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The Georgia Southern University General Catalog is an information book and reference guide dealing with almost all aspects of the University—its policies, facilities, degree programs, course offerings, services, and faculty.

The statements set forth in this catalog are for information purposes only and should not be construed as the basis of a contract between the student and this institution.

While the provisions of this catalog will ordinarily be applied as stated, GEORGIA SOUTHERN UNIVERSITY reserves the right to change any provision listed in this catalog, including but not limited to academic requirements for graduation, without actual notice to the individual students. Every effort will be made to keep students advised of such changes. Information on changes will be available in the Office of the Registrar. It is especially important that each student note that it is his/her responsibility to keep himself/herself apprised of current graduation requirements for his/her particular degree program.

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Georgia Southern does not discriminate on the basis of race, color, national origin, sex, disability, or age.
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* In case of an emergency, please contact the Office of the Vice President for Student Affairs.
UNIVERSITY CALENDAR—1993-94
FALL QUARTER, 1993

August 31 Early Registration Fee Payment Deadline for Fall Quarter 1993
September 1 Deadline for Fall Quarter Undergraduate Application
September 6 Labor Day
September 7 Academic year begins
September 7 Deans, Directors, and Department Heads Meeting, 9:00 a.m.
September 7 Admissions Committee Meeting, 2:00 p.m.
September 9 New Faculty Orientation and Workshop 9:00 a.m.-4:00 p.m.
September 10 Faculty Meetings by Schools:
   School of Arts and Sciences, 9:00 a.m.
   School of Business, 9:00 a.m.
   School of Education, 9:00 a.m.
   School of Health and Professional Studies, 9:00 a.m.
   School of Technology, 9:00 a.m.
September 10 General Faculty Meeting, 2:00 p.m.
September 10 Undergraduate Evening Studies Final Registration, 5:00 - 6:00 p.m.
September 11 Residence Hall check-in between 9:00-12:00; 5:00-7:00.
September 12 Residence Hall check-in between 9:00 a.m. and 5:00 p.m.
September 12 New Student Orientation, Advisement and Registration (for those Freshmen and Transfers who did not attend Summer Orientation and those canceled for non-payment of fees) begins at 1:00 p.m.
September 13-15 Residence Hall check-in between 9:00 a.m. and 5:00 p.m.
September 13 Admissions Committee Meeting, 9:00 a.m.
September 13 Final Registration for former students, Williams Center, 10:30 a.m.-6:00 p.m.
September 14 Savannah State graduate registration, 4:00-7:00 p.m. (pre-registration by mail)
September 14 Armstrong State graduate registration, 2:00-7:00 p.m. (pre-registration by mail)
September 14 Drop/Add 8:00 a.m.-4:00 p.m.
September 14 $50 Late Registration Fee Begins
September 15-17 Schedule Adjustment, Fall Quarter 1993
September 15 Day classes begin
September 15 Final date for filing application in Registrar's Office for completing degree requirements Fall Quarter 1993
September 15 Classes begin for once a week Wednesday evening classes.
September 15 Brunswick final registration, 4:00-6:00 p.m. (pre-registration by mail)
September 15 Deadline for M.Ed. and M.S.T. students to register to take the comprehensive examination during fall quarter.
September 15 Fort Gordon graduate registration, 4:00-6:00 p.m. (pre-registration by mail)
September 16 Classes begin for once a week Thursday evening classes, and twice a week classes meeting on Tuesday and Thursday
September 17 Admissions Committee Meeting, 9:00 a.m.
September 20 Classes begin for once a week Monday evening classes, and twice a week classes meeting on Monday/Wednesday
September 21 Classes begin for once a week Tuesday evening classes
October 9 Parents' Week-end
October 22 Last day to withdraw without academic penalty from regular day classes
October 28 Admissions Committee Meeting, 2:00 p.m.
October 30 Comprehensive Examination for M.Ed. and M.S.T. students (offered on the Statesboro campus)
November 1-5 Early Registration for Graduate Students at Armstrong State College
November 6 Homecoming
November 8 Early Registration for Undergraduate Evening Studies classes, Winter Quarter 1994, 5:00-6:00 p.m.
November  9-12/
          15-18  Early Registration for Winter Quarter 1994, Williams Center
November  15  For Graduate Candidates wishing to participate in the December
               Commencement, one copy of completed thesis due in Graduate Office
November  18  Deadline for Winter Quarter Graduate Application
November  19  Schedule Adjustment, Winter Quarter 1994
November  23  Last day of classes
November  24  Administrative offices will be closed.
November  24  Residence Halls close at 9:00 a.m.
November  24-26 Thanksgiving holidays
November  28  Residence Halls open at 1:00 p.m.
November  29  Study day for students
November  29  Final Exam for Monday evening classes
November  30  Final Exam for Tuesday evening classes and Tuesday/Thursday evening
               classes

November  30-Dec 3 Examinations for regular classes (see schedule in Fall Quarter Schedule of
               classes
December  1  Deadline for M.Ed. and M.S.T. students to register to take the comprehensive
            examination during winter quarter
December  1  Deadline for Winter Quarter Undergraduate Application
December  1  Final Exam for Monday/Wednesday evening classes
December  1  Final Exam for Wednesday evening classes
December  2  Final Exam for Thursday evening classes
December  4  Holidays for students of regular day classes begin
December  4  Residence Halls close at 10:00 a.m., except for graduating seniors
December  5  Graduation 4:00 p.m.
December  8  Early Registration Fee Payment Deadline for Winter Quarter 1994 classes
December 20-24 Administrative offices will be closed.

WINTER QUARTER, 1994

January  2  Residence Halls check in 10:00 a.m.
January  2  New Student Orientation 2:00 p.m.
January  2  Admissions Committee Meeting, 2:00 p.m.
January  3  New and Former student final registration, Williams Center.
            Former Student Registration begins at 10:30 a.m. and ends at 6:00 p.m.
January  3  Classes begin for once a week Monday evening classes, and twice a week
            classes meeting Monday and Wednesday
January  3  Savannah State graduate registration, 4:00-7:00 p.m. (pre-registration by mail)
January  3  Armstrong graduate registration, 2:00-7:00 p.m. (pre-registration by mail)
January  4  Admissions Committee Meeting, 9:00 p.m.
January  4  Drop/Add 8:00 a.m. - 4:00 p.m.
January  4  $50 Late Registration Fee Begins
January  4  Classes begin for once a week Tuesday evening classes, and twice a week
            classes meeting Tuesday and Thursday
January  4  Fort Gordon graduate registration, 4:00-6:00 p.m. (pre-registration by mail)
January  4  Brunswick registration, 4:00-6:00 p.m. (pre-registration by mail)
January  5  Day Classes begin
January  5  Classes begin for once a week Wednesday evening classes
January  5  Final date for filing application in Registrar's Office for completing degree
            requirements Winter Quarter 1994
January  5-7  Schedule Adjustment, Winter Quarter 1994
January  6  Admissions Committee Meeting, 9:00 a.m.
January  6  Classes begin for once a week Thursday evening classes
January 17  Holiday--Martin Luther King's Birthday Observed
January 28 Application for Student Teaching 1995-96
February 11 Last day to withdraw without academic penalty from regular day classes
February 12 Comprehensive Examination for M.Ed. and M.S.T. students (offered on the Savannah campus)
February 14-18 Early Registration for Graduate Students at Armstrong State College
February 17 Admissions Committee Meeting, 2:00 p.m.
February 22 Early Registration for Undergraduate Evening Studies classes Spring Quarter 1994, 5:00 to 8:00 p.m.
February 25 Deadline for Spring Quarter Graduate Application
February 22-25/ Feb 28-Mar 3 Early Registration for Spring Quarter 1994, Williams Center
March 1 Deadline for M.Ed. and M.S.T. students to register to take the comprehensive examination during Spring Quarter
March 4 Schedule Adjustment, Spring 1994
March 14 Last day of classes
March 15 Final Exam for Tuesday evening classes and Tuesday/Thursday evening classes
March 15-18 Examinations for regular day classes (see schedule in Winter Schedule of Classes)
March 16 Brunswick Registration, 4:00-6:00 p.m., (pre-registration by mail)
March 16 Fort Gordon Registration, 4:00-6:00 p.m., (pre-registration by mail)
March 16 Early Registration Fee Payment Deadline for Spring Quarter 1994
March 16 Final Exam for Wednesday evening classes and Monday/Wednesday evening classes
March 17 Final Exam for Thursday evening classes
March 18 Final Exam for once-a-week Monday evening classes, 6:00 p.m.
March 19 Spring recess for students of regular day classes begins
March 19 Residence Halls close at 10:00 a.m.

**SPRING QUARTER 1994**

March 16 Brunswick Registration (pre-registration by mail)
March 16 Fort Gordon Registration (pre-registration by mail)
March 27 Residence Halls open at 10:00 a.m.
March 27 New Student Orientation, 2:00 p.m.
March 27 Admissions Committee Meeting, 2:00 p.m.
March 28 Armstrong State graduate registration, 2:00-7:00 p.m. (pre-registration by mail)
March 28 New and Former student final registration, Williams Center. Former Student Former Student Registration begins at 10:30 a.m. and ends at 6:00 p.m.
March 28 Classes begin for once a week Monday evening classes, and twice a week classes meeting Monday and Wednesday
March 28 Savannah State graduate registration, 4:00-7:00 p.m. (pre-registration by mail)
March 29 Drop/Add 8:00 a.m.-4:00 p.m.
March 29 $50 Late Registration Fee Begins
March 29 Admissions Committee meeting, 9:00 a.m.
March 29 Classes begin for once a week Tuesday evening classes, and twice a week classes Monday and Thursday
March 30 Classes begin for regular day classes.
March 30 Classes begin for once a week Wednesday evening classes
March 30 Final date for filing application in Registrar's Office for degree, June graduation
March 30 Classes begin for once a week Tuesday evening classes
Mar. 30 - Apr 1 Schedule Adjustment, Spring Quarter, 1994
March 31 Admissions Committee meeting, 9:00 a.m.
March 31 Classes begin for once a week Thursday evening classes
May 4 Honors Day. (8:00 and 9:00 classes will be canceled.)
May 5 Last day to withdraw without academic penalty from regular day classes
May 7 Comprehensive Examination for M.Ed. and M.S.T. students (offered on the Statesboro campus)
May 9 Early Registration for Undergraduate Evening Studies classes for Summer Quarter 1994, 5:00-8:00 p.m.
May 9-12 Early Registration for Summer Quarter 1994, Williams Center
May 9-13 Early Registration for Graduate Students at Armstrong State College
May 12 Admissions Committee Meeting, 2:00 p.m.
May 13 Schedule Adjustment, Summer 1994
May 13 For Graduate Candidates, June commencement, one copy of completed thesis due in Graduate Office
May 16 Early Registration for Undergraduate Evening Studies classes for Fall Quarter 1994, 5:00-6:00 p.m.
May 16-20/ Early Registration for Fall Quarter 1994, Williams Center
May 20 Deadline for Summer Quarter Graduate Application
May 20 For Graduate Candidates, June Commencement, final date for holding terminal examinations
May 26 Schedule Adjustment, Fall 1994
June 1 Deadline for M.Ed. and M.S.T. students to register to take the comprehensive examination during summer quarter
June 3 Last day of classes
June 6 Last Day of Graduate Classes, Armstrong State College
June 6-9 Examinations for regular day classes (see schedule in Spring Quarter Schedule of Classes)
June 6 Final Exam for Monday evening classes and Monday/Wednesday evening classes
June 7 Final Exam for Tuesday evening classes and Tuesday/Thursday evening classes
June 8 Final Exam for Wednesday evening classes
June 8 Early Registration Fee Payment Deadline for Summer Quarter 1994
June 9 Final Exam for Thursday evening classes
June 9 Brunswick and Fort Gordon Registration for Summer Quarter 1994, 4:00-6:00 p.m.
June 10 Residence Halls close at 10:00 a.m. except for graduating seniors.
June 11 Graduation

SUMMER QUARTER, 1994

June 9 Brunswick Registration (pre-registration by mail)
June 9 Fort Gordon Registration (pre-registration by mail)
June 18 Admissions Committee Meeting, 10:00 p.m.
June 19 Residence Halls open at 1:00 p.m.
June 20 New Student Orientation (8:30 a.m.-10:00 a.m.), Advisement (10:00 a.m.-11:00 a.m.) and Registration, (11:00 a.m.-1:00 p.m.)
June 20 Former student final registration for 31 and 37 Day Session, Williams Center, 1:00-5:00 p.m. (Advisement 11:00 a.m. - 5:00 p.m.)
June 20 Armstrong State graduate registration, 2:00-7:00 p.m. (pre-registration by mail)
June 20 Savannah State graduate registration, 4:00-7:00 p.m. (pre-registration by mail)
June 21 Admissions Committee Meeting, 10:00 a.m.
June 21 Drop/Add for 31 and 36 Day Session 8:00 a.m.-4:00 p.m.
June 21 $50 Late Registration Fee Begins
June 21 Final date for filing application in Registrar's Office for degree, August graduation
June 21 Classes begin for Tuesday/Thursday 31 day classes
June 21 Classes begin - 31 and 36 Day Session
June 21 Classes begin for Monday/Wednesday 31 day classes
June 22 Admissions Committee Meeting, 9:00 a.m.
July 4 Holiday - Independence Day observed
July 13 Last day to withdraw without academic penalty from regular day courses for 31 Day Session
July 15 For Graduate Candidates, August Commencement, one copy of completed thesis due in the Graduate Office.
July 16 Comprehensive Examination for M.Ed. and M.S.T. students (offered on the Savannah campus)
July 18 Last day to withdraw without academic penalty from regular day courses for 36 Day Session
July 29 For Graduate Candidates, August Commencement, final date for holding terminal examinations.
August 2 Final Exam for Tuesday/Thursday evening classes
August 3 Last day of regular classes for 31 Day Session
August 4 Final Exam for Monday/Wednesday afternoon classes
August 4-6 Examinations for regular day classes 31 Day Session (see schedule in Summer Quarter Schedule of Classes.)
August 5 Final Exam for Monday/Wednesday evening classes
August 10 Last day of regular classes for 36 Day Session
August 11-13 Examinations for regular day classes 36 Day Session (see schedule in Summer Quarter Schedule of Classes.)
August 14 Graduation, 4:00 p.m.
August 14 Residence Halls close at 10:00 a.m. except for graduating seniors
August 16 Deadline for Fall Graduate Application.
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# NATIONAL TESTING SCHEDULE - 1993-94

(Dates are subject to change)

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GENERAL INFORMATION

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THE UNIVERSITY SYSTEM OF GEORGIA

The University System of Georgia includes all state-operated institutions of higher education in Georgia - 5 universities, 14 senior colleges, 15 two-year colleges. These 34 public institutions are located throughout the state.

A 15-member constitutional Board of Regents governs the University System, which has been in operation since 1932. Appointments of Board members, five from the state-at-large and one from each of the state's 10 Congressional Districts are made by the Governor, subject to confirmation by the State Senate. The regular term of Board members is seven years.

The Chairperson, the Vice Chairperson, and other officers of the Board are elected by the members of the Board. The Chancellor, who is not a member of the Board, is the chief executive officer of the Board and the chief administrative officer of the University System.

The overall programs and services of the University System are offered through three major components: Instruction; Public Service/Continuing Education; Research.

INSTRUCTION consists of programs of study leading toward degrees, ranging from the associate (two-year) level to the doctoral level, and certificates. Instruction is conducted by all institutions. Requirements for admission of students to instructional programs at each institution are determined, pursuant to policies of the Board of Regents, by the institution. The Board establishes minimum academic standards and leaves to each institution the prerogative to establish higher standards. Applications for admission should be addressed in all cases to the institutions.

A core curriculum, consisting of freshman and sophomore years of study for students whose educational goal is a degree beyond the associate level, is in effect at the universities, senior colleges, and two-year colleges. This curriculum requires 90 quarter-credit-hours, including 60 in general education - humanities, mathematics and natural sciences, and social sciences - and 30 in the student's chosen major area of study. It facilitates the transfer of freshman and sophomore degree credits within the University System.

PUBLIC SERVICE/CONTINUING EDUCATION consists primarily of non-degree activities, and special types of college-degree-credit courses. The non-degree activities are of several types including short courses, seminars, conferences, lectures, and consultative and advisory services in a large number of areas of interest. Non-degree public services/continuing education is conducted by all institutions. Typical college-degree-credit public service/continuing education courses are those offered through extension center programs and teacher education consortia.

RESEARCH encompasses investigations conducted primarily for discovery and application of knowledge. These investigations include clearly defined projects in some cases, non-programmatic activities in other cases. They are conducted on campuses and at many off-campus locations. The research investigations cover a large number and a large variety of matters related to the educational objectives of the institutions and to general societal needs. Most of the research is conducted through the universities; however, some of it is conducted through several of the senior colleges.

The policies of the Board of Regents for the government, management, and control of the University System and the administrative actions of the Chancellor provide autonomy of high degree for each institution. The executive head of each institution is the President, whose election is recommended by the Chancellor and approved by the Board.

The University System Advisory Council, with 34 committees, engenders continual system-wide dialogue on major academic and administrative matters of all types. It also makes recommendations to the Chancellor, for transmittal to the Board of Regents as appropriate, regarding academic and administrative aspects of operation of the System.

The Advisory Council consists of the Chancellor, the Vice Chancellor, and all presidents as voting members; and it includes other officials and staff members of the institutions as nonvoting members. The Advisory Council's 21 academic committees and 13 administrative committees
are made up of representatives from the institutions.

The committees dealing with matters of University System-wide application include, typically, at least one member from each institution. State appropriations for the University System are requested by, and are made to, the Board of Regents.

INSTITUTIONS OF THE UNIVERSITY SYSTEM
*Universities - Graduate
~Senior Colleges - Limited Graduate Studies
#Two-year Colleges:

# 1. ABRAHAM BALDWIN AGRL. COLLEGE
   Tifton 31794
~ 2. ALBANY STATE COLLEGE
   Albany 31705
~ 3. ARMSTRONG STATE COLLEGE
   Savannah 31419
# 4. ATLANTA METROPOLITAN COLLEGE
   Atlanta 30310
~ 5. AUGUSTA COLLEGE
   Augusta 30910
# 6. BAINBRIDGE COLLEGE
   Bainbridge 31717
# 7. BRUNSWICK COLLEGE
   Brunswick 31523
~ 8. CLAYTON STATE COLLEGE
   Morrow 30260
~ 9. COLUMBUS COLLEGE
   Columbus 31901
# 10. DALTON COLLEGE
   Dalton 30720
# 11. DARTON COLLEGE
   Albany 31707
# 12. DEKALB COLLEGE
   Decatur 30034
# 13. EAST GEORGIA COLLEGE
   Swainsboro 30401
# 14. FLOYD COLLEGE
   Rome 30161
~ 15. FORT VALLEY STATE COLLEGE
   Fort Valley 31030
# 16. GAINESVILLE COLLEGE
   Gainesville 30503
~ 17. GEORGIA COLLEGE
   Milledgeville 31061
* 18. GEORGIA INSTITUTE OF TECHNOLOGY
   Atlanta 30332
* 19. GEORGIA SOUTHERN UNIVERSITY
   Statesboro 30460
~ 20. GEORGIA SOUTHWESTERN COLLEGE
   Americus 31709
* 21. GEORGIA STATE UNIVERSITY
   Atlanta 30303
# 22. GORDON COLLEGE
   Barnesville 30204
~ 23. KENNESAW STATE COLLEGE
   Marietta 30061
# 24. MACON COLLEGE
   Macon 31297
* 25. MEDICAL COLLEGE OF GEORGIA
   Augusta 30912
# 26. MIDDLE GEORGIA COLLEGE
   Cochran 31014
~ 27. NORTH GEORGIA COLLEGE
   Dahlonega 30597
~ 28. SAVANNAH STATE COLLEGE
   Savannah 31404
# 29. SOUTH GEORGIA COLLEGE
   Douglas 31333
~ 30. SOUTHERN COLLEGE OF TECHNOLOGY
   Marietta 30060
* 31. THE UNIVERSITY OF GEORGIA
   Athens 30602
~ 32. VALDOSTA STATE COLLEGE
   Valdosta 31698
# 33. WAYCROSS COLLEGE
   Waycross 31501
~ 34. WEST GEORGIA COLLEGE
   Carrollton 30118
MISSION OF GEORGIA SOUTHERN UNIVERSITY

Georgia Southern University, a unit of the University System of Georgia, was founded as the First District Agricultural and Mechanical School in 1906 and became a university in 1990. Throughout its history the University has advanced dynamically from a post-secondary program to a teachers' college, to a senior college, and to its greater mission as a university serving its region, state, and nation. The University offers both a comprehensive undergraduate curriculum and selected graduate programs in liberal arts, sciences, and several professional fields. Georgia Southern provides its students with a scholarly experience that exemplifies its motto, "Academic Excellence". Numerous professional, regional, and national accreditations underscore the University's commitment to excellence.

Georgia Southern, located in Statesboro, extends its service to the region through off-campus sites and offers selected degrees in cooperation with affiliated institutions, Armstrong State College and Savannah State College, and through the Brunswick Consortium. As a residential campus, the University offers a variety of educational, cultural, social, and athletic experiences in a warm and caring environment. As a state-supported university, it assumes responsibility for leadership in the advancement of the region, using its resources to serve regional interests and to enhance the quality of life.

Georgia Southern attracts a student body characterized by intellectual curiosity, creativity, motivation, and ability, and offers challenging programs for scholars of exceptional ability. Although the majority of students are Georgia residents, the University has cultivated an increasingly diverse student body of both national and international breadth.

Georgia Southern University offers high-quality undergraduate and graduate degree programs in a nurturing environment in which personal growth, lifelong learning, and intellectual and moral development flourish. The University is committed to developing each student's ability to make informed decisions and to recognize the ethical dimensions of a decision. All undergraduates share a common educational experience designed to expand their awareness of human potential. They have the opportunity and obligation to explore moral, ethical, and aesthetic issues; creative self-expression; the history of thought and cultures; the implications of personal responsibility: in a democratic, pluralistic society in a world of cultural diversity; the physical world and ecology; and the technological and economic environment in a complex world. At a fundamental level, the curriculum stresses reasoning and communication skills. The University experience prepares students to value and do constructive work, to benefit from leisure, and to engage in public service while in the academic setting and outside it. The ultimate purpose of Georgia Southern is to educate students to be responsible, productive, and contributing members of a democratic society within the world community; respecting the rights and the viewpoints of others.

Georgia Southern University encourages an environment where academic freedom and responsibility exist in a community of learning and shared governance. The University strives for a balance of faculty activities in teaching, scholarship, research and creative endeavors, and public service consistent with its assigned role. Faculty devote themselves particularly to teaching and to interacting with students. Georgia Southern upholds a reputation for teaching built on faculty commitment to and concern for the individual student's success and well being. Faculty of cultural and ethnic diversity become positive role models for students. Scholarship and research; which encompass a wide variety of inquiry, discovery, and creativity, are valued for their own sakes, and also for their contribution to superior teaching and public service. Productivity is typically measured by grants awarded, articles in scholarly journals and other publications, presentation of papers, participation in workshops and conferences, and awards and recognition. Equally valued are accomplishments in the fine arts: literary writing, performance, and the visual arts. The University especially encourages and supports work which is relevant to regional concerns and prizes scholarship recognized internationally for excellence.

The University assumes a responsibility for public service to the region, an ideal the institution values. Public service and cultural outreach are oriented primarily to the needs of South Georgia, especially to advancing and assisting the region's economic development. Continuing
education: provides opportunities for lifelong learning, professional development, and personal growth for children and adults. Academic departments and schools undertake educational, cultural, social, and technical outreach programs in their areas of specialization and through cooperative partnerships with the public and private sector.

Georgia Southern University, dedicated to fostering an appreciation of cultural and ethnic differences, engages in affirmative recruitment and retention of women and minorities among faculty, staff, and students, and offers support to these members of the University community.

HISTORY OF GEORGIA SOUTHERN UNIVERSITY
On December 1, 1906, the newly appointed First District Board of Trustees convened in Savannah, Georgia. It was one of 11 such boards created for each congressional district by state legislation that year to build and oversee agricultural and mechanical schools for elementary and secondary students. The trustees were prepared to hear bids from local leaders who wanted the First District A&M School to be built in their communities and were willing to provide the funding to do so. Among the bidders were 50 representatives from Bulloch County, who had journeyed from Statesboro on a train called the "College Special." Their bid of $125,000 in cash and in-kind contributions— including donation of 300 acres for a campus— won handily. Early in 1908 just outside Statesboro, the First District A&M School opened its doors with fifteen students, four faculty members, and three buildings.

By 1920 the First District A&M School had 150 students and was fielding teams in football and baseball; the "Aggies" typically won more than half their games in any given season. But by 1921 a combination of rapidly growing debt and drastically declining enrollments almost spelled the end of the fledgling school.

Hard work and commitment prevailed, however, and by 1924 not only were the school's finances and enrollments back on track, but the Georgia Assembly upgraded the school to a two-year college for teacher training and retitled it the Georgia Normal School, one of three in the state. With this first change in the school's status, "Principal" Ernest V. Hollis became "President" Hollis, Georgia Southern's first president. The following year private donors funded the first scholarships for the campus.

In 1929 the General Assembly was persuaded that yet another major institutional promotion was due, and the Georgia Normal School became the South Georgia Teachers College via state legislation, converting the Statesboro campus from a two-year junior college to a four-year teachers college. The Aggies had receded, and the "Blue Tide" had rolled in, bringing programs not only in football and baseball, but also in basketball and track; basketball was played in a tobacco warehouse until the first gymnasium was built in 1931.

Also in that year the long-supportive First District Board of Trustees, like all freestanding boards of college trustees in the state, was dissolved by state legislation. Higher education in Georgia was reorganized into its present form, with all state colleges and universities reporting to a single Board of Regents. Now the Regents, not the General Assembly, was responsible for determining any changes in mission for the college in Statesboro. In 1939 South Georgia Teachers College became Georgia Teachers College by action of the Board of Regents. This new title represented less a change of status for the college and more a recognition by the Regents that the Statesboro campus was the statewide college for teacher education.

When Eugene Talmadge was elected governor in 1940, he remembered, according to some observers, that the electoral district dominated by Georgia Teachers College had voted for his opponent. Within a year the governor had initiated an effort to remove President Marvin Pittman on charges that included advocating "racial equality and teaching communism" (the latter conclusively disproved). President Pittman was fired, and as a direct result of his dismissal, all state-supported institutions of higher education in Georgia lost their regional academic accreditation by what is now the Southern Association of Colleges and Schools. In 1942 a new governor was elected, and the Board of Regents was reorganized; a year later Georgia Teachers College and the University System of Georgia were reaccredited, and Dr. Pittman was reinstated by the Board as president of Georgia Teachers College.
This incident, which received international media coverage at the time, was a formative and symbolic experience in the history of Georgia Southern University and a measure of its resilience in the defense of academic and institutional integrity—qualities that remain today.

In 1957 the college in Statesboro was authorized by the Board of Regents to offer its first graduate degree, a Master of Education. In some ways, that benchmark was the beginning of the ultimate evolution from a college to a university.

Only two years later Georgia Teachers College was upgraded by the Board of Regents to Georgia Southern College, a recognition by Georgia’s policymakers that the College was now a comprehensive institution with responsibilities well beyond the specialized mission of educating teachers. In 1960 the “Blue Tide” was formally put to rest as the name of the Georgia Southern’s intercollegiate teams, and by student vote “The Eagles” were hatched.

The first fraternities and sororities were chartered on the campus in 1967 and 1968. The first three Schools—Arts and Sciences, Education, and Graduate Studies—were established in 1968, followed by the School of Business in 1971, and the School of Technology and the School of Health and Professional Studies in 1980. In 1981 football was reintroduced to Georgia Southern after a hiatus of almost forty years, inaugurating a new winning tradition of Division I intercollegiate sports.

Beginning in the early 1970s, a resurgent effort to acquire university status for the Statesboro campus emerged, culminating in 1989 with the Board of Regents’ vote to promote Georgia Southern College to Georgia Southern University. When university status became effective on July 1, 1990, Georgia Southern received its sixth and final name, and was ceded primary responsibility for the conduct of graduate education in the region. Georgia Southern became the first new university of Georgia in twenty-one years and the third largest university in Georgia. In 1992, the Regents authorized Georgia Southern to initiate its first doctoral program, the Doctorate of Education.

The Georgia Southern story is a story of determination to be the best one can be.

ACCREDITATIONS

Georgia Southern University is accredited by the Commission on Colleges of the Southern Association of Colleges and Schools to award Associate’s, Bachelor’s, Master’s, and Specialist’s degrees.

DEPARTMENT/PROGRAMS

Counseling Center ................................ International Association of Counseling Services

Arts and Sciences
Chemistry ........................................... American Chemical Society
Music ............................................... National Association of Schools of Music
Public Administration .............................. National Association of Schools of Public Affairs and Administration

Business
Undergraduate and Graduate ..................... American Assembly of Collegiate Schools of Business

Education
Undergraduate and Graduate ..................... National Council for Accreditation of Teacher Education

Georgia State Department of Education
Health and Professional Studies
Nursing .................................................. National League for Nursing
Georgia Board of Nursing
Foods and Nutrition .................................. American Dietetic Association
Recreation and Leisure Services ................. Leisure Careers Foundation of the Georgia Recreation
and Park Society
Recreation - Undergraduate Programs .......... National Recreation and Park Association/
American Association for Leisure & Recreation

Technology
Civil Engineering Technology ..................... Technology Accreditation
Commission of the Accreditation Board for Engineering and Technology
Electrical Engineering Technology ............... Technology Accreditation
Commission of the Accreditation Board for Engineering and Technology
Industrial Engineering Technology ............... Technology Accreditation
Commission of the Accreditation Board for Engineering and Technology
Mechanical Engineering Technology ............. Technology Accreditation
Commission of the Accreditation Board for Engineering and Technology
Industrial Technology (BCC, MFG/IM, PM) .... National Association of Industrial Technology

ACADEMIC STRUCTURE
The academic credit programs of the university are administered by six colleges. They are the College of Arts and Sciences, the College of Business, the College of Education, the College of Health and Professional Studies, the Allen E. Paulson College of Technology, and the Graduate College. Each of these is subdivided into departments. A dean directs each college and a chair each department.

The following organizational structure provides for the degrees, fields of study, and courses set out in this catalog:

I. COLLEGE OF ARTS AND SCIENCES
   Dr. Warren F. Jones, Jr., Dean
   A. DEPARTMENT OF ART.
      Mr. Richard Tichich, Chair
   B. DEPARTMENT OF BIOLOGY.
      Dr. John Parrish, Chair
   C. DEPARTMENT OF CHEMISTRY.
      Dr. Bill Ponder, Chair
   D. DEPARTMENT OF COMMUNICATION ARTS.
      Dr. David W. Addington, Chair
   E. DEPARTMENT OF DEVELOPMENTAL STUDIES.
      Dr. Curtis E. Ricker, Chair

   F. DEPARTMENT OF ENGLISH AND PHILOSOPHY.
      Dr. James R. Nichols, Chair
   G. DEPARTMENT OF FOREIGN LANGUAGES.
      Dr. David W. Seaman, Chair
   H. DEPARTMENT OF GEOLOGY AND GEOGRAPHY.
      Dr. Fredrick Rich, Chair
   I. DEPARTMENT OF HISTORY.
      Dr. Walter J. Fraser, Jr., Chair
   J. DEPARTMENT OF MATHEMATICS AND COMPUTER SCIENCE.
      Dr. Arthur Sparks, Chair
   K. DEPARTMENT OF MUSIC.
      Dr. Raymond C. Marchionni, Chair
   L. DEPARTMENT OF PHYSICS.
      Dr. Arthur Woodrum, Chair
   M. DEPARTMENT OF POLITICAL SCIENCE, Dr. G. Lane Van Tassell, Chair
   N. DEPARTMENT OF PSYCHOLOGY.
      Dr. Margaret A. Lloyd, Chair
   O. DEPARTMENT OF SOCIOLOGY AND ANTHROPOLOGY.
      Dr. Roger Branch, Chair
II. COLLEGE OF BUSINESS ADMINISTRATION
Dr. Carl Gooding, Dean
A. DEPARTMENT OF ACCOUNTING.
  Dr. Karen Fortin, Chair
B. DEPARTMENT OF FINANCE AND ECONOMICS.
  Dr. William M. Whitaker, Chair
C. DEPARTMENT OF MANAGEMENT.
  Dr. William McCartney, Chair
D. DEPARTMENT OF MARKETING.
  Dr. Donald L. Thompson, Chair

III. COLLEGE OF EDUCATION -
Dr. John W. Miller, Dean
A. DEPARTMENT OF EARLY CHILDHOOD AND READING.
  Dr. Beverly D. Stratton, Chair
B. DEPARTMENT OF EDUCATIONAL FOUNDATIONS AND CURRICULUM.
  Dr. Jane A. Page, Chair
C. DEPARTMENT OF EDUCATIONAL LEADERSHIP, TECHNOLOGY, AND RESEARCH.
  Dr. Ronald Davison, Chair
D. DEPARTMENT OF MIDDLE GRADES AND SECONDARY EDUCATION.
  Dr. Ronnie Sheppard, Chair
E. DEPARTMENT OF STUDENT DEVELOPMENT PROGRAMS.
  Dr. James J. Bergin, Chair
F. MARVIN PITTMAN LABORATORY SCHOOL.
  Mr. Johnny Tremble, Principal

IV. COLLEGE OF HEALTH AND PROFESSIONAL STUDIES
Dr. Frederick K. Whitt, Dean

A. DEPARTMENT OF FAMILY AND CONSUMER SCIENCES.
  Dr. John J. Beasley, Chair
B. DEPARTMENT OF HEALTH SCIENCE.
  Dr. David Foulk, Chair
C. DEPARTMENT OF NURSING.
  Dr. Martha Coleman, Acting Chair
D. DEPARTMENT OF RECREATION AND LEISURE SERVICES.
  Dr. Henry Eisenhart, Chair
E. DEPARTMENT OF SPORT SCIENCE AND PHYSICAL EDUCATION.
  Dr. Patrick Cobb, Chair
F. CENTER FOR RURAL HEALTH AND RESEARCH.
  Dr. Charlene Hanson, Director

V. Allen E. Paulson College of Technology -
Dr. James E. Mannring, Dean
A. DEPARTMENT OF ENGINEERING TECHNOLOGY.
  Mr. Roland Hanson, Chair
B. DEPARTMENT OF INDUSTRIAL TECHNOLOGY.
  Dr. Keith Hickman, Chair
C. DEPARTMENT OF MILITARY SCIENCE.
  Lt. Col. George Keckelsen, Chair
D. ENGINEERING STUDIES
  Dr. Gerald Jones, Director

VI. COLLEGE OF GRADUATE STUDIES
Dr. Wilson G. Bradshaw, Vice President and Dean
Bachelor of Fine Arts with a major in Art

Bachelor of Music with majors in: Performance Music Education Composition

Optional area of Study for Performance majors:
Elective Studies in Business
**Jazz Performance (Instrumental and Keyboard only)

Bachelor of Science with majors in:

Bachelor of Science in Biology
Optional Emphasis in Biological Oceanography

Bachelor of Science in Chemistry Emphasis in: Biochemistry

Bachelor of Science in Justice Studies

Associate of Applied Science in Justice Studies
**Emphasis is available but is not required.

Bachelor of Science in Mathematics Optional Emphasis in Computer Science Pre-Professional Programs Pre-Agriculture Pre-Dentistry Pre-Forestry (two years) Pre-Law Pre-Medicine Pre-Nursing Pre-Optometry Pre-Pharmacy (two years) Pre-Veterinary

COLLEGE OF BUSINESS ADMINISTRATION Bachelor of Business Administration with majors in:

Marketing Marketing: Emphases in **Advertising **Fashion Merchandising **Retailing Management **Sales and Sales Management **Transportation and Logistics

COLLEGE OF EDUCATION Associate of Applied Science in Education Bachelor of Science in Education Art Early Childhood Education Health and Physical Education Middle Grades Education Teaching Fields Business Education English French German Home Economics Technology Education Mathematics Science Social Science Spanish Speech Special Education for Exceptional Children Trade and Industrial Education

COLLEGE OF HEALTH AND PROFESSIONAL STUDIES Bachelor of Science in Health Science with majors in:
Health and Fitness Promotion Community Health Education Sport Management Emphases in: **Sport Administration
**Sport Promotion**  
**Sport Communication**

Pre-Professional Programs  
Pre-Physical Therapy  
Pre-Occupational Therapy

Bachelor of Science in Family and Consumer Sciences with majors in:  
Apparel Design  
Consumer Studies  
Family and Child Studies  
*Child Development  
*Family Development  
*Family Services  
Fashion Merchandising  
Foods and Nutrition  
*Dietetics  
*Hospitality Administration  
Interior Design and Housing  
Restaurant, Hotel and Institutional Administration

* Emphasis required.  
** Emphasis is available but is not required.

**MINORS**

Students in all baccalaureate programs who wish to do so may add a minor to their programs from the following list of minor programs. The Bachelor of Arts degree program requires a minor.

The courses to make up the minor should be planned with the major advisor, unless otherwise noted, and must be approved by the time the student applies for graduation.

Within the twenty hours of course work presented for the required minor in the B.A. programs or the optional minor in any bachelor's degree program, the student must have a minimum adjusted grade point average of "C," with no more than five hours of "D" work. A minimum of fifteen of the twenty hours must be earned at Georgia Southern.

Internship hours may not be applied to the minor.

A maximum of five hours may be taken under the S/U grading system within any Arts and Sciences minor.

**Anthropology**

Prerequisites: Anthropology 150, Introduction to Anthropology, or equivalent. 20 hours in anthropology from upper-division offerings.

**Art**

Prerequisites: 151 (Drawing), or 152 (Design), or 252 (Three-Dimensional Design), or permission of the department head. Minor program: 20 hours in art from upper division offerings upon
approval of advisor.

**Biology**
Prerequisites: Biology 151 and 152. Minor program: 20 hours from upper-division course offerings. A maximum of ten hours from the following may be substituted for upper-division courses: Biology 281, 282.

**Business**
The business minor is acceptable only as a second minor in the B.A. programs or as an optional minor in the other baccalaureate programs. Prerequisites for the minor in business: ACC 260 and ECO 260. Only courses completed after the accounting and economics courses may be used to satisfy the minor. Individual course prerequisites will be strictly enforced. Twenty upper-division hours must be chosen from the following courses: MGT 351, MKT 350, LST 352, FIN 351, MGT 354 and BA 351. Students interested in the Business Minor should consult a School of Business advisor prior to beginning any course work.

**Chemistry**
Prerequisite: Chemistry 261. Minor Program: Twenty hours in chemistry from upper-division offerings exclusive of Chemistry 380.

**Communication Arts**
Prerequisites: Two of the following: CA 252 (Introduction to Human Communication) or CA 250 (Introduction to Mass Communication) or CAT 257 (Introduction to Theatre). Minor program: 20 hours in communication arts from upper-division offerings.

**Computer Science**
MAT 166 and 167. Analytic Geometry and Calculus I and II  
CSC 281. Principles of Computer Programming  
CSC 283. Principles of Computer Programming II  
Twenty hours in computer science at the 300- and 400-level.

**Economics**
Prerequisites: Economics 250 and 251, or equivalent. Minor program: 20 hours in economics from upper-division offerings.

**English**
Minor Program: 20 hours in English from upper-division offerings planned with major advisor.

**Family and Child Studies**
The family and child studies minor is acceptable only as a second minor in the B.A. programs or as an optional minor in other baccalaureate programs. Prerequisite: FCS 271. Minor program: 20 hours in family and child studies (Family & Consumer Sciences) from upper-division offerings.

**Fashion Merchandising**
The fashion merchandising minor is acceptable only as a second minor in the B.A. programs or as an optional minor in other baccalaureate programs. Prerequisite: AD 168. Minor program: Twenty hours selected from upper-division courses in fashion merchandising.

**Finance**
The finance minor is acceptable only as a second minor in the B.A. programs or as an optional minor in other baccalaureate programs. A minor in Finance is designed to provide the student with a better understanding of funds acquisition and management for both profit and non-profit organizations. Prerequisites: ACC 251, ACC 252, ECO 260 and FIN 351. Minor program: twenty upper division hours including FIN 352 or FIN 353 plus three electives selected with the assistance of the Finance minor advisor.

**French**
Prerequisites: French 252 or equivalent. Minor program: 20 hours in French from upper-division offerings. A minimum of ten hours at the 300 level is prerequisite for any 400-level course.

**Geography**
Prerequisite: Geography 250, World Regional Geography, or equivalent. 20 hours from upper-division courses in geography.

**Geology**
Minor Program: 20 hours in geology from upper-division offerings.

**German**
Prerequisite: German 252 or equivalent. Minor program: 20 hours in German.
Health and Aging Studies
The health and aging studies minor is acceptable only as a second minor in the B.A. programs or as an optional minor in other baccalaureate programs. Minor Program: Four courses chosen from NFS 354, NUR 445, NUR 446, REC 457, NUR 470, FCS 479, HTH 550, and HEC 576.

History
Minor Program: 20 hours of upper-division history courses.

Information Systems
The information systems minor is acceptable only as a second minor in the B.A. programs or as an optional minor in other baccalaureate programs. A minor in Information Systems is designed to provide the student with the knowledge required to utilize computer based information systems more effectively in business. Prerequisites: CIS 251 and ACC 280. Twenty upper-division hours including CIS 381, CIS 384, CIS 488, and an Information Systems elective approved by an Information Systems Advisor from the School of Business.

Interior Design
The interior design minor is acceptable only as a second minor in the B.A. programs or as an optional minor in other baccalaureate programs. Prerequisite: IDH 281. Recommended but not required: TD 152. Minor program: 20 hours (including IDH 381) in upper-division interior design offerings.

Journalism
Prerequisite: CA 250, Introduction to Mass Communication, and CAJ 252, Introduction to Journalistic Writing. The following courses are required of all journalism minors: CAJ 343 (News Reporting and Writing), CAJ 344 (Copy Editing), and either CAJ 346 (History of Journalism) or CAJ 347 (Contemporary American Newspapers). The remaining eight hours may be selected from any of the upper-division offerings in journalism.

Justice Studies
Prerequisite: Justice Studies 251. Minor program: 20 hours in justice studies from upper-division offerings planned with major advisor.

Library Science
Minor Program: 20 hours of approved library media courses.

Mathematics
Minor Program: 20 hours in mathematics from upper-division offerings approved by an advisor from the Department of Mathematics and Computer Science.

Music
Prerequisite: MUS 152 (Introduction to Music). MUS 361 (Music Theory for the Non-Major), plus 15 hours of other upper-division offerings upon approval of Music advisor.

Nutrition
The nutrition minor is acceptable only as a second minor in the B.A. programs or as an optional minor in other baccalaureate programs. Prerequisites: NFS 151 and either NFS 251 or a five-hour introductory course in nutrition. Minor Program: Twenty hours selected from NFS 354, NFS 451, NFS 452, NFS 453, AND NFS 455.

Philosophy
Minor Program: 20 hours in philosophy courses.

Physics
Minor Program: 20 hours in physics from upper-division offerings.

Political Science
Prerequisites: Political Science 250. American Government, or its equivalent and Political Science 260, Introduction to Political Science. Minor program: 20 hours in political science from upper-division offerings planned with major advisor.

Printing Management
Prerequisite: PM 250 - Graphic Arts Technology I. Minor program requirements: PM 336 - Desktop Publishing, PM 355 - Image Preparation, PM 399 - Selected Topics in Printing, PM 453 - Color Reproduction or PM 456 - Imaging Science, PM 332 - Printing Inks and Substrates, and PM 434 - Quality Control.

Psychology
Prerequisite: Psychology 150. Introduction to Psychology, or its equivalent. Minor program:
one of the following courses in developmental/personality/social psychology: PSY 371, 374, 375, 376; one of the following courses in experimental psychology: PSY 452, 453, 455, 457; and any two additional upper-level psychology courses.

**Sociology**
Prerequisite: Sociology 150. Introduction to Sociology or equivalent. Twenty hours in sociology from upper-division offerings.

**Spanish**
Prerequisite: Spanish 252 or equivalent. Minor program: 20 hours upper-division courses.

**INTERDISCIPLINARY MINORS**
Minors are available in five interdisciplinary areas, each of which is coordinated by a committee of faculty from the disciplines involved. A student who minors in one of these typically will major in one of the disciplines whose courses are listed in the minor. Otherwise, he/she must secure the approval of the committee. Approval also is required for the group of courses selected to comprise the minor.

Chairpersons of the committees are:
- African and African American Studies, Dr. Alfred Young
- American Studies - Dr. Meg Young Geddy, English and Philosophy
- Comparative Literature - Dr. David W. Robinson, English and Philosophy
- International Studies - Dr. Zia H. Hashmi, Center for International Studies
- Latin American Studies - Dr. Ray Schubutt, History
- Linguistics - Dr. Fred Richter, English and Philosophy
- Religious Studies - Dr. George Shriver, History
- Women's and Gender Studies - Dr. C. Schilie, English and Philosophy

**African and African American Studies**
African and African American Studies 350 and at least one course from each area listed below:

- Art/Music and Theatre
  - ART/AAS 484. African American Art History
  - CAT/AAS 356. African American Theatre
  - MUS/AS/AAS 360. History of Jazz
- Humanities
  - CAS/AAS 399. Rhetoric of Social Movements
  - ENGLISH/AAS 363. African American Literature
  - ENGLISH/AAS 399. African American Women’s Literature
  - ENGLISH/AAS 568. Images in African American Literature
  - HIS/AS/AAS 352. African American History to 1877
  - HIS/AS/AAS 353. African American History Since 1877
  - HIS/AS/AAS 373. Mexico and the Caribbean
  - HIS/AS/AAS 385. History of Sub-Saharan Africa I
  - HIS/AS/AAS 386. History of Sub-Saharan Africa II
  - HIS/AS/AAS 477. History of African Nationalism
  - FRE/AAS 355. Non-European Francophone Literature
  - SPA/AAS 458. Afro-Hispanic Literature

**Social Sciences**
- ANT/SOC/AAS 457. The Rural South
- ANT/AAS 465. Peoples and Cultures of Africa
- PSC/AAS 356. African American Politics
- PSC/AAS 379. African Politics
- SOC/AS/AAS 359. Race and Ethnic Relations
- SOC/AAS 460. Social Stratification

**Health Science Education**
- HTH/AAS 452. Community Health Issues in Africa

**American Studies**
American Studies 355, American Studies 450, and two courses with significant American Studies dimensions in two disciplines other than the major. The two elective courses must be approved by the American Studies Committee.

**Comparative Literature**
Comparative Literature 385, Comparative Literature 485, an upper-division literature course in a foreign language, and one course selected from the list below or approved by the committee (foreign language majors may opt to take an additional course from the following list in place of the foreign language course and majors in other fields may opt to take two foreign language courses):

- CLT/ENG 461. Drama to Ibsen
- CLT/ENG 476. Literary Criticism
- CLT/ENG 480. Commonwealth Literature
- CLT/ENG 557. Modern Drama
- CLT/ENG 559. The Bible as Literature
- CLT/ENG 570. Contemporary World Fiction

**International Studies**
International Studies 350 and International Studies 360 and two other courses with
significant international dimension, in two
disciplines other than the major. The two
elective courses must be approved by the
International Studies Committee.

Latin American Studies
Latin American Studies 450 and three courses
in two disciplines other than the major, selected
from the following and approved by the
committee:
GGY/LAS 460. Geography of Latin America
HIS/LAS 371. Latin America - The Colonial
Period
HIS/LAS 373. Mexico and the Caribbean
HIS/LAS 374. A.B.C. Powers
PSC/LAS 378. Latin American Politics
SPA/LAS 355. Latin American Civilization
SPA/LAS 455. Latin American Literature

Linguistics
Twenty hours selected from the following and
approved by the committee:
ENG 452. History of the English Language
ENG 453. Advanced Composition
CAS 443. Semantics
CAS 551. Descriptive Linguistics
FL/ANT 350. Introduction to Language
FL 351. Latin and Green Vocabulary in
English

Religious Studies
Religious Studies 450 and three courses in two
disciplines other than the major, selected from
the following and approved by the committee:
ENG/RS 559. The Bible as Literature
HIS/RS 451. The Age of the Reformation
HIS/RS 381. Introduction to the History of
Religion in the U.S.
HIS/RS 467. Major Themes in Western
Religious History
HIS/RS 384. Heresy and Dissent in Western
Religious History
PHI/RS 352. Great Moral Philosophers
PHI/RS 370. World Religions
PHI/RS 553. Philosophy of Religion
SOC/RS 455. Sociology of Religion
PSY/RS 357. Psychology of Religion

Women’s and Gender Studies
Women’s and Gender Studies 350 and three
courses selected from the following and
approved by the Women’s and Gender Studies
Committee:
CA/WGS 441. Women and Media

CAS/WGS 349. Communication and Gender
ENG/WGS 564. Literature by Women
HIS/WGS 351. Women in American History
HIS/WGS 387. Women in Modern European
History
PSC/WGS 372. Women and Politics
PSY/WGS 385. Psychology of Women
SOC/WS 355. Sociology of Sex Roles
WGS 491. Special Problems in Women’s and
Gender Studies

ACADEMIC SERVICES
In addition to the Colleges, there are several
other departments or agencies within Georgia
Southern University which contribute to the
academic functions of the University.

DIVISION OF CONTINUING
EDUCATION AND PUBLIC
SERVICES
Created in 1968, the Division of Continuing
Education and Public Services provides the
avenue for the University to meet its service
mission. In 1971, the Board of Regents of the
University System of Georgia adopted the
following statement:
Continuing Education and Public Service have
emerged as an extension of the traditional on
campus process, available to adults wherever
sufficient interest has been found. Individuals
in all walks of life must keep themselves
 abreast of new knowledge and understand
how it can be applied effectively in solving the
many problems which they and their
communities are encountering. Any system
designed to achieve these objectives will be
built around an aggressive Continuing
Education Program.

The Regent’s Policy Manual states:
The Board of Regents is committed to an
expanded program of public service and
continuing education within all units of the
system and to provide resources necessary to
accomplish the purpose explicitly in carrying
out this responsibility.

The University’s mission statement states, in
part:
The University assumes a responsibility for
public service to the region, an ideal the
institution values. Public service and cultural
outreach are oriented primarily to the needs
of south Georgia, especially to the advancing
and assisting the region’s economic development. Continuing Education provides opportunities for lifelong learning, professional development and personal growth for children and adults.

Thus, Georgia Southern University is committed to education through the lifespan in an effort to enhance economic development and strengthen this region. The Division of Continuing Education and Public Services’ programs of continuing education, outreach, and service address these goals.

To enhance marketing efforts, the Division’s Conference Center was named the Southern Center for Continuing Education. To avoid confusion in the market place, the name Southern Center for Continuing Education is used to refer to all the programming efforts of the Division. The Southern Center’s mission is: ...to meet the lifelong learning needs of the region. The Center provides a variety of programs designed to improve skills and other professions, to enhance societal and cultural understanding, to facilitate healthy lifestyles and proper use of leisure time, and to address the personal development enrichment needs of the region.

The Southern Center is the University’s bridge to the community. Through the Southern Center’s programs, activities, and services, the public is exposed to the service function of the University, thereby providing the avenue for the University to extend its resources to numerous groups within the region. The programs and activities of the Southern Center take many forms: short courses, seminars, lectures, conferences, contract in-house training and development programs, technical assistance, and consulting and advisory services. A comprehensive series of programs and services is available on campus and off campus. These activities are designed to meet a vast array of needs and interests including:

- professional growth and development for those in business, industry, health care, teaching, human services, and other professions requiring retraining and upgrading of job skills for adults
- hobby, cultural, recreational, in general interest pursuits of adults and children
- other programs and services designed to provide consulting, technical assistance, and research to improve the quality of life and provide for economic development in Southeast Georgia.

meeting planning and conference planning services for professional associations, non-profit organizations, and other groups.

These programs and services are available throughout the southeastern United States. The programs and activities of the Southern Center provided in accordance with the Commission on Colleges, Southern Association of Colleges and Schools, and the University System of Georgia’s programmatic and fiscal requirements.

Conference Center
In April, 1991, the Division opened a 28,000 gross square feet two-story conference center that has been accepted into the membership of the International Association of Conference Centers, thereby assuring that meeting planning standards are met. The facility contains 11,645 square feet of meeting space, one third of which is contained in a 412 fixed seat auditorium. The facility has eleven rooms (fifteen if rooms are divided), including a 15-station computer training center. It has an excellent inventory of instructional/training support equipment, including audiovisual systems and satellite receiving equipment.

In 1993, a 16 million dollar expansion of the Southern Center will commence. When completed in early 1996, the expansion will result in a two-fold increase in meeting space (22,000 square feet) plus a 1200 seat full performing arts theater with appropriate ancillary spaces. On-site meal preparation will be available in a fully equipped kitchen. An 8,000 square foot multi-purpose room (divisible by three) will accommodate over 600 for banquet functions. In addition to a 100-station tiered meeting room, the Center will contain a 24-station computer training center, an executive board room, and meeting rooms of various sizes. Total meeting planning services and amenities will be available to conferences.

Public Service Institute
In April 1972, the Board of Regents approved the establishment of a Public Service Institute to function in the Division of Continuing Education and Public Services. The purpose of the Institute is to act on the needs and problems of
southeast Georgia. A multi-disciplinary approach is used to respond to requests for assistance. This assistance is available to businesses, institutions, and agencies that seek solutions to problems in their communities. The Director of Continuing Education and Public Services serves as the Director of the Institute. A fundamental purpose of Georgia Southern University is to serve those people who request or require continuing professional education in their pursuits in personal development. Additionally, institutions, agencies, and communities that can have their development enhanced by the University’s technical assistance, special services, and continuing education programs, can call on the Public Service Institute. The Institute works with a variety of state agencies and area groups to further enhance those efforts. Contact with governmental and leadership persons in the area is a major effort of the Institute. These activities enhance the outreach efforts of the University.

Intensive English Program
The Intensive English Program is a unit within the Southern Center for Continuing Education that provides a non-credit program in English as a Second Language. It is designed for those students who have some background in English but do not meet regular English proficiency requirements for the University. Participants must be financially self-supporting for this course of study that will occupy five hours of the student’s day and will require study and preparation outside of class. Additional information about the Intensive English Program is available from the:

Intensive English Program
Southern Center for Continuing Education
Georgia Southern University
LB 8124
Statesboro, GA 30460-8124
USA

Continuing Education Units
The Continuing Education Unit (C.E.U.) is a national measure of participation in continuing professional education and training and development programs. Successful completion of designated non-credit courses is recognized by awarding continuing education units to participants. One C.E.U. represents ten contact hours of participation in an organized program where there is evidence of qualified instruction, capable direction, and responsible sponsorship. Permanent records of earned C.E.U.'s are maintained by the University’s Registrar in accordance with the requirements of the Southern Association of Colleges and Schools and the University System of Georgia.

Services
Program Specialists are available to assist in the processes necessary for program development: needs assessment, program planning, program administration and coordination, fiscal management, marketing, and evaluation of program activities and learning outcomes. Furthermore, a full range of meeting planning and conference services assistance is available to individuals and organizations desiring to meet at the Southern Center for Continuing Education or other campus facilities, as well as for those desiring programs in other locations. A full array of in-house contract training programs are available to businesses, industries, institutions, and agencies.

Persons or agencies interested in any of these activities should contact:
Dr. Gene Waters, Director
Southern Center for Continuing Education
Georgia Southern University
LB 8124
Statesboro, GA 30460-8124
(912) 681-5118

INSTITUTE OF ARTHROPODOLOGY AND PARASITOLOGY
The Institute of Arthropodology and Parasitology coordinates an area of interdepartmental research among the departments of Biology, Geology and Geography, Psychology and History. It includes faculty, post-doctoral students, graduate and undergraduate students, technicians and adjunct professors. In August 1990 the U.S. National Tick Collection along with its Curator, was moved from the Smithsonian Institution in Washington, D.C. and is now part of Georgia Southern. The Collection is housed in the IAP Building. This addition to the institute has made it one of the foremost centers for tick research in the world. Independent research group seminars and lectures arranged and conducted by the group emphasize development, physiology, genetics, cytogenetics.
reproductive biology, population biology and
bionomics of selected arthropods, nematodes,
trematodes and cestodes of regional and inter-
national importance. Laboratory and field re-
search is conducted by institute members.

Current members of the institute are as follows:
Dr. Sara N. Bennett
Dr. Gale A. Bishop
Dr. Jonathan Copeland
Ms. Ellen M. Dotson
Dr. Lance A. Durden
Dr. Frank E. French
Dr. Daniel B. Good
Dr. Daniel V. Hagan
Dr. William A. Irby
Dr. James E. Keirans
Dr. Paul R. Kleinginna
Dr. Wayne A. Krissinger
Dr. Kishwar M. Mauer
Dr. Sturgis McKeever
Dr. Denson K. McLain
Dr. James H. Oliver, Jr.
Dr. Oscar Pung
Dr. George A. Rogers

Adjunct Members
Dr. Yasuo Chinzei
Dr. Hans Klompen
Dr. Jian W. Miao
Dr. Howard G. Sengbusch
Dr. Ewa Szlendak
Dr. Wan Yu Zhang
Dr. Xiang X. Zhu

GENERAL SERVICES
THE CENTER FOR RURAL
HEALTH AND RESEARCH

The Center for Rural Health and Research
(CRHR) is based within the College of Health
and Professional Studies. The mission of the
CRHR is to facilitate collaboration, policy liai-
son, research, service and education for health
improvement in rural Georgia. The center works
closely with different colleges, constituencies
and individuals to develop special service
departments, projects and research activities
relevant to the needs of the rural southeast.
CRHR programs support a nine county Senior
Companion Program which emphasizes
home-based companionship for the elderly, a
campus-based physical therapy satellite clinic
staffed by Roosevelt Warm Springs Rehabili-
tation Institute, a Tools for Life Technology

Demonstration Center for the Disabled, a rural
addiction information office, and a clear-
inghouse of materials related to rural health
research, demography, policy and service. The
center also houses historical materials for the
Georgia Rural Health Association which has its
roots at Georgia Southern. Current research
activities include: minority health issues, AIDS in
migrant workers, nurse retention, emergency
medical care and access to care for rural high
risk populations. Encouragement of student
participation in rural health care has high priori-
ty in the CRHR. Affiliates of the Center for Rural
Health and Research also provide leadership in
the rural health movement at the regional, state,
and national level.

For more information about the Center for Rural
Health and Research contact the director at Box
8148, Georgia Southern University, Statesboro,
Georgia 30460. Telephone 912-681-0260.

LIBRARY

The Zach S. Henderson Library is centrally
located on campus in a four-story building
constructed in 1975. The library building has
158,000 square feet and will hold 800,000 books
at total capacity. The library seats 865 people in
the book stack areas. Thirty-eight faculty studies
and 88 student lockers are available for the use
of individuals engaged in research activities.
Additionally, the Henderson Library contains
three group study rooms and three seminar
rooms.

As of July 1991, the Henderson Library’s collec-
tions contained 434,715 volumes; 697,628
microform units; 457,538 government docu-
ments; and 6,953 audiovisual units. The library
also maintains subscriptions to 3,352 serial and
periodical titles.

The Library is installing an automated system
which will link the catalog, periodical indexes,
circulation functions in one integrated
system. The Library’s catalog is currently avail-
able on-line, and is part of a union catalog for
the University System of Georgia. Computer
terminals which are used to search this state-
wide union catalog may also be used to search
other library catalogs and databases located
throughout the world via the Internet, a high-
speed computer network. The Henderson
Library maintains cooperative relationships with
many of these libraries, and offers interlibrary
loan services to obtain those items which are not available locally.

The library is open 134 hours each week during the academic quarters and on a limited basis during intersession and holiday periods.

LEARNING RESOURCES CENTER
The Learning Resources Center, a department within the Zach S. Henderson Library, is located on the library's first floor. It contains the student Academic Computing Center and Tutorial Center. Services are available without charge to all GSU students.

The Academic Computing Center is heavily used campus-wide. Equipment in the center consists of 100 IBM P/S 2 Model 30 microcomputers networked to an IBM Model 60. Fifteen Apple and Macintosh microcomputers are also available. Many of the microcomputers are connected via telephone to the mainframe computers of the University System Computing Network. Computer software is available in many subject areas. Student assistants are available to help users with word processing, data base management and spreadsheet applications.

The Tutorial Center is available to Georgia Southern students experiencing difficulty with academic assignments or wishing to improve their academic skills. Student tutors provide one-on-one help in English, mathematics, reading and study skills. Cassette tapes, textbooks, and computer assisted instruction are used in the tutoring process. Students are welcome by appointment or on a drop-in basis during scheduled tutorial hours.

The Learning Resources Center maintains the same operating schedule as the Henderson Library. The facility is open 134 hours each week during the academic quarters, and on a limited basis during intersession and holiday periods.

ADVISEMENT
Georgia Southern makes every effort to provide students with academic advising. Students must ultimately be responsible for their own choices, their own program selection and their own deadlines. But the college assumes the responsibility of providing assistance in planning academic programs and guidance.

All students who have not declared a major are advised in the Academic Advisement Center. The center is staffed by faculty members who are knowledgeable about the core curriculum and who are especially interested in helping students explore possible major areas. The center is available to all students for information and assistance.

Once a student declares a major, he/she is advised by a member of that department. It is important that students see their advisors prior to registration each quarter. They should also meet with their advisors at other times in order to plan programs carefully and to be sure that all requirements are being met.

The Director of Advisement is responsible for the advisement of undeclared majors, the overall operations of the Advisement Center and for assistance to departments.

DEVELOPMENT AND UNIVERSITY RELATIONS
The Development and University Relations office is the university's central agency for public relations, resources, community and alumni development, publications and photography. The division works through the media, the Georgia Southern University Foundation, Inc., alumni chapters and other means to keep the public informed about the activities, growth, and development of Georgia Southern University.

The Public Relations Office showcases the activities and achievements of the university and its students, faculty and staff through an organized news service to newspapers, radio and television stations.

Using a variety of projects and campaigns, the Development Office solicits interest and investments in Georgia Southern through the Georgia Southern University Foundation, Inc. These activities provide a base of supplemental funding from the private sector to advance the university's plans and potential.

The Alumni Development Office coordinates the activities of the Alumni Association which provides leadership, service, and information about the university to its 36,000 alumni. The Alumni office sponsors receptions and socials throughout the southeast to maintain ties with
Georgia Southern alumni while building their support for the university.

To present a unified image of the university, the Publications Office oversees the production of all Georgia Southern publications including brochures, catalogs and other printed materials.

Photographic Services provides visual coverage of all campus activities and events for use in the news and sports media, campus publications, slide and video productions and a variety of other services.

INTERCOLLEGIATE ATHLETICS

Georgia Southern University has become one of the dominant athletic programs in the United States in recent times. Across-the-board success over the past six years has resulted in the Eagles winning four national championships, eight conference championships and participating in the NCAA Tournaments in football, men's basketball, baseball and golf.

In 1986-87, only nine schools in the entire country made the NCAA playoffs in football, basketball and baseball. They were Auburn, Clemson, Georgia, Michigan, Oklahoma, Texas A&M, Louisiana State, UCLA and Georgia Southern.

Just this past season, Georgia Southern captured its fourth I-AA national football title by defeating Nevada 36-13 in Statesboro. The victory capped the first season under Head Coach Tim Stowers, who replaced the retired Erk Russell in December, 1989. Stowers became the first I-AA coach to win a national championship in his first season. The 1990 Championship duplicates the 1989 title, giving the Eagles back-to-back trophies for the second time. In 1985 the Eagles defeated Arkansas State in the championship game to become the first team ever to win back-to-back national football titles. Georgia Southern defeated Furman University in 1985 to capture its first national title. Since restarting the football program in 1982, Georgia Southern is 95-25-1.

The men's basketball team, under the direction of Head Coach Frank Kerns, finished 17-11 during the 1989-90 season, but missed the postseason for the first time in four years. After an NCAA Tournament bid in 1987, the Eagles were invited to the NIT in 1988 and 1989.

On the baseball diamond, Georgia Southern finished the 1990 regular season 48-16 and was extended an at-large bid to the NCAA Tournament. As the No. 5 seed at the Midwest Regional, the Eagles captured four of five games and advanced to the College World Series in Omaha. An 0-2 finish at its second-ever CWS appearance placed Southern 50-19 on the season. The win total was the highest in school history. Head Coach Jack Stallings is the sixth winningest coach in college baseball history with 960 wins.

The soccer team captured its first-ever Trans America Athletic Conference Eastern Division championship in 1990, posting a school record 15 wins. The team suffered only five losses, the last a 2-1 defeat to Centenary in the TAAC title game.

The golf program has also enjoyed success in recent years. PGA professionals Jodie Mudd, Gene Sauers and Mike Donald helped establish the program that continues today. In 1990 Bo Fennell received an individual invitation the NCAA East Regional, hosted by Georgia Southern at the Savannah-Sheraton Country Club, and missed the national tournament by a single strike.

Other men's teams fielded at Georgia Southern are tennis, cross-country and swimming.

Georgia Southern women's teams compete in the New South Women's Athletic Conference, a nine-school league of schools in Georgia, Florida and Alabama. The Lady Eagles have dominated on the basketball court, taking championships three times in the last four years. In the NSWAC's five-year existence, GSU has never missed a title game appearance. The 1989-90 squad finished 21-9 en route to the conference championship.

Softball, tennis, volleyball, swimming, soccer and cross-country teams also represent the school in NSWAC competition. These teams have made great strides as Georgia Southern athletics continue to gain prestige across the United States.

Georgia Southern won the coveted Jessie C. Fletcher Trophy which goes to the outstanding overall athletic program in the TAAC. This marked the fourth time in six years that Georgia
Southern has won it and the first time it was ever won without the benefit of a single championship.

Overall Georgia Southern has had numerous athletes named all-conference, All-America and academic All-American. Five athletes have been named Player-of-the-Year in various sports and four coaches were named Coach of the Year.

Georgia Southern's athletic facilities are among the finest in the nation. Included are two gymnasiums, a baseball stadium, 15 tennis courts, an 18,000 seat football stadium and an eight-lane pool. Hanner Fieldhouse houses the athletic coaches' offices as well as the pool, gymnasiums, room, training room and a 5,500 seat basketball arena, which has recently been refitted with new lights, scoreboards and a new hardwood maple floor.

POSTAL SERVICES
The Campus Postal Service is a university owned and operated facility located in the Landrum Center. This activity is responsible for mail pick up, delivery, boxing and window services for faculty, staff and students.

Upon registration a mail box and combination number will be printed on your confirmation invoice. All student mail boxes are located in the Landrum Center. The Campus Postal Service will identify recently assigned mail boxes and provide services within hours after registration.

STUDENT AFFAIRS
PURPOSE
As an integral part of the university's education process, the Division of Student Affairs advances the university-adopted statement of purpose. To accomplish this goal, the staff strives constantly to find and to develop better communication with faculty, students, and the general campus community.

The Student Affairs staff also believes that each student should be provided with a stimulating environment and opportunities for learning designed to promote development that will effect continuing, satisfactory adjustments to life. A student is thus encouraged and allowed to use all resources available within the campus and local community to prepare for life beyond the university.

UNION PRODUCTIONS
Union Productions is the programming arm of the University Union and provides a variety of campus-wide social activities each quarter including movies, concerts, comedians, and other fun-filled events. Union Productions is responsible for such annual events as the Back To School Dance, Homecoming, Alcohol Awareness Week, the Union Birthday, and Spring Fling. Most of these events have a nominal admission fee. Applications are taken each Winter Quarter for the student board members. Board members are responsible for planning and implementing all events and working with the various committees. Joining one of Union Productions' committees is an excellent way to get involved, meet new people, get behind the scenes, and have input on the types of entertainment sponsored by Union Productions.

For additional information, contact Union Productions in Room 207 of the University Union or call 681-5442.

CAMPUS RECREATION AND INTRAMURALS
The Office of Campus Recreation and Intramurals exists to provide access to quality facilities, programs and developmental opportunities to the students, faculty and staff of Georgia Southern University during their leisure time.

The competitive nature and wide variety of structured Intramurals and informal recreational opportunities combine to produce a very positive use of students' leisure time. The program offers the opportunity for students to develop social and lifestyle fitness habits from which they will benefit throughout their lives.

"Participate, Don't Spectate" is the motto of the Campus Recreation and Intramural Program where Fun is Number 1. The structured program offers traditional team sports such as flag football, basketball, and softball. Campus Recreation and Intramurals has developed an assortment of special events which are designed as enjoyable, non-skill related activities. These activities are "A Ton of Fun" and students are urged to register early.
Informal Recreation provides for self-directed or an individualized approach to participation. This program area accommodates the desire to participate in sports for fitness and fun, often with no predetermined goals except that of the participant.

Indoor facilities include the Hanner Building, which houses the CR/1 Program Office, three gymnasiums, two weightrooms, an activity center and the Marvin Pittman Gymnasium which includes a weight room also. In addition the Fitness Extension has joined the ranks of indoor facilities and offers a wide variety of aerobics classes and aerobic bikes for numerous exercise opportunities.

Outdoor opportunities are highlighted by the new multipurpose lighted fields area off of Old Register road. Opportunities include the Sports Complex lighted fields and Oxford field. Eight lighted tennis courts and four non-lighted courts are located behind the Hanner Building, and three additional lighted courts are adjacent to Hendricks Residence Hall. There are six outdoor lighted racquetball courts, two outdoor volleyball courts, two outdoor basketball courts, and various other facilities available for recreational activities.

The new and exciting Outdoor Recreation program was created to provide students, faculty and staff many different options in regard to getting back to nature. By participating in the programs you will have the opportunity to experience the great outdoors while meeting new friends. Opportunities are available on a year-round basis through the Outdoor Program Office located at the Sports Complex.

The Club Sports Program is a relatively new part of the CR/1 Program. A club sport is defined as a registered student organization which may provide a program of instruction, recreation, and/or competition in a specific sport involving gross motor skills. Club sports assume a variety of types and sizes in order to meet many of the sport needs and interests of students, faculty, and staff. Each club establishes its own organizational framework, leadership, and performance levels. Each club sport is a student organization that is administered by its members and is independent of other club sports.

Participation in CR/1 sponsored activities is completely voluntary and all participants are urged to have a physical examination prior to participation. Participants are also urged to acquire the necessary medical insurance coverage as the CR/1 Program is not responsible for individual coverage.

To use facilities or to participate in activities requires a valid student, faculty/staff ID card. All Intramural Sports student participants must be enrolled for five or more credit hours and must have paid the student activity fee.

COUNSELING CENTER

The Counseling Center provides a wide variety of services and programs to promote personal growth and development and to help students handle day-to-day difficulties. Eight full-time, professional counselors and psychologists furnish assistance which is strictly confidential. Students may request counseling for themselves or be referred by a faculty or staff member. Appointments are preferred, but not required, for the initial visit.

Counseling is available on an individual basis for personal, academic and career development concerns. Students are encouraged to arrive at their own decisions and take responsibility for making adjustments to resolve concerns.

Tests to evaluate ability, achievement, aptitude, vocational interest and personality are available to students and may be recommended as part of the counseling experience. This information is useful in assessing academic potential and progress, as well as personal characteristics, strengths and weaknesses which must be considered in the decision-making process.

Group sessions are presented each quarter on topics ranging from stress management and overcoming test anxiety to deciding on a major, eating disorders and drug abuse awareness. Programs on special topics are provided at the request of student groups.

Career Development

Of particular interest to many students are the services related to assistance with choosing a major, finding suitable careers, gathering information on occupations and preparing for the job search. The career library, computer-
assisted career exploration programs and tests of aptitude and interest are a few of the resources on hand.

Minority Advisement Program
The Minority Advisement Program provides special assistance to minority students who wish to be a part of this program. Upper-class minority student sponsors work with new students to aid them in adjusting to the university environment.

Disabled Student Services
Georgia Southern University is committed to assisting students with various learning, physical and/or medical disabilities. Services currently available include counseling and serving as liaisons for students to faculty and staff. Counseling is provided at no charge through the Counseling Center and is available to all students with disabilities. Please contact the Disabilities Counselor in the University Counseling Center at 681-5541, Landrum Box 8011, TTD # 681-5542.

FINANCIAL AID
Georgia Southern University offers a comprehensive program of financial aid for students who, without such aid, would be unable to continue their education. Through this financial aid program, an eligible student may receive one or more types of financial aid. Georgia Southern administers several programs designed to assist students. These programs include assistantships, employment, fellowships, grants, loans, and scholarships. Before you or your parents decide a college education is too expensive, you should investigate the possibility of obtaining financial aid through Georgia Southern University.

Most financial aid at Georgia Southern is awarded on the basis of a student's academic progress and proven financial "need." Financial need is defined as the difference between a family's resources and the total expenses of attending the university. If there is a deficit, the student is considered to be in need of financial assistance. Georgia Southern University uses the Free Application for Federal Student Aid (FAFSA) form provided by the U.S. Department of Education to measure a student's eligibility to participate in the various Title IV programs.

HEALTH CENTER
The University has a student Health Center staffed by full-time health care professionals including physicians, nurse practitioners, nurses and X-ray and laboratory technicians as well as clerical personnel, and a pharmacist. Consultations, examinations, and treatment are available during the time school is in session to those students who have paid a health fee. There is a small fee charged for services not covered by the health fee, such as X-rays, lab work and medications. The Health Center is open from 8 a.m. to 5 p.m. Monday-Friday when the university is in session.

The health fee covers only these services rendered at the Health Center. Illness or accidents requiring the services of a physician or hospitalization off campus are at the expense of the student. Students may also elect to use a physician other than the college practitioners at their own expense.

PLACEMENT OFFICE/CAREER SERVICES
PROFESSIONAL EMPLOYMENT/JOB SEARCH SKILLS
The Placement Office is a centralized facility which assists students and alumni from all academic areas in entering the professional employment market. In addition to the highly visible on-campus recruiting program that attracts well over 100 employers from Georgia and throughout the southeast, the Placement Office offers a wide variety of programs and services to equip students for a successful job search. Professional staff are available to advise students and lead workshops on such topics as preparing a resume, effective interviewing techniques, and general job search strategies. Special career days attended by employers from business and industry, health/human services, education and government are planned throughout the year where students are encouraged to network with employer representatives. A comprehensive resource collection of books, periodicals, video tapes and employer literature is available for students to research not just career fields and jobs, but employing organizations as well.

COOPERATIVE EDUCATION
Georgia Southern University offers students the opportunity to gain work experience related to
their academic majors and earn money for college expenses. This is achieved through the Cooperative Education Program that is provided on an optional basis in most majors in the Schools of Technology, Business, Arts and Sciences, and Health and Professional Studies. The Co-op Program is coordinated administratively by the GSU Placement Office.

The co-op plan may be student, college or industry initiated. Normally students must have completed at least 30 quarter hours of credit, have a GPA of 2.5 or better and be willing to participate in a minimum of two alternating co-op work quarters. Work responsibilities and salaries are both determined by the individual employer. Co-op students register for a designated Special Problems/Co-op course each quarter that they are on work assignment; an S/U grade is assigned for each work quarter on the basis of the employer's evaluation.

CAREER EXPLORATION
The Placement Office can assist students with choosing a major and career field. This process allows students to focus on personal values, interests and skills while gathering information about different academic majors. Once this process is achieved the student can translate general career goals into a specific employment seeking strategy. This service provides self assessment inventories, video mock interviews, resume critiquing and SIGI+, a computerized career guidance system. Campus outreach programming allows students to become knowledgeable about various academic majors, graduate school issues and a host of other career related topics.

STUDENT ORGANIZATIONS AND ACTIVITIES
Part of each student's education is the development of his/her talents outside the classroom through participation in one or more of a wide variety of organizations and activities on the Georgia Southern University campus. The University Union provides services to all recognized student organizations and is responsible for registering and maintaining informational files on student organizations. The program area of the University Union provides leadership retreats, receptions, seminars, and workshops for student organizations. Organizations range from honor and recognition societies, special interest groups, professional and departmental organizations, social fraternities and sororities and religious organizations to the Student Government Association. Activities include those that are academic, literary, athletic and leadership in nature. Information about student organizations can be obtained by contacting the University Union at 681-0399.

Student Government Association is the central student organization on campus. Its five executive officers - president, executive vice president, vice president for academic affairs, vice president for finance, and vice president for auxiliary affairs - are elected each Spring Quarter by the student body. Student Government represents the student body in all phases of student life at Georgia Southern and facilitates communication between the administration, the faculty and the student body. Individuals or organizations desiring input into the total life of the campus should enlist the services of these officers and senators.

TESTING
The Testing Office provides services to students as well as certain segments of the surrounding community. Such examinations as the Scholastic Aptitude Test (SAT), Graduate Record Examination (GRE), Graduate Management Admission Test (GMAT), Regents' Test, Institutional SAT (ISAT), Miller's Analogies Test (MAT), GED, Nursing Tests, National College Level Examination Program (NCLEP), ACT, Law School Admission Test (LSAT) and Pharmacy Test are administered through this office. The Testing Office also assists students by providing a center for Independent Testing for Correspondence Courses taken at other institutions. There is a $10
charge per test for arranging Independent Study Exams.

Persons interested in further information concerning dates, times, cost, eligibility and sign-up procedures should contact the Testing Office at 681-5415.

UNIVERSITY UNION
The new University Union serves as the official center of student, faculty and staff life. It provides the services, conveniences and amenities the members of the university family need in their daily lives on campus. It offers a cultural, social, and recreational program enhancing the out-of-class experiences and aiming to make free time a cooperative factor with study in education. The union aids in the individual's development of basic qualities of successful leadership and participation. The development of persons as well as intellects is its goal.

Included in the 110,000 square foot University Union facility is: a 900 seat ballroom, a 576 seat movie theatre/auditorium, student office space, 16 meeting rooms, a gameroom, study lounges, music listening lounge, TV lounge, snack bar, retail shops, mini book store, a small restaurant, an information center, a catering kitchen and several open lounges. These facilities support programs such as Union Productions (UP), Student Government, student clubs and organizations, leadership training and homecoming.

EDUCATIONAL OPPORTUNITY PROGRAMS
The Educational Opportunity Programs Office provides outreach services designed to promote post secondary education opportunities among area low income and potential first generation college students. The Office is comprised of the Upward Bound and Educational Talent Search Projects. Upward Bound offers 80 high school students the support and assistance needed to generate skills necessary for success at the post secondary level. Services and activities include tutorial assistance, career, personal and academic counseling, cultural field trips, classes in basic skills, assistance with post secondary placement and a six week residential program. Educational Talent Search assists 900 middle school, high school, out of school students and veterans with help in completing high school, enrolling in and completing post secondary educational programs. Services include career and academic counseling, college admissions and financial aid assistance, workshops on self-esteem and study skills, and college tours. The service area includes Bulloch, Burke, Candler, Emanuel, Evans, Jenkins, and Screven Counties. Both programs are funded by grants provided by the U.S. Department of Education and are administered by the Division of Student Affairs.
HOUSING

FACILITIES
Georgia Southern operates thirteen housing units providing space for approximately 3200 students. The 12 residence halls and two apartment units offer a variety of facilities, services, programs, and costs.

Special facilities and services available in the residence halls include TV lounges, pianos, recreational equipment, laundry rooms and kitchen areas. Student rooms are equipped for two students and include single beds with innerspring mattresses, desks with chairs and closets. Students are expected to furnish their own bed and bath linens including a mattress pad and pillow.

In addition to providing convenient and comfortable housing at a reasonable cost, Georgia Southern also strives to provide a positive environment conducive to the development of its residents. Each housing unit has a Residence Life staff which supervises the activities within the unit, offers educational, social and recreational programs and is available to assist students with personal and academic concerns.

POLICIES, PROCEDURES & REGULATIONS
The Department of Housing has established regulations, policies and procedures to insure the orderly operation of the department and to promote effective group living. Those policies and regulations which are most appropriate for inclusion here are listed below. Additional policies and regulations can be found on the application form, in the *Eagle-Eye* and in other Department of Housing publications.

Residency Requirements/Eligibility: There is no residency requirement for the 1993-94 academic year. Any student, regardless of their classification, will be allowed to live off campus. To be eligible for college housing, one must be enrolled at Georgia Southern and must maintain a minimum of five credit hours per quarter.

Applying for Campus Housing: Application for university-owned housing is to be submitted after a student has been officially accepted to Georgia Southern. Information on campus housing will be included with the official acceptance letter. One copy of the completed application/agreement form should be sent with a $50 reservation/damage deposit to the address given on the application. The carbon copy is the student's copy.

IMPORTANT! Please note that the application/agreement form used by the Department of Housing binds the student to college-owned housing for the entire academic year or remaining portion thereof. Once the application is submitted, the student is legally bound to the terms and conditions printed on the back of the form. Students whose homes are within commuting distance should decide if they are willing to live in college housing for the full year before submitting their application.

Deposits: The required $50 reservation damage deposit is not applied toward room rent, but will be kept until the student's period of residency is complete. At the end of a student's residency, the deposit will be refunded if all terms and conditions of the agreement have been met. Charges for damages or special cleaning will be deducted from the deposit before a refund is issued. The deposit will also be refunded if the reservation is cancelled by the dates indicated on the application form.

Assignments: Assignments are made on the basis of (1) date of receipt of the agreement and deposit and (2) specific request of the applicant. Therefore new students are advised to request a housing application as soon as they receive their official acceptance. While every effort will be made to honor building preferences and mutual roommate requests, no guarantee can be made concerning these requests.

The university reserves the right to (a) authorize or deny room and/or roommate changes, (b) place additional students in a students' assigned room, (c) consolidate vacancies and (d) re-designate buildings and assignments if it is in the best interest of the overall program.

If a student fails to occupy his/her space by 6 p.m. of the first day of classes without notifying the Housing Office of a delayed arrival, the assignment will be cancelled. Students who enroll without occupying their assigned space will remain liable for housing fees during the period of the housing agreement.
Date of Occupancy: Students may occupy assigned space from the date designated as the official opening of campus housing to the date designated as the end of the term. Campus housing is closed between quarters with the exception of specifically designated units.

Students who withdraw or are suspended for academic or judicial reasons must vacate their assigned space, removing all personal belongings within 24 hours after discontinuance as a student.

Questions pertaining to student housing should be directed to:
Department of Housing
Landrum Box 8102
Georgia Southern University
Statesboro, Georgia 30460-8102
(912) 681-5406

RESIDENCE LIFE

The Residence Life program at Georgia Southern University offers a living-learning environment for the 3200 students living on campus in 12 residence halls and two apartment complexes. Residence hall living provides social interaction and programming that heighten a student's sense of belonging, self-esteem and self-actualization. Services, activities and other learning experiences include rules, regulations, roommate contracting, floor gatherings, meetings, hall government and leadership training. These experiences provide students with an opportunity to grow, achieve, find autonomy and practice decision making. The Residence Life Office provides quality programming based on the Wellness Concept. Programs are centered around the following dimensions: social, physical, occupational, spiritual, intellectual and emotional.

Coordinating these experiences and programs are highly trained staff members. Staff members enhance the living community by planning the above mentioned activities and programs for students, assisting students in every way possible to ensure that they are happy, safe and making a smooth transition to college life. Four professional staff members (Area Directors: fulltime professional who have a Master's degree in Student Development, Counseling or a related field) live and work in the residence halls; 11 Resident Directors (graduate students) live in the residence halls and are available practically 24 hours a day to respond to any type of situation; and 78 Resident Assistants (upper-class students) live on the floors of the residence halls. Through effective management and programming, the Residence Life staff members create a community environment that is conducive to the academic success and personal growth of each resident and consistent with the goals and objectives of Georgia Southern University.

Students have the opportunity to become actively involved in residence hall living by becoming a member of the Resident Student Association, Residence Hall Association or the Residence Hall Judicial Board.

The Residence Life Office is located on the first floor of the Rosenwald Building. The Area Directors and Resident Directors have offices in the residence halls.

ADMISSION

The university encourages applications from qualified applicants from all cultural, racial, religious and ethnic groups. Admissions standards are designed to identify students whose academic backgrounds indicate they are capable of successfully completing work at Georgia Southern University.

The requirements for admission to the university as a beginning freshman, undergraduate transfer, graduate, or transient student may be found in the appropriate sections.

Information on admission to a particular degree and major program may be found in the appropriate school section.

Applications for admission may be secured from the office of your high school or junior college counselors or by writing directly to the Office of Admissions, Landrum Box 8024, Georgia Southern University, Statesboro, Georgia, 30460-8024, (912- 681-5531) and must be submitted prior to the application deadline prescribed for each quarter.

Normally all students who have applied or updated their applications prior to the application deadline for a specific term will be considered for admission. However the university reserves the right to cease accepting applications at any time. Therefore students
are encouraged to apply or update well in advance of the application deadline for their intended terms.

The university reserves the right to examine further any applicant by the use of psychological, achievement and aptitude tests. (Each applicant must give evidence of good moral character, promise for growth and development, seriousness of purpose, and a sense of social responsibility.)

The university further reserves the right to require additional biographical data and/or an interview before the applicant is accepted or denied admission. If an interview is required, the applicant will be notified.

The Director of Admissions may refer any applicant to the Admissions Committee of the university for study and advice. The ultimate decision of acceptance or denial will be made by the Director of Admissions subject to the applicant's right to appeal as provided in the policies of the Board of Regents of the University System of Georgia.

An applicant who chooses not to enroll for the quarter accepted must notify the Admissions Office to update quarter of application, and acceptance may be deferred until further information is received.

IMMUNIZATION REQUIREMENTS
In order to comply with University System of Georgia policies, all new students attending Georgia Southern University will be required to submit a Certificate of Immunization for measles, mumps, and rubella prior to registering for classes.

Students who do not present evidence of immunization as set forth above will not be allowed to register or to attend classes until such time as they can present the required immunization certificate. Students who have religious objections and students whose physicians have certified that they cannot be immunized because of medical reasons may be allowed to register with the understanding that they must leave the campus in the event of an outbreak of the diseases mentioned.

The certification must be on a form provided by Georgia Southern and signed by a physician or an official of a County Health Department. This certification form is mailed to all new students admitted to Georgia Southern. If you have questions call the Health Service at (912) 681-5641.

BEGINNING FRESHMEN
*An applicant will be eligible for admission only upon compliance with the following requirements and conditions.
1. Graduation from an approved secondary school or possession of a Department of Education Certificate awarded on the basis of the General Education Development (GED) Tests.**
2. Satisfactory completion of college preparatory subjects in high school which should include the following units:
   4 English
   3 Social Studies
   3 Mathematics (courses should include Algebra I, Algebra II, Geometry or Trigonometry).
   2 Foreign Language (must be the same language)
   3 Science
   4 Additional academic courses
   16 total academic units
   (please see College Preparatory Curriculum which follows)
3. Submission of satisfactory scores on the College Entrance Examination Board Scholastic Aptitude Test (S.A.T.) or American College Test (A.C.T.)
4. U.S. Citizens or Resident Aliens for whom English is not their native language must submit satisfactory test results from the TOEFL (Test of English as a Foreign Language) or the Michigan test which must be taken at a site within the United States or its protectorates.
5. Submission of an official high school transcript directly from the high school to the university.
6. A record of good conduct. Major or continued difficulty with the school or civil authorities may make an applicant ineligible regardless of academic qualifications.
7. Submission of a Medical History (Form provided with an acceptance for admission.) Applicants are usually initially admitted prior to high school graduation once they have completed their junior year of high school and have submitted official high school transcripts including a satisfactory grade.
General Information

point average and satisfactory S.A.T. or A.C.T. scores.
An individual seeking admission as a special student, not pursuing a degree program, but who desires to take courses for personal benefit, must submit a statement as to the type of studies to be pursued and the reason for selecting a special program. The individual must also submit all documents and satisfactory scores on such ability or achievement tests as may be prescribed by the Director of Admissions.

- Requirements are subject to change. Please contact Admissions Office for current admission requirements.
- GED recipients are not eligible for admission before their high school class has graduated.

COLLEGE PREPARATORY CURRICULUM
The following courses are required of students who graduated from high school in the spring of 1988 or later and plan to enroll in regular college programs leading to the baccalaureate degree in institutions of the University System of Georgia: four units of English (including grammar and usage, American and world literature, and advanced composition skills), three units of science (including physical science, at least two laboratory courses from biology, chemistry, or physics), three units of mathematics (including Algebra I, II and geometry), three units of social science (including American history, world history, and economics and government), and two units of foreign language (skills-building courses emphasizing speaking, listening, reading, and writing). The courses required for regular admission to institutions of the University System represent the minimum standards set forth by the Board of Regents.

Additional courses selected from the following areas are also strongly recommended: trigonometry, an additional laboratory course in science, a third course in a foreign language or study of a second foreign language, fine arts (art, dance, drama, music), computer technology, health and physical education and typing.

Students who have completed the required courses of the college preparatory curriculum and who meet all other admission requirements will be admitted to Georgia Southern as regular students. Students graduating with fewer than the required units in the college preparatory curriculum and who meet other standards for admission will be granted provisional status while they complete courses in the areas where they have not completed the required number of units. These are outlined below.

English
Students graduating with fewer than the four required units of English will be required to take the Collegiate Placement Exam (CPE) in English and reading. Based upon the student's score, the student would (1) exempt Developmental Studies English and/or reading or (2) be placed in Developmental Studies English and/or reading.

Mathematics
Students graduating with fewer than the three required units of mathematics will be required to take the Collegiate Placement Examination (CPE) in mathematics. Based upon the student's score, the student would (1) exempt Developmental Studies mathematics or (2) be placed in Developmental Studies mathematics at the appropriate level.

The following provisions apply to the science, social science, and foreign language requirements:
These additional required courses represent course-work beyond the requirements for the program in which the student is enrolled, that is, the student receives credit for the courses, but the credit does not count toward a degree.

The student must earn a "C" or better in each of these courses.

Entering freshmen must enroll in courses to satisfy these deficiencies as soon as we become aware of the deficiencies.

Transfer students must also take these courses immediately upon entering Georgia Southern. The course(s) should be taken with the idea of expanding the student's previous exposure to the disciplines.

Science
Students graduating with fewer than three units of science will be required to take an additional five-hour course in a laboratory science chosen from the approved laboratory science courses in Area II of the core curriculum.
Social Science
Students graduating with fewer than three units of social science will be required to complete one additional five-hour course chosen from the approved social science courses in Area III of the core curriculum.

Foreign Language
Students graduating with fewer than two units of the same foreign language will be required to complete through the second course (Elementary II) of a foreign language at Georgia Southern. Course requirements will be based on the results of a placement exam. Most students with no foreign language work in high school will most likely be required to take the first and second course of a foreign language.

COURSES THAT SATISFY CPC
SOCIAL SCIENCE
One of the following college courses will satisfy the CPC deficiency:
- HIS 152 or 153 Development of Civilization
- HIS 252 or 253 U.S. to 1877 or Since 1877
- ANT 150 Intro to Anthropology
- ECO 250 Principles of Economics I
- ECO 251 Principles of Economics II
- ECO 260 Basic Economics
- GGY 250 World Regional Geography
- PSY 251 Intro to Psychology
- SOC 150 Intro to Sociology

SCIENCE
One of the following courses will satisfy the CPC deficiency:
- BIO 151 General Biology I
- CHE 171 Intro to General Chemistry
- CHE 181 General Chemistry I
- GLY 151 General Physical Geology
- PHY 251 General College Physics (Requires Trigonometry)
- PHS 151 Principles of the Physical Universe (Not for students in Developmental Studies Math)

All students are required to complete a ten-hour lab science sequence to satisfy the core curriculum. This is in addition to the five hours from the lab science courses listed above needed to satisfy the CPC deficiency in lab sciences.

FOREIGN LANGUAGE
The second course in the Elementary Foreign Language sequence satisfies the CPC deficiency:
- YOR 152 Elementary Yoruba II
- ARA 152 Elementary Arabic II
- FRE 152 Elementary French II
- GER 152 Elementary German II
- JAP 152 Elementary Japanese II
- SPA 152 Elementary Spanish II
- RUS 152 Elementary Russian II
- LAT 152 Elementary Latin II
- KOR 152 Elementary Korean II
- FUL 152 Elementary Fulani II

PROVISIONALLY ACCEPTED FRESHMEN
Freshmen accepted conditionally must have met SAT/ACT or grade-point average requirements. Students admitted under this provision must also take the Collegiate Placement Examination for placement purposes. See Developmental Studies.

Students who are provisionally accepted to Georgia Southern and/or must take the Collegiate Placement Exam will jeopardize their admission by enrolling at another institution prior to entering Georgia Southern. Then they must exit developmental studies at that institution and complete 30 hours beyond development studies with a 2.0 grade-point average.

DEVELOPMENTAL STUDIES
Georgia Southern maintains the philosophy that all students who gain admission to the university should be given the best chance possible to succeed. Since students enter at many levels of ability and preparation, the university seeks to give assistance to each student where needed.

The purpose of the Developmental Studies program is to provide those students who have been admitted to the university with inadequate skills in reading, composition and/or mathematics the opportunity to develop those skills to entry-level competency for regular freshman credit courses. Students will be enrolled in a portion or in all of the Developmental Studies curriculum if results of the placement tests and a writing sample reflect a need for assistance in developing academic skills of those who qualify for admission.
General Information

Developmental Studies courses carry institutional credit but not credit toward a degree. Institutional credit is not used in computing grade point averages. If the diagnostic tests so indicate, a student may be allowed to enroll in one or more college-level courses for degree credit concurrently with Developmental Studies courses. The student's first obligation, however, is to satisfy Developmental Studies requirements, and a student may not accumulate more than thirty (30) hours of degree-credit courses before completing Developmental Studies requirements.

Students' progress will be assessed periodically, and they may move out of Developmental Studies courses at the end of any quarter provided satisfactory levels of proficiency have been reached. Students must establish proficiency in Developmental Studies courses within a maximum of four quarters.

Students may carry a maximum of 18 hours except in their fourth quarter when they are limited to 12 hours.

Students who apply for or receive financial aid and who are enrolled as Developmental Studies students will receive the same consideration and awards as any other student.

Students who are not required to enroll in a Developmental Studies course may elect to do so under one of the following conditions:

1. They may enroll for institutional credit, in which case they will be classified as Developmental Studies students and must meet the exit requirements for that area.
2. They may enroll on an audit basis, in which case they will be limited to a total of 18 hours including the audit hours. They will be expected to participate in the course and take the tests, but they will not be subject to the Developmental Studies exit requirements.

Applicants accepted for the Developmental Studies Program at Georgia Southern University must contact the Developmental Studies Office should they wish to enroll at another college prior to attending Southern. (See policies for Admission as a Transfer Student.)

A Developmental Studies student who is placed on dismissal for failure to exit Developmental Studies may apply for readmission as a transfer student after satisfying Developmental Studies requirements and completing thirty hours of college-level work with a minimum grade point average.

JOINT ENROLLMENT

*A student classified by the high school as a senior may apply for the privilege of enrollment to pursue college credit while attending high school. To be admitted, the student must satisfy the following:

A. Have an academic GPA of at least 3.0
B. Must submit SAT scores of at least 900.
C. Must have a recommendation from the student's counselor or principal.
D. Must have excelled in the field for which the student is seeking to enroll.
E. Must have written consent of parent or guardian (if the student is a minor).
F. Must meet College Preparatory Curriculum requirements except in Social Science and English. If their verbal SAT score is 450 or better, then credit can be counted toward graduation. This is the only instance that dual credit is allowed.

* Requirements are subject to change.

EARLY ADMISSION

*Students who have completed the eleventh grade in high school and have demonstrated outstanding ability to achieve will be considered for early admission. Early Admission Students enroll in college as full-time students prior to graduation from high school. To be admitted the student must meet the following requirements:

A. Submission of SAT scores of at least 1000.
B. Must have an academic GPA of 3.5 or better.
C. Must have a recommendation from the student's counselor or principal.
D. Must have written consent of parent or guardian (if the student is a minor).
E. Must meet College Preparatory Curriculum requirements except Social Science English if verbal SAT score is 450 or better.

* Requirements are subject to change.

TRANSFER ADMISSION

* Applicants who have attended any college or university should satisfy the following:

1. Request the Registrar at each institution attended, regardless of length of attendance or amount of credit earned, to send an
2. Present a satisfactory academic record from each institution attended. Admission will be evaluated in accordance with one of the following categories, as appropriate:
   a. Generally, students completing an A.A. or A.S. degree with a 2.0 cumulative G.P.A. (4.0 scale) in a college or university parallel curriculum will be offered admission.
   b. Students who have completed 30 or more quarter credit hours of collegiate work: transfer admission will be granted only if the student has a grade point average of at least 2.0 on all collegiate work attempted or on the most recently attempted thirty quarter credit hours.
   c. Students who have completed fewer than 30 quarter credit hours of collegiate work: transfer admission will be granted only if the student meets all current requirements for regular freshman admission to Georgia Southern University and have a minimum 2.0 transfer grade point average.

*Applicants will not be eligible for admission if they are under current dismissal from any other institution. If you have attempted under 30 quarter hours of college parallel credit at another institution and have not met Georgia Southern's freshman admissions requirements and/or enrolled in remedial/developmental studies courses at another college, you will not be eligible for admission until you have successfully completed the remedial developmental courses and have earned 30 quarter hours of regular degree credit with a cumulative 2.0 grade-point average.

The Director of Admissions will ordinarily determine the applicant's eligibility on the basis of the above requirements but may, however, require the applicant to meet any or all of the following:
1. Present transcripts of high school work and meet freshman admission requirements.
2. A personal interview.
3. Present results for any psychological, achievement or aptitude test that the college may prescribe.
4. Submission of a Medical History. (Form provided with an acceptance for admission.)

Transfer students who graduated from high school in Spring of 1988 or later and have not completed at least 45 quarter hours of accepted transfer core curriculum credits in Areas I, II or III with a minimum of a 2.0 grade-point average must complete the College Preparatory Curriculum requirements of the University System of Georgia.

Transfer students from University System schools are required to complete CPC requirements regardless of hours accepted in transfer.

The applicant possesses the right to appeal the decision of the Director of Admissions to the University Admissions Committee.

- Students who are dually enrolled during high school with a college or university other than Georgia Southern must meet the University System of Georgia's joint enrollment requirements before credit will be awarded.

ADVANCED STANDING
Accepted applicants who have attended any college or university may be granted advanced standing according to the following policies:
1. Transfer credit may be accepted from degree granting institutions that are fully accredited at the collegiate level by their appropriate regional accrediting agency. Provisions may be considered when an institution appeals the policy. However, should the quality of the educational program of the institution attended appear to be mediocre or unsatisfactory, the Director of Admissions has the prerogative not to accept all or any part of previously earned credits.
2. The amount of academic credit accepted in transfer may not exceed the normal amount of credit that could have been earned at Georgia Southern during that time.
3. Credit will be allowed for college courses completed which are college parallel in nature. Below college level (remedial or refresher) courses cannot be accepted in transfer.
4. The Director of Admissions and the Registrar reserve the right to make judgments concerning satisfying requirements for the first three areas of the core curriculum.
5. Credits accepted in transfer by Georgia Southern University may not necessarily
apply as hours toward graduation. Final determination with exception of areas I, II, and III of the core curriculum, will be made by the appropriate academic advisor and are subject to the regulations of the School and Department granting the degree and major.

6. A maximum of 101 quarter hours of work (including physical education courses) completed in a junior college may be accepted.

7. A maximum of 45 quarter hours of non-resident credit may be accepted for transfer within the following guidelines:
   a. Grade of “C” or higher required for courses completed by extension or correspondence.
   b. Fifteen quarter hours credit for military service experience including USAFI and correspondence courses as recommended by the American Council on Education.
   c. Six quarter hours of credit for physical education activity courses based on a minimum of one year’s active duty. The student should furnish a copy of the DD-214 to the Registrar’s Office.

TRANSIENT ADMISSION
Subject to the availability of faculty, space, and facilities, a regular undergraduate student in good standing at another accredited institution may be permitted to enroll one quarter at Georgia Southern in order to complete work to be transferred back to the parent institution. The transient applicant should:

1. Present a statement from the dean or registrar of the parent institution to the effect that he is in good standing and eligible to return to that institution. Must also furnish an official transcript from the last institution attended.

2. Comply with all regulations regarding the admission of transfer students, if, in the opinion of the Director of Admissions, there is doubt about the qualifications of the transient applicant.

Transient students applying for admission for Summer Quarter may be permitted to enroll with submission of the “letter of good standing” alone.

ADMISSION AS A POST BACCALAUREATE STUDENT
Applicants for admission with a bachelor’s degree from an accredited institution but who are not seeking graduate level credit are expected to meet general admission requirements established for enrollment in undergraduate programs.

In addition to the general application for admission form, applicants are required to submit an official transcript to the Director of Admissions, from the institution in which they receive their undergraduate degree. If applicant is seeking an additional degree, official transcripts from all previous institutions will be required.

Individuals enrolled as post baccalaureate students are eligible to take undergraduate level courses only.

ADMISSION AS A GRADUATE STUDENT
Applicants for admission to graduate study are expected to meet general admission requirements established for applicants to graduate programs. The graduate applicant is required to submit two official transcripts of all courses attempted at the undergraduate level. One remains with the Graduate Office; one is submitted to the Director of Admissions.

Admission to the Graduate School is the responsibility of the Dean of the Graduate School; therefore, refer to the section in this catalog headed Graduate School for additional information.

ADMISSION AS AN INTERNATIONAL STUDENT
Georgia Southern University subscribes to the principles of international education and to the basic concept that only through education and understanding can mutual respect, appreciation, and tolerance of others be accomplished.

In addition to meeting the general admission requirements, a prospective international student should satisfy the following:

1. Present TOEFL (Test of English as a Foreign Language) scores which demonstrate proficiency in the English language. English language proficiency is necessary to enroll in a full academic course of study which is
conducted exclusively in English. Although TOEFL scores must indicate a level of proficiency required for admission, students may be required to enroll in English as a Second Language as determined by the Foreign Student Advisor prior to registration for classes. Students required to enroll in English as a Second Language courses will be allowed a maximum of two quarters to complete these English courses and attain a satisfactory level of English proficiency. Students who do not complete the English courses and attain proficiency will be ineligible to continue enrollment.

2. Provide evidence of student's ability to meet financial requirements while in attendance.
3. Submit an official copy of certificates, degrees, or diplomas awarded, including grade reports.

The Director of Admissions reserves the right to request other information which may be necessary to evaluate the application. This institution also reserves the right to admit only those students who are academically qualified and who have proven their ability to meet the financial requirements while in attendance.

All students must provide proof of adequate health and accident insurance coverage while attending Georgia Southern University.

Applicants needing a student visa may be required to submit a deposit before a Certificate of Eligibility will be issued. Continuation of the visa after the first calendar year requires further proof and certification of the student's financial ability.

International students with a student visa are required to carry a full course of study in every quarter. A full course of study at Georgia Southern University is 15 quarter hours for undergraduate students and ten quarter hours for graduate students.

SPECIAL ADMISSION FOR STUDENTS AGE 62 AND OLDER
Georgia citizens who are 62 years of age or older have the privilege, as granted by Amendment 23 of the Georgia Constitution, of enrolling in the University without the payment of fees subject to the following conditions:

1. Must be a legal resident of Georgia.
2. Must be 62 years of age or older and present proof of age at the time of registration.
3. Must enroll as a regular student to audit or take courses offered for resident credit.
4. Must pay for supplies, laboratory or shop fees.
5. Must meet all Georgia Southern University and University System of Georgia admission requirements including high school graduation, SAT or ACT scores, and participation in Developmental Studies if required.
6. If the applicant has previously attended another college or university, he must satisfy transfer admission requirements.
7. If a course of study is pursued to degree, all Institutional, System, and State legislated degree requirements must be met (see REQUIREMENTS FOR GRADUATION).

SPECIAL ADMISSION FOR MATURE STUDENTS
Applicants applying for admission as a mature student summer quarter and subsequent quarters must meet the following requirements:

1. Students who have not attended high school or college within the previous five years and have earned fewer than 20 transferable quarter hours of college credit are not required to take the SAT or ACT. These students, however, shall take the University System of Georgia Collegiate Placement Examination (CPE) and complete any Developmental Studies requirements.
2. Applicants must submit a high school transcript with an academic grade point average of 2.00 or have successfully completed the General Education Development (GED).

READMISSION POLICY
A Georgia Southern University student who has been out of school one quarter or more (excluding summer quarter) and who desires to be readmitted should submit a former student application. The student should also request that official transcripts from any other institution attended since attending Georgia Southern be sent to the Registrar. The student must be eligible to return to the most recently attended institution in order to be eligible for readmission to Georgia Southern.
RESIDENCY

Regents' Policies Governing Classification of Students for Tuition Purposes: Under the Constitution and the laws of Georgia, the Board of Regents of the University System of Georgia was created to govern, control and manage a system of public institutions providing quality higher education for the Georgia citizens. The State, in turn, receives substantial benefit from individuals who are attending or who have attended these institutions through their significant contributions to the civic, political, economic and social advancement of the citizens of Georgia.

Because of the overwhelming amount of financial support supplied by the citizens of Georgia, the determination of whether a student is a resident or a non-resident of Georgia is a significant matter. The tuition paid by in-state students covers about one-fourth of the total cost of their education in Georgia. Georgia taxpayers are therefore contributing 75 per cent of the funds for quality education in Georgia.

State colleges and universities often assign out-of-state students a higher tuition rate in an attempt to achieve a partial cost equalization between those who have and those who have not recently contributed to the state's economy.

The courts consider the durational residency requirement (usually 12 months) imposed by most states to be a reasonable period during which the new resident can make tangible or intangible contributions to the state before attending state colleges as an in-state student. The term "resident" confuses many because it can refer to voter registration, driver's license, automobile registration, income taxes and other matters. A student may be a resident of Georgia for some purposes, but not entitled to in-state tuition fees. Courts have consistently upheld the right of these institutions to charge out-of-state students higher rates. The courts have also upheld the institutions' right to adopt reasonable criteria for determining in-state status.

Through the resident and non-resident fees, the taxpayers of Georgia are assured that they are not assuming the financial burden of educating non-permanent residents.

STUDENT RESPONSIBILITIES

A. Student Responsibility to Register Under Proper Classification - The responsibility of registering under the proper tuition classification is that of the student. If there is any question of his/her right to in-state tuition status, it is his/her obligation, prior to or within 60 calendar days of his/her registration, to raise the question with the administrative officials of the institution in which he/she is registering and have it officially determined. The burden always rests with the student to submit information and documents necessary to support his/her contention that he/she qualifies for a particular tuition classification under Regents' regulations.

B. Notification of Change in Circumstances - A student who is classified as an in-state student must notify the proper administrative officials of his/her institution immediately of any change in his/her residency status, or any other change in circumstances which may affect tuition classification.

C. Official Change of Tuition Status - Every student classified as a nonresident shall retain that status until such time as he/she shall have petitioned for reclassification in the form prescribed by the institution and shall have been officially reclassified in writing as an in-state student by the proper administrative officers. No more than one application may be filed for a given quarter.

D. Reclassification - Every student who has been granted in-state tuition as a legal resident of Georgia shall be reclassified as an out-of-state student whenever he/she shall report, or there have been found to exist, circumstances indicating a change in legal residence to another state.

REGENTS' POLICIES GOVERNING THE CLASSIFICATION OF STUDENTS FOR TUITION PURPOSES

1. (a) If a person is 18 years of age or older, he or she may register as an in-state student only upon a showing that he or she has domiciled in Georgia for a period of at least twelve months immediately preceding the date of registration. During this twelve month period, the student must show that he/she has
been self supporting and has taken the necessary steps to become a legal resident that would normally be taken when moving into a new state.

(b) No emancipated minor or other person 18 years of age or older shall be deemed to have gained or acquired in-state status for tuition purposes while attending any educational institution in this state, in the absence of a clear demonstration that he or she has in fact established legal residence in this state.

2. If a person is under 18 years of age, he or she may register as an in-state student only upon a showing that his or her supporting parent or guardian has been a legal resident of Georgia for a period of at least twelve months immediately preceding that date of registration.

3. If a parent or legal guardian of a minor changes his or her legal residence to another state following his or her legal residence in Georgia, the minor may continue to take courses for a period of 12 consecutive months on the payment of in-state tuition. After the expiration of the 12-month period, the student may continue his or her registration only upon the payment of fees at the out-of-state rate.

4. In the event that a legal resident of Georgia is appointed as guardian of a nonresident minor, such minor will not be permitted to register as an in-state student until the expiration of one year from the date of court appointment, but only upon a proper showing that such appointment was not made to avoid payment of the out-of-state fees.

5. Aliens shall be classified as nonresident students; provided, however, that an alien who is living in this country under an immigration document permitting indefinite or permanent residence shall have the same privilege of qualifying for in-state tuition as a citizen of the United States.

WAIVERS

An institution may waive out-of-state tuition for:
(a) Nonresident students who are financially dependent upon a parent, parents or spouse who has been a legal resident of Georgia for at least 12 consecutive months immediately preceding the date of registration; provided, however, that such financial dependence shall have existed for at least 12 consecutive months immediately preceding the date of registration;
(b) International students, selected by the institutional president or his authorized representative, provided that the number of such waivers in effect does not exceed one per cent of the equivalent full-time students enrolled at the institution in the fall quarter immediately preceding the quarter for which the out-of-state tuition is to be waived;
(c) Full-time employees of the University System, their spouses and their dependent children;
(d) Medical and dental residents and interns at the Medical College of Georgia;
(e) Full-time teachers in the public schools of Georgia or in the programs of the State Board of Technical and Adult Education and their dependent children. Teachers employed full-time on military bases in Georgia shall also qualify for this waiver;
(f) Career consular officers and their dependents who are citizens of the foreign nation which their consular office represents, and who are stationed and living in Georgia under orders of their respective governments. This waiver shall apply only to those consular officers whose nations operate on the principle of educational reciprocity with the United States;
(g) Military personnel and their dependents stationed in Georgia and on active duty unless such military personnel are assigned as students to System institutions for educational purposes.
(h) Selected graduate students at university-level institutions;
(i) Students who are legal residents of out-of-state counties bordering on Georgia counties in which an institution of the University System is located and who are enrolled in said institution.

PROCEDURES FOR OBTAINING GEORGIA IN-STATE CLASSIFICATION

Students who are classified by Georgia Southern University as out-of-state, but who later claim to qualify as in-state students must file a "Petition for Classification as a Legal Resident of Georgia" form with the Registrar's Office. A student's tuition status isn't changed automatically, and the responsibility for proving in-state status is the student's. Out-of-state students or
applicants who believe that they are eligible for in-state benefits must apply for this status.

A person's legal residence is defined as the place where a person intends to remain indefinitely. There must be a concurrence of actual residence and the intent to remain at that legal residence.

APPEALS PROCEDURE
Any student wishing to appeal a decision concerning his/her residence classification should file a Notice of Appeal with the Residency Appeals Committee. This Notice of Appeal should be sent to the Registrar.

After reaching the highest level of appeal, if still not approved, the student may appeal to the Board of Regents.

CREDIT BY EXAMINATION
Georgia Southern University is a participant in the Advanced Placement Program and the College Level Examination Program (CLEP) of the College Entrance Examination Board. Under the Advanced Placement Program a student entering the university offers a nationally graded examination as evidence of completion of a college level course taken in high school. Depending on the results of the examination, the student may receive Georgia Southern credit for courses covering similar material. Under the College Level Examination Program, the university grants up to 45 quarter hours of general education credit to those students who obtain the minimum scores defined by university policy.* For further information contact the Director of Admissions.

Georgia Southern also offers the student an opportunity to obtain credit by local proficiency examination. The procedure for securing proficiency examination credit is as follows:
1. Student clears with registrar to determine eligibility.
2. Student petitions department head of the subject area concerned for an examination covering a particular course listed in the catalog.
3. If petition is approved, the student must pay a test fee of fifteen dollars per test to the Cashier's Office who issues a receipt which is the examination admission ticket.
4. Credit will not be awarded for prerequisite courses after higher level courses have been attempted nor will credit be awarded for courses for which credit has already been earned.
5. Credit obtained by proficiency examination will be considered resident credit.
6. The registrar will make appropriate entry on student's permanent record showing credit was earned by proficiency examination.

* Credit will not be awarded if the student has previously registered for a similar course or a more advanced course in the same field, of if six months have not elapsed since last taking the test.

AUDITING COURSES
Applicants wishing to exclusively audit a course may be exempt from the necessity of taking the SAT. All other admission requirements must be met and regular fees paid. Audit acceptances will be awarded on an individual basis and at the discretion of the Director of Admissions. Georgia Southern also reserves the right to require the college placement exam. An auditor does not receive academic credit by auditing a course. Students may not transfer from audit to credit status, nor from credit to audit status after the last day of registration.

Students who enroll only to audit courses are approved for one quarter at a time and must be approved each quarter.

Students who register to audit courses and then do not attend class, will receive a W (administrative withdrawal) on the record if the student does not attend 75 per cent of the classes. A grade of "V" (audit) is entered on the record for satisfactory class attendance.

IRREGULAR STUDENTS
Irregular students and all other students of classifications not covered in these policies shall be required to meet all requirements prescribed for admission to undergraduate or graduate programs of work and to meet any additional requirements that may be prescribed by Georgia Southern University.
FEES AND FINANCIAL AID

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FEES*
BUSINESS
REGULATIONS
The academic year is divided into three quarters of approximately 11 weeks each and a summer quarter of approximately six weeks. Expenses are charged and payable by the quarter since each quarter constitutes a separate unit of operation. A student may enroll at the beginning of any quarter.

To insure financial operation in conforming to the policies of the Board of Regents, certain regulations must be observed. Fees and charges are due and payable at the time designated on the registration invoice. Fees and charges may be paid in cash, check, or by VISA or Mastercard in the exact amount of the student's bill. Registration is not complete until all general fees have been paid.

The university reserves the right to make changes in its fees at the beginning of any quarter and without previous notice.

Personal checks made out to "CASH - GSU," with proper student identification, may be cashed at the Cashier's Office in Deal or at the University Store in an amount not to exceed $50.00.

•All fees are regulated by the Board of Regents and are subject to change without notice.

RETURNED CHECK PROCEDURE
If a check is returned unpaid by the bank on which it was drawn, a service charge of 5 percent of the face amount of the check or $15, whichever is greater, will be charged. Checks returned unpaid for registration fees before classes begin or during the first three weeks of school will result in a registration cancellation on the next scheduled cancellation date. Checks for tuition are sent to the bank twice for collection.

Fee checks returned unpaid after the last cancellation of the quarter must be cleared within ten days of receipt of written notice or the check will be presented to the prosecuting authority of the court for collection or prosecution for criminal issuance of a returned check. A check for anything other than tuition is only presented to the bank once.

When two checks have been returned by any student's bank without payment, check cashing privileges for that student will be suspended.

HOUSING DEPOSIT
All applications for on-campus housing must be accompanied by $50 reservation breakage/key deposit. This deposit will be refunded after the student completes the assigned period of residency and has properly checked out of the residence hall, returned the keys, and left the room in acceptable condition. The deposit will be refunded if the Housing Office receives a cancellation notice thirty days prior to the first day of classes for the quarter. Deposits are forfeited if the student cancels, for any reason, his room reservation in the residence halls during the thirty days preceding the first day of classes. Housing deposit refunds normally require from 8 to 10 weeks for processing. If the student has unpaid obligations owed to the University, these are deducted from the student's housing deposit refund.

MATRICULATION FEE ON CAMPUS
The matriculation fee is charged to all students. Students registering for 12 or more hours will be charged $460.50 per quarter. Students registering for fewer than 12 hours will be charged at the rate of $38.50 per quarter hour.

OUT-OF-STATE TUITION
Non-residents of Georgia registering for 12 or more quarter hours must pay a fee of $921 per quarter in addition to the matriculation fee and all other regular fees. Non-residents registering for fewer than 12 hours will be charged at the rate of $77 per quarter hour. (See Legal Residence).

COLLEGE FEE
Cultural, social and athletic activities as well as good health care are important parts of the university's program and a student's educational environment. In order to provide those activi-
ties and services, a quarterly fee of $142 is charged. All students pay this fee unless they are registered for fewer than six credit hours or they enroll in all of their courses at off-campus centers. Courses in Statesboro and Savannah are considered to be on-campus.

MEAL PLANS
Four types of meal plans are available. The contract meal plans may be purchased through the normal registration process or at the Food Service Office in the Landrum Center.

Contract Meal Plans
(1) 3 meals a day, 7 days a week . . . . . . $570
(2) 2 meals a day, 7 days a week . . . . . . $490
(3) 2 meals a day, 5 days a week . . . . . . $405

Declining Balance Plan
(4) The EAGLEXPRESS account is a pre-paid declining balance program which may be used in all Food Service units. The minimum deposit of $50 may be paid in the Food Service Office, the Bookstore, Books Plus, or the Lakeside Cafe.

Entering freshmen who live in residence halls must purchase one of the contract plans. Once this requirement has been satisfied, an EAGLEXPRESS account may then be opened. All other students may purchase any of the four meal plans desired or a combination of EAGLEEXPRESS and one of the contract plans.

EAGLEXPRESS
This prepaid declining balance program is more than just a meal plan. EAGLEEXPRESS can be used to purchase goods and services at all Auxiliary Service units including the University Store, the Health Center, Housing, Printing Services, Vending, Parking and Transportation, all Union Retail Stores, and all Food Service units.

HOUSING RATES*
Residence Halls: (Double occupancy; M-Male; F-Female)
Lewis (M) .......................... $330
Brannen (M), Cone (Co-ed), Dorman (M), Hendricks (F), Johnson (F), Olliff (F), Oxford (M), Warwick (F), Winburn (F), Veazey (M) ... $490

Apartments:
In-the-Pines:
Efficiency (1 occupant) ............ $705
Sm. 1-BR (2 occupants) ........... $582

Lg. 1-BR (3 occupants) .......... $654
Lg. 1-BR (2 occupants) .......... $554
Townhouse (4 occupants) ......... $556
Sanford:
2-BD (4 occupants) ............ $505
3-BD (4 occupants) ............ $705

NOTE: Rates quoted are for 1993-94. * Private rooms are only assigned when spaces are available.

LATE REGISTRATION FEE
Students who complete registration after the published registration day at the beginning of each quarter will be charged a non-refundable late registration fee of $50.00.

MOTOR VEHICLE REGISTRATION
Any student bringing an automobile or bicycle is required to register the vehicle within 24 hours. A non-refundable fee is required for registration and a permit must be affixed to the vehicle.

Automobile .................. $15 per quarter
Bicycle .................. $1 per quarter

GRADUATION FEE
A graduation fee of $30 for graduate and undergraduate students must be paid at the beginning of the quarter in which the student completes requirements. Any outstanding financial obligations to the university must be paid before a student can graduate.

PRIVATE MUSIC INSTRUCTION FEE
Private lessons in various instruments and voice are offered. The fee for receiving one-hour credit (twenty-five minute lesson per week) is $12.50 per quarter; the fee for receiving two hours credit (fifty-minute lesson per week) is $25.00; the fee for receiving three hours credit (seventy-five-minute lesson per week) is $37.50.

TESTING FEES*
1. College Level Examination Program (CLEP) .................. $38
2. Institutional Scholastic Aptitude (SAT) ...................... 20.00
3. Proficiency Examination ........ 15.00
4. Graduate Record Exam (GRE) ... 44.00
5. National Scholastic Aptitude (SAT) ...................... 17.00
6. Miller's Analogy Test (MAT) .......... 43.00

* Rates quoted are for 1993-94.
General Information

There is no testing fee for the following if taken on the standard test date:
- Georgia & U.S. History and Constitution Tests
- Foreign Language Placement Test
- Regents' Testing Program
- College Placement Exam (CPE)
- Fees subject to change.

BOOKS AND SUPPLIES
The University maintains a bookstore where students may purchase textbooks, school supplies, sportswear, novelties, snacks, greeting cards, and other items. The University Store accepts cash, checks, Master Card, Visa, and EAGLEXPRESS for payment. Textbooks will cost about $150 per quarter depending on the courses taken and whether books are new or used.

REFUNDS
Regulations of the Board of Regents of the University System of Georgia provide for matriculation fee, non-resident fee and mandatory fee refunds when formal withdrawal is approved within a designated period, following scheduled registration.
- During the first week: 80% refund
- During the second week: 60% refund
- During the third week: 40% refund
- During the fourth week: 20% refund
- Thereafter: No refund

A refund of all quarterly matriculation fees, non-resident fees, and other mandatory fees shall be made in the event of the death of a student at any time during an academic quarter.

When a student vacates a housing assignment during the quarter by formal withdrawal from school, the housing deposit will be returned only if the student has properly checked out of the hall, returned keys, and left the room in acceptable physical condition. Room rent will be returned on a prorated basis determined by the date of withdrawal. Students receive no refund of either housing deposit or room rent if they vacate their housing assignment during the quarter without formally withdrawing from school. If a student withdraws during a quarter, refund of board charges will be made on a prorated basis determined by the date of withdrawal.

A student who discontinues study on any private instruction in music during the second week of a quarter will not be entitled to a refund of music fees.

Refunds will be made only at the end of the quarter.

No refunds for reduction in hours after the schedule adjustment period are allowed unless such reduction results from action of the university.

Outstanding financial obligations to Georgia Southern could be deducted from refund checks.

FINANCIAL AID
Georgia Southern University offers a comprehensive program of financial aid for students who, without such aid, would be unable to continue their education. Through this program, an eligible student may receive one or more types of financial aid.

Most financial aid at Georgia Southern is awarded on the basis of a student's academic progress and proven "financial need." "Financial need" is defined as the difference between a family's estimated resources and the total estimated expense of attending the university. Georgia Southern University uses the Free Application for Federal Student Aid (FAFSA).

Students may receive financial aid for up to 45 credit hours of Developmental Studies Program course work. Students may also receive aid when jointly-enrolled in Developmental Studies and regular courses. The 45 hour limit for Developmental Studies credit applies for jointly-enrolled students as well.

Contact the Financial Aid Department personnel at (912)-581-5413, for help with questions and problems.

The Financial Aid Department part of the Division of Student Affairs, is located on the ground floor of Anderson Hall. Mailing address: Department of Financial Aid, Landrum Box 8065, Georgia Southern University, Statesboro, Georgia 30460-8065.

There are six (6) forms of financial aid available:
1. Assistantships - The Graduate School has available numerous positions within the various departments on campus. Students
usually work 15 hours a week, and are compensated with monthly stipends and tuition supplements.

2. **Employment - Three employment programs are available to students.**

   - The Federal Work-Study Program (FWS) provides jobs to students who qualify for financial aid. Students normally work two hours per day for various wages.
   - The Job Location and Development Program (JLD) provides information about part-time job opportunities available in the Statesboro area. All currently enrolled students may participate in the program as there are no financial eligibility requirements.
   - The Institutional Work Program helps students locate part-time employment with the various departments on campus. There are no eligibility requirements.

3. **Fellowships - Similar in many ways to scholarships and grants, these programs are most often established to assist graduate students and sometimes involve a work obligation.**

4. **Grantees - Numerous federal, state and privately funded grant programs are available to students enrolled at Georgia Southern University.**

5. **Loans - Several loan programs are available from state and federal agencies, civic clubs and private and public foundations. Each incorporates its own eligibility and repayment requirements.**

6. **Scholarships - A variety of state and federal scholarship programs as well as a vast array of scholarship programs established and funded through the Georgia Southern University Foundation are available. Two forms of scholarships are available: Academic and Athletic. Contact the Athletic Administration Division (912-681-5376) for information on the athletic scholarship programs.**

**APPLICATION PROCEDURES**

To apply for any Federal TITLE IV aid:

1. Complete and submit an Application for Admission to attend Georgia Southern University.

2. Complete and submit the Georgia Southern Application for Student Financial Aid by April 15th of the year you plan to enroll.

3. Complete and submit a Free Application for Federal Student Aid by April 15th of the year you plan to enroll. You must list Georgia Southern University as one of the schools you plan to attend in Section G question 32.

4. A number of programs require separate applications. Please note these and request those applications for the program in which you feel you can establish eligibility.

5. Enrolled students should re-apply for aid by April 15th of each year.

6. If you have previously attended another Post-secondary school, you must submit a Financial Aid Transcript from each school attended.

7. All students must have completed the Board of Regents' Immunization policy. April 15th is a preferred filing date. Applicants not filing by this date will be considered if funds are available.

More detailed information about financial programs can be secured by writing to the Financial Aid Department, Landrum Box 8065, Georgia Southern University, Statesboro, Georgia.

The following is a listing of the various programs available at Georgia Southern University:

**ASSISTANTSHIP PROGRAMS**

Graduate Assistantships - A number of qualified graduate level students may be given financial aid in the form of assistantships. Persons holding assistantships are expected to render certain service to the university. The head of the school, division, or department to which the graduate student is assigned will outline the required duties. Students are generally expected to work fifteen hours per week. To be eligible for appointment as a Graduate Assistant, the applicant must be regularly admitted to the Graduate School. Schedules of stipends for graduate assistants may be obtained from the Graduate School. Contact: Graduate School, L. B. 8113, (912) 681-5384.

**EMPLOYMENT PROGRAMS**

The University offers three student employment programs. For more information on these programs, students should contact the Part-
General Information

Federal Work-Study Program - The Federal Work-Study Program (FWS) provides jobs for students who need financial aid and who must earn part of their educational expenses. Students must file the Free Application for Federal Student Aid and establish financial need to be awarded FWS. Applicants must be enrolled at least half-time in a vocational, undergraduate, or graduate program. The amount of the award depends upon demonstrated need and the amount of funds available. The standard award allows the student to work two (2) hours a day during the ten (10) week quarter.

Job Location and Development Program - The Job Location and Development Program (JLD) provides information about part-time job opportunities available in the Statesboro area. All currently enrolled students may participate in the program as there are no financial eligibility requirements. Interested students should contact the Part-time Student Employment Office in order to review the job availability listings.

Institutional Work Program - The Institutional Work Program helps students find part-time jobs in the various departments on campus. All currently enrolled students may participate, and no financial eligibility requirements apply. Interested students should contact the Part-time Student Employment Office in order to review the various on-campus job openings.

FELLOWSHIP PROGRAMS

Patricia Roberts Harris Fellowship
Established in 1989, this program offers fellowships to minority and female students pursuing the Master degree. The fellowships are for a 12-month period and are renewable for a second year of study. Degree areas supported will vary each year. Criteria for selection include GPA, GRE scores, undergraduate academic record and financial need. Contact: Office of the Vice President for Graduate Studies and Research, Landrum Box 8008, Statesboro, GA 30460, (912)681-0578.

GRANT PROGRAMS

Law Enforcement Personnel Dependents Grant
The Law Enforcement Personnel Dependents grant is an award for children of Georgia law enforcement officers, firemen, and prison guards who have been permanently disabled or killed in the line of duty.

Students must meet the five basic eligibility requirements listed below:
1. You must be enrolled in good standing or accepted for admission in an eligible non-profit post-secondary college or school located in Georgia (exception: GTEG program).
2. You must be a legal resident of Georgia for a minimum of 12 consecutive months immediately preceding the date of registration for the school term for which a state educational grant is being sought.
3. You must be a U.S. citizen or classified as a permanent resident alien.
4. You must not be receiving a scholarship or grant from any state agency outside Georgia during the school year.
5. You must be enrolled as a full-time undergraduate student each school term.

The grant is $2,000 per academic year, not to exceed $8,000 during an entire program of study.

Complete the Georgia Student Grant Application, and in the appropriate block indicate that you are applying for the Law Enforcement Personnel Dependents grant. Then request the forms necessary to document your eligibility. Applications should be filed by August, or at least 30 days prior to the beginning of any subsequent school term.

Federal Pell Grant
The Federal Pell Grant is the primary federal student aid program administered by the United States Department of Education. It is intended to be the first and basic component of an undergraduate student's financial aid package. For this reason, Georgia Southern University Financial Aid officers require that a student apply for the Federal Pell Grant.

To be eligible:
You must show financial need.

You must be enrolled in an approved under-
usually work 15 hours a week, and are compensated with monthly stipends and tuition supplements.

2. Employment - Three employment programs are available to students:
   - The Federal Work-Study Program (FWS) provides jobs to students who qualify for financial aid. Students normally work two hours per day for various wages.
   - The Job Location and Development Program (JLD) provides information about part-time job opportunities available in the Statesboro area. All currently enrolled students may participate in the program as there are no financial eligibility requirements.
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4. A number of programs require separate applications. Please note these and request those applications for the program in which you feel you can establish eligibility.
5. Enrolled students should re-apply for aid by April 15th of each year.
6. If you have previously attended another Post-secondary school, you must submit a Financial Aid Transcript from each school attended.
7. All students must have completed the Board of Regents' Immunization policy.

April 15th is a preferred filing date. Applicants not filing by this date will be considered if funds are available.

More detailed information about financial programs can be secured by writing to the Financial Aid Department, Landrum Box 8065, Georgia Southern University, Statesboro, Georgia.

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Job Location and Development Program - The Job Location and Development Program (JLD) provides information about part-time job opportunities available in the Statesboro area. All currently enrolled students may participate in the program as there are no financial eligibility requirements. Interested students should contact the Part-time Student Employment Office in order to review the job availability listings.

Institutional Work Program - The Institutional Work Program helps students find part-time jobs in the various departments on campus. All currently enrolled students may participate, and no financial eligibility requirements apply. Interested students should contact the Part-time Student Employment Office in order to review the various on-campus job openings.

FELLOWSHIP PROGRAMS

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Law Enforcement Personnel Dependents Grant
The Law Enforcement Personnel Dependents grant is an award for children of Georgia law enforcement officers, firemen, and prison guards who have been permanently disabled or killed in the line of duty.

Students must meet the five basic eligibility requirements listed below:
1. You must be enrolled in good standing or accepted for admission in an eligible non-profit post-secondary college or school located in Georgia (exception: GTEG program).
2. You must be a legal resident of Georgia for a minimum of 12 consecutive months immediately preceding the date of registration for the school term for which a state educational grant is being sought.
3. You must be a U.S. citizen or classified as a permanent resident alien.
4. You must not be receiving a scholarship or grant from any state agency outside Georgia during the school year.
5. You must be enrolled as a full-time undergraduate student each school term.

The grant is $2,000 per academic year, not to exceed $8,000 during an entire program of study.

Complete the Georgia Student Grant Application, and in the appropriate block indicate that you are applying for the Law Enforcement Personnel Dependents grant. Then request the forms necessary to document your eligibility. Applications should be filed by August, or at least 30 days prior to the beginning of any subsequent school term.

Federal Pell Grant
The Federal Pell Grant is the primary federal student aid program administered by the United States Department of Education. It is intended to be the first and basic component of an undergraduate student's financial aid package. For this reason, Georgia Southern University Financial Aid officers require that a student apply for the Federal Pell Grant.

To be eligible:
You must show financial need.

You must be enrolled in an approved under-
graduate course of study and must not have a bachelor’s degree.

You must be a U.S. citizen or an eligible non-citizen as defined in the instructions of approved Federal Pell Grant application forms.

You may receive a grant each academic year until you receive your bachelor’s degree.

Federal Pell Grants range from $400 to $2,300 a year (but many vary pending Federal enactment).

Follow the instructions on the need analysis form to apply for the Federal Pell Grant. Apply for the Pell Grant as early as January, but no later than May 1. Students must also complete the Georgia Southern application for financial aid.

Policy Anti-Drug Abuse Act of 1988
It is the policy of Georgia Southern University, and the Office of Student Financial Aid, that when the University or the Financial Aid Department is officially notified that a student, who is a recipient of a Federal Pell Grant, is convicted via a court of law of a drug offense during the period of enrollment covered by the Federal Pell Grant, and for which the student had previously certified he or she would be drug free, that individual’s violation of the certification statement must be reported to the United States Department of Education Office of Inspector General, in accordance with section 668.14 (g) of the Title IV Higher Education Act of 1965 and its amendments.

Upon the final determination by the Office of the Inspector General, and the notification to Georgia Southern University, the Financial Aid Department will implement the recommendations set forth in their findings, which may include the withholding of all further Title IV and institutional payments to the student. Until a final determination is made regarding fraud on the part of the student, the student will remain eligible for financial aid.

Regents Opportunity Grant for Graduate and Professional Students
The Regents Opportunity Grant for graduate and professional students is a state program for economically disadvantaged students who are enrolled full-time in approved graduate programs at University System of Georgia schools. Awards are either $2,500 or $5,000 per academic year.

To apply, obtain an application from the financial aid office. Complete and return the application to the Georgia Southern Financial Aid Office.

Student Incentive Grant
The Student Incentive Grant (SIG) is a federal and state grant program for Georgia citizens enrolled in approved colleges, vocational-technical schools, and hospital schools within the state.

Applicants must meet all eligibility requirements listed below:

- You must not have a four-year or a five-year college degree.
- You must not owe a refund on a previous Federal Student Grant nor be in default on any Federal Student Loan.
- You must show substantial financial need.
- You must be maintaining satisfactory progress in the course of study you are pursuing according to the standards and practices of the school you are attending.
- You must be enrolled in good standing or accepted for admission at Georgia Southern University.
- You must be a legal resident of Georgia for a minimum of 12 consecutive months immediately preceding the date of registration for the school term for which a state educational grant is being sought.
- You must be a U.S. citizen or classified as a permanent resident alien.
- You must not be receiving a scholarship or grant from any state agency outside Georgia during the school year.
- You must be enrolled as a full-time undergraduate student each school term.

SIG awards at Georgia Southern University range from $150 to $450 a year. Awards are not made for summer term. The total number of awards will depend on the amount of funds approved by the Georgia General Assembly for this program.

To apply:

- Complete the FAFSA Application.
General Information

Students must also complete the Georgia Southern University Application for financial aid.

Applications are evaluated on a first-completed, first-served basis as long as funds remain available.

FEDERAL SUPPLEMENTAL EDUCATION OPPORTUNITY GRANT (FSEOG)
The Federal Supplemental Education Opportunity Grant (FSEOG) is a federal program administered by the Financial Aid Department to assist undergraduate students with financial need.

To be eligible:
- You must show substantial financial need by using the FAFSA form.
- You must be eligible for Federal Pell Grant.
- You must be enrolled in an undergraduate course of study or vocational program at least half-time and you must not have a bachelor’s degree.

The average grant amount may range from $100 to $800 a year. The federal funding for this program is usually limited; therefore, many schools deplete this fund rapidly.
- Complete the appropriate need analysis form.
- Complete the school’s application for financial aid.

LOAN PROGRAMS
FEDERAL AND STATE LOAN PROGRAMS
Perkins Loan Program
The Federal Perkins Loan Program is a federal loan program for undergraduate and graduate students administered by the financial aid office at participating post-secondary schools.

Student eligibility is based upon a predetermined awarding formula using available funds.
- You must be enrolled in a participating school.
- You must show financial need.

Maximum Loan Amounts
You may borrow up to:
$4,000 if you are enrolled in a vocational program or if you have completed less than two years of a program leading to a bachelor’s degree.
$15,000 if you are an undergraduate who has already completed two years of study toward a bachelor’s degree. This $15,000 total includes any amount borrowed under the Perkins Loan (NDSL) program for the first two years of study.
$30,000 if you are enrolled in a graduate degree program. This $30,000 total includes any amount borrowed under the Perkins Loan (NDSL) program for undergraduate study.

Repayment Obligation
Repayment begins 9 months after you graduate or leave school. You may be allowed up to 10 years to repay the loan. During the repayment period, you will be charged 5 per cent simple interest on the unpaid balance of the loan principal. The minimum monthly payment is $40.

Application Procedure.
- Complete Georgia Southern’s application for financial aid.
- Complete the FAFSA.

Statement of Rights and Responsibilities Under the Perkins Loan Program: A Federal Perkins Loan is a serious legal obligation. Therefore, it is extremely important that you understand your rights and responsibilities.

1. You must, without exception, report any of the following changes to the Perkins Loan Collections Office, Georgia Southern University, Statesboro, GA 30460, 912/681-5317:
   (a) if you withdrew from school
   (b) if you transfer to another school
   (c) if you drop below half-time enrollment status
   (d) if your name should change (because of marriage, for example)
   (e) if your address, or your parents’ address changes
   (f) If you join military service, Peace Corps, or VISTA

2. When you graduate or withdraw from Georgia Southern University you must arrange for an exit interview by calling 912/681-5317.

3. Your first monthly payment will be due nine months from the time you cease to be a at least a half-time student.
4. Your minimum monthly payment will be at least $40.

5. The annual percentage rate of 5 percent will be the FINANCE CHARGE based on the unpaid balance and will begin to accrue six months after you cease to be enrolled as at least a half-time student.

6. Cancellation will be granted for certain types of elementary or secondary school teaching: for military service in areas of hostilities: for full-time staff members in Head Start: and permanent disability. You also accept the responsibility to inform the school of such status. In the event of death, family members should contact the school.

7. If you enter the military service, Peace Corps, VISTA or comparable tax-exempt organization; full-time active duty in the Commissioned Corps of the U.S. Public Health Service, while temporarily totally disabled; or return to at least half-time study at an institution of higher education, you may request that the payments on your National Direct Student Loan be deferred.

8. If you fail to repay any loan as agreed, the total loan may become due and payable immediately and legal action could be taken against you.

9. You must promptly answer any communication from Georgia Southern University regarding the loan.

10. You may repay at anytime. Future interest payments will be reduced by making such payments.

11. If you cannot make a payment on time, you must contact Georgia Southern University Perkins Loan Office.

12. Your loan history will be reported to a credit bureau at the time of disbursement.

13. When you sign the loan agreement, you authorize Georgia Southern University to contact any school which you may attend to obtain information concerning your student status, year of study, dates of attendance, graduation, or withdrawal, transfer to another school or current address.

Federal PLUS Loan (FPLUS)

FPLUS Loans are educational loans authorized by the Federal Government to help parents and their dependent children meet the costs of higher education. Loans are made primarily by commercial lending institutions: banks, savings institutions, credit unions, and life insurance companies.

The borrower must be the natural parent, adoptive parent, or legal guardian of the dependent student.

For FPLUS loans made prior to 10/1/92, the interest rate was variable determined annually but not to exceed 12% per year. There were provisions that allowed, at the lender's option, for deferments of payments on principal and interest commencing 60 days after receipt of the loan proceeds.

For FPLUS loans with first disbursements on or after 10/1/92, the interest rate is based upon the 52-week T-bill as determined on June 1 of each 12 month period; plus 3.1% not to exceed 10% per year. There is no provision for deferment of payment of principal or interest payments to begin 60 days after disbursement of loan proceeds.

Eligibility Requirements for FPLUS Loans

You are eligible to borrow as a parent if you:

- are a U.S. citizen or non-citizen who can provide evidence of permanent residence status;
- have not defaulted on any Title IV educational loan, or owe no refund on any Title IV educational grant; and
- meet all other FPLUS eligibility requirements prescribed by law at the time your loan application is processed.

The parent is eligible to borrow under the FPLUS Loan program if the student:

- is a U.S. citizen or non-citizen who can provide evidence of permanent residence status and are not attending a foreign school;
- is accepted for enrollment or are enrolled at least half-time at a participating school in a program leading to a degree or certificate (if you are already enrolled, you must be determined by the school to be in good standing and making satisfactory progress.); and
- has not defaulted on any Title IV educational loan, and does not owe a refund on any Title IV educational grant; and
- meets all other Title IV eligibility requirements prescribed by law at the time your loan application is processed.

Maximum Loan Amounts

For loans made prior to 7/1/93, they cannot exceed the estimated cost of attendance less other sources of financial aid as determined by the institution. If eligible the parent may borrow
General Information

up to: $4,000 Maximum amount for each academic year.

$20,000 The total maximum amount of FPLUS loans for any student. (This does not include amounts borrowed under any Federal Stafford Loan Program).

For loans made on or after 7/1/93, the annual loan limit is the cost of attendance minus other aid.

For loans disbursed on or after 10/1/92, proceeds must be either transmitted by electronic fund transfer or a check copayable to the school and the parent borrower. In instances of copayable checks, the check should be mailed to the school first.

Loans disbursed on or after 10/1/92 will have an origination fee of 5% deducted from the net proceeds.

Application Procedures
- Student and parents must complete Free Application for Federal Student Aid.
- Must complete a Georgia Southern Financial Aid Application Form.
- Locate a lending institution that participates in the program and is willing to make the loan. It is recommended that you first contact lenders with whom your family does business.
- These loans are made at the discretion of eligible lending institutions and are guaranteed by public or private agencies. If you are unable to locate a lender who is willing to make the loan to you, contact your school or Georgia Higher Education Assistance Corporation for assistance.
- The lending institution approving your loan will send the application to the appropriate agency for loan guarantee.
- The application deadlines are set by each lending institution. Generally, you should begin the application process two to six months before your expected enrollment date.

Federal Stafford Loan
The Federal Stafford Loan program provides a means for eligible undergraduate and graduate students to borrow funds directly from banks, credit unions, savings and loan associations, or other lenders who voluntarily participate in the program. These loans are guaranteed by either public or private agencies depending upon the lender selected.

Eligibility
- Student must demonstrate financial need for the loan.
- You must be a United States citizen or national, or otherwise meet the requirements prescribed in the Application and Promissory Note for a Federal Stafford Loan.
- Undergraduate students must have applied for and received a determination of eligibility or ineligibility for a Pell Grant.
- Must have completed the appropriate Georgia Southern Financial Aid Form.
- Students must be enrolled at least half-time in or accepted for enrollment at a participating school in a program leading to a degree or certificate. Students already enrolled in school must be determined by the school to be in good standing and making satisfactory progress.
- Students must not be in default on any Title IV loan, nor owe a refund on any federal Title IV grant that you previously received, unless satisfactory arrangements have been made to repay that debt.
- Students must meet all Federal Stafford Loan program eligibility requirements prescribed by law at the time your loan application is processed.
- Students who are in their 1st year of undergraduate program and never had a prior Federal Stafford Loan cannot receive their 1st installment until 30 days after the 1st day of the program of study.

Maximum Loan Amounts
For loans whose first disbursements are made prior to 7/1/93, students may borrow up to:
$2,625 For each of the first two years of academic study at the undergraduate level.
$4,000 For each academic year remaining in the undergraduate level, after the successful completion of the first two years. The total amount of outstanding Federal Stafford Loans for any student cannot exceed $17,250 at the undergraduate level.
$7,500 For each academic year of graduate or professional study. The total amount of outstanding Federal Stafford Loans for any graduate student borrower cannot exceed $54,750, including loans obtained at the undergraduate level.
Students classified as undergraduate in their program fields as follows:
$2,625 For all students classified as grade level 1
$3,500 For all students classified as grade level 2
$5,500 For all other undergraduates classified as above grade level 2; but not graduate level

Students who are graduate level in an approved graduate program:
$7,500 For loans certified prior to 10/1/93
$8,500 For loans certified for periods of enrollment beginning with Winter 1994

Federal Unsubsidized Stafford Loan Program (new)
- The program is open to students who may not qualify for subsidized Federal Stafford Loans or may not have qualified for the full Federal Stafford Loan amount.
- Loans under this program have the same terms and conditions as the subsidized Federal Stafford Loan, except that the borrower is responsible for the interest that accrues during the deferment periods (including in-school) and during the 6 month grace period.
- This program is effective for periods of enrollment that begin after 10/1/92.
- Loan amounts are the same as under the Federal Stafford Loan program, except that in combination of Federal Stafford Loan and Federal Unsubsidized Stafford Loan may not exceed in total, the annual loan limits.

Students may not borrow more than an amount equal to the cost of attendance at your school, minus any other financial aid you receive and minus your expected family contribution.

Before Federal Stafford loan checks are disbursed, students must attend a loan counseling session. After attending one of these sessions students will receive a loan counseling card which they will present to the business office each quarter in order to pick up their check. Students need only attend this session once, unless they lose their loan counseling card. If the card is lost, they will have to attend the session again in order to receive another one. Contact the Financial Aid Office for the dates and times of the counseling sessions.

Repayment Obligation
Repayment is required to begin no later than six months following graduation or termination of at least half-time study. Students must make arrangements with their lender to begin installment payments, including interest at the simple interest rate shown on the loan guarantee and disclosure statement. Borrowers with a loan made on or after July 1, 1988 will have an interest rate of 8 percent per annum during the first 4 years of the repayment period, and 10 percent per annum beginning with the fifth year. Interest rate for new first time borrowers whose first disbursement was made on or after 10/1/92 is a variable rate capped at 8%.

Application Procedure
- Complete the Free Application for Federal Student Aid (FAFSA) and designate the school that is to receive a copy of the results.
- Complete the Georgia Southern Financial Aid Application Form.

State Direct Student Loan/State Sponsored
The State Direct Student Loan program provides service-cancellable loan assistance to Georgia students enrolled in approved fields of study in which personnel shortages exist in the state. (Fields of study and eligibility requirements are subject to change.) The Georgia Finance Authority (GSFA) administers the program as an eligible lender under the Georgia Stafford Loan program. GSFA makes loans to students that are subject to the same eligibility, interest, and repayment requirements as other loans made to students by commercial lenders and guaranteed by GHEAC.

Eligibility
- You must be a legal resident of Georgia as defined by the Georgia Student Finance Authority.
- You must meet at least one or more of the following criteria. There may be additional requirements depending on the field of study:
  (a) Be seeking a cash repayable loan; or
  (b) Be a member of the Georgia National Guard; or
  (c) Be accepted for admission or enrolled in an approved field of study as listed below; or
  (d) Be accepted for admission or enrolled in an approved degree granting teacher training program as listed below:
Approved Fields of Study

UNDERGRADUATE/VOCATIONAL/HOSPITAL
Dental Hygiene
Dietetics
Health Administration
Laboratory Technology
Medical Records Administration
Medical Technology
Nurse Anesthesia
Nursing (AS, BS, Diploma, and LPN)
Occupational Therapy
Pharmacy
Physical Therapy
Physician's Assistant
Radiologic Technology
Respiratory Therapy

GRADUATE AND SPECIALIZED
Anesthesia Technology (Master's Degree)
Dentistry (General)
Dietetics (Master's Degree)
Health Administration (Master's Degree)
Medical Records Administration (Master's Degree)
Nursing (Master's Degree)
Optometry
Physical Therapy (Master's Degree)
Radiologic Technology (Master's Degree)
Respiratory Therapy (Master's Degree)
School Psychology (Master's Degree and 6th Year)
Veterinary Medicine

Approved Teacher Training Programs

UNDERGRADUATE
Agricultural Education
Foreign Language Education
Industrial Arts Education
Mathematics Education, including Middle Grades
Science Education, including Middle Grades
Special Education

GRADUATE
Foreign Language Education
Mathematics Education, including Middle Grades (Master's Degree)
Science Education, including Middle Grades (Master's Degree)
Special Education (Master's Degree)

Maximum Amounts for Service-Cancelable Loans
Service-Cancelable loan amounts are limited due to the large number of loan requests and a limited appropriation of funds for this program. Loan amounts per academic year are as follows:
Average cancelable undergraduate/graduate loan ................................ $2,000
Average cancelable dentistry loan ............................................... $3,500

Maximum Amounts for Cash Loans
Maximum loan limits are the same as in the Stafford Loan program described above.

Repayment Obligation
The repayment obligation for the SDSL is the same as for the Stafford Loan program with the following exception. A student who has received one or more service-cancelable loans may choose to cancel his loan obligation by practicing in an approved Georgia location 12 months for each academic year of assistance. State Direct Student Loans for eligible National Guard members are cancelable by continued membership in the Georgia National Guard.

Application Procedure
- Complete the appropriate need analysis form and designate the school that is to receive a copy of the results.
- Complete the Georgia Application and Promissory Note for a Guaranteed Student Loan (now the Stafford Loan).
- Complete the GSFA State Programs Loan Transmittal Letter.
- Have the school's financial aid officer certify your enrollment or acceptance for admission in an approved field of study.
- For priority consideration, submit applications no later than June 1 for any period of study beginning with the fall term and no later than 30 days prior to the beginning of any subsequent period of study.

Application forms may be obtained from the financial aid office of GSFA-approved schools and from the GSFA office.

Federal Supplemental Loans for Students
Federal Supplemental Loans for Students (FSLS) are educational loans, authorized by the federal government, to help independent stu-
dents meet the costs of higher education. The loan is made primarily by commercial lending institutions: banks, savings institutions, credit unions and life insurance companies.

FSLS Loans provide educational loans to independent undergraduate, graduate and professional students and, in certain circumstances, dependent undergraduate students. Although repayment begins within 60 days of receiving the loan, student borrowers are eligible for a deferment of payment during periods of full-time enrollment. Payment of principal may be deferred, but interest continues to accrue at a variable rate not to exceed 11 per cent per year.

Maximum Loan Amounts
For Federal Supplemental Loans for Students (FSLS) with a disbursement prior to 7/1/83, your loan cannot exceed the estimated cost of attendance less other sources of financial aid, as determined by the school. You may borrow up to:
$4,000 Maximum amount for each academic year.

For Federal Supplemental Loan for Students (FSLS) with a disbursement on or after 7/1/93, the annual loan limits are as follows:
$4,000 For students classified as undergraduate grade levels 1 and 2.
$5,000 For students classified as other undergraduate grade levels.
$10,000 For students accepted in a graduate program.

Aggregate loan limits are:
$23,000 For undergraduate.
$73,000 For undergraduate and graduate combined.

Eligibility Requirements for FSLS Loans
You are eligible to borrow as a student if you:
. have been determined eligible or ineligible for a Federal Stafford Loan and, if eligible for $200 or more, have filed an application for the loan. You must also have applied for and received a determination of Pell Grant eligibility;
. have not defaulted on any Title IV educational loan, and do not owe a refund on any Title IV educational grant; and
. meet all other FSLS eligibility requirements prescribed by law at the time your loan application is processed, and you have not already borrowed the maximum amount the FSLS program allows.

Application Procedures
. Complete the FASFA need analysis process.
. Complete the appropriate Georgia Southern Financial Aid application form.
. Complete a FSLS Loan Application and Promissory Note.
. Submit the completed application to the Financial Aid Department.
. The completed application will be certified by the Financial Aid Department and returned to the borrower.
. Locate a lending institution that participates in the program and is willing to make the loan. It is recommended that you first contact lenders with whom your family does business. These loans are made at the discretion of eligible lending institutions and are guaranteed by a state or private agency. If you are unable to locate a lender who is willing to make the loan to you, contact the Financial Aid Office for assistance.
. The lending institution approving your loan will send the application to the appropriate agency for loan guarantee.
. The application deadlines are sent by each lending institution. Generally, you should begin the application process two to six months before your expected enrollment date.

Other Loan Programs
Ben A. Deal Loan Fund - Established by Dr. John D. Deal in memory of his father. Loans from the fund are made to junior or senior pre-medical or pre-dental students and do not exceed $600 per academic year. Repayment begins nine months after the borrower ceases to be at least a half-time student. Interest is six per cent and shall accrue from the beginning of the repayment period. contact: Financial Aid
SCHOLARSHIP PROGRAMS
A large number of academic scholarships are available to Georgia Southern University students. Criteria for selection most often include academic promise/standing, related activities, personal recommendations and financial need. Scholarship programs are managed by different areas within the university. To obtain more information on a specific scholarship, contact the department or program that administers the specific scholarship program. The contact address and/or phone number of follows each scholarship description. Scholarships are listed alphabetically under the appropriate program headings.

ALL AREAS
* +Bette B. Anderson Scholarship - This scholarship was established by Ms. Anderson to recognize, recruit and assist outstanding undergraduate students. Criteria for selection include full-time enrollment, academic standing, personal character, relevant extracurricular activities, and motivating interests. Application is open to students majoring in any field, at any undergraduate class level. Recipients selected by Georgia Southern University Scholarship Committee. Contact: Scholarship Coordinator, Financial Aid Department, L.B. 8065, (912) 681-0426.

* +Association of Georgia Southern Women Scholarship - This scholarship was established for needy, deserving, nontraditional female students. Criteria for selection include 3/4 time enrollment (10 credit hours) or greater, demonstrated financial need, 3.0 grade point average, and must be 25 or older. Application is open to students majoring in any field, at any undergraduate class level. Recipients selected by Georgia Southern University Scholarship Committee. Contact: Scholarship Coordinator, Financial Aid Department, L.B. 8065, (912) 681-0426.

+ Bell Honors Program Scholarship - This scholarship program was established by Orell Bernard Bell and Sue Louise Floyd Bell to promote a challenging and innovative interdisciplinary core curriculum program for exceptionally able, creative and motivated students. Recipients are selected from eligible high school seniors entering Georgia Southern during fall quarter. Criteria for selection include outstanding-
ing SAT or ACT scores, high school academic records, academic promise and creativity. Finalists are asked to attend a personal interview with members of the programs Honor Council. Contact: Honors Program Director, Dr. Hew Joiner, L.B. 8054, (912) 681-5586.

* + Bruno/Piggly Wiggly Southern Employee Scholarship - This scholarship was established as an expression of commitment to the employees of Bruno’s, Inc. and Piggly Wiggly Southern Inc. The purpose of the scholarship is to recognize, recruit and assist outstanding students. Criteria for selection include full-time enrollment, academic standing, personal character, relevant extracurricular activities and motivating interests. Only Georgia residents or residents of Aiken County, South Carolina are eligible. Application is open to students majoring in any field at any undergraduate class level. Recipients selected by Georgia Southern University Scholarship Committee. Contact: Scholarship Coordinator, Financial Aid Department, L.B. 8065, (912) 681-0426.

* + Glynn E. Bryant Scholarship - This scholarship was established in 1981 by State Senator Glynn E. Bryant to recognize and assist outstanding students. Criteria for selection include full-time enrollment, academic standing, personal character, relevant extracurricular activities and motivating interests. Application is open to students majoring in any field at any undergraduate or graduate level. Recipients selected by Georgia Southern University Scholarship Committee. Contact: Scholarship Coordinator, Financial Aid Department, L.B. 8065, (912) 681-0426.

Bulloch Lions Club Georgia Southern Scholarship - This scholarship was established to recognize Bulloch County public school graduates who have demonstrated superior academic achievement and outstanding service in school and community activities. Applicants must be freshmen at Georgia Southern who have not or will not receive any other scholarship or form of financial aid other than the Pell Grant. Contact: Applications are available from high school counselors in the Bulloch County public schools.

Janie Bird Burdett and Gideon T. Burdett Scholarship - This scholarship was established by Susan Elizabeth Burdett in 1976 as a memorial to her parents. Criteria for selection include character, scholarship and financial need. Applicants must be blood relatives of Janie Bird Burdett and/or Gideon T. Burdett. If and when no relatives are identified, those scholarships may be awarded to any deserving student on the basis of character, scholarship and need. For application information, contact: Scholarship Coordinator, Financial Aid Department, L.B. 8065, (912) 681-0426.

Robert C. Byrd Scholarship Program - The Robert C. Byrd Scholarship Program is available to students who demonstrate outstanding academic achievement. The purpose of this program is to promote student excellence and achievement and to recognize exceptionally able students who show promise of continued excellence. The individuals awarded scholarships are known as Byrd Scholars and receive a stipend of $1,500 for the academic year.

To be eligible, a student must be enrolled in or accepted for enrollment at an institution of higher education. Ten Individuals will be selected from applicants from each of ten congressional districts in the state. For additional information, contact: State Department of Education 2066 Twin Towers East, Atlanta, GA 30334 Telephone: (404) 656-5812.

* + Ting Shan Chu Scholarship - This scholarship was established by family members in memory of Tybee Island businessmen and community leader Mr. T. S. Chu. Criteria for selection include full-time enrollment, academic standing, personal character, relevant extracurricular activities and motivating interests. Application is open to students majoring in any field at any undergraduate or graduate level. Recipients selected by Georgia Southern University Scholarship Committee. Contact: Scholarship Coordinator, Financial Aid Department, L.B. 8065, (912) 681-0426.

Ty Cobb Educational Foundation Scholarship - Established by the late Tyrus R. Cobb for the purpose of assisting capable, deserving and needy students in Georgia. To be eligible a student must (1) be an undergraduate, unmarried resident of Georgia, (2) have completed at least one year of work at an accredited college with a 3.0 average or better and (3) furnish the Foundation with letters of recommendation, a photograph, parents' financial statement and a
This scholarship is open to general college graduate or graduate students following any field. Recipients selected by Georgia Scholarship Coordinator, Financial Aid Department, L.B. 8065, (912) 681-0426.

- +Coleman Sales, Inc. Scholarship - Established in 1983 by Coleman Sales, Inc., to recognize and assist outstanding students from the following counties: Appling, Bryan, Bulloch, Candler, Emanuel, Evans, Jeff Davis, Johnson, Laurens, Montgomery, Tattnall, Toombs, Treutlen and Wheeler. Criteria for selection include full-time enrollment, academic standing, personal character, relevant extracurricular activities and motivating interests. Application is open to students majoring in any field at any undergraduate or graduate class level. Recipients selected by Georgia Scholarship Coordinator, Financial Aid Department, L.B. 8065, (912) 681-0426.

- +Rob Daniel Memorial Scholarship - Established in 1989 by family and friends in memory of Mr. Rob Daniel, a Georgia Southern freshman who graduated from Statesboro High School. Criteria for selection include academic standing, athletic ability, personal character and extracurricular activities. Contact: Athletic Administration, Landrum Box 8115, (912) 681-5376.

- +Chester McArthur Destler Scholarship - This scholarship was established as a memorial to the outstanding career of Dr. Destler, former Professor of History at Georgia Southern. Criteria for selection include full-time enrollment, academic standing, personal character, relevant extracurricular activities and motivating interests. Application is open to students majoring in any field at any undergraduate or graduate class level. Recipients selected by Georgia Southern University Scholarship Committee. Contact: Scholarship Coordinator, Financial Aid Department, L.B. 8065, (912) 681-0426.

- +Alfred and Willie M. Dorman Scholarship - This scholarship was established to provide recognition and financial assistance to outstanding students. Criteria for selection include full-time enrollment, academic standing, personal character, relevant extracurricular activities and motivating interest. Application is open to students majoring in any field at any undergraduate or graduate class level. Recipients selected by Georgia Southern University Scholarship Committee. Contact: Scholarship Coordinator, Financial Aid Department, L.B. 8065, (912) 681-0426.

- +John O. Eldson Scholarship - This scholarship was established to honor former Vice Chancellor of the University System of Georgia and Georgia Southern President (1968-1971), John O. Eldson, Criteria for selection include full-time enrollment, high school gpa, SAT scores, personal character, relevant extracurricular activities and motivating interest. Open to beginning freshmen only. National Merit Semifinalists will receive preference. Application is open to students majoring in any field. Recipients selected by Georgia Southern University Scholarship Committee. Contact: Scholarship Coordinator, Financial Aid Department, L.B. 8065, (912) 681-0426.

- +Farmers and Merchants Bank of Sylvania Scholarship - This scholarship was established to recognize and assist outstanding Georgia Southern students from Screven County. Criteria for selection include full-time enrollment, academic standing, personal character, relevant extracurricular activities and motivating interests. Application is open to students majoring in any field, at any undergraduate or graduate class level. Recipients selected by Georgia Southern University Scholarship Committee. Contact: Scholarship Coordinator, Financial Aid Department, L.B. 8065, (912) 681-0426.

- +To apply for this award, the applicant should complete the Georgia Southern University "General Scholarship Application". Program funded through private donations to the Georgia Southern University Foundation, Inc.

Governor's Scholarship Program
The Governor's Scholarship Program recognizes and financially assists graduating Georgia high school seniors of exceptional merit who choose to attend an eligible college or university located in Georgia.

Eligibility
To be eligible to receive a Governor's Scholarship, students must:
- Be selected by the Georgia Department of Education as a Georgia Scholar;
- Be enrolled or accepted for enrollment as a full-time freshman student at an eligible college or university located in Georgia within seven months following graduation from a
public or private high school in Georgia:
- Be a legal resident of Georgia for a minimum of 12 consecutive months immediately preceding the first date of registration;
- Not be receiving non-repayable federal, state, college, university, or privately funded scholarship and grant aid that totals more than your school budget.

Award Amount
The award is equal to the amount of tuition cost, up to a maximum of $1,461 per academic year. Subject to the availability of funds and the continued eligibility of the recipient, the scholarship may be renewed for three academic years. It may not be made nor used for study beyond the baccalaureate degree level.

Application Procedure
- Students chosen as a Georgia Scholars will automatically be furnished with an application for the Governor's Scholarship.
- Students must file the application within 30 days in order to receive priority consideration.
- The Georgia Student Finance Authority will obtain information from the eligible college or university you plan to attend regarding enrollment status, school budget, and other non-repayable scholarship and grant aid approved for you.
- The Georgia Student Finance Authority will notify you if you qualify for an award and the amount of that award.

For more information contact the Georgia Student Finance Authority, 2082 East Exchange Place, Suite 200, Tucker, Georgia 30084

* + Walter Harrison Scholarship - Established in 1985 to honor the career and services of civil leader Walter Harrison (1899-1985), pioneer of Georgia's rural electrification program. Criteria for selection include academic standing, personal character and extracurricular activities. Applicants should have a sincere interest in returning to rural Georgia to live and work. Recipients selected by Georgia Southern University Scholarship Committee. Contact: Scholarship Coordinator, Office of Financial Aid, L.B. 8065, (912) 681-0462.

* + Sally Janese Hendrix Memorial Scholarship - Established by Crawford and Jane Hendrix in memory of their daughter Janese, a Georgia Southern freshman who graduated from Southeast Bulloch High School. Criteria for selection include academic standing, personal character and extracurricular activities. Application is open to Southeast Bulloch High School seniors planning to enter Georgia Southern University. Contact: Southeast Bulloch High School Counselors.

* + Clara Lois Hodges Memorial Scholarship - Established by the sister and brothers of Clara Lois Hodges to recognize and assist outstanding students from the Claxton-Evans County High School who plan to attend Georgia Southern University. Criteria for selection include full-time enrollment, academic standing, personal character, relevant extracurricular activities and motivating interests. The scholarship awarded by the Claxton-Evans County High School Scholarship Committee. Contact: Scholarship Committee at Claxton-Evans County High School.

* + Caro Lane Scholarship - Established by appreciative students in honor of Miss Caro Lane, a Georgia Southern teacher (1932-1936) whose life and generosity have been devoted to promoting standards of excellence in the field of health and physical education. Criteria for selection include full-time enrollment, academic standing, personal character, relevant extracurricular activities and motivating interests. Application is open to students majoring in any field, at any undergraduate or graduate class level. Recipients selected by Georgia Southern University Scholarship Committee. Contact: Scholarship Coordinator, Office of Financial Aid, L.B. 8065, (912) 681-0426.
• + Helen Thackston Lewis Scholarship - Established by family members and friends as a memorial tribute to Helen Thackston Lewis. Criteria for selection include full-time enrollment, academic standing, personal character, relevant extracurricular activities and motivating interests. Application is open to students majoring in any field, at any undergraduate or graduate class level. Recipients selected by Georgia Southern University Scholarship Committee. Contact: Scholarship Coordinator, Office of Financial Aid, L.B. 8065, (912) 681-0426.

National Achievement Scholarship - The National Achievement Scholarship program was established for outstanding black students who qualify on the PSAT and NMSQT as in the national Merit Scholarship program. Additional information may be obtained from high school guidance counselors.

National Merit Scholarship - The National Merit Scholarship program is an annual competition for college undergraduate scholarships that is open to students who are U.S. citizens and who qualify on the Preliminary Scholastic Aptitude Test and the National Merit Scholarship Qualifying Test. Further information may be obtained from high school guidance counselors.

Regents Scholarship - Established by the Board of Regents of the University System of Georgia, these scholarships are made available to Georgia residents who have demonstrated superior academic performance. Scholarship recipients repay their scholarship awards by working in the State of Georgia one year for each $1,000 received (or in cash at three percent interest). Criteria for selection include proof of Georgia residency, full-time enrollment (or acceptance for admission) at Georgia Southern University and a GPA (or predicted GPA) which places the applicant in the upper 25 percent of his/her class (For beginning freshmen, the predicted grade point average is based on high school grades and SAT scores). Application is open to students majoring in any field, at any undergraduate or graduate class level. Contact: Scholarship Coordinator, Office of Financial Aid, L.B. 8065, (912) 681-0426.

• + Sea Island Bank Scholarship - Established by the Board of Directors of Sea Island Bank of Statesboro, GA. Criteria for selection include full-time enrollment, academic standing, personal character, relevant extracurricular activities and motivating interests. Application is open to students majoring in any field, at any undergraduate or graduate class level. Recipients selected by Georgia Southern University Scholarship Committee. Contact: Scholarship Coordinator, Office of Financial Aid, L.B. 8065, (912) 681-0426.

• + Southern Greek Housing Scholarship - Established by the Southern Greek Housing Corporation to recognize junior and senior level students who have demonstrated their ability by participating in activities while maintaining a high academic standing. Two scholarships are available each quarter during the academic year. Criteria for selection include junior or senior level standing, minimum GPA of 3.0 and at least 24 course credit hours from Georgia Southern. Recipient selected by Georgia Southern University Scholarship Committee. Contact: Scholarship Coordinator, Office of Financial Aid, L.B. 8065, (912) 681-0426.

+ Student Government Association (SGA) Scholarship - Established by the Student Government Association at Georgia Southern to recognize outstanding rising seniors. Criteria for selection include 3.0 GPA, rising senior status and relevant extracurricular activities. Applicants may be considered either by nomination from faculty, staff and students or by individual application. Contact: Student Government Association, L.B. 8094, (912) 681-5631.

* + Ben G. Waller/Kiwanis Scholarship - Established by the Statesboro Kiwanis Club. Criteria for selection include full-time enrollment, academic standing, personal character, relevant extracurricular activities and motivating interests. Application is open to students majoring in any field at any undergraduate or graduate class level. Recipients selected by Georgia Southern University Scholarship Committee. Contact: Scholarship Coordinator, Office of Financial Aid, L.B. 8065, (912) 681-0426.

+ Washington County Scholarship - Established in 1988 by the Washington County Chamber of Commerce. The purpose of the scholarship is to provide recognition and assistance to students graduating from Washington County schools (public and private). Criteria for selection include academic standing and financial need. Contact Mr. Jimmy Childre, P.O. Box
Established to enroll students whose major emphasis is agribusiness or an area relating to nature conservation. Contact: Dr. Paul Dixon, L.B. 8131, (912) 681-5301.

+ Cap Mallard Award - Established in 1989 to recognize outstanding students majoring in agribusiness. Criteria for selection include full-time enrollment, academic standing, personal character, relevant extracurricular activities and motivating interests. Application is open to senior level undergraduate students whose major emphasis is agribusiness or an area relating to nature conservation. Awarded to the applicant with the highest GPA. Contact: Dr. Paul Dixon, L.B. 8131, (912) 681-5301.

Army ROTC

Army ROTC Scholarships - Available to students accepted into the Army ROTC Program at GSU. Criteria for selection include academic achievement, leadership potential and the "whole person" concept. The program offers both 2-year and 3-year scholarship awards. Scholarships pay for tuition, books and college fees (except room and board). Contact: Department of Military Science, L.B. 8000, (912) 681-5320.

+ Bothwell A. Johnson ROTC Scholarship - This fund was established by family and friends to honor the memory of "Snag" Johnson, a Georgia Southern graduate who posted nearly 33 years of duty in both the federal and state military service. Criteria for selection include full-time enrollment, acceptance to the GSU Army ROTC Program and direct interest in military training towards a commission in the United States Army. Application is open to students majoring in any field, at any undergraduate class level. Contact: Department of Military Science, L.B. 8000, (912) 681-5320.

Art

+ Lamar Dodd Scholarship - Established to honor the career and services of Lamar Dodd, Regents' Professor of Art, former Head of the University of Georgia Art Department, and former Chairman of the Fine Arts Division of the University of Georgia. Criteria for selection include full-time enrollment, academic standing, personal character, relevant extracurricular activities and motivating interests. Application is open to undergraduate students majoring in
the fine arts. Contact: Department of Art, L.B. 8032, (912) 681-5358.

- Betty Foy Sanders Scholarship - Established to recognize and assist outstanding students majoring in the fine arts. Criteria for selection include full-time enrollment, academic standing, personal character, relevant extracurricular activities and motivating interests. Application is open to students at any undergraduate class level. Contact: Department of Art, L.B. 8032, (912) 681-5358.

Building Construction and Contracting
- Associated Builders and Contractors of Georgia Scholarship - Established in 1989 to recognize and assist outstanding students in the building construction program. Recipients selected by the Building Construction Scholarship Committee. Contact: Department of Industrial Technology, L.B. 8044, (912) 681-5111.

- Statesboro Homebuilders Association Scholarship - Established by the Statesboro Homebuilders Association to recognize and assist outstanding students who have a genuine vocational or professional interest in the home building industry. Students majoring in Building Construction and Contracting, Home Furnishing and Interior Design or Industrial Arts are eligible to apply. Criteria for selection include academic standing and financial need. Contact: Department of Industrial Technology, L.B. 8044, (912) 681-5111.

Business Scholarships
- Orell Bernard Bell and Sue Louise Floyd Bell Scholarship - Established in 1981 by O. B. and Sue Bell to recognize and assist outstanding students majoring in any field of business. Criteria for selection include full-time enrollment, academic standing, personal character, relevant extracurricular activities and motivating interests. Application is open to students at any undergraduate or graduate class level. Recipients selected by School of Business Scholarship Committee. Contact: Dean’s Office, Business School, L.B. 8002 (912)-681-5106.

- Veronica Davis Derst Scholarship - This scholarship was established in 1984 by the Derst Baking Company to honor Ms. Veronica Davis Derst. The purpose of the fund is to recognize and assist students majoring in any field of business. Criteria for selection include full-time enrollment, academic standing, personal character, relevant extracurricular activities and motivating interests. Application is open to students at any undergraduate class level. Recipients selected by Georgia Southern University Scholarship Committee. Contact: Scholarship Coordinator, Office of Financial Aid, L.B. 8065, (912) 681-0426.

- Lawrence Patrick Rourke Memorial Scholarship - This scholarship was established in 1986 by Mr. and Mrs. John Rourke to honor the memory of their son, Lawrence Patrick Rourke. The purpose of the fund is to recognize and assist students majoring in any field of business. Criteria for selection include full-time enrollment, academic standing, personal character, relevant extracurricular activities and motivating interests. Application is open to students at any undergraduate class level. Recipients selected by Georgia Southern University Scholarship Committee. Contact: Scholarship Coordinator, Office of Financial Aid, L.B. 8065, (912) 681-0426.

Communication Arts
- Dorothy Lee Scholarship - Established in 1988 to honor the former Director (1953-1959) of Georgia Southern’s student performance troupe, Ms. Dorothy Few Lee. Ms. Lee taught speech at Georgia Southern from 1953 to 1981 and directed over 20 productions during her 6 years as leader of the drama troupe. The purpose of the scholarship is to recruit qualified students for Theatre South Productions. Criteria for selection include full-time enrollment, academic standing, personal character, relevant extracurricular activities and financial need. Application is open to students majoring in theatre at any undergraduate or graduate class level. Recipients selected by the Communication Arts Department faculty members. Contact: Communication Arts Department, L.B. 8091, (912) 681-5138.

- H. K. Porter - Wise Scholarship - Established to recognize and assist theatre participants from the University’s drama troupe, Theatre South. One scholarship is awarded annually. Application is open to all Theatre South participants. Contact: Communication Arts Department, L.B. 8091, (912) 681-5138.
Theatre South Scholarship - Established to recognize and assist theater participants from the university's drama troupe, Theatre South. One scholarship is awarded each quarter during the regular academic year. Application is open to all Theatre South participants. Contact: Communication Arts Department, L.B. 8091, (912) 681-5138.

* + Tommy Thompson Scholarship - This scholarship was established in 1988 to honor the services and career of former Savannah television and radio executive, Meredith E. "Tommy" Thompson. The purpose of the fund is to recognize and assist students majoring in Communication Arts with an emphasis in Broadcasting. Criteria for selection include full-time enrollment, academic standing, personal character, relevant extracurricular activities and motivating interests. Application is open to Broadcasting students at any undergraduate class level. Recipients selected by the broadcasting faculty of the Department of Communication Arts. Contact: Communication Arts Department, L.B. 8091, (912) 681-5138.

Education
Paul Douglas Teacher Scholarship Program - The Paul Douglas Teacher Scholarship program was established by the federal government to encourage outstanding high school graduates to pursue teaching careers at the pre-school, elementary or secondary level by offering scholarship assistance. The Georgia Student Finance Authority administers the program in Georgia.

Among other eligibility criteria, applicants must have graduated in the top 10 percent of their high school graduating class. In addition, applicants who are classified as sophomores or higher level students must have a minimum 3.0 cumulative GPA on a 4.0 scale. Priority consideration is given to students in the critical teaching fields.

This program is not based on financial need. After completing their education, recipients are expected to teach for a specific number of years or repay the total amount received plus interest. For more information, contact the Georgia Student Finance Authority, 2082 East Exchange Place, Suite 200 Tucker, Georgia 30084.

+ Kate Scott Fetzer Scholarship - Established to honor Kate Scott Fetzer (1905-1979), a 1928 Georgia Southern alumna, who taught in the public schools of Georgia for nearly half a century. The purpose of the scholarship is to assist in-service public school teachers in pursuing graduate training during Summer Quarters. Criteria for selection include applicants dedication to teaching, recommendations, and number of years in the teaching profession. Preference given to applicants teaching in the public school systems of Screven or Effingham counties. Application is open to those in-service teachers who meet the following criteria: applicants must be Georgia residents, must be regularly admitted graduate students, must be pursuing a graduate degree in education and must hold current state teacher certification at the time of application. Recipients selected by Georgia Southern University Scholarship Committee. Contact: Scholarship Coordinator, Financial Aid Department, L.B. 8085, (912) 681-0426.

* + Zach S. Henderson Scholarship - Established to honor the career and contributions of Zach Saddath Henderson (1902-1985). A leader in statewide education, civic and church affairs, Dr. Henderson served 41 years as Dean and President of Georgia Teachers College (Georgia Southern University). The purpose of the scholarship is to recruit, recognize, and assist outstanding students majoring in education. Criteria for selection include full-time enrollment, academic standing, personal character, relevant extracurricular activities and motivating interests. Those receiving the award are encouraged to teach in Georgia after graduation. Application is open to junior level education students. Recipients selected by the Georgia Southern University Scholarship Committee. Contact: Scholarship Coordinator, Financial Aid Department, L.B. 8085, (912) 681-0426.

Charles McDaniel Teacher Scholarship - The Charles McDaniel Teacher Scholarship Fund was established by the friends and family of Dr. Charles McDaniel, in memory and honor of his contributions as State Superintendent of Schools for the State of Georgia. The purpose of the program is to recognize and financially assist outstanding college junior or senior level students who were Georgia public high school graduates and are now pursuing teaching
degrees at public colleges or universities in Georgia. Among other eligibility criteria, a student must have attained a cumulative college GPA, at the time of entrance into the college or Department of Education, of at least 3.25 on a 4.0 scale.

The number of scholarship awards that may be made in any year, and the dollar amount of each award, is dependent upon funds available from the scholarship fund at the time. The award may not exceed the cost of tuition and fees. The Department of Education Chairman or designee at each of the Georgia public colleges or universities that offer teaching degrees may nominate one student each year from the pool of nominees. The Georgia Student Finance Authority will select the recipients.

For additional information, contact the Georgia Student Finance Authority, 2062 East Exchange Place, Suite 200, Tucker, Georgia 30084.

* + Earl and Nora Million Scholarship - Established in 1981 by Marion E. and Erma M. Million to serve as a memorial to Earl and Nora Million whose lives and careers exemplified the highest standards of academic achievement and service to humanity. Criteria for selection include full-time enrollment, academic standing (3.0 GPA), personal character, relevant extracurricular activities, motivating interests and financial need. Application is open to undergraduate level education students. Recipients selected by the Georgia Southern University Scholarship Committee. Contact: Scholarship Coordinator, Financial Aid Department, L.B. 8065, (912) 681-0428.

* + Minority Teacher Recruitment Scholarship - Established in 1989 to promote the recruitment of minorities into the teaching profession. Criteria for selection include full-time enrollment, academic standing, leadership abilities and potential for success in the teaching field. Recipients selected by the School of Education Scholarship Committee. Contact: School of Education, L.B. 8013, (912) 681-5648.

* + Ann Waters Ramsey Scholarship - Established in 1982 by Mr. Talmadge Holmes Ramsey, Sr. to honor the memory of his mother who, in 1908, was the first female student to attend the First District Agricultural and Mechanical School (now Georgia Southern University).

The purpose of the scholarship is to recognize and assist outstanding students who have been accepted by the School of Education. Criteria for selection include full-time enrollment, academic standing, personal character, relevant extracurricular activities and motivating interests. Application is open to students in any major at any undergraduate or graduate level within the School of Education. Recipients selected by the Georgia Southern University Scholarship Committee. Contact: Scholarship Coordinator, Financial Aid Department, L.B. 8065, (912) 681-0426.

* + School of Education Memorial Scholarship - This scholarship was established in 1986 by the School of Education in memory of those who have served Georgia Southern University and the field of Education. The purpose of the scholarship is to provide recognition and assistance to students in the School of Education. Criteria for selection include full-time enrollment, academic standing (3.5 GPA), must have attended Georgia Southern University for a minimum of one year, personal character, relevant extracurricular activities and commitment to teaching. Application is open to students accepted into any major at any undergraduate or graduate level within the School of Education. Recipients selected by the Georgia Southern University Scholarship Committee. Contact: Scholarship Coordinator, Financial Aid Department, L.B. 8065, (912) 681-0426.

English

* + Woody Powell Scholarship - This scholarship was established in memory of Dr. Woodrow W. Powell, an outstanding Georgia Southern faculty member and community leader. The purpose of the scholarship is recognize and assist worthy and qualified students majoring in English and Literature at Georgia Southern University. Criteria for selection include full-time enrollment, academic standing, personal character and relevant extracurricular activities. Application is open to students majoring in English or Literature at any undergraduate or graduate level. Recipients selected by the Department of English and Philosophy Scholarship Committee and representatives from Woody's Sharing Group. Contact: Department of English and Philosophy, L.B. 8023, (912) 681-5471.
Finance and Economics

+ Al Burke Banking Award - Established 1983 through the generous support of local banker and community leader M. Albert Burke. Presented to an outstanding student majoring in Finance with an emphasis in Banking. Criteria for selection include full-time enrollment, academic standing, personal character, relevant extracurricular activities and motivating interests. Recipients selected by the Department of Finance and Economics. Contact: Department of Finance and Economics, L.B. 8151, (912) 681-5161.

+ Georgia 1752 Club Insurance Scholarship - Established to recognize and assist outstanding students who have taken at least two insurance or insurance-related courses at Georgia Southern University. Criteria for selection include full-time enrollment, academic standing, personal character, relevant extracurricular activities and motivating interests. Recipients selected by the Department of Finance and Economics. Scholarship may be awarded at any time during the academic year. Contact: Department of Finance and Economics, L.B. 8151, (912) 681-5161.

+ W.W. "Buzz" Hankinson Award - Established in 1989 by The New England Financial Group of Atlanta to honor the career and services of W.W. "Buzz" Hankinson, financial planning consultant and 1986 Georgia Southern School of Business "Alumnus of the Year". Criteria for selection include academic standing, personal character, relevant extracurricular activities and motivating interests. Recipients selected by the Department of Finance and Economics. Scholarship may be awarded at any time during the academic year. Contact: Department of Finance and Economics, L.B. 8151, (912) 681-5161.

+ Southeastern Insurance Managers Association Award - Established to recognize and assist outstanding students whose emphasis lies in insurance and risk management. Criteria for selection include full-time enrollment, academic standing, personal character, relevant extracurricular activities and motivating interests. Recipients selected by the Department of Finance and Economics. Scholarship may be awarded at any time during the academic year. Contact: Department of Finance and Economics, L.B. 8151, (912) 681-5161.

Geology

+ H. Stanley Hanson Scholarship - This scholarship is established by the Department of Geology and Geography at Georgia Southern University to honor the career and services of Department Head Dr. H. Stanley Hanson. The purpose of the scholarship is to provide a program by which outstanding geology students can be recruited, recognized and assisted. Criteria for selection include full-time enrollment, academic standing, personal character, relevant extracurricular activities and motivating interests. Application open to students majoring in Geology at any undergraduate or graduate class level. Recipients selected by the Department of Geology and Geography Scholarship Committee. Contact: Department of Geology and Geography, L.B. 8149, (912) 681-5361.

History

+ Maxann Foy Scholarship - Established by family members in memory of Maxann Foy, Statesboro community leader and longtime history teacher. The purpose of the scholarship is to provide a program by which outstanding students in the field of History may be recruited, recognized and assisted. Criteria for selection include full-time enrollment, academic standing, personal character, relevant extracurricular activities and motivating interests. Application open to students majoring in History at any undergraduate or graduate class level. Recipients selected by the Department of History Scholarship Committee. Contact: Department of History, L.B. 8054, (912) 681-5586.

+ Max O'Neal Scholarship - Established by the Department of History in 1985 as a memorial to Max O'Neal, who graduated with degrees in history from Georgia Southern University. Criteria for selection include full-time enrollment, academic standing, personal character, relevant extracurricular activities and motivating interests. Application open to students majoring in History at any graduate class level. Recipients selected by the Department of History Scholarship Committee. Contact: Department of History, L.B. 8054, (912) 681-5586.

+ George A. Rogers, Jr. History Scholarship - Established in 1983 to honor Dr. George A. Rogers, Professor Emeritus of History at Georgia Southern, who is well known as an outstanding teacher and researcher. Dr. Rogers served on the faculty of Georgia Southern for
Established Information

Over 32 years. Criteria for selection include full-time enrollment, academic standing, personal character, relevant extracurricular activities and motivating interests. Application open to students majoring in History at any undergraduate or graduate class level. Recipients selected by the Department of History Scholarship Committee. Contact: Department of History, L.B. 8054, (912) 681-5586.

+ Michael E. Shaw Scholarship - Established in 1985 as a memorial to the late Dr. Michael E. Shaw, a member of the history faculty at Georgia Southern University. Criteria for selection include full-time enrollment, academic standing, personal character, relevant extracurricular activities and motivating interests. Application open to students majoring in History at any undergraduate or graduate class level. Recipients selected by the Department of History Scholarship Committee. Contact: Department of History, L.B. 8054, (912) 681-5586.

+ Julia Floyd Smith Scholarship in History for Women - Established in 1985 to honor the career and services of Dr. Julia Floyd Smith, Professor Emerita of History. The purpose of the scholarship is to recognize and assist outstanding women students majoring in history. Criteria for selection include full-time enrollment, academic standing (3.0 GPA), personal character, relevant extracurricular activities and motivating interests. Application open to women students majoring in History at any undergraduate or graduate class level. Recipients selected by the Department of History Scholarship Committee. Contact: Department of History, L.B. 8054, (912) 681-5586.

Home Economics

+ Home Economics Scholarship - Established in 1986 to recognize and assist outstanding students majoring in Home Economics. Criteria for selection include full-time enrollment, academic standing, professional involvement and financial need. Application open to students majoring in Home Economics at any undergraduate or graduate class level. Recipients selected by the faculty of the Department of Home Economics. Contact: Department of Home Economics, L.B. 8034, (912) 681-5345.

+ Betty Lane Home Economics Scholarship - Established in 1986 to honor the career and services of Dr. Betty Lane, Professor Emerita and Chairman Emerita of the Division of Home Economics. The purpose of the scholarship is to recognize and assist outstanding students majoring in Home Economics. Criteria for selection include full-time enrollment, academic standing, professional involvement and financial need. Application open to students majoring in Home Economics at any undergraduate or graduate class level. Recipients selected by the faculty of the Department of Home Economics. Contact: Department of Home Economics, L.B. 8034, (912) 681-5345.

+ Rita Waters Scholarship - Established by the Georgia Nutrition Council in memory of former Extension Nutritionist Rita Waters. Students who are Georgia residents with major interest in the area of Food and Nutrition are eligible to apply. Application open to currently enrolled junior, senior and graduate level students. Contact: Department of Home Economics, L.B. 8034, (912) 681-5345.

Marketing

+ Lewis F. Gordon Scholarship - Established by the Sales and Marketing Executives Club of Atlanta. The purpose of the Scholarship is to recognize and assist students interested in pursuing a career in marketing, sales, or sales management. Criteria for selection include academic standing (3.0 GPA or better), financial need and relevant extracurricular activities. Application open to students majoring in Business at any undergraduate or graduate class level. Contact: Department of Marketing, L.B. 8154, (912) 6815555.

Music

+ Band Scholarships - Available to any Georgia Southern student wishing to play in the Marching Band, Symphonic Band, or Jazz Band. Scholarship awards and amounts are determined by the skill of the applicant and the current needs of the individual band organization. A brief performance audition for the Director of the specific band may be required of all band scholarship applicants. Contact: Department of Music, L.B. 8052, (912) 681-5396.

+ William J. Deal Memorial Scholarship - Established in 1982 to continue the high standards of music education and musical performance to which Dr. Deal's efforts were devoted. The criteria for selection include full-time enrollment, academic standing, relevant extracurricular activities and musical potential. Application open to students majoring in Music at any undergraduate or graduate class level. Contact: Department of Music, L.B. 8052, (912) 681-5396.

Dee J. Deal Scholarship - Established in 1982 to support the music education and musical performance to which Dr. Deal's efforts were devoted. The criteria for selection include full-time enrollment, academic standing, relevant extracurricular activities and musical potential. Application open to students majoring in Music at any undergraduate or graduate class level. Contact: Department of Music, L.B. 8052, (912) 681-5396.
ricular activities and dedication to the highest standards of musical performance. Application open to students majoring in Music at any undergraduate class level. Recipients selected by the faculty of the Department of Music. Contact: Department of Music, L.B. 8052, (912) 681-5396.

+ Georgia Southern University Foundation Music Scholarship - Established to recognize and assist Georgia Southern University’s outstanding music students. Performance auditions are required of all applicants. Application open to students majoring in Music at any undergraduate class level. Recipients selected by the faculty of the Department of Music. Contact: Department of Music, L.B. 8052, (912) 681-5396.

+ T.J. Morris Company Music Scholarship - Established in 1982 through the generous support of the Morris family and the T.J. Morris Company. The purpose of the scholarship is to recognize and assist Georgia Southern University’s outstanding music students. Criteria for selection include full-time enrollment, academic standing, personal character, relevant extracurricular activities and motivating interests. Application open to students majoring in Music at any undergraduate class level. Recipients selected by the faculty of the Department of Music. Contact: Department of Music, L.B. 8052, (912) 681-5396.

+ Phi Mu Alpha Sinfonia/Sigma Alpha Iota Scholarships - Sponsored by the Phi Mu Alpha and Sigma Alpha Iota Music Fraternities. Annual scholarships are paid winter and spring quarters to one incoming male and one incoming female freshman (or transfer) student majoring in music. The scholarship awards are based on musical ability. Auditions are required of all applicants. Financial need may also be taken into consideration. Recipients selected by the members of Phi Mu Alpha and Sigma Alpha Iota. Contact: Department of Music, L.B. 8052, (912) 681-5396.

Presser Foundation Scholarship - Scholarships are awarded nationwide on an annual basis to rising seniors by the Presser Foundation of Bryn Mawr, Pennsylvania. Criteria for selection include academic standing, personal character, relevant extracurricular activities and motivating interests. Preference given to applicants who expect to become teachers of music. Students needing financial assistance shall have priority when all other factors are equal. Application open to students majoring in Music at any undergraduate class level. Georgia Southern University recipients selected by the President of Georgia Southern University and the Head of the Department of Music. Contact: Department of Music, L.B. 8052, (912) 681-5396.

+ Statesboro-Georgia Southern Symphony Women’s Guild Scholarship - Established to support students wishing to play in the Statesboro-Georgia Southern Symphony Orchestra. Scholarship awards and amounts are determined by the skill of the applicant and the current needs of the orchestra. A performance audition is required of all applicants. Contact: Department of Music, L.B. 8052, (912) 681-5396.

+ Georgia Nurses Association Scholarship - Established in 1989 by the 18th District Georgia Nurses Association. The purpose of the scholarship is to recognize and assist outstanding students in the field of Nursing. Criteria for selection include full-time enrollment, academic standing (2.5 GPA or better), and financial need. Application open to senior level Nursing students. Applicants should be residents of the 18th District (includes Bryan, Bulloch, Candler, Emanuel, Evans, Tattnall and Toombs counties). Recipients selected by the 18th District Scholarship Committee. Contact: Department of Nursing, L.B. 8158, (912) 681-5242.

+ Curtis G. Barnes Nursing Scholarship - Established to honor Dr. Curtis G. Barnes of Claxton, GA, an outstanding, dedicated physician and medical researcher of national and International renown. The scholarship program is designed to provide financial assistance to students majoring in nursing at state approved programs in Statesboro, Augusta, Savannah, Brunswick, or Macon, Georgia. Criteria for selection include full-time enrollment, academic standing, personal character, relevant extracurricular activities, motivating interests and financial need. Application is open to undergraduate students majoring in any field of nursing leading to RN licensure. Applicants should be Georgia residents whose home address lies within a 43 county area of east Georgia (consult Nursing Department for specific counties). Contact: Department of Nursing, L.B. 8158, (912) 681-5242.
+Statesboro Business and Professional Women's Nursing Scholarship - Established in 1989 to assist outstanding students majoring in the field of Nursing. This scholarship provides financial assistance for the last six quarters of the Nursing program. Criteria for selection include full-time enrollment, academic standing, personal character, relevant extracurricular activities and financial need. Application open to junior level students accepted to the Nursing Program. Preference given to graduates from Bulloch County high schools. Recipients selected by the Department of Nursing Student Affairs Committee. Contact: Department of Nursing, L.B. 8158, (912) 681-5242.

+Lettie Pate Whitehead Scholarship - Established in 1946 to honor the career and philanthropy of Lettie Pate Whitehead (1872-1953). Awards are based on demonstrated financial need. Application women nursing students. Applicants must be residents of Georgia, North Carolina, South Carolina, Virginia, Louisiana, Mississippi, Alabama, Tennessee or Florida. Contact: Department of Nursing L.B. 8158 (912) 681-5242.

Physics
+Woodrum-Mobley Physics Scholarship - Established in 1979 to recognize and assist outstanding students in the field of Physics. Criteria for selection including full-time enrollment, academic standing, personal character, relevant extracurricular activities and motivating interests. Application open to rising junior transfer students majoring in Physics. Recipients selected by the Department of Physics Scholarship Committee. Contact: Department of Physics, L.B. 8031, (912) 681-8031.

Political Science
+Bo Ginn Political Science Scholarship - Established in 1985 to honor the career and services of Ronald "Bo" Ginn. The purpose of the scholarship is to recognize, recruit and assist outstanding students in the field of Political Science. Criteria for selection include full-time enrollment, academic standing, personal character, relevant extracurricular activities and motivating interests. Application open to students majoring in Political Science at any undergraduate or graduate class level. Recipients selected by the Department of Political Science. Contact: Department of Political Science, L.B. 8101, (912) 681-5698.

Printing Management
+Camp Scholarship - Established in honor of the Camp family, in recognition of dedication to academic excellence and contributions to the Georgia printing industry. The purpose of the scholarship is to recognize and assist outstanding students in the Printing Management field. Criteria for selection include full-time enrollment, academic standing, personal character, relevant extracurricular activities and motivating interests. Application open to students majoring in Printing Management at any undergraduate or graduate class level. Preference given to applicants from Walton County, Georgia. Recipients selected by the Printing Management Scholarship Committee. Contact: Department of Industrial Technology, L.B. 8044, (912) 681-5111.

+Eastman-Kodak Printing Scholarship - Established in 1986 through a generous contribution from the Eastman-Kodak Company. The purpose of the scholarship is to recognize and assist students in the Printing Management field. Criteria for selection include full-time enrollment, academic standing, and financial need. Application open to students majoring in Printing Management at any undergraduate or graduate class level. Recipients selected by the Printing Management Scholarship Committee. Contact: Department of Industrial Technology, L.B. 8044, (912) 681-5111.

+Printing Association of Georgia Scholarship - This scholarship program has been established by the Printing Association of Georgia (PAG) to recognize and assist students majoring in Printing Management. Criteria for selection include full-time enrollment, academic standing (2.5 GPA or better), Georgia residency and financial need. Application open to students majoring in Printing Management at any undergraduate or graduate class level. Contact: Department of Industrial Technology, L.B. 8044, (912) 681-5111.

+Mendel Segal Scholarship - Established in 1985 to honor the career and contributions of Mr. Mendel Segal, printing industry executive from Georgia. The purpose of the scholarship is to recognize and assist outstanding students in the Printing Management field. Criteria for selection include full-time enrollment, academic standing and financial need. Application open to students majoring in Printing Management at
any undergraduate or graduate class level. Recipients selected by the Printing Management Scholarship Committee. Contact: Department of Industrial Technology, L.B. 8044, (912) 681-5111.

+ George Wallie Scholarship - Established in 1989 to recognize and assist outstanding students in the Printing Management field. Criteria for selection include full-time enrollment, academic standing and financial need. Application open to students majoring in Printing Management at any undergraduate or graduate class level. Recipients selected by the Printing Management Scholarship Committee. Contact: Department of Industrial Technology, L.B. 8044, (912) 681-5111.

Recreation

+ Honey Bowen Scholarship - Established in 1985 by Mrs. Honey Bowen of Statesboro to recognize and assist students majoring in Recreation and Leisure Services. Criteria for selection include full-time enrollment, academic standing (undergraduate applicants should have a 2.75 GPA, graduate applicants should have a 3.25 GPA), personal character (interview required), relevant extracurricular activities and motivating interests. Application is open to students majoring in Recreation and Leisure Services at the junior, senior or graduate class level. Applications are available from the Department of Recreation and Leisure Services. Recipients selected by the Department's Awards Committee. Contact: Department of Recreation and Leisure Services, L.B. 8077, (912) 681-5462.

Leisure Careers Foundation Scholarship - The Leisure Careers Foundation is a Non-Profit organization created by the Georgia Recreation and Park Society Board of Trustees to administer a loan-scholarship program for individuals in full-time academic pursuits in the recreation, park, and conservation field. Applicants must be legal residents of Georgia, classified as rising junior, rising senior or graduate students and have at least a 3.0 cumulative GPA for the previous two quarters. Contact: Leisure Careers Foundation, Georgia Recreation and Park Society, Inc., 1677 Tullie Circle, Suite 114, Freeway Office Park, Atlanta, GA 30329, (494) 760-1403, or the Department of Recreation and Leisure Services, L.B. 8077, (912) 681-5462.

Leisure Careers Foundation Scholarship - This program was established in 1988 to assist exceptional Engineering studies students during their first two years at Georgia Southern University. Criteria for selection include demonstrated financial need. Application is open to students majoring in Engineering at any undergraduate or graduate class level. Recipients selected by the Gulfstream Scholars Committee. Preference will be given to gifted, underprivileged students. Contact: Application and Financial Aid Form (FAF) should be sent to the Scholarship Coordinator, Office of Financial Aid, L.B. 8065, (912) 681-0426.

+ Gulfstream Aerospace Engineering Scholarship - This program was established in 1988 to assist exceptional Engineering studies students during their first two years at Georgia Southern University. Criteria for selection include demonstrated financial need. Application is open to students majoring in Engineering at any undergraduate or graduate class level. Recipients selected by the Gulfstream Scholars Committee. Preference will be given to students enrolled in an approved program of engineering study. Recipients may apply for further aid in the form of co-op and summer work programs. Contact: School of Technology, L.B. 8044, (912) 681-5111.

* + Ernest W. and Audrey M. Hartsell Engineering Technology Scholarship - The purpose of this scholarship is to recognize and assist outstanding engineering technology students. Criteria for selection include demonstrated financial need. Application is open to students enrolled in an approved program of engineering study at any undergraduate or graduate class level. Recipients selected by the Department of Engineering Technology Scholarship Committee. Preference will be given to

Stephen G. Moore Scholarship - The purpose of this scholarship is to recognize and assist outstanding engineering students with demonstrated financial need. Criteria for selection include full-time enrollment, academic standing, personal character, relevant extracurricular activities and demonstrated financial need. Application is open to students enrolled in an approved program of engineering study at any undergraduate class level. Recipients selected by the Department of Engineering Technology Scholarship Committee. Preference will be given to gifted, underprivileged students. Contact: Department of Engineering Technology, L.B. 8045, (912) 681-5373.

To apply for this award, the applicant should complete the Georgia Southern University "General Scholarship Application".

Program funded through private donations to the Georgia Southern University Foundation, Inc.

SATISFACTORY ACADEMIC PROGRESS REQUIREMENTS FOR FINANCIAL AID

REQUIREMENT AND DEFINITION
Students receiving financial aid must be making satisfactory academic progress in accordance with the policies outlined below. Satisfactory progress means that a student is advancing toward his/her degree objective in a manner consistent with prescribed policies of the college.

PROGRAMS AFFECTED

SPECIAL INFORMATION
Federal Pell Grants may be received for no more than 15 quarters.

EFFECTIVE DATE
1. Students who entered Georgia Southern University prior to Fall Quarter 1987 must meet the Satisfactory Academic progress for financial aid as published in the 1986-87 academic bulletin (catalogue).

2. Students entering Georgia Southern University Fall Quarter 1987 and after must meet the satisfactory academic progress noted below.

TERMINATION OF AID

I. Academic Suspension or Exclusion (quarterly requirement): Any student who is placed on academic suspension or exclusion at the end of any quarter will have his/her aid terminated. Any student academically dismissed from the Developmental Studies program will have their aid terminated.

II. Hours Earned (checked at the completion of each Spring Quarter): Students must earn the following minimum number of hours each academic year (Fall through Spring Quarters) depending upon their enrollment status.

(a) Full-time students - 36 hrs. per academic year (12 hrs. per qtr).
(b) 3/4 time students - 27 hrs. per academic year (9 hrs. per qtr).
(c) 1/2 time students - 18 hrs. per academic year (6 hrs. per qtr).

A. 1. Students whose enrollment status varies during the year should follow the quarterly requirements listed above. For example, a student who enrolls full-time the first two quarters but only the third quarter would be required to complete 33 hours (12 + 12 + 9 = 33). Student must inform the Financial Aid Office of a change in enrollment status.

2. Student records will be checked each year for compliance at the end of each Spring Quarter and Summer Quarter. Students who are not meeting the above requirements will be considered ineligible for further aid until the appropriate number of hours are earned.

3. Grades of A, B, C, D, S, and IP will be considered as credits earned. F, I, W, WF, V, FX, and U will not be considered as credits earned.

B. 1. Undergraduate students, in a 4 year program, who have attempted 235 or more quarter hours will have their aid terminated. Degree programs requiring more than 190 hours for graduation will have the 235 hours maximum increased by the number of hours
above 190 required to receive the degree. A student must have at least a 2.0 cumulative grade point average and is projected to receive his/her degree the quarter immediately after earning the 235 hour maximum will be considered to be making satisfactory progress. A student must advise the Financial Aid office if he/she meets this requirement.

2. Undergraduate students, in a two year program, who have attempted 135 or more quarter hours will have their aid terminated.

3. Cumulative hours will be checked for compliance at the end of each Spring Quarter and Summer Quarter.

III. Grade Point Average (checked at the completion of each Spring Quarter and Summer Quarter):

1. Graduate students who have less than a 3.0 grade point average will not receive financial aid.

2. If an undergraduate student's grade point average drops below a 2.0 he/she will be placed on financial aid warning to run concurrently with the academic warning placed by the college.

3. If an undergraduate student is placed on academic probation, the student will also be on financial aid probation. A student on financial aid probation must earn a minimum quarterly GPA of 2.0 and raise the adjusted cumulative grade point average within three consecutive quarters. Probation is cleared after the adjusted cumulative grade point average reaches 2.0.

TIME LIMIT
A student may not receive financial aid for more than 15 quarters. Part-time students and students required to enter college under the Developmental Studies program may have this limit extended proportionately.

REINSTATEMENT OF AID (PENDING BEING AVAILABLE)

1. A student terminated from aid because of failure to earn the number of hours required by his/her enrollment status may request the reinstatement of aid when he/she attains the minimum number of earned hours. These hours may be earned in the summer or be earned in addition to normal load during the regular year. Students are not eligible during these quarters.

2. Returning students who have been academically suspended or excluded may request their aid to be reinstated when they have completed on quarter with at least 10 quarter hours earned with a 2.0 quarterly grade point average.

3. Graduate students may request aid at any time their cumulative GPA reaches 3.0.

WITHDRAWAL FROM COURSES
Students receiving financial aid should be cautious in "dropping" courses. The number of hours registered for will determine the enrollment status (full time, etc.). For example, if you register for 15 hours each quarter for three quarters, and drop two five hour courses, over the three quarters, you would earn 35 hours by the end of the third quarter, you would not be eligible for aid until 36 hours are earned.

TRANSFER STUDENTS
Transfer students will be treated, in terms of the initial disbursement of financial aid, as a freshman entering the University for the first time. Transfer student credits/hours from previous institutions will be evaluated at the standard evaluation of satisfactory progress time (annual). At that time, if no credits/hours will be accepted from the previous institutions, the evaluation of Standard of Progress for subsequent distribution will be based solely on the student's academic record at Georgia Southern University. However, if credits/hours from previous institutions are to be accepted at Georgia Southern University, then all standards, in terms of number of hours and GPA, will be applied to determine the transfer student's eligibility for financial aid.

WITHDRAWAL FROM SCHOOL
A financial aid recipient who withdraws from school during the refund period of any quarter will not be required to meet the hourly minimum; however, any student withdrawing from school after the refund period will be required to meet the earned hourly minimum. Students may appeal such circumstances as illness, death in the immediate family, etc.

APPEALS

1. A student will indicate in writing to the Financial Aid Office. (a) the reasons why he/she did not achieve the minimum academic requirements and (b) the reasons
why his/her aid should not be terminated. The following types of information may be considered. Unusual circumstances such as an extended illness, death in the Immediate family, etc.

2. The Financial Aid Department staff will review the appeal and determine whether the financial aid cancellation is justified. The student will be advised in writing of the decision.

3. A student wishing to appeal the decision of the Financial Aid Department may do so, in writing, to the Dean of Students.

**CO-OP PROGRAM**

Georgia Southern University offers its students the opportunity to gain work experience related to their academic majors, begin the career decision-making process and earn money for educational expenses. This is accomplished through the Cooperative Education program that is provided on an optional basis in most majors and minors in the Schools of Arts and Sciences, Business, Health and Professional Studies and Technology. The Co-op Program is coordinated administratively by the Placement Office.

The co-op plan may be student, college or industry initiated. Normally, students must have earned 45 quarter hours of credit toward their major, have a GPA of 2.5 or better and be willing to participate in no less than three alternating co-op work assignments. Salaries and benefits are determined by the employer and normally increase as the program proceeds. Board and lodging are the responsibility of the student, but in some cases the employers provide assistance in locating suitable accommodations. Dormitory rooms and meal plans are available to students working near the campus.

Co-op students register for a designated Special Problems/Co-op course each quarter that they are on a work assignment. Co-op students within designated majors may receive one quarter hour credit each quarter they are on a work assignment; an S/U grade is assigned for each work quarter on the basis of the employer's evaluation only.

**U.S. ARMY ROTC FINANCIAL ASSISTANCE PROGRAM**

Tuition, textbook allowance, laboratory expenses and other educational fees, plus a subsistence allowance of $100 per month are awarded by the U.S. Army to selected Georgia Southern students who qualify under Public Law 88-647 (The ROTC Vitalization Act of 1964). For additional information on available scholarships, refer to pages 76 and 323 or call the Georgia Southern University Department of Military Science at 912-681-5320.

**VETERANS' ASSISTANCE PROGRAMS**

Any veteran or eligible dependent of a veteran who wishes to attend Georgia Southern University under any one of the veterans' benefit programs should make application in the usual manner to the Registrar/Director of Admissions. The Registrar’s Office advises former service men and women who are eligible for benefits under the G.I. Bill and children of veterans or war orphans who are eligible for VA training allowance benefits. The Registrar’s Office makes application for benefits to the Veterans Administration. Certification of enrollment and program of education must be made to the Veterans Administration through the Registrar’s Office upon enrollment at the University each quarter.

A full-time veterans’ counselor is available in the Registrar’s Office to assist students enrolling under the G.I. Bill in processing enrollment forms and with other problems relating to veterans benefits. In addition, a Veterans Administration counselor is available to aid the special needs of the disabled veteran.

Veterans and other eligible persons entitled to Veterans’ Administration Educational Benefits may be certified to the Veterans Administration for a total of 45 equivalent credit hours in Developmental Studies. Only 15 hours may be attempted in each of the basic skills.

The need for enrollment in Developmental Studies must be established by testing, counseling, and recommendation of a faculty member.

Veterans are encouraged to take advantage of college credit they may be eligible to receive as a result of their military training, as well as the credit by examination programs.
Six quarter hours of credit for physical education activity courses will be awarded when a student provides evidence (DD-214) that he/she has had a minimum of one year's active military duty. The DD-214 should be furnished to the Registrar's Office.

VOCATIONAL REHABILITATION
The State of Georgia provides financial assistance (equal to tuition and other regular fees in the College) for residents of Georgia who are physically handicapped. For further information, write directly to the Division of Rehabilitation Services, Department of Human Resources, 878 Peachtree Street, Atlanta, Georgia 30309.
GENERAL ACADEMIC INFORMATION
The University is organized on the quarter system with each of the three quarters in the regular session extending over a period of approximately 11 weeks.

The quarter hour is the unit of credit in any course. It represents a recitation period of one fifty-minute period a week for a quarter. A course meeting five periods a week when completed satisfactorily will thus give credit for five quarter hours. Two laboratory or activity periods are the equivalent of one recitation class period.

CLASSIFICATION
Students are classified at the beginning of each quarter on the following basis:
- Freshmen ................. 0-44 hrs. earned
- Sophomores .............. 45-89 hrs. earned
- Juniors .................. 90-134 hrs. earned
- Seniors .................. 135 up earned

COURSE LOAD
A student's course load is computed on the credit-hour value of all courses taken for credit during the quarter whether taken on campus, off campus, or by correspondence. A normal load in a quarter is 15 to 18 hours. Twelve or more hours is considered a full-time load for determination of tuition and most financial aid benefits for undergraduate students.

An advisor may approve an overload for 19-21 hours.

CLASS ATTENDANCE
The responsibility for setting specific policies concerning class attendance is given to each professor. Professors will clearly state policies to each class and will make clear what constitutes excessive absences. Departments may establish policies concerning class attendance provided there is unanimous agreement by faculty members within the department. The student is responsible for all material presented in class and for all announcements and assignments.

The University does not issue an excuse to students for class absences. In case of absences as a result of illness, representation of the University in athletic and other activities or special situations, instructors may be informed of reason for absences, but these are not excuses.

COURSE NUMBERING SYSTEM
The FIRST digit in the course number indicates the level of the course.

Courses numbered 100-299 are called lower division courses.

Courses numbered 300-599 are structured primarily for upperclassmen (students with junior and senior standing).

Courses dual-numbered 400-600 to 499-699 and 500-700 to 599-799 are open to upperclassmen and graduate students.

Courses numbered 800 and 900 are open only to those who have been formally admitted to Graduate School. The numbers and titles are listed in this catalog. For full description of these courses see the Graduate School Bulletin.

THE SECOND DIGIT IN THE COURSE NUMBER INDICATES THE QUARTER HOURS CREDIT FOR THE COURSE AS FOLLOWS:
- 0 .................. 1 quarter hours credit
- 1 .................. 1 quarter hours credit
- 2 .................. 2 quarter hours credit
- 3 .................. 3 quarter hours credit
- 4 .................. 4 quarter hours credit
- 5, 6, 7, 8 .......... 5 quarter hours credit
- 9 .................. 0 to 15 quarter hours credit

The THIRD digit is used simply to designate that particular course.

GRADERS AND GRADE POINTS
The "A" grade may be interpreted to mean that the instructor recognized exceptional capacities and exceptional performance.

The grade of "B" signifies that the student has, for any combination of reasons, demonstrated a significantly more effective command of the material than is generally expected in the course.

The "C" grade is the instructor's certification that the student has demonstrated the required mastery of the material.

The student is graded "D" when his grasp of the course is minimal.
The "F" grade indicates failure to master the essentials and the necessity for repeating before credit may be allowed.

Symbols used in reporting grades and grade points are as follows:

<table>
<thead>
<tr>
<th>Symbol</th>
<th>Explanation</th>
<th>Grade Points</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>Excellent</td>
<td>4.0</td>
</tr>
<tr>
<td>B</td>
<td>Good</td>
<td>3.0</td>
</tr>
<tr>
<td>C</td>
<td>Satisfactory</td>
<td>2.0</td>
</tr>
<tr>
<td>D</td>
<td>Passing</td>
<td>1.0</td>
</tr>
<tr>
<td>F</td>
<td>Failure</td>
<td>0.0</td>
</tr>
<tr>
<td>I</td>
<td>Incomplete</td>
<td>0.0</td>
</tr>
<tr>
<td>*IP</td>
<td>In Progress (used only for courses designed to extend over more than one quarter)</td>
<td>0.0</td>
</tr>
<tr>
<td>W</td>
<td>Withdraw</td>
<td>0.0</td>
</tr>
<tr>
<td>WF</td>
<td>Withdraw Failing</td>
<td>0.0</td>
</tr>
<tr>
<td>V</td>
<td>Audit</td>
<td>0.0</td>
</tr>
<tr>
<td>S</td>
<td>Satisfactory</td>
<td>0.0</td>
</tr>
<tr>
<td>U</td>
<td>Unsatisfactory</td>
<td>0.0</td>
</tr>
</tbody>
</table>

*IP grades may be assigned only to courses which may extend over more than one quarter. No credit is earned until the course is completed.

An incomplete grade ("I") indicates that the student was doing satisfactory work but was unable to meet the full requirements of the course due to non-academic reasons. The instructor assigning an "I" grade must document on the grade roll the reason for assigning the grade. An "I" must be removed during the first quarter in residence following the quarter in which it was recorded, or a time extension must be requested prior to the end of that quarter. It is the student's responsibility to request a time extension from the instructor. Upon the written recommendation of the instructor, an extension with a maximum time of three quarters in residence may be permitted. The student must complete the requirements of the instructor who assigned the incomplete and should not re-register for the course. If the "I" is not satisfactorily removed at the appropriate time it will be changed to an "F".

A "W" is employed to indicate official withdrawal from a course without penalty. It is assigned in all cases when a student withdraws before the mid-point of the quarter. Beyond the mid-term a "WF" will be assigned except in cases of hardship as determined by the Dean of the appropriate school. A "W" is not considered in computing the grade point average. The "WF" is computed as an "F". A student who withdraws from school after mid-quarter is assigned a "W" if passing at the time of withdrawal or a "WF" if he is failing at that time.

Official withdrawal from a course after the last day of registration (Drop/Add day) must be approved by the student's advisor and by the instructor of the class being dropped. Any student who registers for a course must either complete course requirements or officially withdraw before the mid-point of the quarter. An "F" will be assigned to any student who discontinues attending class without officially withdrawing. To withdraw, a student must present an approved withdrawal form to the registrar prior to the mid-term.

An "S" indicates that credit has been given for completion of degree requirements other than academic course work.

The symbol "U" indicates unsatisfactory performance in an attempt to complete degree requirements other than academic course work.

Neither "S" nor "U" is included in the computation of the grade point average.

The symbol "V" indicates that a student was given permission to audit the course. Students may not transfer from audit to credit status nor from credit to audit status after the last day of registration.

The symbol "K" indicates that credit was given for the course by an examination program (See section of catalog headed "Credit by Examination.").

PETITION TO REVIEW/CHANGE A GRADE

The evaluation of the quality of a student's performance is exclusively the prerogative of the instructor. Nothing stated below is intended to place a limitation on the prerogative.

If a student does not understand the reason for a grade, it is the student's responsibility to consult the instructor of the course about the grade. If the student has evidence that the
instructor has prejudicially or capriciously awarded a grade in violation of the instructor's own specified grading standards for that class, the student may initiate an appeal according to the procedures given below. The burden of proof will rest with the student.

Procedures are as follows:

1. The student should petition the instructor for reconsideration, giving salient reasons.

2. If, after reconsideration, the instructor does not change the grade and if the student is still not satisfied, the student should consult the Department Head, who will then confer with the faculty member. The student must consult the Department Head within one quarter after the grade has been mailed by the Registrar's Office.

3. If not satisfied after consulting the Department Head, the student should then petition the Dean of the appropriate College. The Dean will consult the instructor and the Department Head and attempt to resolve the dispute.

4. If the dispute has not been resolved, and if the Dean finds that enough evidence exists to suggest that the instructor prejudicially or capriciously awarded a grade in violation of the instructor's own specified grading standards for that class, the Dean shall appoint a committee to hear the evidence and attempt to resolve the dispute.

The committee shall consist of:

- One faculty member from the Department
- Two faculty members from the School but not from the Department
- One faculty member from each of two other Schools
- Ex-Officio: Judicial Board Chairperson

Both the instructor and the student will have the right to challenge for good cause any or all of the members of the committee, and in that event replacements will be appointed and no further challenge will be permitted.

5. If the committee finds that the instructor did prejudicially or capriciously award a grade in violation of specified grading standards for that class, it should attempt to determine what the grade would have been if the instructor grading standards had been consistently followed. The instructor may either accept or reject the committee's finding.

6. If the student is still not satisfied or if the instructor rejects the committee finding, either may appeal to the Vice President for Academic Affairs. The Vice President will review the committee's recommendation and either let the original grade stand or assign the new grade recommended by the committee. The Vice President will send a written notice of his action to all parties concerned and his decision will be considered final.

**GRADE POINT RATIO**

The grade point ratio is the grade average on all work for which the student is enrolled. It is obtainable by dividing the total number of grade points earned by the total number of quarter hours attempted. The grade point average for Georgia Southern students is based only on the coursework done at Georgia Southern.

Students who first enroll at Georgia Southern Fall Quarter 1987 and after or who elect to meet the requirements of the current catalog, will have calculated for them an adjusted grade point average as well as the official cumulative grade point average. The cumulative grade point average is the average of all grades for degree credit courses the student has taken at Georgia Southern. The adjusted grade point average is used for determining a student's academic standing. If a student repeats a course, the last grade in the course counts and only the last grade is calculated in the adjusted grade point average.

**WITHDRAWAL FROM SCHOOL**

Any student who wishes to withdraw from school during the quarter must present an official withdrawal form to the registrar. Failure to do so will result in the assignment of failing grades in all courses for which the student registered. Withdrawal is not permitted after the last day of class.

**MEDICAL WITHDRAWALS**

A student may be administratively withdrawn from the university when it is determined that the student suffers from a physical, mental, emotional or psychological health condition which: (a) poses a significant danger or threat of physical harm to the student or to the person or property of others or (b) causes the student to interfere with the rights of other students or with the exercise of any proper activities or
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with the exercise of any proper activities or functions of the university or its personnel or (c) causes the student to be unable to meet institutional requirements for admission and continued enrollment, as defined in the Student Conduct Code and other publications of the university.

Except in emergency situations, a student shall, upon request, be accorded an appropriate hearing prior to final decision concerning his or her continued enrollment at the institution.

DEAN'S LIST

During any quarter, an undergraduate or post baccalaureate student carrying 15 or more hours and making a quarterly grade point average of 3.5 or higher will be placed on the Dean's List.

TRANSCRIPTS

A complete copy of the student's academic record (transcript) may be obtained by the student presenting a written request to the registrar. Telephone requests will not be honored. Two weeks must be allowed for processing a transcript request. There is no charge for transcript services.

REGISTRATION TIME CARDS

(STUDENT INFORMATION FORMS)

Students are admitted to the registration area each quarter by means of a time permit. Times are assigned on the basis of total cumulative hours earned. Students with the greatest number of hours earned receive the earliest times.

Students who have been admitted to the Graduate School are not required to have a time card. Graduate students may register at any time during scheduled registration hours.

TRANSIENT STUDENTS

Georgia Southern students who wish to take coursework at another institution and receive academic credit at Georgia Southern may do so if the following conditions are met:

1. Student is not on academic probation or on academic or disciplinary dismissal (suspension or exclusion) from Georgia Southern.
2. Student must complete a "Transient Form" (available in the Registrar's Office) obtaining the approval of his/her advisor and the registrar.
3. If the student is within 55 hours of graduation, the student must also obtain the written approval of his/her dean.
4. Developmental Studies students must obtain permission from the Head of the Developmental Studies Department.
5. Students may be approved for transient status for only one quarter at the time.
6. Students must make a "C" or better grade to assure that the course will be accepted in transfer.
7. Students attending another institution as a transient student must request that an official transcript of coursework as a transient be sent to Georgia Southern.
8. A student who takes his/her last work for a degree as a transient student during any graduation quarter will not be eligible for graduation.
9. A student must make application to the school he/she wishes to attend.

Note: Courses taken as a transient will not be figured in the grade point average at Georgia Southern University. However, transient work may affect a students eligibility for graduation with honors.

ACADEMIC POLICIES

Students who entered Georgia Southern University prior to Fall Quarter 1987 must meet the academic requirements specified in the catalog in effect at that time. A student who entered prior to the Fall Quarter 1987 who wishes to switch to the most recent academic policies must advise (in writing) the Registrar's Office of his/her desire to switch prior to the beginning of the quarter in which the student wants the change to be effective. A student can not switch back and forth from catalog to catalog.

Students entering Georgia Southern Fall Quarter 1987 or after must meet the academic requirements which follow.

GOOD ACADEMIC STANDING

A student whose adjusted cumulative grade point average equals 2.0 or higher will be considered in good academic standing at the University. A student whose adjusted cumulative grade point average falls below 2.0 will be subject to the policies listed below.
PROBATION
Probation serves as a notice that academic dismissal from the university will follow unless the quality of academic work improves and the terms of probation are satisfied. A student will be placed on probation at the end of any quarter in which the adjusted cumulative grade point average drops below 2.0. Probation status is noted on the student's permanent record.

A student will be allowed to continue on probation a maximum of three successive quarters of enrollment as long as he maintains a quarterly grade point average of 2.0 or better. Probation will be removed at the end of any quarter in which the adjusted cumulative GPA reaches 2.0. If at the end of three successive quarters of enrollment the adjusted cumulative grade point average has not reached 2.0, the student will be suspended from school.

If a student returns to satisfactory status (2.0 or better adjusted cumulative GPA) and later falls below again, he or she will again have three successive quarters to reach an adjusted cumulative GPA of 2.0 if the quarterly GPA is at least 2.0.

DEVELOPMENTAL STUDIES PROBATION
Developmental Studies students whose adjusted grade point average in regular credit courses taken in conjunction with developmental courses falls below 2.0 will be placed on probation for the subsequent quarter.

This first probation will continue until the student exits all Developmental Studies requirements or the AGPA returns to 2.0. If at the time of exiting, the AGPA is still below 2.0, then the student begins the second quarter on probation and must meet all regular probation requirements.

ACADEMIC DISMISSAL
Academic dismissal is the involuntary separation of a student from the university for a specified period of time resulting from unsatisfactory academic performance while on probation. A student who is eligible to return to the university following an academic dismissal is readmitted on probation status. Following readmission, the student must earn a quarter grade point average of 2.0 or better each quarter until probation is removed. Probation must be removed by the end of three successive quarters of enrollment.

SUSPENSION
Academic suspension is the first involuntary separation of a student from the university. Suspension requires the student to stay out of school for one quarter to reflect on a very serious academic status. The summer quarter will be treated as any other quarter, including quarters of involuntary separation. Academic suspension is noted on the student’s permanent record.

Academic suspension will result from failure to earn a quarter grade point average of 2.0 or better while on probation or failure to remove probation status after 3 successive quarters of enrollment.

Academic suspension will also result when a student is enrolled in 10 or more hours of coursework at the 100 level or above, completes the quarter, receives grades other than "I" or "W" in a minimum of 10 hours of coursework, and fails to earn any credit for that quarter.

RESTRICTED ENROLLMENT
As an alternative to remaining out one quarter on suspension, a student may elect to remain in school with restricted enrollment status. This status means that the student may only repeat courses. Following the election of this option, the student must remain in this category until he/she has attained an AGPA of at least 2.0. A student who elects this option must be under the most recent academic standards and will be enrolled under the condition of probation. Therefore, if the student earns a quarterly GPA below 2.0 while in this status, or if he/she fails to earn an AGPA of at least 2.0 within three quarters, he/she will be excluded.

Restricted enrollment is the only alternative available to students who face suspension. There are no avenues of appeal likely to result in any status other than suspension or restricted enrollment.

Once a student has selected restricted enrollment in lieu of suspension, any proposed schedule which is not all repeated courses must be recommended by the student's advisor and approved by the student's academic
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Dean. For instance, a student who desires to change his/her major may appeal to the dean who administers the new major for permission to include new courses in his/her schedule since repeating required courses in the old major may not be prudent. A student's dean may also approve enrollment in new courses for other reasons which the dean considers to be to the best interest for the student. Students on restricted enrollment may drop courses only with the approval of their academic dean. Students requesting to drop a course required under restricted enrollment may be required to withdraw from school for the quarter. (For "undeclared" majors the Associate Vice President for Academic Affairs shall serve as the student's dean for purposes of this policy).

EXCLUSION
An exclusion is an involuntary separation imposed upon a student who having previously been suspended and readmitted (either after involuntary separation or after choosing restricted enrollment status) fails to meet the terms of probation. Exclusion results when a student in this situation either fails to earn a quarterly GPA of at least 2.0 or fails to clear probation by the end of three consecutive quarters of enrollment. The purpose of exclusion is to allow the student time to reflect on the jeopardy of his/her academic status. A first exclusion is for one quarter. The summer quarter will be treated as any other quarter, including quarters of involuntary separation. Any subsequent exclusion is for one calendar year. A student who is readmitted after an exclusion must enroll under the conditions of probation. Academic exclusion is noted on the student's permanent record.

Academic exclusion will also result when a student is enrolled in 10 or more hours of coursework at the 100 level or above, completes the quarter, receives grades other than "T" or "W" in a minimum of 10 hours of coursework, and fails to earn any credit for that quarter.

DEVELOPMENTAL STUDIES DISMISSAL
A student who accumulates two "F" grades in any combination of Developmental Studies classes will be dismissed from school and will not be allowed to return except under those policies applying to all students who failed to exit the Developmental Studies program.

A Developmental Studies student who is placed on dismissal for failure to exit Developmental Studies may apply for readmission as a transfer student after satisfying Developmental Studies requirements and completing thirty hours of college-level work with a minimum grade point average of 2.0. Alternately, students may appeal to the Admissions Committee to re-enter Georgia Southern, but only after being out of school for three calendar years.

READMISSION
A student who has been placed on academic suspension or first academic exclusion may apply for readmission to Georgia Southern University after remaining out for one quarter. After a subsequent exclusion, a student may apply for readmission after remaining out for one year. A former student application should be completed for the quarter readmission is desired.

RIGHT OF APPEAL
In all matters concerning academic standing the student may appeal by writing to the registrar and clearly stating the basis for an appeal. The appeal will be considered by the Admissions Committee.

A written appeal must be received in the Registrar's Office prior to 5 p.m. on the first day of classes for the quarter a student is seeking admission or readmission to Georgia Southern University. Individuals failing to satisfy the deadline may submit their appeal for the following quarter.

REQUIREMENTS AFTER READMISSION
Following any academic dismissal and a subsequent readmission on probation, academic exclusion results from failure to earn a quarterly grade point average of 2.0 or better, or failure to remove probation by the end of three successive quarters of enrollment.

REPEATING COURSES
A student may repeat any course and the most recent grade becomes the official grade for the course even if the most recent grade is lower. In computing the adjusted cumulative GPA, only the most recent grade will be used (the earlier grade will remain on the transcript and in the
ATTENDING OTHER COLLEGES AND UNIVERSITIES
The university cannot request another institution to accept a student during any period of ineligibility at Georgia Southern University. No transfer credit will be awarded for credits earned at another institution during any period of academic or disciplinary ineligibility.

ACADEMIC INTERVENTION POLICY FOR FRESHMEN
All freshmen students whose Adjusted Grade Point Average (AGPA) is 1.5 or below must meet the following conditions.
1. They may enroll in no more than 13 hours until the AGPA is above 1.5. The typical load would be academic courses for 10 hours, GSU 220 for 2 hours (see #2 below), and a Physical Education activity course for 1 hour.
2. They must enroll in GSU 220, Methods of Learning, unless they have completed that course with a C or better. The GSU 220 course is specifically designed to improve study skills and overall academic performance.
3. In addition to these requirements, students are strongly urged to have regular meetings with their advisors for periodic updates on academic progress, for consultation, and for referral to appropriate support services as needed.

Exceptions to this policy must be approved by the Director of Advisement.

DEGREE REQUIREMENTS AND HONORS CRITERIA
REGENTS’ TESTING PROGRAM
The Regents’ Test is an examination that assesses the competency level in reading and writing of those students enrolled in undergraduate degree programs in University System institutions. The following statement is policy of the Board of Regents of the University System of Georgia:

Each Institution of the University System of Georgia will ensure the other institutions and the system as a whole that students obtaining a degree from the institution possess literacy competence.

The Regents’ Testing Program has been developed to attain this goal. The objectives of the Testing Program are: (1) to provide system wide information on the status of student competence in the areas of reading and writing; and (2) to provide a uniform means of identifying those students who fail to reach the minimum levels of competence in these areas.

A student must pass all components of the test by scoring above the cutoff score specified for each component. The test may be administered either in its entirety or as one or more components depending on the student’s needs. If one component of the Test is passed, that component shouldn’t be retaken; this provision is open to all students who have taken the test in any form since the beginning of the program.

A student should pass the Regents’ Test before the end of the their sophomore year. Students who fail the test must retake and pass it. Each institution will require deficient students to participate in Regents’ courses before retaking the exam.

A student holding a baccalaureate or higher degree from a regionally accredited institution of higher education will not be required to complete the Regents’ Test in order to receive a degree from a University System institution.

When to Take the Test
1. May take it after completing English 151 and 152.
2. Must take it after having earned 45 hours of degree credit unless English 151 and 152 have not been completed.
3. Must take it after having earned the 60th hour of degree credit regardless of whether English 151 and 152 have been completed.
4. Must take the test or any portion not passed after the 60th hour each quarter in attendance until both components of the test have been passed.
5. Students who are taking the test for the first time or who fail to pass both sections of the test are required to take both sections at one testing.
Who Shall Take the Test
1. All regularly enrolled undergraduate students of Georgia Southern University.
2. Students whose native language is not English will take the test but will be tested separately and given longer (2 hours) on each component of the test under the guidelines of the Foreign Students' policies.
3. Handicapped students will take the test under provisions approved by the Exceptions Committee (see guidelines below).
4. Transfer students who receive 60 hours or more of transfer credit must take the test the first quarter in attendance.

Exceptions
1. Students will not be allowed to take the test when they are in violation of policies.
2. Foreign students will be subject to the policies approved by the Faculty Senate. Exceptions to these policies will be dealt with by the Exceptions Committee.

When to Take a Review Course
1. Must take a review or remedial course(s) if the student has earned 75 hours of degree credit until both portions of the test have been passed.
2. Must take a review or remedial course(s) (after earning 75 hours of degree credit) each quarter in attendance until both components have been passed. (See Exception 1.)

Review Courses
English 090 and Reading 090. Each course carries three hours of institutional credit and will be considered a part of the student's academic load. The student may register for only 18 hours or less of degree credit work including the review courses. These courses will meet for four weeks of each quarter for four days and for two hours per day.

Attendance policy: A student must attend at least 75 per cent of the classes and complete at least 75 per cent of the assigned work in order to be eligible to take the Regents' Test that same quarter. Failure to attend at least 50% of the class sessions will result in the student being ineligible to enroll in the University for the subsequent quarter.

Campus Review Procedure
1. A student may request a formal review of his/her failure on the essay component of the test if that student's essay received at least one passing score among the three scores awarded and if the student has passed English 151 and 152.
2. The review procedure is as follows:
   a. The student gives a written request to the Director of Testing.
   b. The request must be received no later than one week after late registration the following quarter.
   c. The Director of Testing will verify the validity of the review request and will notify the Head of the English Department. He will appoint three members of the English faculty to review the essay. Action of the English Department Review Committee will be final. The review must be completed within one week of the request by the Department Head.
   d. The Head of the English Department will send the results of the committee's findings to the Director of Testing, who will inform the student of the results.
   e. If the committee's findings support the student, the Director of Testing will send the appeal to the Board of Regents' office for action.
3. The results of the review by the Board of Regents Testing Office will be final. The student will be notified through the institution of the results. Action on the appeal is generally taken after mid-quarter and after the next administration of the Regents' Test.

Students may appeal to the Vice-President for
Academic Affairs if they feel they have a legitimate reason for failure to comply with these policies.

DEGREE REQUIREMENTS ON UNITED STATES AND GEORGIA HISTORY AND CONSTITUTION

Georgia law requires that every person who receives a degree or certificate from a state-supported college have passed an examination on the constitution of Georgia and of the United States. Any student entering any unit of the University System after June 1, 1954, must also pass an examination on the history of Georgia and of the United States. These requirements may be met by passing examinations offered each quarter, or by receiving a passing grade in certain courses.

Requirements in the separate areas may be satisfied by passing the following courses at Georgia Southern:

- History 450 for Georgia History and Georgia Constitution
- Political Science 350 for Georgia Constitution
- History 252, History 253 or Political Science 250 for all requirements (if taken after Spring 1970)

Equivalent courses taken at other institutions may not meet these requirements. Students who transfer courses from other colleges which are thought to satisfy these requirements should have their transcripts evaluated by the registrar no later than the beginning of the senior year.

GRADUATION REQUIREMENTS

Subject to the limitations and qualifications stated elsewhere in this catalog, the requirements for the baccalaureate degree are as follows:

Students must have their program of study checked by submitting an application for graduation to the registrar three quarters prior to completion of academic requirements. The application must be submitted no later than the last day of official registration (as stated in the official college calendar) during the final quarter before completing academic requirements.

The graduation fee must be paid and all other financial obligations or "holds" must be satisfied or removed before a student is cleared for graduation.

Student must earn 55 hours of credit in residence at Georgia Southern University.

For the B.A. degree, a maximum of 45 hours of upper division coursework in the major may be allowed to count toward the minimum of 190 hours required for graduation.

For the B.S. degree, a maximum of 60 hours of upper division coursework in the major may be allowed to count toward the minimum of 190 hours required for graduation.

At least half of the courses required in the major must be taken at Georgia Southern University.

At least fifteen hours of the twenty required in the minor must be taken at Georgia Southern University.

The adjusted GPA of all courses (at least 190 quarter hours) applying to the degree must be 2.0.

Students seeking a second baccalaureate degree must satisfy all requirements for the second degree; complete 55 hours in residence beyond the first baccalaureate degree approved by the dean of school granting second degree; (Students may not earn the same degree a second time at Georgia Southern.)

Students seeking a second major within the same degree program must complete the specific requirements for both majors. Both majors will be noted on the transcript.

A student cannot graduate immediately following the quarter he is in attendance as a transient student at another institution unless an official transcript of transient credit is received by the registrar prior to graduation. This policy also applies to courses taken by correspondence or extension.

A student must fulfill all major, minor and special requirements prescribed for the degree and satisfy the legal requirements with regard to evidence of an understanding of the history and constitutions of Georgia and of the United States.
A student must pass the Regents' Test as required by the University System of Georgia. (See Regents' Testing Program) Satisfactory scores will be evidence of competence and shall satisfy the requirement. This is a requirement for graduation.

Students typically satisfy the requirements for graduation when they initially enroll at the university. With the approval of their advisor, they may elect to satisfy the graduation requirements specified in any of the catalogs in effect while they are enrolled. However if a student has been out of school for ten or more calendar years and re-enters, the current catalog requirements (at time of re-entry) will apply. Exceptions to the ten-year provision may be granted in rare circumstances. Any such exception requires the approval of the advisor, department head and the dean.

All students will be required to complete any current requirements beyond the catalog, such as legislative, certification and Board of Regents requirements.

A change of major does not constitute a change of catalog. A student may change to the current catalog at any time if approved by the advisor.

Advisors may recommend course substitutions when deemed necessary by submitting the request for approval to their department head. The substitution is then submitted to the registrar who will review each request in accordance with the Board of Regents and institutional policies.

For non-music majors not more than ten hours in performing groups (MUE) and applied music courses (MUA) may apply toward satisfying the minimum of 190 hours required for the degree.

For non-physical education and non-recreation majors a maximum of six hours in physical education activity courses may apply toward satisfying the minimum of 190 hours required for a degree.

Only two hours of credit from GSU120 or GSU220 may apply to the 190 hours required for graduation.

Student may take EP 121 a, b, c, and EP 221 a, b, c repeatedly; but, a maximum of four credit hours may be applied to the 190 minimum for graduation.

A maximum of five hours may be taken under the S/U grading system within any Arts and Sciences minor.

Credit for ROTC Courses will appear on the student's record. Six of these credit hours, either transfer or resident, may be applied toward the 190 hours required for a degree provided it meets with the approval of the appropriate advisor and department.

Students must complete English 151 and 152 with a minimum grade of "C." English 151 must be completed with a minimum grade of "C" before the student may enroll in English 152.

SECOND DEGREES

A graduate of any program may receive the baccalaureate degree of any other program by completing the additional studies required in that program and by meeting residence requirements for the second baccalaureate degree. The minimum resident requirement is 55 quarter hours. Eligibility for graduation with academic honors does not apply to the second baccalaureate degree.

GRADUATION WITH HONORS

1. Graduating seniors who first matriculated at GSU prior to Fall 1988 will be recommended for graduation with honors on the basis of their cumulative grade point average at Georgia Southern. Only credit earned at Georgia Southern will be considered.
   a. Only baccalaureate candidates are eligible.
   b. Only credit earned at Georgia Southern will be considered.
   c. At least 90 hours of credit must be earned at Georgia Southern.
   d. At least 75 hours must be credit earned in regularly scheduled academic courses at Georgia Southern in which ABCDF grades are assigned.
   e. Spring Quarter grades for June Graduation or Summer Quarter grades for August Graduation and Fall Quarter grades for December Graduation will not be used in computing the GPA for honors prior to graduation. (Credit hours earned in the last quarter apply
toward the 90 hours minimum.) After June, August, and December Graduations, the GPA is re-checked for honors, which may be added if qualified.

Honors eligibility regulations apply to only first baccalaureate degree candidates. Post-baccalaureate students are not eligible for graduation with honors.

2. Graduating seniors who first matriculated at GSU Fall 1988 and after will be recommended for graduation with honors on the basis of all credit hours attempted. All credit hours attempted and grade points at other institutions will be added to the Georgia Southern hours attempted and grade points (true cumulative hours and points).
   a. Only baccalaureate candidates are eligible.
   b. At least 90 hours of credit must be earned at Georgia Southern.
   c. At least 75 hours must be credit earned in regularly scheduled academic courses at Georgia Southern in which ABCDF grades are assigned.
   d. Spring Quarter grades for June Graduation, Summer Quarter grades for August Graduation, and Fall Quarter grades for December Graduation will not be used in computing the GPA for honors prior to graduation. (Credit hours earned in the last quarter apply toward the 90 hour minimum.) After June, August, and December Graduations, the GPA is re-checked for honors, which may be added if qualified.

Honors eligibility regulations apply to only first baccalaureate degree candidates. Post-baccalaureate students are not eligible for graduation with honors.

The honors assigned and the scholastic records are:

- Cum Laude 3.5 3.6
- Magna Cum Laude 3.7 3.8
- Summa Cum Laude 3.9 4.0

**HONORS DAY**

During the latter part of the spring quarter, an annual Honors Day Convocation is held. At this time, students are given recognition for various honors and awards including the Excellent Scholarship, the national Honor Society of Phi Kappa Phi, Who's Who Among Students in American Universities and Colleges, Leadership/Service and Special Awards.

To be honored for Excellent Scholarship, the student must have earned at Georgia Southern University a cumulative grade point average of 3.5 or better. The student must have completed at least 30 hours of resident degree credit at Georgia Southern University. This group will include currently enrolled students, those who have completed requirements for the upcoming graduation and post baccalaureate students working toward a second degree. All these students are to be honored from the stage.

Election to membership in the national Honor Society of Phi Kappa Phi will be made on the basis of the following criteria:

1. A grade point average of 3.5 or above.
2. Sound character.
3. Enrollment at GSU for at least one year.
4. Junior or senior status. (Number of seniors and juniors elected may not exceed 10 percent of the candidates for graduation that year.)
5. Graduate status. (Number of graduate students elected may not exceed 10 percent of students receiving graduate degrees from the University that year)

Selections for Who’s Who Among Students in American Universities and Colleges will be made on the basis of the following criteria:

1. A cumulative grade point average of 2.8 or above.
2. Campus and/or community leadership.
3. Campus and/or community service.
4. Junior or senior.

Any member of the faculty, staff, or student body may nominate candidates for Who's Who Among Students in American Universities and Colleges. Final selections will be made from these nominations by the Honors Committee on the basis of an approved points system. These awards will be made on stage.

Selections for Leadership/Service awards will be made on the basis of the following criteria:

1. A cumulative grade point average of 2.5 or above.
2. Must not have been selected for Who’s Who.
3. Number selected cannot exceed the Who's Who allotment.
4. Points system used in the Who's Who criteria for Leadership and Service will be used.
5. Honors Committee will make final selections.
6. Awards will be made on stage.

Selections for Special Awards will be made by the various organizations and departments in keeping with established criteria. Any organization wishing to present a new award should make application for Academic Affairs through the Vice President.

AWARDS

Each year in May the university honors outstanding students from all disciplines and areas of college life. The Honors Day Convocation highlights outstanding awards such as The Alumni Association Scholarship Award, excellent scholarship, and selection to the Honor Society of Phi Kappa Phi, Who's Who Among Students in American Universities and Colleges, and Constructive Leadership/Unselfish Service. In addition, other students receive special awards from departments and divisions of the school or from business organizations.

CORE CURRICULUM

GEORGIA SOUTHERN UNIVERSITY

During the freshman and sophomore years all students enrolled in units of the University System of Georgia must complete a core curriculum consisting of 90 quarter hours as follows:

Area I - Humanities and Fine Arts .......... 20 Hours Required
   *English 151 and 152 - English
      Composition I and II ................. 10
   English 251 or 252 or 253 -
      The Human Image in Literature of the
         Western World ...................... 5
   Five hours from the following: ............ 5
      Art 160 - Art in Life
      Music 152 - Introduction to Music
      Philosophy 150 - Survey of Philosophical
         Thought
      Speech 251 - Fundamentals of Public
         Speaking
      Communication Arts 252 - Introduction to
         Human Communication
      Theatre 257 - Introduction to Theatre

   * Students must complete English 151 and 152 with a minimum grade of "C". English 151 must be completed with a minimum grade of "C" before the student may enroll in English 152.

Area II - Mathematics and Natural Sciences .......... 20 Hours Required
   Five hours from the following: ............ 5
      Mathematics 151 - College Algebra
      Mathematics 152 - Trigonometry
      Mathematics 155 - Business Calculus & Applications
      Mathematics 165 - Pre-calculus Mathematics
      Mathematics 166 or 167 - Analytic Geometry and Calculus I or II -
      Mathematics 264 or 265 Calculus III or Calculus IV
   Ten-hour laboratory sequence from the following: ............ 10
      Biology 151 and 152 General -
         Biology I and II
      Chemistry 171 - Introduction to General Chemistry
      Chemistry 172 - Introduction to Organic Chemistry
      Chemistry 181,182 183 - General Chemistry
      Geology 151 and 152 - General, Physical and Historical Geology
      Physics 251, 252, 253 - General, College Physics or 261, 262, 263 - General College Physics for Science, Engineering and Mathematics Students.
   Five hours from the above including Mathematics or the following: ............ 5
      Biology 165 - People and the Environment
      General Technology 165 - Technology, Science and Environment
      Geology 165 - Principles of Environmental Geology
      Statistics 255 - Statistics Using the Computer I
      Physical Science 151 - Principles of the Physical Universe
      Physical Science 152 - General Astronomy
      Physics 254 - General College Physics

Area III - Social Science .......... 20 Hours Required
   History 152 or 153 - Development of Civilization ............ 5
   History 252 or 253 - United States to 1877
   or since 1877 ............ 5
Political Science 250 - American Government ..................... 5

Five hours from the following: .................. 5
Anthropology 150 - Introduction to Anthropology
Economics 250 or 251 - Principles of Economics I or II
Economics 260 - Basic Economics
Geography 250 - World Regional Geography
Psychology 150 - Introduction to Psychology
Sociology 150 - Introduction to Sociology

Area IV - Courses appropriate to the major
........................................ 30 Hours Required

Since Area IV requirements vary according to the major, they are listed separately for each degree. Each student should contact the academic advisor in the department or division of his proposed major and schedule courses as advised.

SUMMARY OF REQUIREMENTS FOR ALL DEGREES: Humanities, 20 hours; Science and Mathematics, 20 hours; Social Science, 20 hours; Courses Appropriate to Major, 30 hours; Health and Physical Education Activity Courses, 7 hours (HTH 131 and four Physical Education Activity courses); Upper Division Requirements and Electives, to total a minimum 190 hours.

Students who are 26 years of age, or older, may substitute other courses for the physical education activity courses. Six quarter hours of credit for physical education activity courses will be awarded when a student provides evidence (DD-214) that the student has had a minimum of one year's active military duty. The DD-214 should be furnished to the Registrar's Office.
INTERDISCIPLINARY STUDIES

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BACHELOR OF GENERAL STUDIES DEGREE

The Bachelor of General Studies program provides opportunities for non-traditional college students who are interested in combining a liberal arts background with some degree of specialization. It offers a solid core curriculum program along with the freedom to choose from a wide range of concentrations.

While the General Studies Degree allows for study in several areas, it is organized to provide an academically sound program with carefully planned concentrations. The student who earns this degree will have achieved a broad based education that meets high standards of learning.

The program is administered by the Academic Advisement Center.

Requirements

The degree requires fulfillment of the Core Curriculum (Areas I, II, and III including the requirements for Health and Physical Education).

Area IV

Foreign language through 152 .... 10 hours
One fine arts course ............... 5 hours
One computer literacy course .... 5 hours
Social or natural science course ... 5 hours
One interdisciplinary study course .................. 5 hours
Total .................................. 30 hours

The General Studies Degree requires that students complete three areas of concentration, which they may select from a wide range of offerings. Each concentration consists of twenty-five hours, generally five courses, and mostly at the upper division.

The three concentrations add up to a total of 75 quarter hours. Ten of these hours may be at the lower division (100-200) level, but 65 of the hours must be at the upper division (300 or above) level.

The remaining eighteen hours to meet the required 190 total hours will be electives approved by the advisor.

The following concentration areas are available:

American Studies

American Studies 355, American Studies 450 and three courses with significant American Studies dimensions in two disciplines other than the major. The three elective courses must be approved by the American Studies Committee.

Business

The courses required for the business concentration shall consist of one general, representative course from each of the following functional areas. These courses have been approved by the Faculty.

ACC 260 Survey of Accounting
MKT 350 Principles of Marketing
BA 351 Business Ethics
MGT 351 Principles of Management
ECO 352 Managerial Economics

Culture and Society

Both ANT and SOC 150 are prerequisites for this concentration. Of the 25 hours required, 15 hours will be selected from one discipline and ten hours from the other.

ANT 351 World Archaeology
ANT 353 Cultural Anthropology
ANT 464 Culture and Personality
ANT 582 Comparative Social Structures
SOC 352 Urban Sociology
SOC 452 Community Organization
SOC 455 Sociology of Religion
SOC 460 Social Stratification
SOC 475 Organizations
SOC 480 Sociology of the Family

Education

Students taking professional education courses beyond the Foundations course must have at least a 2.50 adjusted GPA and be admitted to the Teacher Education Program.

FED 251 Foundations of Education
FED 361 Educational Psychology: Teaching and Learning in classrooms
EXC 450 Identification and Education of Exceptional Students in the Regular Classroom
ten hours from:
FED 551 Adolescent Psychology
EDT 450 Introduction to Instructional Technology
FED 563 Comparative Educational Thought
RDG 459 The Teaching of Reading
Interdisciplinary Studies

VED 450 Trends in Vocational and Career Education
AED 551 Adult Education

Industrial Management
IM 351 Introduction to Industrial Management
IM 352 Statistical Quality Control
IM 471 Industrial Supervision
GT 350 Ind. Proc. and Materials
IET 450 Production Planning

International Studies
International Studies 350 and International Studies 360 and three other courses with significant international dimension from three different disciplines. The three elective courses must be approved by the International Studies Committee.

Latin American Studies
Latin American Studies 450 and four courses from at least two different disciplines, selected from the following and approved by the Latin American Studies Committee:
GGY/LAS 460 Geography of Latin America
HIS/LAS 371 Latin America-The Colonial Period
HIS/LAS 373 Mexico and the Caribbean
HIS/LAS 374 A.B.C. Powers
PSC/LAS 378 Latin American Politics
SPA/LAS 355 Latin American Civilization
SPA/LAS 455 Latin American Literature

Linguistics
Twenty-five hours selected from the following and approved by the Linguistics Committee:
ENG 452 History of the English Language
ENG 453 Advanced Composition
CAS 335 Phonetics
CAS 443 Semantics
CAS 551 Descriptive Linguistics
FL/ANT 350 Introduction to Language
FL 351 Latin and Greek Vocabulary in English
ANT/CA/ENG 563 Sociolinguistics

Printing Management
Select 25 hours from the following:
PM 250 Graphic Arts Tech. I
PM 332 Printing Papers
PM 345 Law and Ethics
PM 350 Graphic Arts Tech. II
PM 432 Printing Production
PM 452 Graphic Arts Technology III
PM 455 Printing Estimating
PM 495 Special Problems

Religious Studies
Religious Studies 450 and four courses from at least three different disciplines, selected from the following and approved by the Religious Studies Committee:
PHI/RS 352 Great Moral Philosophers
PSY/RS 357 Psychology of Religion
PHI/RS 370 World Religions
HIS/RS 381 Introduction to the History of Religion in the U.S.
HIS/RS 384 Heresy and Dissent in Western Religious History
HIS/RS 451 The Age of the Reformation
SOC/RS 455 Sociology of Religion
HIS/RS 457 Major Themes in Western Religious History
PHI/RS 553 Philosophy of Religion
ENG/RS 559 The Bible as Literature

Southern Studies
Within the Interdisciplinary concentration students may select no more than 10 hours in any discipline.
ANT 456 Georgia Archaeology
ANT 457 The Rural South
ANT 461 Indians of the Southeastern U.S.
ENG 552 Southern Literature
GGY 453 Geography of the South
HIS 450 Georgia History
HIS 452 The Civil War and Reconstruction
HIS 458 The New South
HIS 474 American Negro History
HIS 480 The Antebellum South
PSC 350 State and Local Government
PSC 356 Minority Politics
SOC 359 Race and Ethnic Relations
SOC 455 Sociology of Religion
SOC 457 The Rural South

WOMEN'S AND GENDER STUDIES
Women's and Gender Studies 350 and four courses selected from the following, or others approved by the Women's and Gender Studies Committee:
CA/WGS 441 Women and Media
CAS/WGS 349 Communication and Gender
ENG/WGS 564 Literature by Women
HIS/WGS 351 Women in American History
HIS/WGS 387 Women in Modern European History
PSC/WGS 372 Women and Politics
PSY/WGS 358. Psychology of Women
SOC/WGS 355. Sociology of Sex Roles
WGS 491. Special Problems in Women's and
Gender Studies

ENRICHMENT PROGRAM
F. Richter, Director
Georgia Southern University regularly provides a
generous range of culturally enriching extra-
classroom activities, including films, lectures, symposia, music concerts, dance, opera and
theatre performances, art and science exhibits, historical and aesthetic tours and field trips.
Fundamentally interdisciplinary and drawing on
these resources, the Enrichment Program is
structured around a prepared schedule of
weekly extra-classroom events selected from
among those offered on campus, including
museum and gallery exhibits. Classes meet two
hours per week. Two hours credit. No prerequi-
tsites.

ENRICHMENT PROGRAM CURRICULUM
EP 121a,b,c. Enrichment Program.
EP 221a,b,c. Enrichment Program.
A combined activity/seminar course designed
to engage students in a broad range of extra-
classroom intellectual, cultural, and aesthetic
events as a regular part of their educational
experience.

Students may take the course repeatedly, but a
maximum of four credit hours may be applied
to the 190 minimum for graduation.

THE ORELL BERNARD BELL AND
SUE LOUISE FLOYD BELL
HONORS PROGRAM
The Bell Honors Program offers a challenging
and innovative interdisciplinary alternative core
curriculum for the exceptionally able, creative,
and motivated student.

The program provides a context in which such
students can make full use of their abilities in
intellectually stimulating courses which nurture
originality, critical thinking, and a genuine love
of learning. The program curriculum meets
general education requirements, providing Bell
Honors Program Scholars well-prepared entry
into any major program or specialization avail-
able at Georgia Southern University.

The Bell Honors Program features small classes
with high faculty-to-student ratios. The approach
is interdisciplinary; classes are team-taught by
two or more professors from a variety of aca-
demic disciplines. Classes are informal, empha-
sizing discussion and independent endeavor.
These characteristics are particularly prominent
in the Freshman and Sophomore Honors Semi-
nars, meeting weekly for discussion of
problems-oriented reading. The Honors Collo-
quia, taken during the junior and senior years,
provide continuity of the atmosphere of the
seminars while students are involved in their
major programs of study.

The Bell Honors Program is governed by an
Honors Council composed of ten faculty mem-
ers, representing all major units of the universi-
ty, and two Bell Honors Program Scholars,
elected annually by their peers in the program.
Selection to the program is in the hands of this
body.

Each year in the spring a maximum of eighteen
new Bell Honors Program Scholars are selected
from among applicants who are completing
their senior high school years and who will enter
Georgia Southern as new freshmen in the
ensuing fall quarter. High school seniors with
outstanding scores on the SAT or ACT and
exemplary high school academic records are
invited to apply for admission, but these are not
the absolute nor the only criteria of selection.
Other evidence of unusual academic promise
and creativity will receive full and careful con-
sideration. A personal interview with the Honors
Council is the final stage of selection. High
school Juniors considering early enrollment in
college may also apply, but particularly strong
credentials are expected of such applicants. All
students admitted to the Bell Honors Program
receive scholarships covering the costs of
tuition, including out-of-state fees for students
who are not residents of Georgia.

Prospective students wishing additional infor-
mation on the Bell Honors Program or wishing
to apply for admission to the program should
contact:
Professor Hew Joiner, Director, The Bell
Honors Program, Department of History,
Georgia Southern University, Statesboro, GA
30460-8054 (912) 681-5773
The Bell Honors Program Curriculum

Area I: Humanities and Fine Arts

Hon 161, 152. Communication in the Humanities, I, II.

An articulated two-quarter course offering creative approaches to nurturing clarity and effectiveness in the writing and speaking of the English language, and to thinking clearly, logically, and effectively about a broad range of content in the humanities. Includes an introduction to effective use of research and reference materials. (Sequence of two five-hour courses) Fall and winter quarters of freshman year.

Hon 250. Ideas and the Arts.

An interdisciplinary introduction to philosophy and the fine arts and their interrelationships. (Single five-hour course.) Spring quarter of sophomore year.

Eng 251, 252, or 253. (5 Hours)

With the approval of the Department of English, Bell Honors Program Scholars are encouraged to take one of the departmental honors sections of these courses. Any quarter.

Area II: Mathematics and Physical Science

Hon 191, 192, 193. The Languages and Mind of the Sciences, I, II, III.

An articulated three-quarter course introducing students to the languages, methods, modes of thought of the physical sciences, with particular emphasis on nurturing the student's understanding of mathematics. Also includes introduction to the use of computers. Students completing this course are equipped to enter the second calculus course. (Sequence of one four-hour, two three-hour courses) Fall, winter, and spring quarters of freshman year.

Ten hours in one of the following laboratory science sequences:

- Biology 151-152
- Chemistry 171-172
- Chemistry 181-182
- Geology 151-152
- Physics 251-252
- Physics 281-282

Area III: The Social Sciences

Hon 131. Social Science Perspectives: The Human Dawn

An interdisciplinary approach to tracing the development of civilization from the earliest cultures, East and West, down to the waning of Roman power in the West and the cresting of Gupta power in India. (3 hours) Winter quarter of freshman year.

Hon 132. Social Science Perspectives: Medieval Cultures

An interdisciplinary continuation of Honors 131, down through the age of Tamerlane, Dante, and the high tide of Ottoman power in the Middle East. (3 hours) Spring quarter of freshman year.

Hon 133. Social Science Perspectives: The Genesis of Modern Cultures

An interdisciplinary continuation of Honors 132, from the era of the high Renaissance in the West, the Ming period in China, and the cresting of the Incan Empire, via the Protestant Revolt, the age of explorations, the Mughal Empire in India, the scientific revolution and Enlightenment, down to the end of the age of Napoleon. (3 hours) Fall quarter of sophomore year.

Hon 134. Social Science Perspectives: The Foundations of Contemporary Cultures

An interdisciplinary continuation of Honors 133, analyzing critical developments in the nineteenth and twentieth centuries, down to the end of the second world war. (3 hours) Winter quarter of sophomore year.

Hon 135. Social Science Perspectives: The Nature of Contemporary Cultures

An interdisciplinary conclusion to the sequence, aimed at broadening and deepening understanding of the diversity of cultures and cultural relationships characteristic of the world today. (3 hours) Spring quarter of sophomore year.

Five hours from among the following: Anthropology 150, Economics 250, Economics 251, Economics 260, Economics 295, Geography 250, History 252, History 253, Political Science 250, Psychology 251, Sociology 150

The Honors Seminars and Colloquia

Hon 111-112-113. The Freshman Honors Seminar

An integrated three-quarter sequence of weekly
societies, involving reading and discussion about a focal topic or problem, or about a set of interrelated topics or problems. Approach and content is determined by the instructor whose proposal is selected each year by the Honors Council. (Sequence of three one-hour courses) Fall, winter, spring quarters of freshman year.

The same description applies to: HON 211-212-213, The Sophomore Honors Seminar; HON 311-312-313, The Junior Honors Colloquium; HON 411-412-413, The Senior Honors Colloquium.

Bell Honors Program Scholars are normally expected to take both the junior and senior honors colloquia. However, students who take Junior Years Abroad, who are involved in departmental honors work in their senior years, or have other special circumstances, may apply to the Honors Council for an exemption from one of the colloquia if they wish. Such exemptions must be approved in advance by the council.

INTERNATIONAL STUDIES
The Center for International Studies at Georgia Southern offers a course of study designed to provide students with a basic knowledge of world affairs and how they affect American foreign and domestic policies. One of the main objectives of this program is to prepare students to cope realistically and intelligently with the changing world, a world which is becoming increasingly interdependent and in which vast new multiplications of cultural forces are emerging. Students can minor in International Studies by taking IS 350-Global Issues and IS 360-Contemporary World Cultures and at least two other courses with significant international dimension, in two disciplines other than their major field. The two elective courses must be approved by the International Studies Committee.

For further information please contact:
Professor Zia H. Hashmi, Director, Center for International Studies, Georgia Southern University, Statesboro, GA 30460-8106

LEARNING SKILLS COURSE
GSU 220. METHODS OF LEARNING
This course is designed to help freshmen understand the purpose of a college education, to learn about college resources and requirements, to explore values and interests, to learn how to make decisions and realistic choices, to explore career objectives and programs of study, and to establish supportive relationships with faculty and staff. The course is open to interested freshmen during their first quarter at Georgia Southern.*

* A student may apply no more than two hours credit from GSU 120 or 220 to the 190 hours required for graduation.

LIBRARY RESEARCH COURSE
GSU 230. USE OF LIBRARY RESOURCES
Methods of using a library effectively to locate information. The course is designed to be useful to all students regardless of major. Three one-hour class periods per week.
STUDIES ABROAD

Studying abroad enables students to increase knowledge of a foreign language, provides the opportunity to gain insights into and appreciation for the cultures and institutions of other peoples, facilitates the development of relevant career skills, and contributes to personal maturity, a sense of independence, self-knowledge, and confidence.

Georgia Southern offers study abroad programs in a variety of disciplines. Each program is administered by the Dean of the appropriate College. Current programs include:

- The European Experience, College of Business Administration
- French Language and Culture, Aurillac, France, Dept. of Foreign Languages (for high school seniors)
- GSU at Oxford Program, Depts. of History, Early Childhood Education & Reading, and Middle Grades & Secondary Education.
- GSU in Costa Rica, Dept. of Foreign Languages
- GSU in Segovia, Spain, Dept. of Foreign Languages
- Jamalco Study Abroad Program, African and African American Studies Program
- Summer Study in Erlangen, Germany, Dept. of Foreign Languages

The Regents' Global Center (RGC) Student Programs Office of the University System of Georgia coordinates many opportunities for students to study abroad while earning academic credit toward completion of degree requirements at their home campus. In 1992 approximately 300 participants enrolled in programs coordinated by the RGC. Summer study abroad programs were offered in Europe, Canada, Mexico, and the Pacific region.

RGC programs are open to all undergraduate students with a minimum cumulative GPA of 2.5; however, certain programs may require a higher GPA and completion of prerequisites. Graduate students are required to have a 3.0 GPA. Students in the University System of Georgia who are eligible for financial aid may use that aid toward RGC programs.

Information on Georgia Southern study abroad programs, on programs coordinated by RGC, and on numerous programs offered worldwide is available at the Center for International Studies. For further information, contact Zia H. Hashemi, Director of the Center for International Studies and Campus Coordinator for RGC Programs, Georgia Southern University, Statesboro, GA 30460-8016.

ISP 295. INTERNATIONAL INTERCULTURAL STUDIES ABROAD

Introductory language and/or civilization abroad. Designed primarily for freshmen and sophomores, or those at the initial states of a foreign language. An internship may be a component of the course. Credit varies up to 15 quarter credit hours per term. Prerequisite: consent of instructor.

ISP 395. INTERNATIONAL INTERCULTURAL STUDIES ABROAD

Intermediate level of study of language, civilization, business or science abroad. Designed primarily for juniors and seniors, or those placing at this level. An internship may be a component of the course. Credit varies up to 15 quarter credit hours per term. Prerequisite: consent of instructor.

ISP 497. INTERNATIONAL INTERCULTURAL STUDIES ABROAD

Advanced study of language, civilization, business, or science abroad. Designed primarily for students placing at this level, including postgraduate or graduate students not concentrating in the discipline for which they seek credit. An internship may be a component of the course. Credit varies up to 15 quarter credit hours per term. Prerequisite: consent of instructor.

WOMEN'S AND GENDER STUDIES

Women's and Gender Studies is an interdisciplinary field including courses offered by several departments. C. Schille, Chair.

WGS/CAS 349. COMMUNICATION AND GENDER

This course will introduce students to the literature of communication and gender. It will define the domain of communication and gender studies and consider how men's and women's self-perceptions and resulting communication patterns evolve as a function of cultural influences.

WGS 350. PERSPECTIVES ON WOMEN'S AND GENDER STUDIES

A multi-disciplinary course designed to introduce students to the field of women's and gender studies. Students will examine
traditional and alternative perspectives on women's and men's experiences.

WGS/HIS 351. WOMEN IN AMERICAN HISTORY
A study of the role of women in the political, economical, economic, social and intellectual life of the United States.

WGS/SOC 355. SOCIOLOGY OF SEX ROLES
An exploration of those aspects of human behavior which society views as influenced by membership in one or the other sex. A sociological analysis of the definition, development and change of sex roles within the various institutions of our society.

WGS/PSY 358. PSYCHOLOGY OF WOMEN
Studies female psychological development throughout the life-span. Examines relevant theory and research. Topics include identity and self-concept, relationships and power, sexuality, parenting, work, mental health and women of color.

WGS/POL 372. WOMEN AND POLITICS
Focuses on the relationship of women to the practice of politics and to political theory-building. The student will be introduced to political behavior, political socialization and selected public policy issues by using a comparative cross-national approach as they pertain to women as a political group.

WGS/HIS 387. WOMEN IN MODERN EUROPEAN HISTORY
This course will examine the impact of economic, social, and political events on women in Western Europe since 1789.

WGS/ENG 664. LITERATURE BY WOMEN
This course explores classic, contemporary, and experimental writing by women in all genres, with special emphasis on the polemical and theoretical bases of and critical approaches to such texts.
ORGANIZATION AND OBJECTIVES

The College of Arts and Sciences contains fifteen departments as follows: Art; Biology; Chemistry; Communication Arts; Developmental Studies; English and Philosophy; Foreign Languages; Geology and Geography; History; Mathematics and Computer Science; Music; Physics; Political Science, Public Administration, and Criminal Justice; Psychology; Sociology and Anthropology. Numerous majors are available to students enrolling in the School of Arts and Sciences - anthropology, art, biology, chemistry, communication arts, computer science, criminal justice, economics, English, French, geology, German, history, journalism, mathematics, medical technology, music, physics, political science, psychology, sociology, and Spanish. Minors are available in all fields that have Bachelor of Arts majors and also in computer science, geography, journalism, library science, philosophy, and the interdisciplinary fields of African and African American studies, American studies, international studies, Latin American studies, linguistics, and religious studies. Other minors are offered by various units as second minors in the B.A. programs or as optional minors in the other bachelor’s degree programs. (See Minors).

The College of Arts and Sciences takes as basic to its total function the commitment to the liberal arts, those academic disciplines which have as their immediate goal the training of the mind toward the end of understanding people, nature and society. Three areas of knowledge considered essential to achieve this purpose are the humanities, natural sciences, and social sciences.

The college recognizes that a vital part of life is the work that one does, and so in addition it encompasses a number of programs that offer career preparation as well. The objectives of the College of Arts and Sciences can be summarized as follows:

1. To offer programs of study in the liberal arts, primarily in the B.A. degree.
2. To offer preparation in professions, many leading toward advanced degrees, chiefly in the B.S. degree.
3. To offer training in particular vocations, such as in journalism and criminal justice programs.
4. To infuse the professional vocational programs with as much of the liberal arts as possible within the demands of the programs.
5. To provide through core curriculum and elective courses a liberal arts base for all the students of Georgia Southern University and in other ways to promulgate humanistic values on the campus.

ADVISEMENT

All Georgia Southern students will complete the core curriculum as outlined in the preceding section. Students are assigned an academic advisor based on their proposed major. Undeclared majors are advised in the Academic Advisement Center. The advisor approves the student’s schedule prior to registration each quarter. Final responsibility for meeting degree requirements rests upon the student.

Since Area IV of the core curriculum allows students to begin work on introductory courses in their major, it is advisable for them to make a decision regarding the major by the beginning of the sophomore year. Students who have declared a major should notify the registrar immediately if their degree objective changes.

BACHELOR OF ARTS DEGREE

The Bachelor of Arts degree provides a sound liberal education and prepares students for advanced study in the various liberal arts fields and for entrance to professional schools, as well as for specialized work in their selected field(s).

* Should a student anticipate graduate work in business administration, most B.A. programs have sufficient elective space to permit adequate undergraduate preparation. For example, the following courses are generally required for students entering Master of Business Administration programs: Accounting 260, Economics 260, Finance 351, Law 351, Management 351.

GENERAL REQUIREMENTS

The degree requires fulfillment of the core curriculum, a minimum of 30 hours in the major field, a minimum of 20 hours in a second or minor field**, completion of the fourth course (Intermediate) of a foreign language, three hours of health and four hours of physical
education and a minimum 2.0 adjusted grade point average in required upper-division hours in the major discipline. Departments may establish additional grade requirements, and these are listed under the specific requirements for each major. A minimum of 190 hours is required for graduation.

In addition to the requirements for the major and the required minor, a student pursuing a Bachelor of Arts degree may choose to complete a second minor. It must be approved by the student's advisor (or the head of the major department program) at the time the student applies for graduation. This second minor will be listed on the student's transcript.

The advisor must approve all the courses in the major and minor fields. Before registering for the first quarter of the junior year, a student must plan with the major advisor a satisfactory major program. In the major, the 30 hours must be of senior division courses in one subject; 20 hours of which must be taken in residence. No more than 45 hours of upper-division course work in the major may count toward the minimum of 190 hours required for graduation.

In the minor (or minors) the 20 hours must be of senior-division courses in a single field or within an approved interdisciplinary field, 15 hours of which must be in residence. Within the 20 hours of course work presented for the required minor or the second minor, the student must have a minimum adjusted grade point average of "C" with no more than five hours of "D" work. A maximum of five hours may be taken under the S/U grading system within any Arts and Sciences minor. The first minor may be selected from any of the fields in which Bachelor of Arts majors are offered or from the following: African and African American Studies, American studies, computer science, geography, international studies, journalism, Latin American studies, library science, linguistics, philosophy, religious studies. While the first minor in the Bachelor of Arts degree must be in one of the fields mentioned above, the second minor may be one of these or may be selected from a group of non-liberal arts minors identified as such in the list of minors on pages 24-28. (Students completing other degrees in the College of Arts and Sciences may select any minor from this list as an optional minor.)

* Please note that certain minors may be used only as second minors within the Bachelor of Arts degree. (See minors.)

GENERAL EDUCATION REQUIREMENTS
See Core Curriculum, Areas I, II, III.
Health (3 hours) and Physical Education (4 hours) ........... 7 hours

AREA IV AND SPECIFIC REQUIREMENTS
Area IV requirements of the core curriculum and specific requirements (peculiar to the individual major) are listed below by majors.

(Some of the courses under specific requirements may be used in the core curriculum, especially in Area IV.)

MAJORS

ANTHROPOLOGY

Area IV - 30 hours
Anthropology 150* ....... 5 hours
Foreign Language ....... 0-10 hours
Economics 250, 251, 260;
Geography 250; Geology 151-152;
History 252, 253; Math 255;
Computer Science 256; Psychology
150; Sociology 150 ........ 15-25 hours

Specific Requirements:
Anthropology 150. Introduction to Anthropology
Anthropology 350. Introduction to Language Anthropology 351. World Archaeology
Anthropology 352. Biological Anthropology
Anthropology 353. Cultural Anthropology
Foreign Language
Twenty-five additional hours of upper-division anthropology courses approved by advisor.
• Must be completed with a "C" or better before any upper division Anthropology courses may be taken.

ART

Area IV - 30 hours
Foreign Language ....... 10 hours
Art 151, 152, 250, 252 .... 20 hours

Specific Requirements:
Fifteen hours of 200-level courses in art approved by advisor.

Foreign Language
Thirty hours in art from upper-division offerings approved by advisor.
BIOLOGY
Area IV - 30 hours
Biology 281, 282 .......................... 10 hours
Chemistry 181, 182 .......................... 10 hours
Foreign Language ................................ 0-10 hours
Geology 151, 152;
Physics 251 and 252 or 253;
Physics 261 and 262
or 263 ........................................ 0-10 hours
Specific Requirements:
Biology 151 and 152. General Biology I and II
Biology 281. General Zoology
Biology 282. General Botany
Biology 370. Cell Structure and Function**
Biology 431. Senior Seminar
Five hours from:
Biology 460. Plant Physiology or
Biology 481. Animal Physiology
Biology 472. Genetics
Biology 473. Ecology
Chemistry 181 and 182. General Inorganic Chemistry
Chemistry 377 and 378. Organic Chemistry
Mathematics 151, 152. College Algebra, Trigonometry***
Ten hours in sequence from the following:
Geology 151, 152. General Physical Geology,
General Historical Geology
Physics 251 and 252 or 253. General College Physics
Physics 261 and 262 or 263. General College Physics for Science, Engineering, and Mathematics Students
Five hours from:
Mathematics 166. Analytic Geometry and Calculus I
Biology/Statistics 476. Statistical Methods I
Biology/Statistics 477. Statistical Methods II
Twenty hours of upper-division biology. With advisor’s approval, these may include
Chemistry 586. Biochemistry
Intermediate Foreign Language (French, German, or Spanish)

In addition to these requirements, students pursuing the Bachelor of Arts degree with a major in biology must have an average of “C” or better for all biology courses.
** Students who have earned credit for 30 hours of biology courses must have received credit for Biology 370, or must enroll in this course and receive credit for it before enrolling in any other biology course.

*** Mathematics 165 may be substituted for Mathematics 151 and 152.

CHEMISTRY
Area IV - 30 hours
Chemistry 181, 182, 183, 261 .......................... 10-20 hours
Mathematics 165, 166, 167
Physics 251, 252, 253 or
Physics 261, 262, 263 .................................... 0-15 hours
Computer Science ........................................ 0-10 hours
Specific Requirements:
Chemistry 181, 182, 183. General Chemistry
Chemistry 261, Quantitative Analysis
Chemistry 362, 363. Instrumental Analysis I and II
Thirty hours in Chemistry from upper-division offerings which must include:
Chemistry 371, 372, 373. Organic Chemistry or
Chemistry 377, 378. Organic Chemistry
Chemistry 521. Chemical Literature
Mathematics 165. Pre-Calculus Mathematics
Mathematics 166. Analytic Geometry and Calculus I
Mathematics 167. Analytic Geometry and Calculus II
Foreign Language
Recommended:
Physics 251, 252, 253. General College Physics or
Physics 261, 262, 263. General College Physics for Science, Engineering, and Mathematics Students

COMMUNICATION ARTS
Area IV - 30 hours
Foreign Language ..................................... 10-20 hours
Communication Arts 250, 252, 254,
Theatre 257 ........................................... 5-15 hours
Art 160; English 251, 252, 253;
Economics 250, 251, 252; History 252, 253;
Journalism 252; Music 152; Philosophy 150;
Psychology 150: Sociology 150; ....................................... 0-15 hours
Specific Requirements:
10 hours from English 251, 252, 253
Speech 251
Four hours from:
Speech 323. Parliamentary Procedure
Speech 344. Advanced Public Speaking
Speech 342. Discussion
Speech 343. Argumentation and Debate
Speech 444. Communication Theory
Four hours from:
Theatre 121. Stage Make-up
Theatre 149. Theatre Workshop
Theatre 249. Theatre Workshop
Theatre 251. Stagecraft
Theatre 255. Acting I
Theatre 257. Introduction to Theatre
Theatre 342. Theatre History I
Theatre 343. Theatre History II
Theatre 346. Play Directing
Theatre 347. Acting II
Theatre 349. Theatre Workshop
Theatre 358. Child Drama and Creative Dramatics
Theatre 442. Scene Design
Theatre 443. Costume Design
Theatre 449. Theatre Workshop
Theatre 565. Puppetry

Four hours from:
Speech 443. Semantics
Speech 551. Descriptive Linguistics

Four hours from:
Speech 341. Oral Interpretation
Speech 438. Readers Theatre
CAB/CAJ 345. Law and Ethics of Mass Communications
Broadcasting 347. Radio Production
Broadcasting 444. Television Production
CAB/CAJ 447. Radio and Television

Script Writing
Twenty-four hours in communication arts from upper-division offerings approved by advisor.

In addition to these requirements, students pursuing the Bachelor of Arts degree in communication arts must have a grade of "C" or better in all communication arts courses.

**ECONOMICS**

**Area IV - 30 hours**

Foreign Language ............ 10-20 hours
Economics 250 and 251 ........ 10 hours

Ten hours from:
Anthropology 150; Geography 250;
History 252 or 253; Philosophy 150;
Psychology 150; Sociology 150 ... 10 hours

Specific Requirements:

Economics 352
Economics 356
Economics 359
Management 351
Management 354
Marketing 350
Fifteen hours of economics electives

**ECONOMICS (EMPHASIS IN INTERNATIONAL ECONOMICS)**

The economics major with an emphasis in International economics combines a strong liberal arts background with both international economics and applied business courses in order to prepare students for internationally oriented careers.

**Area IV - 30 hours**

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
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<tbody>
<tr>
<td>Foreign Language</td>
<td>10</td>
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<tr>
<td>Economics 250 and 251</td>
<td>10</td>
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<tr>
<td>Computer Science 256*</td>
<td>5</td>
</tr>
</tbody>
</table>

**Five hours from:**

Anthropology 150; Geography 250; History 252 or 253; Philosophy 150; Psychology 150;

Specific Requirements:

Economics 352
Economics 356
Economics 359
Economics 451
Economics 458
Finance 553
International Studies 350
International Studies 360
Foreign language (20 hours at 300 level or above)
Management 351
Marketing 350
Management 563 or Marketing 465

Designated non-business electives (18 hours)
* MAT 255 is a prerequisite for CSC 256 and may be taken in Area II as the Math-Science elective.

**ENGLISH**

**Area IV - 30 hours**

Foreign Language ............ 10-20 hours
Art 160; English 251, 252, 253;
History 252, 253; Journalism 252; Music 152; Philosophy 150; Psychology 150;
Speech 251, 252 ............ 10-20 hours

Specific Requirements:

English 151 and 152. Composition
Ten hours from English 251, 252, 253.
The Human Image in Literature of the Western World
English 351 and 352. English Literature
English 361 or 362. American Literature

Twenty-five hours in English from upper-division offerings (exclusive of English 330.
Teaching Writing, English 455. Children's Literature and English 573. Literature for Adolescents)
Foreign Language

All students majoring in English are responsible for obtaining from their advisors a copy of the "Requirements of the Major in English."

The English major must have a "C" or above in each of the required courses in freshman and sophomore English and in every course in the English major of 40 quarter hours. An English major who must repeat the same course more than twice to receive a grade of "C" will no longer be considered as a major.

The English major must complete satisfactorily the required courses in freshman and sophomore English before enrolling in an upper-level course in English.

In order to ensure a balanced program for English majors, the department makes the following restriction in the area of upper-level major electives: English majors will not be permitted to take more than two courses within any major literary period (Old and Middle English; the Renaissance; Restoration and Eighteenth Century; Nineteenth-Century American Literature; Nineteenth-Century British Literature; Twentieth-Century Literature).

Only one English 399 or English 599 course may be counted in the English major.

All English majors must take the capstone course English 431 (Senior Seminar) during the winter or spring quarter immediately preceding their graduation.

FRENCH

Area IV - 30 hours

French .......................... 10-20 hours
Arabic 151, 152, 153, 252; German 151, 152, 153, 252; Japanese 151, 152, 153, 252; Russian 151, 152, 153, 252; Spanish 151, 152, 153, 252; Anthropology 150; Art 160; Business 250, 251, 260; Journalism 252; Music 152; Philosophy 150; Psychology 150; Sociology 150; Speech 251 ............... 10-20 hours

Specific Requirements:
Thirty-five hours of French from upper-division offerings, at least ten of which must be at the 400 level. A minimum of ten hours at the 300 level. A grade of "C" or above must be made in every French course in the major.

GEOLOGY

Area IV - 30 hours

Foreign Language ................... 10-20 hours
General Biology 151, Chemistry 181, 182, General Physical Geology 165 .................... 15-30 hours

Specific Requirements:
Foreign Language
Biology 151. General Biology I
Chemistry 181, 182. General Chemistry
Geology 151. General Physical Geology
Geology 152. General Historical Geology
Mathematics 151 and 152. College Algebra, Trigonometry or Mathematics 165. Pre-Calculus Mathematics
Thirty hours of geology from upper-division offerings approved by advisor.

GERMAN

Area IV - 30 hours

German .......................... 10-20 hours
Arabic 151, 152, 153, 252;
French 151, 152, 153, 252;
Japanese 151, 152, 153, 252;
Russian 151, 152, 153, 252;
Spanish 151, 152, 153, 252;
Anthropology 150; Art 160; Economics 250, 251, 260; Journalism 252; Music 152; Philosophy 150; Psychology 150; Sociology 150; Speech 251 .. 10-20 hours

Specific Requirements:
Thirty-five hours of German from upper-division offerings, at least ten of which must be at the 400 level. A grade of "C" or above must be made in every German course in the major.

HISTORY

Area IV - 30 hours

History 152 or 153 ................ 5 hours
History 252 or 253 ............... 5 hours
Foreign Language .................. 10 hours
Anthropology 150; Economics 250, 251, or 260; Geography 250; Psychology 150; Anthropology 150; Sociology 150 ... 10-20 hours

Specific Requirements:
Foreign Language
History 152 and 153. Development of Civilization
History 252 and 253. U. S. History
History 350. An Introduction to History*
Thirty hours in history from upper-division offerings approved by advisor*. At least one
Mathematics
Area IV - 30 hours
Calculus through
- Mathematics 265 .............. 10-20 hours
- Foreign Language .............. 5-10 hours
- Mathematics 220, Computer
- Science 230 .................... 0-5 hours

Specific Requirements:
- Foreign Language
- Mathematics 166. Analytic Geometry and Calculus
- Mathematics 167. Analytic Geometry and Calculus
- Mathematics 220. Applications of Linear Algebra
- Mathematics 264, Calculus III
- Mathematics 265, Calculus IV
- CSC 230. Introduction to BASIC Programming

Thirty-two hours in mathematics from upper-division offerings which must include:
- Mathematics 320. Sets and Set Operations
- Mathematics 330. Introduction to Analysis
- Mathematics 332. Introduction to Modern Algebra
- Mathematics 334. Introduction to Linear Algebra
- Mathematics 338. Introduction to Probability
- Mathematics 350. Differential Equations

A grade of "C" or above is required for credit on each course in the major.

Music
Area IV - 30 hours
- Applied Music ................ 6 hours
- Major Ensemble ................. 6 hours
- Music Theory ................... 18 hours

Specific Requirements:
- Music Theory ................... 35 hours
- MUS 127a,b,c; 131; 132a,b; 227a,b,c; 231a,b,c; 358
- Applied Music ................ 12 hours
- Large Ensemble ................. 12 hours
- Music History/Literature ......... 10 hours
- MUS 251; 252
- Music Seminar .................. 1 hour
- Recital Attendance .............. 0 hours
- Music Electives ................ 10 hours
- Free Electives .................. 10 hours
- Foreign Language .............. 20 hours

Academic Minor (non-music) .... 20 hours

Music majors must earn a minimum grade of "C" in each music class which applies toward graduation. Students earning less than a "C" grade in a sequential course offering may not earn credit until the next sequence offering is repeated and a grade of "C" or higher is earned. In addition, students must earn a minimum grade of "C" or better in a prerequisite course prior to registering for an advanced sequence offering in the same subject area.

Music Department policies which govern the Bachelor of Music Degree also apply to the Bachelor of Arts Degree in Music. See department of music Handbook for additional policies governing degree programs in music.

Physics
Area IV - 30 hours
- Physics through 263 .......... 15 hours
- Mathematics 166, 167, 264, 265 .... 5-15 hours
- Chemistry 181, 182 .............. 0-10 hours

Specific Requirements:
- Foreign Language
- Ten hours from either of the following lab sequences:
  - Chemistry 181, 182 or
  - Biology 151, 152 or Geology 151, 152

Thirty hours in physics from upper-division offerings approved by advisor.

Political Science
Area IV - 30 hours
- Foreign Language .............. 5-20 hours
- Statistics 255, 256 .......... 5-10 hours
- Anthropology 150; Justice Studies 251;
  - Economics 250, 251, 260; Geography 250;
  - History 252,253; Philosophy 150; Political Science 260; Psychology 150; Sociology 150 .............. 0-10 hours
- Political Science 260 ............ 5 hours

Specific Requirements:
- Foreign Language
- Political Science 250. American Government
- Political Science 260. Introduction to Political Science

Forty hours, including a 400-level course, in political science from upper-division offerings approved by advisor.
PSYCHOLOGY
Area IV - 30 hours

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
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<tbody>
<tr>
<td>Psychology 150</td>
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<td>Psychology 280</td>
<td>5</td>
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<tr>
<td>Foreign Language</td>
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<tr>
<td>Anthropology 150; Justice</td>
<td>251</td>
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<tr>
<td>Economics 250, 251, 260;</td>
<td>252</td>
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<tr>
<td>History 252, 253; Statistics</td>
<td>255</td>
</tr>
<tr>
<td>Philosophy 150; Psychology</td>
<td>284</td>
</tr>
<tr>
<td>Sociology 150</td>
<td>10</td>
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</tbody>
</table>

Specific Requirements:
Foreign Language
Psychology 150. Introduction to Psychology
Psychology 210. Careers in Psychology
Psychology 280. Psychological Statistics I
Psychology 380. Psychological Statistics II
Psychology 382. Research Methods in Psychology
Psychology 562. History and Systems of Psychology

At least one of the following courses in developmental/personality/social psychology: PSY 371, 374, 375, 376; at least one of the following courses in experimental psychology: PSY 452, 453, 455, 457; at least one of the following laboratory courses: PSY 552, 553, 555, 556, and three additional upper division elective psychology courses approved by the advisor.

A maximum of 10 credit hours in one or more of the following courses may be credited toward the major: PSY 391, 491, 492, 493.

A grade of "C" or better must be made in Psychology 280, 380, 382, and 562, and in the course selected to meet the laboratory requirement.

SPANISH
Area IV - 30 hours

<table>
<thead>
<tr>
<th>Language</th>
<th>Hours</th>
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<tr>
<td>Spanish</td>
<td>10-20</td>
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Arabic 151, 152, 153, 252; French 151, 152, 153, 252; German 151, 152, 153, 252; Japanese 151, 152, 153, 252; Russian 151, 152, 153, 252; Anthropology 150; Art 160; Economics 250, 251, 260; Journalism 252; Music 152; Philosophy 150; Psychology 150; Sociology 150; Speech 251. 10-20 hours

Specific Requirements:
Thirty-five hours of Spanish from upper-division offerings, excluding courses in English translation. A grade of "C" or above must be made in every Spanish course in the major.

MINORS

Minors are available in all fields that have Bachelor of Arts majors and in other fields as reflected in the complete list below. Some minors have special requirements. (See Minors-General Information section).

African and African American Studies
American Studies
Anthropology
Art
Biology
Business*
Chemistry
Communication Arts
Comparative Literature
Computer Science
Economics
English
Family and Child Studies*
Food Service Management*
Foods & Nutrition*
French
Geography
Geology
German
Health and Aging Studies*
History
Information Systems*
Interior Design*
International Studies
Journalism
Justice Studies
Latin American Studies
College of Arts and Sciences

Library Science
Linguistics
Mathematics
Music
Philosophy
Physics
Political Science
Printing Management*
Psychology
Religious Studies
Sociology
Spanish
Textiles, Clothing, and Fashion
  Merchandising*
Women's and Gender Studies

* May be taken as a second minor by B.A. candidates or as an optional minor by candidates for other baccalaureate degrees.

TEACHER CERTIFICATE WITHIN THE B.A. OR B.S. PROGRAM

Only students completing an approved four-year curriculum designed for a specific school service or teaching field and recommended by the university in which the training is completed are eligible for professional teaching certificates in Georgia. Candidates for the Bachelor of Arts and Bachelor of Science degrees may, through careful planning of their programs, meet degree requirements while incorporating one of the approved programs listed in the teacher education section of this catalog. Students who wish to follow this plan should confer with their teacher education advisement leader within the major department.

BACHELOR OF FINE ARTS DEGREE

The Bachelor of Fine Arts degree provides a sound liberal arts education, prepares students for advanced study in the various studio arts, and allows for a concentrated study in a specific studio area.

GENERAL REQUIREMENTS

The degree requires fulfillment of the core curriculum, completion of a minimum of 30 hours from selected studio art courses, 20 hours of approved Art History courses, 20 hours from a studio concentration.

The advisor must approve all the courses in the selected studio art courses and the studio concentration. All students are required to present a senior exhibition.

A minimum of 23 hours of electives outside of the art department must be completed as well as 3 hours of health and 4 hours of physical education. A minimum of 190 hours is required for graduation.

GENERAL EDUCATION REQUIREMENTS

See Core Curriculum, Areas I, II, III.
Health (3 hours) and Physical Education (4 hours) ......................... 7 hours

AREA IV AND SPECIFIC REQUIREMENTS

ART MAJOR

Area IV - 30 hours

ART 151. Drawing ............... 5 hours
ART 152. 2-D Design ............ 5 hours
ART 250. Painting ............... 5 hours
ART 252. 3-D Design ............ 5 hours
Lower-Division Fine Arts Electives 10 hours

Specific Requirements:
Thirty hours of studio courses to be approved by advisor.
ART 280 and 281
Ten hours of upper division Art History.
Twenty-five hours of studio art concentration approved by advisor and 23 hours of electives chosen from offerings outside the Art Department.

BACHELOR OF MUSIC DEGREE

A student in the Bachelor of Music degree program may choose a major from the following: Performance, Music Education, Composition. Optional programs of study for the performance major include Elective Studies in Business or Emphasis in Jazz Performance.

GENERAL REQUIREMENTS

Students wishing to pursue a Bachelor of Music degree must pass an entrance audition.

This degree requires fulfillment of the core curriculum, completion of all requirements in music, three hours of health and four hours of physical education. A minimum of 190 hours is required for graduation.

Music majors must earn a minimum grade of "C" in each music class which applies toward graduation. Students earning less than a "C"
grade in a sequential course offering may not enroll in the next course sequence until the course is repeated and a grade of "C" or higher is earned. In addition, students must earn a minimum grade of "C" or better in a prerequisite course prior to registering for an advanced course in the same subject area. For further information refer to the Music Section under "Arts & Sciences Courses." See department of music Handbook for additional policies governing degree programs in music.

GENERAL EDUCATION REQUIREMENTS
See Core Curriculum, Areas I, II, III.

Health and Physical
Education .......................... 7 hours

AREA IV AND SPECIFIC REQUIREMENTS
Area IV of the core curriculum is common to all majors in Performance and Theory/Composition in the Bachelor of Music degree program. Specific requirements of the individual program options are listed below by major.

Area IV - 30 hours
Applied Music ..................... 6 hours
Major Ensemble .................... 6 hours
Music Theory ........................ 18 hours
(See advisor for correct courses in the above areas)

Area IV of the core curriculum for Music Education Majors in the Bachelor of Music degree is as follows:

Foundations of Education .......... 5 hours
Human Growth and Development 5 hours
Applied Music ..................... 6 hours
Major Ensemble .................... 3 hours
Music Theory ........................ 11 hours

COMMON BODY OF KNOWLEDGE

COURSES IN MUSIC
Following is a list of courses by categories which are common to all program options in the Bachelor of Music degree: 91 Credit Hours.

Music Seminar
  MUS 110 Music Seminar ............ 1 hour
Applied Music
  MUA Applied Music ................ 12 hours
Large Ensemble
  MUE Large Ensemble .............. 22 hours
  (Keyboard primaries will substitute 6 hours of Large Ensemble with 6 hours of MUE 326 Piano Ensemble)
Music Theory
  MUS 127a,b,c Sight-Singing and Ear Training ..................... 6 hours
MUS 131 Fundamentals ............ 3 hours
MUS 132a, b Theory .............. 6 hours
MUS 227a,b,c Sight-Singing and Ear Training ..................... 6 hours
MUS 231a,b,c Theory II .......... 9 hours
MUS 358 Analytical Techniques .. 5 hours

Music History
  MUS 152 Introduction to Music* .. 5 hours
MUS 251 History of Music I ....... 5 hours
MUS 252 History of Music II ..... 5 hours

Piano Class
  MUS 116a,b,c Piano Class ........ 3 hours
MUS 216a,b,c Piano Class ........ 3 hours

OR
  MUS 126a,b,c Piano Class (For keyboard majors in lieu of MUS 116a,b,c and 216a,b,c) ........ 6 hours

Recital Attendance ............... 0 hours
(Students must complete 9 quarters)

Requirements beyond the Common Body of Knowledge Courses in Music differ according to the individual program options. The following list of major program options includes those additional specific requirements.

PERFORMANCE:

INSTRUMENTAL
This major is recommended for students who plan to teach instrumental music on the college level, to play in professional instrumental ensembles, to pursue an advanced degree in performance, or to teach privately.

Specific Additional Requirements:

Applied Music ..................... 14 hours
Applied Music Lessons
  MUA 301 Junior Recital Preparation
  MUA 401 Senior Recital Preparation

Large Ensemble ................... 2 hours
Small Ensemble ................... 3 hours
Music Literature .................. 5 hours
  MUS 454 Symphonic Literature
Any combination of upper-division Music Theory/Music History courses 15 hours
Free Electives ..................... 10 hours

KEYBOARD
This major is recommended for students who plan to work in the professional fields of college music teaching, solo performance or accompanying, or to pursue an advanced degree in performance.

Specific Additional Requirements:

Applied Music ..................... 14 hours
Applied Music Lessons
College of Arts and Sciences

MUA 301 Junior Recital Preparation
MUA 401 Senior Recital Preparation
Large Ensemble .................................................. 2 hours
Piano Ensemble (in lieu of 6 hours of Large Ensemble) .............. 6 hours
MUE 326 Piano Ensemble
Pedagogy ......................................................... 2 hours
MUS 229a Piano Pedagogy
Music Literature .................................................. 6 hours
MUS 520a,b,c Piano Literature
Any combination of upper-division Music Theory/Music History courses ...... 15 hours
Free Electives ..................................................... 10 hours

VOICE
This major is recommended for students who plan to work in the professional vocal fields including college voice teaching, concert and church singing, private teaching, opera, and radio and television.
Specific Additional Requirements:
Applied Music ..................................................... 14 hours
Applied Music Lessons
MUA 301 Junior Recital Preparation
MUA 401 Senior Recital Preparation
Large Ensemble .................................................. 2 hours
Small Ensemble .................................................. 6 hours
Pedagogy ......................................................... 4 hours
JUS 443 Vocal Pedagogy
Music Literature .................................................. 4 hours
MUS 324 Vocal Literature: Italian/French
MUS 326 Vocal Literature: English/German
Diction ................................................................. 2 hours
MUS 221 Diction for Singers
Any upper-division Music Theory/Music History course .......... 5 hours
Free Electives ..................................................... 10 hours
Foreign Language .................................................. 10 hours

ELECTIVE STUDIES IN BUSINESS
This optional program is for Performance majors who plan to work in the music industry.
Specific Additional Requirements:
Applied Music ..................................................... 13 hours
Applied Music Lessons
MUA 401 Senior Recital Preparation
Large Ensemble .................................................. 2 hours
Piano Ensemble .................................................. 6 hours
MUE 326 Piano Ensemble
(For keyboard primaries in lieu of 6 hours of Large Ensemble)
Music Theory ...................................................... 5 hours
MUS 460 Electronic Music
Music Industry ..................................................... 10 hours
MUS 455 Music Industry I

MUS 456 Music Industry II
Business Course .................................................. 15 hours
ACC 260 Survey of Accounting
MKT 350 Principles of Marketing
MGT 351 Principles of Management
Pedagogy and Literature (For keyboard primaries only) .......... 8 hours
MUS 229a Piano Pedagogy
MUS 520a,b,c Piano Literature
Foreign Language (For voice primaries only) ......................... 10 hours

EMPHASIS IN JAZZ PERFORMANCE
(INSTRUMENTAL OR KEYBOARD)
This optional emphasis is recommended for students who plan to play jazz or commercial music professionally and those students who wish to increase their skills in jazz pedagogy.
Specific Additional Requirements:
Applied Music ..................................................... 14 hours
Applied Music Lessons
MUA 301 Junior Recital Preparation
MUA 401 Senior Recital Preparation
Large Ensemble .................................................. 2 hours
Piano Ensemble .................................................. 6 hours
MUE 326 Piano Ensemble
(For keyboard primaries in lieu of 6 hours of Large Ensemble)
Small Ensemble .................................................. 13 hours
MUE 309 Jazz Ensemble
MUE 312 Jazz Combo
Music History/Literature ......................................... 5 hours
MUS 360 History of Jazz
Music Theory ....................................................... 5 hours
MUS 450 Jazz Styles and Analysis
Jazz Improvisation ............................................... 8 hours
MUS 229a,b,c Jazz Improvisation
MUS 325a Advanced Jazz Improvisation
Piano Literature (for keyboard primaries only) ....................... 6 hours
MUS 520a,b,c Piano Literature

MUSIC EDUCATION
This major is recommended for students who plan to teach instrumental music (for those who elect the Instrumental Sequence) or choral music (for those who elect the Choral Sequence) in the public schools. The completion of these requirements provides for certification by the State Department of Education for teaching music (K-12) in the public schools of Georgia.
Professional Education ........................................... 45 hours
FED 251 Foundations of Education
FED 260 Human Growth and Development
FED 361 Educational Psychology  
EXC 450 Identification and Education of Exceptional Students in the Regular Classroom  
EMS 394 Curriculum and Methods in Music (K-12)  
SED 491 Student Teaching

INSTRUMENTAL SEQUENCE
Specific Additional Requirements:  
Music Theory .......................... 5 hours  
MUS 357 Instrumentation  
Techniques and Conducting .......... 14 hours  
MUS 111a,b Brass Class  
MUS 112a,b Percussion Class  
MUS 113a,b String Class  
MUS 114 Voice Class  
MUS 115a,b Woodwind Class  
MUS 461. Choral Conducting and Literature  
Music Education ........................ 5 hours  
MUS 451 Music in the Elementary School

CHORAL SEQUENCE
Specific Additional Requirements:  
Techniques and Conducting .......... 10-11 hours  
MUS 111a Brass Class  
MUS 112a Percussion Class  
MUS 113a,b String Class  
MUS 114 Voice Class (for keyboard primaries)  
MUS 115a Woodwind Class  
MUS 462. Instrumental Conducting and Literature  
Music Education ........................ 5 hours  
MUS 451 Music in the Elementary School  
Music Education majors whose primary instrument is keyboard, will enroll for 6 hours of MUE 326 Piano Ensemble as a substitute for 6 hours of Large Ensemble.

COMPOSITION
This major is recommended for students who plan to teach theory and composition on the college level, to pursue advanced degrees, or to work in the areas of professional arranging and/or composition.  
Specific Additional Requirements:  
Composition .......................... 19 hours  
MUS 228a,b,c Introduction to Composition  
MUS 328a,b,c, Composition  
MUS 428a,b,c Advanced Composition  
MUA 401 Senior Recital Preparation  
Large Ensemble ........................ 2 hours  
Piano Ensemble .......................... 6 hours  
MUE 326 Piano Ensemble

Music Theory .......................... 15 hours  
MUS 460 Electronic Music  
MUS 356 Counterpoint  
MUS 357 Instrumentation  
Any upper-division Music  
History course ......................... 5 hours  
Free Electives .......................... 10 hours

BACHELOR OF SCIENCE  
DEGREE
GENERAL REQUIREMENTS
This degree requires fulfillment of the core curriculum; completion of the third course (Elementary III) of a foreign language*; a minimum of 40 quarter hours of junior/senior courses in the chosen field; three hours of health and four hours of physical education; and a minimum 2.0 adjusted grade point average in required upper-division hours in the major discipline. Departments may establish additional grade requirements, and these are listed under the specific requirements for each major. No more than 60 hours of upper-division course work in the major may count toward the 190 minimum for graduation.

While the Bachelor of Science degree does not require a minor, students may choose to complete an approved minor program and have it so indicated on their transcripts. The approved minors are listed on page 24 of the 1993-94 catalog. The minor must be approved by the student's advisor at the time the student applies for graduation. A maximum of five hours may be taken under the S/U grading system within any Arts and Science minor.

* Students who have questions regarding their proficiency level should contact the Department of Foreign Languages regarding course placement. A student who has completed two years of a foreign language in high school and who elects to study a different language at Georgia Southern must complete the second course (Elementary II) of the second language in order to fulfill the B.S. degree requirement. A student not subject to CPC must complete the second course of the second language in order to fulfill the B.S. degree requirement.
GENERAL EDUCATION REQUIREMENTS
See core curriculum, Areas I, II and III.
Health (3 hours) and Physical Education (4 hours) ............ 7 hours

AREA IV AND SPECIFIC REQUIREMENTS
Area IV requirements of the core curriculum and specific requirements including grades required (peculiar to the individual majors) are listed below by majors. (Some of the requirements under specific requirements may be used in the core curriculum, especially in Area IV.)

BIOLOGY
Area IV - 30 hours
Biology 281, 282 ............. 10 hours
Chemistry 181, 182; or 171,
172 .................. 10 hours
Foreign Language (level III) .... 0-10 hours
Chemistry 183; Foreign Language 252;
Geology 151; Mathematics 255; or
Physics 251 ................ 5-10 hours

Specific Requirements:
Biology 151 and 152. General Biology I and II
Biology 281. General Zoology
Biology 282. General Botany
Biology 370. Cell Structure and Function*
Biology 431. Senior Seminar
Five hours from:
Biology 460. Plant Physiology or
Biology 481. Animal Physiology
Biology 472. Genetics
Biology 473. Ecology
Chemistry 181 and 182. General Chemistry or
Chemistry 171. Introduction to General
Chemistry
Chemistry 172. Introduction to Organic
Chemistry
Mathematics 151, 152. College
Algebra, Trigonometry**
Twenty hours of upper-division biology.
Foreign Language

In addition to these requirements, students pursuing the Bachelor of Science degree in a Major in Biology must have an average of "C" or better for all biology courses.
* Students who have earned credit for 30 hours of biology courses must have received credit for BIO 370, Cell Structure and Function, or must enroll in this course and receive credit for it before enrolling in any other biology courses.
** Mathematics 165 may be substituted for Mathematics 151 and 152.

CHEMISTRY
Area IV - 30 hours
Chemistry 181, 182, 183,
281 ................................ 10-20 hours
Physics 251, 252, 253, or Physics 261, 262,
263; Mathematics 165, 166,
167 ................................ 10-20 hours
Computer Science ................ 0-10 hours

Specific Requirements:
Chemistry 181, 182, 183. General Chemistry
Chemistry 261. Quantitative Analysis
Chemistry 362, 363. Instrumental Analysis I and II
Chemistry 521. Chemical Literature
Chemistry 554. Advanced Inorganic Chemistry
Chemistry 581, 582, 583. Physical Chemistry
Mathematics 165. Pre-Calculus Mathematics
Mathematics 166. Analytic Geometry and Calculus I
Mathematics 167. Analytic Geometry and Calculus II
CSC 233. Computing in the Sciences
Physics 251, 252, 253. General College Physics or
Physics 251, 252, 253. General College Physics for Science, Engineering and Mathematics Students
Foreign Language - (French, German, Russian or Spanish recommended)

EMPHASIS IN BIOCHEMISTRY
This emphasis is designed for chemistry students interested in the life sciences and the medical profession. Fifteen hours of biochemistry (CHE 586, 587, 588) are required.

COMMUNICATION ARTS
The major in communication arts in the Bachelor of Science degree is designed for those students who are preparing to enter communication professions. A student may seek the B.S. in Communication Arts or, within that major, may choose the B.S. in Communication Arts with an emphasis in broadcasting, theatre, or public relations.
Area IV - Courses applying to major
Foreign Language (153) ......... 5 hours
Speech 251 or CA 252 ......... 5 hours
Communication Arts 254 ......... 5 hours
Journalism 252 .................. 5 hours
Communication Arts 250 ........ 5 hours
Printing Management 250 or Art 152 or Art 258 ................. 5 hours
Specific Requirements:
One of the following groups of courses:

Group I:
- Journalism 343: News Reporting and Writing
- Marketing 351: Advertising
- Speech 443: Semantics OR Speech 444: Communication Theory
- 8 hours CA upper division electives
- CAP, CAB, or CAS 493, 494, 495: Internship I, II, III. Internship must be taken in student's emphasis area.

For Communication Arts majors and those with emphases in broadcasting and public relations: Students intern at established internship sites. To intern, students file an application at least two quarters prior to the expected quarter of internship. All applicants must have a cumulative 2.0 GPA and must have completed all applicable communication arts courses.

Group II:
- Theatre 340. Theatre Management
- Theatre 342. Theatre History I or CAT 343: Theatre History II
- English 461. Drama to Ibsen
- English 557. Modern Drama
- 4 hours CA upper division electives OR one of the following:
  - English 456, 457: Shakespeare
  - English 551. Drama from the Restoration to Shaw
- 15 hour theatre block consisting of:
  - CAT 493, 494, 495. Internship I, II, III: Theatre internship OR A Theatre block consisting of:
  - Theatre 255. Acting I
  - Theatre 346. Play Directing
  - Theatre 441. Stage Lighting
  - Theatre Practica (three one-credit enrollments)
  - Theatre 491. Individual Problems (one three-credit enrollment taken senior year)

If students do not choose one of the following emphases, an additional 22-24 hours of upper-division courses in communication arts will be approved by the advisor.

In addition to these requirements, students pursuing the Bachelor of Science degree with a major in communication arts must have a grade of "C" or better in all communication arts courses.

EMPHASIS IN THEATRE
In addition to the specific requirements listed above, the student must take the following:
- Theatre 121. Stage Makeup
- Theatre 251. Stagecraft
- Speech 341. Oral Interpretation
- Fourteen hours from:
  - Theatre 442. Scene Design
  - Theatre 443. Costume Design
  - Theatre 358. Child Theatre and Creative Dramatics
  - Theatre 555. Puppetry
  - Theatre 557. Play Writing
  - Theatre 356. African-American Theatre
  - Theatre 347. Acting II
  - Theatre 319. Voice Improvement (1-3 hours)
  - Theatre Practica (in addition to those required above - 1-2 hours)

EMPHASIS IN BROADCASTING
In addition to the specific requirements listed above, the student must take the following:
- Broadcasting 347. Radio Production
- Broadcasting 444. Television Production I
- Broadcasting 422. Lighting for Video Productions
- Speech 341. Oral Interpretation
- Broadcasting Practicum (one hour)
- Eight hours of Broadcasting upper-division electives
- Ten upper-division hours from one of the following academic disciplines:
  - Psychology, Sociology, Political Science, Technology, Business

EMPHASIS IN PUBLIC RELATIONS
In addition to the specific requirements listed above, the student must take the following:
- Public Relations 340. Introduction to Public Relations
- Public Relations 440. Public Relations Campaign Strategies
- Speech 342. Discussion
- Broadcasting 347. Radio Production or Broadcasting 444. Television Production I
- Printing Management 336 or 365
- An upper-division Communication Arts elective or Library Research 230. Methods of Library Research
- Active membership in PRSSA
- Ten upper-division hours from one of the following academic disciplines: Psychology, Sociology, Political Science, Technology, Business.

COMPUTER SCIENCE
Area IV - 30 hours
- Math 166, 167, 264  ..........  10 hours
Computer Science 281, 283, 285. 15 hours
Math 251 ........................................ 5 hours

Specific Requirements:
Foreign Language
Fifteen-hour lab science sequence
Additional five hours of science approved by advisor
Mathematics 166. Analytic Geometry & Calculus I
Mathematics 167. Analytic Geometry & Calculus II
Mathematics 220. Applications of Linear Algebra
Mathematics 264. Calculus III
Mathematics 334. Introduction to Linear Algebra
Mathematics 338. Introduction to Probability
Statistics 476. Statistical Methods I
Computer Science 281. Principles of Computer Programming I
Computer Science 283. Principles of Computer Programming II
Computer Science 285. File Processing
Computer Science 351. Theoretical Foundations of Computer Science
Computer Science 364. Data Structures
Computer Science 385. Assembler Language Programming
Computer Science 480. Scientific Programming
Computer Science 482. Operating Systems
Computer Science 483. Computer Architecture
Computer Science 487. Database Systems
Computer Science 568. Software Engineering
Two additional upper-division computer science courses approved by advisor. A grade of "C" or above is required for credit on each course in the major.

GEOLGY
Area IV - 30 hours
Geology 151, 152..............................10 hours
Chemistry 181, 182, 183:
Mathematics 151, 152, or 165, 166, 167;
Physics 251, 252, 253, or Physics 261, 262, or 263......................................20 hours

Specific Requirements:
Biolo 151. General Biology I
Chemistry 181, 182, 183. General Chemistry
Foreign language
Mathematics 165. Pre-Calculus
Mathematics* 166. Analytic Geometry and Calculus I
Mathematics 167. Analytic Geometry and Calculus II
Physics 251, 252, 253. General College Physics or
Physics 281, 282, 283. General College Physics for Science, Engineering and Mathematics Students
Geology 151. General Physical Geology
Geology 152. General Historical Geology
Geology 351. Elementary Crystallography and Mineralogy
Geology 352. Silicate and Optical Mineralogy
Geology 353. Petrology and Petrography
Geology 355. Field Methods in Geology
Geology 411. Introduction to Research
Geology 451. Invertebrate Paleontology
Geology 452. Stratigraphy
Geology 453. Structural Geology
Geology 459. Sedimentation
Geology 494. Selected Problems in Geology
(2 hours)
Geology 512. Seminar in Geology
The student must have an average of "C" in courses in the major.

JOURNALISM
Area IV - 30 hours
Foreign Language (153) ................. 5 hours
History 152, 153, 252, or 253 ....... 10 hours
Journalism 252 ............................... 5 hours
Communication Arts 250 ............... 5 hours
Communication Arts 252 ............... 5 hours

Specific Requirements:
Journalism 346. History of Journalism
Journalism 343. News Reporting and Writing
Journalism 344. Copy Editing
CAJ/CAB 345. Law and Ethics of Mass Communications
GSU 230. Methods of Library Research
Journalism 442. Advanced Reporting
Journalism 445. Feature Writing
Additional 16 hours of upper-division Communication Arts courses approved by advisor (at least 12 hours must be in Journalism)
Political Science 350
Ten upper division hours from each of two academic areas in Arts and Sciences other than Journalism.
A grade of "C" or above is required for credit on each course in the major.

MATHEMATICS
Area IV - 30 hours
Calculus through Mathematics
265 .......................... 10-20 hours
Foreign Language .......................... 5-10 hours
Mathematics 220, Computer
Science 230 .......................... 0-5 hours

Specific Requirements:
Foreign Language
Mathematics 166. Analytic Geometry and
Calculus I
Mathematics 167. Analytic Geometry and
Calculus II
Mathematics 264. Calculus III
Mathematics 265. Calculus IV
Mathematics 220. Applications of Linear
Algebra

Computer Science 230. Introduction to BASIC
Programming
Mathematics 320. Sets and Set Operations
Mathematics 330. Introduction to Analysis
Mathematics 332. Introduction to Modern
Algebra
Mathematics 334. Introduction to Linear Alge-
bra
Mathematics 338. Introduction to Probability
Mathematics 350. Differential Equations
Twenty-five additional hours from upper-
division offerings approved by advisor. Ten
hours in science at the 200-level or above in
addition to the science taken in the core
curriculum Area II.
A grade of "C" or above is required for credit
on each course in the major.

PHYSICS
Area IV - 30 hours
Physics through 263 ............ 5-15 hours
Mathematics 166, 167, 264,
265 .......................... 5-15 hours
Chemistry 181, 182 .......................... 0-10 hours

Specific Requirements:
Foreign Language
Ten hours from either of the following lab
sequences:
Chemistry 181, 182 or
Biology 151, 152 or Geology 151, 152
TD 150. Technical Drafting I
Mathematics 350. Differential Equations
One computer programming course
Forty hours upper-division physics approved
by advisor of which 25 hours must be:
Physics 451. Modern Physics
Physics 557. Quantum Mechanics
Physics 561, 562, 563. Fundamentals of
Classical Physics

POLITICAL SCIENCE
Area IV - 30 hours
Foreign Language .......................... 10 hours
Statistics 255, 256 .......................... 10 hours
Anthropology 150; Economics 250, 251, 260;
Geography 250; History 252, 253; Justice
Studies 251; Philosophy 150; Psychology
150; Sociology 150; up to 10 hours of
200-level or lower Political Science, except
PSC 250 by transfer .......................... 10 hours
Political Science 260.
Introduction to Political
Science .......................... 5 hours

Specific Requirements:
Political Science 250. American Government
Political Science 260. Introduction to Political
Science
Seventy hours of upper-division course work.
Forty hours including a 400-level course from
upper-division offerings in political science to
be approved by advisor, with no course
grades lower than a "C." Thirty hours in
related areas from upper-division offerings
approved by advisor. The student must have
a "C" average in courses taken in related
areas. See Foreign Language.

PSYCHOLOGY
Area IV - 30 hours
Psychology 150 .......................... 5 hours
Psychology 260 .......................... 5 hours
Foreign Language .......................... 0-10 hours
Anthropology 150; Economics 250-251, 260;
History 252, 253; Justice Studies 251;
Statistics 255; PHY 150; Psychology
284; Sociology 150 .......................... 10-20 hours

Specific Requirements:
Foreign Language
Psychology 150. Introduction to Psychology
Psychology 210. Careers in Psychology
Psychology 280. Psychological Statistics I
Psychology 380. Psychological Statistics II
Psychology 382. Research Methods in Psy-
chology
Psychology 562. History and Systems of
Psychology
At least one of the following courses in de-
velopmental/personality/social psychology: PSY
371, 374, 375, 376: at least one of the follow-
ing courses in experimental psychology: PSY
452, 453, 455, 457: at least one of the follow-
laboratory courses: PSY 552, 553, 555,
556; and between three and six additional
upper division elective psychology courses
approved by the advisor.
A maximum of 10 credit hours in one or more of the following courses may be credited toward the major: PSY 391, 491, 492, 493.

A grade of "C" or better must be made in Psychology 280, 380, 382, 562, and in the course selected to meet the laboratory requirement.

**SOCIOL OGY**

The major in sociology in the Bachelor of Science degree is oriented more toward applied courses than in the Bachelor of Arts degree. Within the major, the student may also choose an emphasis in Social Work.

**Area IV - 30 hours**

- Sociology 150 ....... 5 hours
- Foreign Language .......... 0-5 hours
- Statistics 255; Statistics 256; Economics 250, 251, 260; Anthropology 150; Geography 250; Philosophy 150; Psychology 150; or Sociology 270 .......... 20-25 hours

**Specific Requirements:**

- Foreign Language
- Sociology 150, Introduction to Sociology*
- Sociology 270, Introduction to Social Welfare (Social Work Emphasis only)
- Sociology 380, Sociological Theory (Social Work emphasis may substitute Sociology 370.)
- Sociology 381, Methods of Social Research
- Sociology 492, 493, 494. Field Internship (5-15 hours)
- Additional 30 hours of upper-division sociology courses approved by advisor.
  - Must be completed with a "C" or better before any upper-division sociology courses may be taken.

**EMPHASIS IN SOCIAL WORK**

This program is the same as the major in sociology as outlined above except that a minimum of 10 hours is required in Field Internship (SOC 492, 493, 494) and that in the 30 additional hours of upper division sociology the following courses must be included:

- Sociology 370. Social Welfare Policy and Services
- Sociology 452. Community Organization
- Sociology 453. Social Work as a Profession
- Sociology 480. Sociology of the Family

**BACHELOR OF SCIENCE IN BIOLOGY**

The program provides a broad education in the sciences with special depth in biology. It prepares a student for work in biology, and its flexibility permits preparation for entrance to professional and graduate schools.

**GENERAL REQUIREMENTS**

This degree requires fulfillment of the core curriculum, a minimum of 48 hours from upper-division biology courses, completion of foreign language through the 153 level, three hours of health and four hours of physical education. A minimum of 190 hours is required for graduation.

**GENERAL EDUCATION REQUIREMENTS**

See Core Curriculum, Areas I, II, and III. Health (3 hours) and Physical Education (4 hours) 7 hours

**AREA IV AND SPECIFIC REQUIREMENTS**

Area IV requirements of the core curriculum and specific requirements peculiar to this degree are listed below. (Some of the courses under specific requirements may be used in the core curriculum, especially in Area IV.)

**Area IV - 30 hours**

- Biology 281, 282 .... 10 hours
- Chemistry 181, 182 .... 10 hours
- Geology 151, 152; or Physics 251 and 252 or 253; or Physics 261 and 262 or 263 .... 0 - 10 hours
- Foreign Language, Level III .... 0-10 hours

**Specific Requirements:**

- Biology 151 and 152. General Biology I and II
- Biology 281. General Zoology
- Biology 282. General Botany
- Biology 370. Cell Structure and Function*
- Biology 431. Senior Seminar
- Five hours from:
  - Biology 460. Plant Physiology or Biology 481. Animal Physiology
  - Biology 472. Genetics
  - Biology 473. Ecology
  - Chemistry 181 and 182. General Chemistry
  - Chemistry 377 and 378. Organic Chemistry
  - Mathematics 151 and 152. College Algebra, Trigonometry**

Ten hours in sequence from the following:

- Geology 151, 152. General Physical Geology, General Historical Geology
- Physics 251, 252, 253. General College Physics
- Physics 261 and 262 or 263. General College Physics for Science, Engineering and Mathematics Students
Five hours from:
Mathematics 166, Analytic Geometry and Calculus I
Biology/Statistics 476, Statistical Methods I
Biology/Statistics 477, Statistical Methods II
Foreign Language

Twenty-five hours of upper-division biology.
With advisor's approval, these may include Chemistry 586, Biochemistry.

In addition to these requirements, students pursuing the Bachelor of Science in Biology degree must have an average of "C" or better for all biology courses.

* Students who have earned credit for 30 hours of Biology courses must have received credit for BIO 370, Cell Structure and Function, or must enroll in this course and receive credit for it before enrolling in any other Biology courses.
** Mathematics 165 may be substituted for Mathematics 151 and 152.

**EMPHASIS IN BIOLOGICAL OCEANOGRAPHY**
This program is the same as the Bachelor of Science in Biology degree outlined above except for the following specific requirements:
Geology 562, General Oceanography
Physics 251 and 252 or Physics 261 and 262
Ten hours of approved upper-division biology electives must be taken at an approved marine station.

**BACHELOR OF SCIENCE IN CHEMISTRY**
The program of study is designed to give the student broad coverage in general education with special depth in chemistry and supporting courses. The curriculum included in this program follows the recommendations of the American Chemical Society for the professional training of chemists and serves as an excellent Pre-Medical or Pre-Dental program.

**GENERAL REQUIREMENTS**
This degree requires fulfillment of the core curriculum, 57 hours of upper-division chemistry, a foreign language, three hours of health and four hours of physical education. A minimum of 190 hours is required for graduation.

**GENERAL EDUCATION REQUIREMENTS**
See Core Curriculum, Areas I, II, and III.
Health (3 hours) and Physical Education

(4 hours) ..................... 7 hours

**AREA IV AND SPECIFIC REQUIREMENTS**
Area IV requirements of the core curriculum and specific requirements (peculiar to this degree) are listed below. (Some of the courses under specific requirements may be used in the core curriculum, especially in Area IV.)
Area IV - 30 hours
Chemistry 181, 182, 183, 261 . 10-20 hours
Physics 261, 262, 263;
Mathematics 165, 166, 167 . . . . . 10-20 hours
Computer Science . . . . . . . . . 0-10 hours
Specific Requirements:
Chemistry 181, 182, 183, General Chemistry
Chemistry 261, Quantitative Analysis

Fifty-seven hours in chemistry which must include:
Chemistry 362, 363, Instrumental Analysis I and II
Chemistry 371, 372, 373, Organic Chemistry
Chemistry 521, Chemical Literature
Chemistry 554, Advanced Inorganic Chemistry
Chemistry 581, 582, 583, Physical Chemistry
Mathematics 165, Pre-Calculus Mathematics
Mathematics 166, Analytic Geometry and Calculus I
Mathematics 167, Analytic Geometry and Calculus II
CSC 233, Computing in the Sciences
Ten additional hours in mathematics courses approved by the Chemistry Department (MAT 264, 265 or 350)
Physics 251, 252, 253, General College Physics or
Physics 261, 262, 263, General College Physics for Science, Engineering, and Mathematics Students
Foreign Language (French, German, Russian, or Spanish recommended)

**EMPHASIS IN BIOCHEMISTRY**
This emphasis is designed for chemistry students interested in the life sciences and the medical profession. Fifteen hours of biochemistry (CHE 586, 587, 588) are required.

**BACHELOR OF SCIENCE IN JUSTICE STUDIES**
This degree program has been designed to give students a broad knowledge of subjects related to the administration of justice. Students are prepared to converse freely in the operational function of law enforcement, court procedures
and correctional measures. They should be adequately prepared also to assimilate quickly those mechanical processes required in each of these areas.

**GENERAL REQUIREMENTS**
This degree requires fulfillment of the core curriculum, 40 hours of upper-division courses from several disciplines, a minimum of 25 hours of upper-division justice studies courses, 3 hours of health and 4 hours of physical education. The student must have a “C” average in all upper-division requirements for graduation. Within the major, each student is afforded the opportunity to choose from a menu of upper-division level justice studies courses. Selection of courses must be planned carefully with the department head, the program director, or a designated academic advisor. A minimum of 190 hours is required for graduation.

**GENERAL EDUCATION REQUIREMENTS**
See Core Curriculum, Areas I, II and III.
Health (3 hours) and Physical Education (4 hours) .................. 7 hours

**AREA IV AND SPECIFIC REQUIREMENTS**
Area IV of the core curriculum and specific requirements peculiar to this degree are listed below. (Some of the courses under requirements may be used in the core curriculum, especially in Area IV.)

Area IV - 30 hours
Justice Studies 251 and 252 .......... 10 hours
Sociology 150 or Psychology 150 .. 5 hours
Humanities/Social Sciences ....... 5 hours

Ten hours from:
Statistics 255 ........................ 5 hours
Computer Science 256;
Computer Information Systems 251

OR

Foreign Language ........................ 5-10 hours

**Specific Requirements:**
20 hours from:
Justice Studies/Sociology 354.
Drugs, Gangs and Criminal Justice
Justice Studies 361. Evidence
Justice Studies 362. Criminal Procedure
Justice Studies 363. Juvenile Justice
Justice Studies 364. Comparative Industrial
Security
Justice Studies 365. Advanced Corrections
Justice Studies 387. Advanced Criminal
Investigation
Justice Studies 453. Offender Counseling

and Support
Justice Studies 461. Seminar ... 5 hours
Justice Studies 472. Senior Project

OR Justice Studies 491, 492, 493.

Internship* .......................... 5-15 hours

Ten hours of upper-division Sociology approved by major advisor.

Ten hours of upper division Psychology approved by major advisor.

Five hours from:
Political Science 350. State and Local
Government
Political Science 355. Judicial Process
Political Science 357. Public Administration
Political Science 358. Constitutional Law
Governmental Powers .......... 10 hours

Five hours from:
Political Science 363. Scope and Methods
in Political Science
Sociology 381. Methods of Social Research

Five hours from:
Political Science 356. African-American
Politics
Political Science 359. Constitutional Law II -
Civil Liberties
Political Science 371. Native American Law
and Public Policy
Political Science 372. Women and Politics
History 353. African American History Since
1877

*If the student opts not to take internship (JS 491, 492, 493), he/she must take Justice Studies
472 and two upper division courses with
consent of advisor.

**ASSOCIATE OF APPLIED SCIENCE IN JUSTICE STUDIES**
The Associate degree is designed to meet the needs of justice studies practitioners - that is, those who are engaged in full-time employment in a city, county, state or federal agency devoted to law enforcement, courts, or corrections. Upon completion of the program, it is expected that the student will be better equipped to further professionalism in area criminal justice agencies.

**GENERAL REQUIREMENTS**
A student may transfer into the program, from an approved college or university, up to 35 quarter hours credit, to include only 15 quarter
hours of justice studies in Area IV. The student must complete all courses listed as Specific Requirements at Georgia Southern University.

GENERAL EDUCATION REQUIREMENTS
Area I - 10 hours
- English 151. English Composition
- English 152. English Composition
Area II - 10 hours
- Five hours of college-level mathematics
- Five hours of science or mathematics
Area III - 20 hours
- History 253. The U.S. Since 1877
- Political Science 250. American Government
- Sociology 150. Introduction to Sociology
- Psychology 150. Introduction to Psychology

AREA IV AND SPECIFIC REQUIREMENTS
Area IV of the core curriculum and specific requirements peculiar to this degree are listed below.

Area IV - 25 hours
- Speech 251. Fundamentals of Public Speaking
- Justice Studies 252. Introduction to Corrections
- Justice Studies 261. Crimes
- Justice Studies 263. Police Administration
- Justice Studies 284. Fundamentals of Proof

Specific Requirements:
- History 274. The Black American
- Political Science 251. The American Legal System
- Justice Studies 255. Introduction to Offender Rehabilitation
- Justice Studies 266. Issues in Criminal Justice
- Justice Studies 277. Pre-degree Research Paper

BACHELOR OF SCIENCE IN MATHEMATICS

In addition to the major in mathematics offered under this degree, the student may choose an emphasis in computer science.

GENERAL REQUIREMENTS

This degree requires fulfillment of the core curriculum, completion of the third course (Elementary III) of a foreign language*, three hours of health and four hours of physical education. A minimum of 190 hours is required for graduation. A grade of "C" or above is required for credit on each course in the major.

* Students who have questions regarding their proficiency level should contact the Department of Foreign Languages regarding course placement. A student who has completed two years of a foreign language in high school and who elects to study a different language at Georgia Southern must complete the second course (Elementary II) of the second language in order to fulfill the B.S degree requirement.

GENERAL EDUCATION REQUIREMENTS

See Core Curriculum, Areas I, II, and III.

Health (3 hours) and Physical Education
- (4 hours) .......................... 7 hours

AREA IV AND SPECIFIC REQUIREMENTS

Area IV requirements of the core curriculum and specific requirements peculiar to this degree are listed below. (Some of the courses under specific requirements may be used in the core curriculum, especially in Area IV.)

Area IV - 30 hours
- Calculus through
- Mathematics 255 .................. 10-20 hours
- Foreign Language .................. 5-10 hours
- Computer Science 281 and 283 .... 10 hours

Specific Requirements:
- Mathematics 166. Analytic Geometry and Calculus I
- Mathematics 167. Analytic Geometry and Calculus II
- Mathematics 264. Calculus III
- Mathematics 265. Calculus IV
- Mathematics 220. Applications of Linear Algebra
- Mathematics 320. Sets and Set Operations
- Mathematics 330. Introduction to Analysis
- Mathematics 332. Introduction to Modern Algebra
- Mathematics 334. Introduction to Linear Algebra
- Mathematics 338. Introduction to Probability
- Mathematics 350. Differential Equations
- Mathematics 452. Linear Programming
- Mathematics 454. Mathematical Models and Applications
- Statistics 476. Statistical Methods I
- Statistics 477. Statistical Methods II
- Computer Science 281. Principles of Computer Programming I
- Computer Science 283. Principles of Computer Programming II
- Computer Science 480. Scientific Programming

An additional 15 hours in mathematics from upper-division offerings approved by advisor.
EMPHASIS IN COMPUTER SCIENCE
For the emphasis in computer science, the specific requirements are as follows:
Mathematics 166. Analytic Geometry and Calculus I
Mathematics 167. Analytic Geometry and Calculus II
Mathematics 264. Calculus III
Mathematics 265. Calculus IV
Mathematics 220. Applications of Linear Algebra
Mathematics 320. Sets and Set Operations
Mathematics 334. Introduction to Linear Algebra
Mathematics 338. Introduction to Probability
Mathematics 452. Linear Programming
Mathematics 454. Mathematical Models and Applications
Statistics 476. Statistical Methods I
Statistics 477. Statistical Methods II
Computer Science 281. Principles of Computer Programming I
Computer Science 283. Principles of Computer Programming II
Computer Science 285. File Processing
Computer Science 364. Data Structures
Computer Science 385. Assembler Language Programming
Computer Science 480. Scientific Programming

An additional 10 hours in mathematics or computer science from upper-division offerings approved by advisor.

DUAL-DEGREE PROGRAM
Georgia Southern University offers a dual degree program with Georgia Institute of Technology. The student will attend Georgia Southern for approximately three years studying one of the following areas: chemistry, mathematics, or physics. Then the student will continue his/her studies at Georgia Institute of Technology for an additional two years in any of the engineering fields. At the end of the entire program, the student will receive two Bachelor's degrees, one from Georgia Southern and one from Georgia Institute of Technology. This program gives the student the opportunity to develop a liberal arts background before completing his/her education in a highly technical environment. Students should work closely with the Dual-Degree Program advisor, Dr. Arthur Woodrum, since careful planning of the program is necessary from the beginning.

Dual-degree requirements include:
1. Complete 145 quarter hours at Georgia Southern including core curriculum courses and specific requirements for a major in chemistry, mathematics, or physics.
2. Obtain a recommendation from the Dual Degree Program advisor.
3. Maintain a college GPA which meets the requirements for transfer students of Georgia Institute of Technology.
4. Complete a study program at Georgia Institute of Technology required of juniors and seniors in a chosen field of engineering.

PRE-PROFESSIONAL PROGRAMS
PRE-LAW
Many students plan to enter law school upon completion of an undergraduate degree. However, there is no degree program or group of courses that will guarantee a student admission to law school. Admission to law school is determined by a combination of a student's grades, courses, letters of reference, life experiences, and score on the Law School Admissions Tests (LSAT). Most law schools recommend that undergraduate students select rigorous, fairly broad programs of study in which a great deal of writing is required. The principal academic advisement is provided by the department within which the student chooses to major. However, Georgia Southern also has three pre-law advisors with current information regarding law schools available to offer additional counsel to pre-law students. They are Dr. Lynda Hamilton, Department of Accounting and Law, and Dr. Michael Reese and Dr. Christa Slaton of the Department of Political Science, Public Administration and Justice Studies. Pre-law students should contact one of the pre-law advisors to assist them in planning a course of study that will enhance their ability to pursue a career in law.

PRE-AGRICULTURE
Georgia Southern University, in cooperation with the College of Agriculture, University of Georgia, has developed joint programs of study for students interested in pursuing a degree and a career in one of the agricultural sciences. The programs are designed to enable students to obtain special training in preparation for careers in agriculture. The student electing a
pre-agriculture program of study follows a
prescribed curriculum, depending on the in­
tended major, at Georgia Southern University
during the freshman and sophomore years (90
to 105 quarter hours). Thereafter, the student
transfers to the College of Agriculture, University
of Georgia, to complete the program of study in
Agriculture (90 or more quarter hours). Dr. David
Weisenborn and Dr. Emit Deal, School of Busi­
ness, are advisors for students electing one of
the following pre-agriculture programs:
Agricultural Economics
Agricultural Education
Agricultural Extension
Agricultural Journalism
Agronomy
Animal Science
Dairy Science
Food Science
General Agriculture
Horticulture
Plant Pathology/Plant Genetics
Poultry Science
Agricultural Engineering
Agricultural Mechanization
Environmental Health
Entomology

PRE-FORESTRY (TWO-YEAR)
Georgia Southern University, in cooperation with
the School of Forest Resources, University of
Georgia, has developed a joint program of
study for students interested in pursuing a
degree and career in forestry. Students select­
ing a Pre-forestry program of study follow a
prescribed curriculum, depending on the in­
tended major. At Georgia Southern University
during the freshman and sophomore years, the
student completes 103 to 108 hours. This
curriculum is designed to qualify students for
transfer to the School of Forest Resources in
order to complete the program of study in
forestry with concentration in any of the follow­
ing study areas: Wildlife Management, Fisher­
ies, Forest Biology, Forest Business, Forest
Policy and Recreation, Soil and Water Re­
sources, Timber Management, and Forest
Sciences. The University of Georgia School of
Forest Resources accepts students into their
forestry program only during fall and winter
quarters. Only students with an overall GPA of
2.5 or above are accepted. The advisor to the
Pre-forestry program is Dr. Kehwar Maur,
Department of Biology.
Biology 151 and 152 .... 10 hours
Chemistry 181 and 182 .... 10 hours
Computer Science 230 or 232 .... 10 hours
Economics 251 .... 5 hours
English 151 and 152 .... 10 hours

Humanities electives:
Art (100-200 level); Art 160; Drama (100-200
level); English 251, 252, 351 or 362; Lan­
guage (100-200 level); Music 152; or Phi­
losophy 150 .... 6 hours
Mathematics 152 or 165 .... 6 hours
Mathematics/Science electives:
Biology 251 or 252; Geology 151 or 152;
Math 151 or 152; or Physics 251
or 252 .... 10 hours
Political Science 250 .... 5 hours
Social Science Electives:
Anthropology 150; Economics 250; Geog­
raphy 250; History 152, 153, 252, or 253;
Psychology 150; Sociology 150 .... 10 hours

Health 131 .... 3 hours

Physical Education activities
(4 courses)* .... 4 hours
Speech (CAS 291) .... 5 hours
Other electives:
Biology 251 or 252**, Chemistry 377**, or
Physics 251 or 252** .... 5 hours

* May be taken at the University of Georgia

** Any one of these courses may be substituted for
Physics 252: Bio 281, 282, 283; CHE 262, 353, 380;
CSC 281; GGY 350 or 360; GLY 151, 152; MAT
155, 167, 467

PRE-MEDICINE, PRE-DENTISTRY,
AND PARA-MEDICAL
PRE-PROFESSIONAL PROGRAMS
Students intending to prepare for medicine,
dentistry, pharmacy, medical technology and
other para-medical fields should conform to the
course of study covering their respective pre­
professional requirements as prescribed in the
catalogs of the institutions in which they plan
later to enroll. The following programs are
suggestive only; program details should be
worked out with the assistance of the appropri­
ate faculty advisor considering the student's
personal plans.

Students planning to complete the medical
technology program are advised by Dr. David
Foulk, Department of Health Science. These
students complete the program described later
in this catalog.
Students interested in pre-pharmacy typically do not complete a bachelor's degree program at Georgia Southern University, but take courses appropriate for admission to professional schools. Students interested in pre-optometry typically complete a bachelor's degree program, but some may complete all of the course requirements in three years. For students in each of these areas, the University provides advisors who assist them in planning their schedules. Advisors also write letters of recommendation for them to the professional schools. These advisors are:

- Pre-Pharmacy: Dr. Robert Boxer, Chemistry
- Pre-Optometry: Dr. Donald Drapalik, Biology

Students intending to prepare for medicine, dentistry, or veterinary medicine must select a course of study leading to a bachelor's degree in an academic area. Any major may be selected as long as the student is careful to complete courses recommended by the professional schools as well as those required for completion of the student's bachelor's degree program. Students must be advised by an academic advisor in their major area. These advisors are:

- Pre-Medicine:
  - Biology majors: Dr. Sara Bennett
  - Chemistry majors: Dr. Bill Ponder
  - Physics majors: Dr. Arthur Woodrum
  - Other majors: contact specific department

- Pre-Dentistry:
  - Biology majors: Dr. Wayne Krissinger
  - Chemistry majors: Dr. Bill Ponder
  - Physics majors: Dr. Arthur Woodrum
  - Other majors: contact specific department

- Pre-Veterinary Medicine
  - Dr. Frank French, Biology

Additionally, students in the pre-dental and pre-medical programs will work closely with Dr. Sara Bennett, who maintains liaisons with dental and medical schools.

All students in para-medical disciplines other than pre-medicine and pre-dentistry should, when seeking admission to their respective schools, contact their advisors for letters of recommendation. Letters of recommendation for pre-medical and pre-dental students are prepared by the Medical/Dental Admissions Review Board, as required by most medical schools. Students desiring letters should contact the chair, Dr. Sara Neville Bennett, Department of Biology, to arrange for an interview with the board. Interviews normally are held during spring and fall quarters of the year preceding the year of entry into the professional school. Students anticipating participation in early acceptance programs should advise Dr. Bennett of their intentions and should be interviewed during spring quarter. Under no circumstances will letters be written for students by individual members of the Board. Competition for admission is such that favorable letters cannot be written for pre-dental students with less than 2.8 grade point average nor for pre-medical students with less than 3.0 grade point average except under unusual or extenuating circumstances. Pre-medical students should also have a satisfactory score on the MCAT. The foregoing are minimum criteria for an application to be considered favorably by dental and medical schools. These minimum criteria do not ensure acceptance into the respective schools.

**PRE-PHARMACY (TWO-YEAR)**

After three (3) quarters of attendance, a pre-pharmacy student must have earned a minimum of 2.5 GPA (unadjusted) to remain in the program.

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Biology 151, 152</td>
<td>10</td>
</tr>
<tr>
<td>Chemistry 181, 182, 183, 377</td>
<td>25</td>
</tr>
<tr>
<td>Economics 251</td>
<td>5</td>
</tr>
<tr>
<td>English 151, 152 and 251, or 252 or 253</td>
<td>15</td>
</tr>
<tr>
<td>History 152, 153, 252 or 253</td>
<td>5</td>
</tr>
<tr>
<td>Mathematics 165 or 151 and 152</td>
<td>5-10</td>
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<tr>
<td>Political Science 250</td>
<td>5</td>
</tr>
<tr>
<td>Health (3 hours) and Physical</td>
<td></td>
</tr>
<tr>
<td>Education (4 hours)</td>
<td>7</td>
</tr>
<tr>
<td>Physics 251 and 252 or 253; or 261, 262, 263</td>
<td>10</td>
</tr>
<tr>
<td>Speech (CAS) 251</td>
<td>5</td>
</tr>
<tr>
<td>Electives (should be chosen from Psychology, Sociology, English Literature)</td>
<td>8</td>
</tr>
<tr>
<td>Total</td>
<td>100-105</td>
</tr>
</tbody>
</table>

**PRE-OPTOMETRY**

The requirements for admission into the various optometry schools and colleges are not identical. Contact the pre-optometry advisor, Dr. Donald Drapalik, for the specific requirements of each school. Typically, the requirements include courses in biology, calculus, chemistry, English, physics, psychology, and the social sciences.
The pre-optometry course requirements represent a minimum of three academic years of study. However, students are encouraged to obtain a four-year degree prior to application for Optometry School.

Direct individual inquiries are invited by the American Optometric Association, Department of Public Affairs, 243 N. Lindbergh Blvd., St. Louis, Missouri 63141 (Telephone (314) 991-4100).

PRE-MEDICINE
Biology 151, 152 and 10 hours of Biology electives 20 hours
Chemistry 181, 182, 183 and 371, 372 or 377, 378; and one additional advanced course 586 recommended 30 hours
Mathematics 151 and 152, or 165 and 166 5-10 hours
Physics 251, 252, 253; or 261, 262, 263 15 hours
Psychology 150 or Sociology 150 5 hours

PRE-DENTISTRY
Biology 151, 152 and 10 hours of Biology electives 20 hours
Chemistry 181, 182, 183 and 371, 372, or 377, 378 and 261 or 586 30 hours
Mathematics 151 and 152, or 165 5-10 hours
Mathematics 166 5 hours
Physics 251, 252, 253; or 261, 262, 263 15 hours
Psychology 150 or Sociology 150 5 hours
Speech (CAS) 251 5 hours

PRE-VETERINARY MEDICINE
Students interested in pursuing studies leading to the Doctor of Veterinary Medicine (DVM) must select a course of study leading to a bachelor's degree in an academic area. This curriculum is designed to qualify students for admission into a college of veterinary medicine.
Dr. Frank French, Department of Biology, serves as advisor to students in this program.
Biology 151, 152, 281, 282 and one other biology course 25 hours
Chemistry 181, 182, and 377, 378, or 371, 372 20 hours
English 151, 152; 251 or 252 or 253 15 hours

Mathematics 151 and 152, or 165 5-10 hours
Physics 251 and 252 or 253 10 hours
Highly recommended electives:
Biology 370, 472, 473, and 484 20 hours
Chemistry 588 5 hours
Mathematics 166 5 hours

COURSE DESCRIPTIONS
COLLEGE OF ARTS AND SCIENCES
Dr. Warren Jones, Dean

AFRICAN AND AFRICAN AMERICAN STUDIES
African and African American Studies is an interdisciplinary field including courses offered by several departments.
A. Young, Chair
AAS 350. INTRODUCTION TO SUB-SAHARAN AFRICA AND ITS DIASPORA
An overview of the African diaspora, the course focuses on the cultures and societies of people of African descent throughout the world with particular attention given to those living in Africa, the Caribbean, Brazil, and the United States.
AAS 399. SELECTED TOPICS IN AFRICAN AND AFRICAN AMERICAN STUDIES
AAS/ANT/SOC/AS 457. THE RURAL SOUTH
See SOC 457 for course description.
AAS/ANT 486. PEOPLES AND CULTURES OF AFRICA
See ANT 465 for course description.
AAS/ART 484. AFRICAN AMERICAN ART HISTORY
See ART 484 for course description.
AAS/CAT 356. AFRICAN AMERICAN THEATRE
See CAT 356 for course description.
AAS/ENG 363. AFRICAN AMERICAN LITERATURE
See ENG 363 for course description.
AAS/ENG 568. IMAGES IN AFRICAN-AMERICAN LITERATURE
See ENG 568 for course description.
AAS/FRE 355. NON-EUROPEAN FRANCOPHONE LITERATURE
See FRE 355 for course description.
AAS/HIS/AS 362. AFRICAN AMERICAN HISTORY TO 1877
See HIS 352 for course description.
AAS/HIS 353. AFRICAN AMERICAN HISTORY SINCE 1877
See HIS 353 for course description.
AAS/HIS/LAS 373. MEXICO AND THE CARIBBEAN
See HIS 373 for course description.

AAS/HIS 385. HISTORY OF SUB-SAHARAN AFRICA I
See HIS 385 for course description.

AAS/HIS 386. HISTORY OF SUB-SAHARAN AFRICA II
See HIS 386 for course description.

AAS/HIS 477. HISTORY OF AFRICAN NATIONALISM
See HIS 477 for course description.

AAS/HTH 452. COMMUNITY HEALTH ISSUES IN AFRICA
See HTH 452 for course description.

AAS/MUS/AS 360. HISTORY OF JAZZ
See MUS 360 for course description.

AAS/PSC/AS 356. AFRICAN AMERICAN POLITICS
See PSC 356 for course description.

AAS/PSC 379. AFRICAN POLITICS
See PSC 379 for course description.

AAS/SOC/AS 359. RACE AND ETHNIC RELATIONS
See SOC 359 for course description.

AAS/SOC 460. SOCIAL STRATIFICATION
See SOC 460 for course description.

AAS/SPA 458. AFRO-HISPANIC LITERATURE
See SPA 458 for course description.

AMERICAN STUDIES
American Studies is an Interdisciplinary field including courses offered by several departments. M. Geddy, Chair

AS 355. INTRODUCTION TO AMERICAN STUDIES
This course is designed as the first course in the minor program and as such will introduce the students to the interdisciplinary nature of American Studies. Prerequisite: ENG 151.

AS 399. SELECTED TOPICS IN AMERICAN STUDIES

AS 450. SEMINAR IN AMERICAN STUDIES
An interdisciplinary exploration of topics in American Studies. The seminar will encourage students to pursue specific problems encountered in their minor curriculum and to relate their major and minor disciplines. Students must complete 15 hours of electives in American Studies before enrolling in this course.

AS/ANT 453. NORTH AMERICAN ARCHAEOLOGY
See ANT 453 for course description.

AS/ANT 455. HISTORICAL ARCHAEOLOGY
See ANT 455 for course description.

AS/ANT 461. INDIANS OF THE SOUTHEASTERN UNITED STATES
See ANT 461 for course description.

AS/ANT 462. NORTH AMERICAN INDIANS
See ANT 462 for course description.

AS/ANT 599. SELECTED TOPICS IN ANTHROPOLOGY

AS/ART 387. AMERICAN ART HISTORY
See ART 387 for course description.

AS/ENG 350. THE AMERICAN DREAM
See ENG 350 for course description.

AS/ENG 361. AMERICAN LITERATURE
See ENG 361 for course description.

AS/ENG 362. AMERICAN LITERATURE
See ENG 362 for course description.

AS/ENG 561. THE AMERICAN NOVEL
See ENG 561 for course description.

AS/ENG 562. SOUTHERN LITERATURE
See ENG 562 for course description.

AS/ENG 567. COLONIAL AMERICAN LITERATURE
See ENG 567 for course description.

AS/GGY 451. GEOGRAPHY OF NORTH AMERICA
See GGY 451 for course description.

AS/GGY 453. GEOGRAPHY OF THE SOUTH
See GGY 453 for course description.

AS/GGY 487. HISTORICAL GEOGRAPHY OF NORTH AMERICA
See GGY 487 for course description.

AS/HIS 351. WOMEN IN AMERICAN HISTORY
See HIS 351 for course description.

AS/AAS/HIS 352. AFRICAN AMERICAN HISTORY TO 1877
See HIS 352 for course description.

AS/HIS 353. AFRICAN AMERICAN HISTORY SINCE 1877
See HIS 353 for course description.

AS/HIS 380. AMERICAN SOCIETY AND THOUGHT
See HIS 380 for course description.

AS/HIS 459. AMERICAN BIOGRAPHY
See HIS 459 for course description.

AS/HIS 462. AMERICAN ECONOMIC HISTORY
See HIS 462 for course description.

AS/HIS 465. THE BIRTH OF THE REPUBLIC
See HIS 465 for course description.

AS/HIS 481. CONSTITUTIONAL HISTORY OF THE UNITED STATES
See HIS 481 for course description.

AS/AAS/MUS 360. HISTORY OF JAZZ
See MUS 360 for course description.
AS/MUS 554. MUSIC OF THE UNITED STATES
See MUS 554 for course description.
AS/PHI 375. AMERICAN PHILOSOPHY
See PHI 375 for course description.
AS/AAS/PSC 356. AFRICAN AMERICAN POLITICS
See PSC 358 for course description.
AS/PSC 368. AMERICAN POLITICAL THOUGHT
See PSC 368 for course description.
AS/PSY 371. NATIVE AMERICAN LAW AND PUBLIC POLICY
See PSY 371 for course description.
AS/SOC 350. SOCIAL PROBLEMS
See SOC 350 for course description.
AS/SOC 352. URBAN SOCIOLOGY
See SOC 352 for course description.
AS/AAS/SOC 359. RACE AND ETHNIC RELATIONS
See SOC 359 for course description.
AS/SOC 457. THE RURAL SOUTH
See SOC 457 for course description.

ANTHROPOLOGY
Courses in anthropology are offered by the Department of Sociology and Anthropology. R. Branch, Chair Professors: R. Branch, C. Black, L. Bouma (Emeritus), R. Greenfield (Emeritus), H. Mobley (Emeritus) Associate Professors: S. Moore, R. Persico Assistant Professors: S. Hale, B. Hendry

ANT 150. INTRODUCTION TO ANTHROPOLOGY
An overview of general anthropology including its major sub-disciplines: cultural anthropology, archaeology, linguistics and biological anthropology. The course is a comparative study of humankind as a whole. It draws examples from the widest possible sample of peoples, cultures, and time periods to determine and explain the similarities and differences among peoples of the world.

ANT/FL 350. INTRODUCTION TO LANGUAGE
See FL 350 for course description.

ANT 351. WORLD ARCHAEOLOGY
Introduction to the archaeology of selected communities of the Old and New Worlds and the beginnings of cultural development. Prerequisite: ANT 150 or permission of instructor.

ANT 352. BIOLOGICAL ANTHROPOLOGY
The interaction of biological and cultural forces in shaping human behavior and physical diversity. Key areas of study include biocultural evolution, primatology and racial differentiation. Prerequisite: ANT 150 or permission of instructor.

ANT 353. CULTURAL ANTHROPOLOGY
The study of culture as the principal adaptive mechanism of human societies: its nature, structure and dynamics. Prerequisite: ANT 150 or permission of instructor.

ANT 359. SELECTED TOPICS IN ANTHROPOLOGY

ANT/AS 453. NORTH AMERICAN ARCHAEOLOGY
An introductory course on the archaeology of North America. Concentrates on the archaeology of native Americans, with emphasis on the southeastern United States. Prerequisite: ANT/AS 456. HISTORICAL ARCHAEOLOGY
Introduction to the field designed to provide a background in basic research methods in historical archaeology: and ethnohistory. Emphasis will be placed on regional studies of the southeastern United States. Prerequisite: ANT 150 or permission of instructor.

ANT 150 or permission of instructor.

ANT 456. GEORGIA ARCHAEOLOGY
A basic background in archaeology, specifically centered on the state of Georgia. It examines the archaeological record from earliest times through the antebellum period in an attempt to place Georgia in the larger archaeological setting of the southeastern United States. Prerequisite: ANT 150 or permission of instructor.

ANT/SOC/AS/AAS 457. THE RURAL SOUTH
A study of the lifeways and social organization of rural society with emphasis on the South. Examines social institutions, community dynamics, social change and the cultural distinctives of the region. Prerequisite: ANT 150 or SOC 150 or permission of instructor.

ANT/HIS 459. AMERICAN MATERIAL CULTURE
An introduction to the study of the non-literary remains of our society, past and present. Vernacular and polite architecture, ceramics, mortuary art, community and settlement patterns, dress, diet, and disease are among the topics that will be discussed. Prerequisite: ANT 150 or permission of instructor.

ANT/AS 461. INDIANS OF THE SOUTHEASTERN UNITED STATES
A study of the lifeways of the native peoples of the southeastern United States from the time of European contact to the present. The focus will
be on understanding the culture system as an integrated whole. Prerequisite: ANT 150 or permission of the instructor.

ANT/AS 462. NORTH AMERICAN INDIANS
A study of the lifeways of the Native North Americans. The focus will be on traditional Native American cultures from the period of White contact to the present. Emphasis will be on understanding the variety of Native American cultures in different parts of the continent and their changing character. Prerequisites: ANT 150 or permission of the instructor.

ANT/HIS 463. FOLKLIFE
A survey of the creation and persistence of tradition in societies and of the process of change, as demonstrated in such aspects as narrative, music, song, celebration, festival, belief and material culture. Emphasis will be given to understanding the multi-ethnic nature of the traditions in American life. Prerequisite: ANT 150 or permission of instructor.

ANT/SOC 464. CULTURE AND PERSONALITY
See SOC 464 for course description.

ANT/AAS 465. PEOPLES AND CULTURES OF AFRICA
A comparative study of the lifeways of African peoples south of the Sahara. Traditional cultures, modern development and the course of culture change in various regions are covered. Prerequisite: ANT 150 or permission of instructor.

ANT 468. CULTURE AND PSYCHOPATHOLOGY
Examination of mental illness from a cultural and social perspective. Epidemiological evidence relating to cultural and social variation in definition, identification and treatment. The subcultures of psychosis and treatment systems. Examination of theories of the relationships between culture and psychotic syndromes. Prerequisite: PSY 364 or permission of the instructor.

ANT 470. APPLIED ANTHROPOLOGY
A survey of the fields of applied anthropology including career options. Concepts and knowledge from all areas of anthropology are brought to bear on social and cultural issues and problems accompanying change, development and modernization. Prerequisite: ANT 150 or permission of instructor.

ANT 475. ETHNOGRAPHIC FIELD METHODS
A study of techniques of gathering, recording, ordering, and utilizing ethnographic data in the field. Prerequisite: ANT 150.

ANT 481. METHODS AND THEORY IN ARCHAEOLOGY
Designed to augment Anthropology 491 but may be taken singly. Examination and application of current topics in archaeology relating to excavation strategy and interpretation. Prerequisites: Permission of the instructor and ANT 150, 351 or 352.

ANT 491. FIELD SESSION IN ARCHAEOLOGY
On-site participation in the excavation of an archaeological site including training in the physical and observational techniques of the extractive processes of archaeological excavation. Responsibility for excavation, analysis recording, and interpretation of archaeological materials is provided. Prerequisite: ANT 150, 351 or 352. Permission of instructor. Group limited. Credit 10 hours.

ANT 499. DIRECTED STUDY
Independent study under faculty supervision. Prerequisite: Consent of supervising faculty.

ANT 552. PRACTICUM IN ARCHAEOLOGICAL ANALYSIS
Offered on demand. The application of archaeological interpretative techniques to a specific site or analytical problem. Individual research projects in the interpretation of archaeological data and the conservation of artifactual finds with special attention to the care and storage of collections, display in the museum setting, and the presentation of archaeologically derived information. Prerequisite: ANT 150 or permission of instructor.

ANT/CA/ENG 563. SOCIOLINGUISTICS
See ENG 563 for course description.

ANT 582. COMPARATIVE SOCIAL STRUCTURES
A cross-cultural examination of design in the social structure of societies; problems of comparative ethnography and the minimal structures for societal maintenance and survival. Prerequisite: ANT 150.

ANT 583. ETHNOLOGICAL THEORY
The study of the major theories of culture: evolutionary approach, culture area, historical analysis, functionalism, role structures and comparative methods. Prerequisite: Anthropology 150.

ANT 591. FIELDWORK IN HISTORICAL ARCHAEOLOGY
This course is designed to familiarize students with basic archaeological field techniques within the context of an ongoing archaeological
excavation. Students will participate in mapping, field drawing, excavation, processing and cataloging archeological materials from a multicomponent site. The fieldwork will be an intensive introduction to practical archaeology.

ANT/AS 599. SELECTED TOPICS IN ANTHROPOLOGY

ART
Courses in art are offered by the Department of Visual Arts.
R. Tichich, Chair
Professors: S. Bayless (Emeritus), F. Germant (Emerita), J. Olson (Emeritus), R. Remley (Emerita), B. Solomon, R. Tichich
Associate Professors: J. Hines, H. Ille, J. Pleak, T. Steadman
Assistant Professors: B. Little, J. Rhoades, R. Sonnema, P. Walker
Temporary Assistant Professors: T. Cato, S. Palmisano, Iris Sandkühler, S. Zalesch
Instructors: M. Cochran, L. Hale (on leave).

SENIOR EXHIBITION
Candidates seeking a B.A., B.F.A. or B.S. Ed. Degree in Art are required to present a Senior Exhibition of their art work which will be reviewed by a faculty committee and should be presented within the last two quarters of study in the art department.

ART 151. DRAWING I
An introduction to the basic materials and methods of drawing. Students will develop skills in direct observation, composition, and techniques using still-life and natural forms.

ART 152. TWO-DIMENSIONAL DESIGN
Emphasizes two-dimensional design through analysis of line, texture, color, size, shape and mass. Individual experiences with a variety of media.

ART 160. ART IN LIFE
A general introduction to art and aesthetics and their role in human life and culture. Includes discussion and analysis of architecture, sculpture, painting, ceramics, drawing, printmaking, photography, design and other art forms from various historical periods and world cultures.

ART 250. PAINTING I
An introduction to oil and/or acrylic painting through a variety of studio experiences with emphasis on direct observations. Prerequisites: ART 150 and ART 257 or consent of instructor.

ART 251. DRAWING II
Through direct observation and experimentation the student is led to develop a personal approach to expression. The figure, landscape and still-life will be examined in a variety of materials. Prerequisite: ART 152 and 250.

ART 252. THREE-DIMENSIONAL DESIGN
A study of design as related to aspects of spatial form, involving a study of concepts, materials and processes.

ART 254. PRINTMAKING I
Introductory study of printmaking in the following processes: stencil, relief, intaglio and planographic. Prerequisite: ART 151 and ART 152, or consent of instructor.

ART 255. CERAMICS I
An introduction to clay and the various techniques of working with it, including pinching, coil construction, slab building, architectural relief, wheel throwing, glazing and firing. Prerequisite: ART 252 or consent of instructor.

ART 256. SCULPTURE I
A study of the processes and concepts of sculpture. Experience with a variety of media and materials. Prerequisite: ART 252.

ART 257. COLOR THEORY
A systematic exploration of the perceptual and affective properties of color through the study of fundamental color theories and studio practices with various media.

ART 258. PHOTOGRAPHY I
An introduction to personal expression through various photographic media.

ART 280. HISTORY OF ART I
A chronological survey of the visual arts from prehistoric times through the Middle Ages. Emphasis is on architecture, sculpture, painting, and applied arts. The course introduces questions of style, meaning and cultural context for works of art.

ART 281. HISTORY OF ART II
A chronological survey of the visual arts from the Renaissance to modern times. Emphasis is on architecture, sculpture, painting, and applied arts. The course introduces questions of style, meaning and cultural context for works of art. Prerequisite: ART 280.

ART 285. PAINTING II
This advanced painting class uses the studio experience to further the student's understanding of paint as an expressive medium. Emphasis is on the cultivation of personal imagery and creative exploration as informed by a knowledge of traditional and contemporary art. Prerequisite: ART 250.
ART 351. LIFE DRAWING
The human figure is used as a source for composition. A variety of drawing media are employed. Prerequisites: ART 151, ART 152 or consent of instructor.

ART 352. LETTERING AND LAYOUT
Study and application of layout, lettering, display and illustration, as used in advertising, fashion design and interior design. Experimentation in various media. Prerequisites: ART 151, ART 152, or consent of instructor.

ART 354. PRINTMAKING II
Study of various printmaking processes with emphasis on one process. Exact content of the course will be determined individually between the instructor and the student. Prerequisite: ART 254.

ART 355. CERAMICS II
Intermediate instruction in selected areas of construction techniques, glazing and firing. Emphasis will also be placed on historical and aesthetic concerns. Prerequisites: ART 255, ART 356.

ART 356. SCULPTURE II
Advanced work in the concepts and processes of sculpture. Prerequisite: ART 256 or consent of instructor.

ART 358. PHOTOGRAPHY II
An exploration of creative self expression through black and white and/or other photographic media. Prerequisite: ART 258 or consent of instructor.

ART 359. DESIGN OF ENVIRONMENTS
This course provides the student with the tools for solving problems inherent in environmental design. Prerequisites: ART 151, ART 152 and ART 252 or consent of instructor.

ART 370. ART FOR CHILDREN AND YOUTH
An examination of the artistic development of the child and the preadolescent. Class experiences prepare the student to teach in the areas of art history, art criticism, aesthetics and studio production.

ART 371. ART FOR ADOLESCENTS
Theory and methods related to teaching visual art in the secondary schools including studio production, art history, art criticism and aesthetics.

ART 380. ANCIENT ART HISTORY
Study of the architecture, sculpture, painting and applied arts of major civilizations in the Middle East and the Mediterranean world from prehistory to the fall of Rome. Prerequisite: ART 280 or consent of instructor.

ART 381. MEDIEVAL ART HISTORY
Study of the architecture, sculpture, and painting in Europe and the Mediterranean world from the fall of Rome to the thirteenth century. Prerequisite: ART 280 or consent of instructor.

ART 382. RENAISSANCE ART HISTORY
Study of the architecture, sculpture, and painting from the fourteenth through the sixteenth centuries with emphasis on developments in Italy and Northern Europe. Prerequisites: ART 280 and ART 281 or consent of instructor.

ART 383. BAROQUE AND ROCOCO ART
Study of the architecture, sculpture, painting and graphic arts in Europe during the seventeenth and eighteenth centuries. Prerequisites: ART 280 and ART 281 or consent of instructor.

ART 384. NINETEENTH-CENTURY ART
Study of the visual arts in Europe and America from the late eighteenth through the late nineteenth centuries with an emphasis on developments in France. ART 280 and ART 281 or consent of instructor.

ART 385. TWENTIETH-CENTURY ART HISTORY
Study of the major artists and art movements from the late nineteenth century to the present. Prerequisites: ART 280 and ART 281 or consent of instructor.

ART 386. ART OF ASIA AND THE FAR EAST
Study of art and architecture from the major cultures in Asia and the Far East, including India, Indonesia, China, Korea and Japan. Prerequisites: ART 280 and ART 281 or consent of instructor.

ART/AS 387. AMERICAN ART
Study of the development of the Fine Arts in the United States from the seventeenth century to the present. Prerequisites: ART 280 and ART 281 or consent of instructor.

ART 399. SELECTED TOPICS IN ART
ART 401, 402, 403. PORTFOLIO
To be taken the last three quarters in residence, the course is worth one credit hour per quarter. The entire sequence need not be taken. The course includes preparation of resumes, portfolio slides for graduate school entrance requirements, preparation and presentation of works for juried and non-juried exhibitions, and oral examinations.

ART 450. ADVANCED PAINTING
Advanced problems in painting. Prerequisite: ART 350 or permission of instructor. Four double periods per week.
ART 451. ADVANCED DRAWING
Advanced drawing problems which lead to an understanding of the impact that drawing materials and processes have on a work's final expressive qualities. Prerequisite: ART 251.

ART 452. COMMERCIAL DESIGN
Advanced problems in commercial design. Prerequisite: ART 352 or consent of instructor.

ART 454. ADVANCED PRINTMAKING
Individual directed study in either a specific printmaking medium or toward the creation of a portfolio or an artist's book. Prerequisite: ART 354 or consent of instructor.

ART 455. ADVANCED CERAMICS
Advanced instruction in clay manipulation and techniques. Students are encouraged to develop historical awareness, aesthetic sensitivity and technical ability. Prerequisite: ART 355 or consent of instructor.

ART 456. ADVANCED SCULPTURE
Advanced work in the concepts and processes of sculpture. Prerequisite: ART 356 or consent of instructor.

ART 458. ADVANCED PHOTOGRAPHY
Intensive exploration of a variety of photographic methods to achieve an advanced level of personal expression and an understanding of aesthetics. Prerequisite: ART 358 or consent of instructor.

ART 480. SEMINAR IN FINE ARTS
Directed readings and discussions on selected topics in the fine arts. Prerequisites: ART 280 and ART 281 or consent of instructor.

ART 481. CONTEMPORARY ART
Study of the major issues, trends and personalities in the visual arts within the last decade. Prerequisites: ART 280 and ART 281 or consent of instructor.

ART 482. ART HISTORY STUDIES IN EUROPE
A study of important works of art in museums, galleries, and churches on location in Europe. Prerequisites: ART 280 and ART 281 or consent of instructor.

ART/AS/AAS 484. AFRICAN AMERICAN ART HISTORY
A study of African American art and design from the period of precolonial Africa to the contemporary United States. The course investigates the creativity and cultural identity of African Americans and their contribution to the visual culture in America. Prerequisites: ART 280 and ART 281 or consent of instructor.

PROBLEMS COURSES IN ART
Individual research beyond completion of a full sequence in a particular subject through the highest numbered courses. Prerequisite: approval of faculty member.

ART 490. PROBLEMS IN DRAWING
ART 491. PROBLEMS IN PAINTING
ART 492. PROBLEMS IN WATERCOLOR
ART 493. PROBLEMS IN DESIGN
ART 495. ADVANCED PRINTMAKING
ART 496. PROBLEMS IN CERAMICS
ART 497. DESIGN PRACTICUM
Five to fifteen credit hours student participation in directed experiences and problems in design on or off campus. Prerequisite: ART 357 or consent of instructor.

ART 498. PROBLEMS IN PHOTOGRAPHY
ART 590. PROBLEMS IN SCULPTURE
ART 593. PROBLEMS IN COMMERCIAL DESIGN
ART 595. ART HISTORY RESEARCH
Independent research and study on selected topics in art history. Prerequisite: consent of instructor.

ART 599. SELECTED TOPICS IN ART

BIOLOGY
Courses in Biology are offered by the Department of Biology.

J. Parrish, Chair

Professors: S. Bennett, J. Boole (Emeritus), J. Diebolt, F. French, D. Hagan, E. Hibbs (Emeritus), W. Krissinger, B. Lovejoy (Emeritus), S. McKeever (Emeritus), J. Oliver, J. Parrish
Associate Professors: J. Claiborne, J. Copeland, D. Drapalik, K. Maur, T. Spires (on leave), L. Wagner

Temporary Associate Professor: D. Gantt
Assistant Professors: W. Iby, D. McLain, B. Moulton, M. Moulton, A. Pratt, O. Pung, S. Vives
Temporary Assistant Professors: Colleen Keery
Temporary Instructor: Clinton Ready

Adjunct Professors: W. Caster, J. Lee, D. Menzel, H. Sengbusch, H. Windom

Adjunct Associate Professor: R. Hanson

BIO 151. GENERAL BIOLOGY I
An introductory course in the basic principles of biology. Areas considered are the organization of life at the molecular, cellular, and organismal levels. Four lecture and two laboratory hours per week.

BIO 152. GENERAL BIOLOGY II
An introductory course in the basic principles of biology. Areas considered are genetics, reproduction and development, evolution, behavior
and ecology. Four lecture and two laboratory hours per week. Prerequisite: Biology 151.

**BIO 165. PEOPLE AND THE ENVIRONMENT**
A consideration of environmental issues including human impact on the earth, population growth, conservation, energy production, and pollution. Importance of maintaining the earth’s support systems will be stressed.

**BIO 271. HUMAN ANATOMY AND PHYSIOLOGY I**
An introduction to the basic biological processes and the form and function of the human body, followed by an integrated study of the skeletal, muscular, nervous and endocrine systems. Three lecture and four laboratory hours per week. Prerequisite: Biology 271 or permission of instructor.

**BIO 272. HUMAN ANATOMY AND PHYSIOLOGY II**
A continuation of the study of the form and function of the human body, with integrated studies of the cardiovascular, respiratory, digestive and urogenital systems. Three lecture and four laboratory hours per week. Prerequisite: Biology 271 or permission of instructor.

**BIO 281. GENERAL ZOOLOGY**
A general survey of the major phyla of the animal kingdom with emphasis on biological processes, life histories and phylogenetic relationships of animals. Three lecture and four laboratory hours per week. Prerequisites: Biology 151 and 152.

**BIO 282. GENERAL BOTANY**
A general survey of the major divisions of the plant kingdom with emphasis on biological processes, life histories, and phylogenetic relationships of plants. Three lecture and four laboratory hours per week. Prerequisites: Biology 151 and 152.

**BIO 284. MICROBIOLOGY**
Fundamental principles of microbiology dealing with health and nutrition. Topics will include structure, physiology, and economic importance of microorganisms. Three lecture and four laboratory hours per week. Prerequisites: five hours of biology and CHE 172.

**BIO 353. GENERAL ORNITHOLOGY**
An introduction to the study of birds, emphasizing field identification, classification, and life histories of Georgia species. Structural, physiological, and behavioral adaptations are also considered. Field trips required. Three lecture and four laboratory hours per week. Prerequisites: ten hours of biology. Biology 281 recommended.

**BIO 365. FIELD BIOLOGY**
A field introduction to plants and animals of the Georgia Coastal Plain. Lecture, laboratories, field collections, identification, and natural history are included. Week-end field trip required. Three two-hour lecture-laboratories and one-hour lecture per week. Prerequisites: ten hours of biology.

**BIO 383. FIELD BOTANY**
An introduction to plant taxonomy with primary emphasis on identification and classification of local flora. Two lecture and six laboratory hours per week. Prerequisites: BIO 281 and 282 or permission of instructor.

**BIO 384. FIELD ENTOMOLOGY**
A two-week, concentrated, introductory study of insects (held off campus). Collections, identification, field laboratory and lecture included. Credit toward the biology degree may be received for BIO 384 or BIO 454, but not for both. Prerequisites: ten hours of biology and permission of instructor.

**BIO 370. CELL STRUCTURE AND FUNCTION**
Structure and physiology of cells and subcellular organelles. Topics include membrane transport, DNA, RNA and protein synthesis, cellular respiration, photosynthesis, and the secretion, synthesis, and function of macromolecules. Four lecture and three laboratory hours per week. Prerequisites: Biology 281 and 282 and ten hours of chemistry.

**BIO 381. INVERTEBRATE ZOOLOGY**
A survey of free living invertebrates including their anatomy, taxonomy and phylogeny. Three lecture and four laboratory hours per week. Prerequisites: BIO 281 and 282 or permission of instructor.

**BIO 382. VERTEBRATE ZOOLOGY**
A study of the vertebrates with emphasis on classification, identification, evolution, distribution, and life histories of local vertebrate faunas. Three lecture and four laboratory hours per week. Prerequisites: BIO 281 and 282 or permission of instructor.

**BIO 383. NON-VASCULAR PLANTS**
A general survey of the algae, fungi, lichens, and bryophytes stressing the identification, morphology, life cycles and economic importance of selected common forms with special emphasis on their role in the ecosystem. Three lecture and four laboratory hours per week. Prerequisites: BIO 281 and 282 or permission of instructor.
BIO 384. VASCULAR PLANTS
A general survey of the vascular plants including life histories, morphology, ecology and identification. Time will be devoted to studying the common plants on campus. Three lecture and four laboratory hours per week. Prerequisites: BIO 281 and 282 or permission of instructor.

BIO 399. SELECTED TOPICS IN BIOLOGY
BIO 431. SENIOR SEMINAR
A group study of selected biological topics held in conjunction with the normal seminar schedule of the Department of Biology. Current concepts in biology will be discussed during the quarter. The selected topic or topics, which will vary each quarter, will be led by members of the faculty and invited lecturers. Required of all biology majors. Three hours lecture per week. Prerequisites: 35 hours of Biology.

BIO 450. BASIC PHYSIOLOGY
Emphasis on understanding basic physiological principles through demonstrations and experiments suitable for the elementary and secondary grades. Prerequisites: 20 hours of science which must include at least 5 hours of mathematics.

BIO 451. COMPARATIVE VERTEBRATE EMBRYOLOGY
Embryonic development of the chordates with emphasis on interpretation of experimental procedures. Three lecture and four laboratory hours per week. Prerequisites: Biology 281 and 282.

BIO 454. GENERAL ENTOMOLOGY
Phylogeny, morphology, physiology, and ecology of insects and their relationship to man. Collection and identification of local insects are included. Two lecture and six laboratory hours per week. Credit toward the biology degree may be received for BIO 364 or BIO 454, but not for both. Prerequisites: BIO 281 and 282.

BIO 457. PARASITOLOGY
General principles of parasitism and the classification, morphology and life cycles of parasites of vertebrates. Three lecture and four laboratory hours per week. Prerequisites: Biology 281, 282, plus five additional hours of biology.

BIO 460. PLANT PHYSIOLOGY
A study of the life processes of plants with emphasis on higher plants. Two lecture and six laboratory hours per week. Prerequisites: Biology 281, 282, and 370.

BIO 461. PLANT ANATOMY
A study of the comparative anatomy of vascular plants. Consideration is given to cell types, tissues, and tissue systems. Prerequisites: Biology 281, 282, and 370.

BIO 464. HERPETOLOGY
Phylogeny, morphology, life history and ecology of reptiles and amphibians. Field identification of local species will be emphasized. Three lecture and four laboratory hours per week. Prerequisites: Biology 281 and 282.

BIO 465. EVOLUTION
Concepts and mechanisms of evolution including origin and history of life, variation and population genetics, natural selection and speciation. Prerequisites: 15 hours of biology or consent of instructor.

BIO 466. MAMMALOLOGY
Classification, evolution, distribution, and life histories of mammals with emphasis on mammals of Georgia. The laboratory includes identification and preparation of specimens and the practice of field techniques. Field trips required. Four lecture and three laboratory hours per week. Prerequisites: Biology 281 and 282. Biology 382 recommended. Offered in alternate years.

BIO 472. GENETICS
The study of inheritance at the biochemical, cytological, organismic and population levels in sexually reproducing organisms. The laboratory is investigative in nature. Three lecture and four laboratory hours per week. Prerequisites: BIO 370 or consent of instructor.

BIO 473. PRINCIPLES OF ECOLOGY
A study of the relationships of plants and animals to the environment. Laboratory work deals with methods of ecological analysis. Three lecture and four laboratory hours per week. Prerequisites: Biology 281 and 282.

BIO 474. POPULATION BIOLOGY
Analysis of the dynamics of wild populations, including single-species growth models, predation, competition, and mutualism. Prerequisites: MAT 151, BIO 281 and 282 or permission of the instructor.

BIO/STA 476. STATISTICAL METHODS I
See STA 476 for course description.

BIO/STA 477. STATISTICAL METHODS II
See STA 477 for course description.

BIO 480. ANIMAL ANATOMY
A study of the structural systems of mammals. Special emphasis is given to the primates and the interrelationships between microscopic and gross anatomy. Three lecture and four laboratory hours per week. Prerequisites: Biology 281 and 282. Biology 370 recommended.
BIO 481. ANIMAL PHYSIOLOGY
A comparative study of the function and regulation of the major organ systems in animals. Emphasis will be given to the physiology of mammalian systems. Three lecture and four laboratory hours per week. Prerequisites: BIO 151 and 152. BIO 370 and 480 recommended.

BIO 484. BACTERIOLOGY
A survey of bacteriology with emphasis on fundamental techniques, microbial physiology, medical applications, and contemporary aspects of applied bacteriology. Three lectures and two two-hour laboratories per week. Prerequisites: Biology 370 or organic chemistry.

BIO 490. SPECIAL PROBLEMS IN BIOLOGY
Well prepared biology majors may be permitted to carry on independent study upon the recommendation of the instructor with whom the student wishes to work. The recommendation must have the approval of the head of the biology department. Limited to five hours credit.

BIO 491. FIELD INTERNSHIP IN BIOLOGY
Qualified biology majors may acquire practical experience by working with a government agency that specializes in the proposed area of study. Faculty members of the biology department will act as consultants. Internships must be approved by the head of the biology department. Limited to 15 hours credit.

BIO 532. CYTOGENETICS
A study of chromosomes, chromosomal aberrations, and cytological maps. Consideration is given to mitosis and meiosis as bases of genetic stability and recombination and genetics of species formation. Three one-hour lectures per week. Prerequisites: Biology 472 and 20 additional hours of biology.

BIO 534. ENDOCRINOLOGY
A study of endocrine mechanisms, their evolution, and their importance to various levels of biological organization. Primary emphasis is on the vertebrates. Three one-hour lectures per week. Prerequisites: Chemistry 378, Biology 481, and 20 additional hours in biology.

BIO 535. BIOLOGICAL SYSTEMATICS
The needs, aims, and methods of biological taxonomy will be considered. The botanical and zoological rules and methods of nomenclature will be discussed. Three one-hour lectures per week. Prerequisites: 25 hours of biology.

BIO 550. MEDICAL-VETERINARY ENTOMOLOGY
An intensive study of the role of insects and closely related arthropods in the transmission, dissemination, and causation of diseases of man and animals. Consideration will be given to the identification of vector arthropods, the diseases for which they are responsible, arthropod survival mechanisms, the ecology of vector species, and modern vector control. Three lecture and four laboratory hours per week. Prerequisites: BIO 364, 381, or 454 and 25 additional hours of biology.

BIO 552. GENERAL ACAROLOGY
An introduction to the morphology, systematics, physiology, behavior, and ecology of mites and ticks. Special emphasis is placed on ticks and parasitic mites and their relationships to man, other animals, and plants. Three lecture and four laboratory hours per week. Prerequisites: 30 hours of biology and permission of instructor.

BIO 553. IMMUNOLOGY
A detailed study of the structure and biology of antigens, immunoglobulins and complement, and of methods for their detection. The cellular basis of the immune response is studied in depth. Immediate and delayed hypersensitivity and immunization and its consequences are discussed. Three lecture and four laboratory hours per week. Prerequisites: BIO 370, 472 and CHE 378 or consent of instructor.

BIO 564. MYCOLOGY
A study of the fungi, stressing classification, identification, structure, economic importance, and symbiotic relations with other organisms. Dermatophytes will also be emphasized. Three lecture and four laboratory hours per week. Prerequisites: Biology 281 and 282. Ten hours of chemistry recommended.

BIO 566. PLANT PATHOLOGY
A detailed study of representative common plant diseases and disorders with emphasis on concepts of diagnosis, causes, epidemiology, and methods of control. Three lecture and four laboratory hours per week. Prerequisites: Biology 281 and 282.

BIO 571. BIOLOGICAL MICROTECHNIQUE
A study of basic techniques for the preparation of biological material. Two lecture and six laboratory hours per week. Prerequisites: 20 hours of biology including Biology 281 and 282.

BIO 578. HISTOLOGY
A study of the origin, development, structure and function of vertebrate tissues. Lecture and laboratory. Prerequisites: Biology 281 and 282.

BIO 590. ADVANCED FIELD ECOLOGY
A field expedition involving ecological investigations of a major biome or natural area of North America. Expeditions normally require four to
CHE 181, 182, 183. GENERAL CHEMISTRY
A three-quarter sequence for science majors, stressing the fundamental principles and the quantitative aspects of chemistry. Topics considered include: atomic theory, chemical bonding, kinetic-molecular theory, solutions, kinetics, equilibria, electrochemistry, and descriptive inorganic chemistry. CHE 183 includes qualitative analysis. Four lectures and one three-hour laboratory per week.

CHE 261. QUANTITATIVE ANALYSIS
A study of the principles, techniques and calculations of quantitative determinations in volumetric and gravimetric analysis. Four lectures and one four-hour laboratory period per week. Prerequisite: CHE 183.

CHE 362, 363. INSTRUMENTAL ANALYSIS I AND II
A two-course sequence of instrumental analysis involving a study of the principles, theories and applications of chromatography, electrochemistry, spectroscopy and other techniques in modern instrumental analysis. Four lectures and one four-hour laboratory period per week. Prerequisite: CHE 261.

CHE 371, 372, 373. ORGANIC CHEMISTRY
A study of the aliphatic and aromatic series of carbon compounds designed for the chemistry major, emphasizing relationships between structure, mechanism and reactivity. Four lectures and one four-hour laboratory period per week. Prerequisite: Chemistry 182, or consent of instructor.

CHE 377, 378. ORGANIC CHEMISTRY
A study of the aliphatic and aromatic series of carbon compounds emphasizing descriptive chemistry of functional groups. Four lectures and one three-hour laboratory period per week. Prerequisite: Chemistry 182.

CHE 380. INTRODUCTION TO BIOCHEMISTRY
A study of the intermediary metabolism of carbohydrates, lipids, proteins, and nucleic acids with emphasis upon common and regulatory pathways and upon the related functions of vitamins, hormones and minerals. Four lectures and three laboratory hours per week. Prerequisite: Chemistry 172, or consent of instructor.

CHE 399. SELECTED TOPICS IN CHEMISTRY
CHE 499. SPECIAL PROBLEMS IN CHEMISTRY
A course in which independent research problems may be undertaken with the permission of
the chemistry faculty and the instructor under whose direction the student wishes to work. Not more than 5 quarter hours may be counted toward the major.

CHE 521. THE LITERATURE OF CHEMISTRY
A two-hour course in the effective use of the library resources in chemistry: journals, abstracts, reviews and other reference works of importance. Two lecture periods per week. Prerequisite: Chemistry 362, 373, or consent of instructor.

CHE 522. SCIENTIFIC GLASSBLOWING
A laboratory course designed to develop fundamental glassblowing skills required for construction of glass apparatus used in scientific investigations. Two two-hour laboratory periods per week. Prerequisite: Upper division (sophomore +) science major.

CHE 551. NUCLEAR AND RADIOCHEMISTRY
A study of the structure and properties of the atomic nucleus, radioactivity, and modes of radiation decay, interactions of radiation with matter and radiation detection and measurements. Four lectures and one three-hour laboratory period per week. Prerequisites: MAT 166, CHE 373 or 378, or consent of instructor.

CHE 554. ADVANCED INORGANIC CHEMISTRY
A study of selected topics in inorganic chemistry. Among the topics discussed will be atomic structure, chemical bonding, the periodic law, acid-base theories, coordination compounds and organometallic chemistry. Four lectures and three laboratory hours per week. Prerequisites: CHE 371-373, CHE 581-583 or consent of instructor.

CHE 581, 582, 583. PHYSICAL CHEMISTRY
A three-course sequence covering fundamental principles. Chemistry 581 covers gas laws and the fundamentals of chemical thermodynamics. Chemistry 582 covers chemical and phase equilibria, electrochemical phenomena and kinetics. Chemistry 583 covers quantum chemistry, photochemistry, spectroscopy and structure (crystals, solids, macromolecules). Four lectures and one three-hour laboratory per week. Prerequisites: CHE 261, MAT 166-167, PHY 251, 252, 253 or 261, 262, 263.

CHE 586, 587, 588. BIOCHEMISTRY
A three-course sequence covering fundamental principles. Chemistry 586 is a survey of the biochemistry of proteins, carbohydrates, lipids, membranes and enzymes with emphasis on their structure and functions in major metabolic pathways. Chemistry 587 will emphasize intermediary metabolism involving a survey of the pathways of degradation and synthesis of carbohydrates, lipids, and amino acids. Chemistry 588 will emphasize nucleic acid chemistry, including replication, transcription, translation and related topics. Four lectures and one four-hour laboratory per week in CHE 586 and CHE 587. Five lectures (no lab) per week for CHE 588. Prerequisites: CHE 371, 372, 373 or CHE 377, 378.

COMMUNICATION ARTS
Courses in communications, broadcasting, film, journalism, public relations, speech and theatre are offered by the Department of Communication Arts.

D. Addington, Chair
Professors: D. Addington, M. Shytes (Emerita)
Associate Professors: G. Dartt, D. Gibson, R. Johnson
Assistant Professors: P. Bourland, H. Fulmer, C. Geyerman, B. Graham, D. Kluever, B. Merrick, K. Murray, P. Pace, V. Rowden, M. Whitaker, J. Williams, E. Wyatt
Temporary Assistant Professor: M. Jeffries, P. Lewis
Instructors: D. Burns, T. Carter (on leave), J. Clayton, C. Yarbrough
Temporary Instructors: R. Bohler, B. Fields

CA 210. COMMUNICATION CONVOCATION
An entry-level course for those pursuing the Bachelor of Science in communication arts and journalism. It is intended to acquaint the student with the variety of subject matter available in the discipline and with the faculty of the department.

CA 250. INTRODUCTION TO MASS COMMUNICATION
An introduction to print and electronic mass communication as well as media-related professions. The course surveys the media's historical development in the United States, structure, social roles and theories. Prerequisite: ENG 151.

CA 252. INTRODUCTION TO HUMAN COMMUNICATION
A beginning course designed to help students understand the nature of the communication transaction in its various forms: interpersonal, public, small group, theatrical, etc. Prerequisite: ENG 151.

CA 254. VOICE AND PHONETICS
Fundamentals of vocal acoustics, anatomy, and voice production as well as practice designed to aid the student in using the voice more effec-
tively and efficiently. The course also includes study and practice in the use of the Interna-
tional Phonetic Alphabet.

CA 349. MEDIA CRITICISM
This course is intended to familiarize students with dominant paradigms currently used in
television studies. Particular emphasis will be
given to theories addressing the social context of
the media and criticism as a rhetorical act.
CA 399. SELECTED TOPICS IN
COMMUNICATION ARTS
This course focuses on three essential issues in
the study of women and their relationship to the
mass media: 1) the representations of femininity and female characters, with
emphasis on contemporary film and television; 2) the
history and current status of women within
media institutions; 3) the reception of media
texts by female audiences and the media's role
in women's daily lives. Prerequisite: CA 250 or
consent of instructor.

CA 440. THEORIES OF MASS
COMMUNICATION
Theories of Mass Communication examines the
development of mass media systems and the
resulting theoretical perspectives. The course
encourages theory application as a means of
understanding and explaining what happens to
us individually and as members of a society as
mass communication became possible and
now as media systems are being adapted.
Prerequisite: CA 250.

CA/WGS 441. WOMEN AND MEDIA
This course focuses on three essential issues in
the study of women and their relationship to the
mass media: 1) the representations of femininity and female characters, with
emphasis on contemporary film and television; 2) the
history and current status of women within
media institutions; 3) the reception of media
texts by female audiences and the media's role
in women's daily lives. Prerequisite: CA 250 or
consent of instructor.

CA 442. ADVANCED LAW AND ETHICS
An evaluation of contemporary media regula-
tions/law and ethical issues by way of case
analysis along with study of the evolution of
media regulation for understanding of past,
present, and future media performance. Prereq-
quisite: CAB/CAJ 345.

CA 497. CONTEMPORARY COMMUNICATION
APPLICATION
Communication perspectives are offered for the
analysis of a selected contemporary topic. The
course includes discussion of appropriate
communication models and their analytic
applications to a selected contemporary topic
(e.g. communication and the family). Course
may be repeated a maximum of two times for
credit. Prerequisite: Permission of Instructor.
CA/ANT/ENG 563. SOCIOLINGUISTICS
See ENG 563 for course description.
CA 599. SELECTED TOPICS IN COMMUNI-
CATION ARTS

BROADCASTING
CAB 340. TELECOMMUNICATIONS
A study of the operations of electronic media
with emphasis on an emerging information-
based economy. This course offers theoretical
and practical knowledge towards understanding
and forecasting the roles of new and evolving
media technologies, rationale for federal con-
trols, and intra-inter-media operations. Prerequi-
site: CA 250.

CAB 344. BROADCAST PROGRAMMING
A study of programming techniques used in
radio and television broadcast stations.

CAB/CAJ 345. LAW AND ETHICS OF MASS
COMMUNICATIONS
A survey of freedom of speech and press and
its limitations by laws governing libel, privacy,
copyright, contempt, free press, broadcast
regulation, fair trial, and reporter's shield.
Broadcast industry self-regulation and ethical
contigs of mass communication will be dis-
cussed.

CAB 346. BROADCAST MANAGEMENT
A study of the organization and operation of
broadcasting station policies and procedures.
Prerequisites: CA 250.

CAB 347. RADIO PRODUCTION
An introduction to basic radio equipment,
programming, and principles of studio oper-
ation; emphasis is on the production of labo-
atory programs with students participating in
the various jobs involved in studio production.

CAB/PSC 369. POLITICS AND THE MEDIA
See PSC 369 for course description.

CAB 399. SELECTED TOPICS IN
BROADCASTING
CAB 414. BROADCAST PRODUCTION
PRACTICUM
Practical experience in broadcast production.
The student will take an active part in the pro-
duction of radio and television programs. Pre-
quisites: CAB 445 or CAB 448.

CAB 415. BROADCAST NEWS PRACTICUM
Practical experience in broadcast news oper-
ations. The student will take an active part in the
production of radio and television news pro-
grams. Prerequisite: CAB 446.

CAB 416. INDUSTRIAL VIDEO PRACTICUM
Practical experience in industrial video produc-
tion. The student will take an active part in the
production of industrial video programs. Prereq-
site: CAB 449.

CAB 417. NEWS FEATURE PRACTICUM
Practical experience in news feature production.
The student will take an active part in the pro-
duction of radio and television programs. A maximum of five hours may be applied toward a degree. Prerequisite: CAB 446.

CAB 418. BROADCAST SALES PRACTICUM
Practical experience in broadcast sales and commercial production. The student will take an active part in the production of radio, television, and cable productions and analysis. Prerequisite: CAB 425.

CAB 419. BROADCAST ENGINEERING PRACTICUM
Practical experience in broadcast engineering application. The student will take an active part in the daily production engineering of radio, television, and cable productions and system maintenance. Prerequisite: CAB 424.

CAB 422. LIGHTING AND VIDEO PRODUCTIONS
This course will analyze the techniques, materials, aesthetics, and problems of video lighting for application to illumination of products, people, location situations, and studio situations. Prerequisite: CAB 444.

CAB 424. VIDEO ENGINEERING
Study with emphasis on application of video systems design, video signal elements, troubleshooting signal problems, and maintenance of equipment. Prerequisite: CAB 444.

CAB 425. COMMERCIAL APPLICATIONS: ELECTRONIC MEDIA
A study of commercial application, both the analytical and creative, unique to the various electronic media. Students will gain a working knowledge of the skills needed for successful commercial objectives. Prerequisites: CAB 444 and MKT 351.

CAB/CAT 426. DRAMATIC VIDEO PRODUCTIONS
This course will study the aesthetic techniques and application of the video medium for dramatic productions. Prerequisites: CAB 444 or CAT 255.

CAB 444. TELEVISION PRODUCTION
An introduction to basic television equipment and elements of studio operation. Students will participate in various studio jobs while producing several laboratory programs.

CAB 445. ADVANCED TELEVISION PRODUCTION
A course to offer project work for advanced students in various facets of television production. Students will produce and direct various types of programs. Prerequisite: CAB 444.

CAB/CAJ 446. RADIO AND TELEVISION NEWS AND INTERVIEWING
A laboratory course designed to provide the student with techniques and experiences in facets of presentation of news and interviews for radio and television. Prerequisite: CAJ 252.

CAB/CAJ 447. RADIO AND TELEVISION SCRIPT WRITING
A practical course providing the principles and techniques necessary for adapting the principles of writing to radio and television.

CAB 448. ADVANCED RADIO PRODUCTION
A course for advanced students to increase proficiency in radio production techniques. Students will produce commercials and simulated-live programs in the style of professional broadcast stations.

CAB 449. INDUSTRIAL MEDIA PRODUCTIONS
This course will study the application of video productions to industrial settings. Students will study the objectives of production as well as the methods of production development. Students will also study the interrelation and utility of multi-media presentations. Prerequisites: CAB 445 and CAB 447, or permission of instructor.

CAB/SMS 455. SPORT BROADCASTING
A course designed to teach broadcasting techniques specific to sports. Includes lecture, discussion, and simulated broadcasts by students.

CAB 491. INDIVIDUAL PROBLEMS
Designed to offer students an opportunity to design and carry out an independent research and/or performance project in their areas of special need or interest. May be taken one to five times with credit depending on the complexity of the proposed project ranging from one to five hours credit. A maximum of five hours credit may be earned in independent study.

CAB 493, 494, 495. INTERNSHIP I, II, III
May be taken only by Communication Arts majors whose emphasis is Broadcasting. Provides practical experience on a full-time basis in a radio or television station.

CAB 541. BROADCAST FEATURE REPORTING
This course is designed to prepare students for the research needs, styles of presentation, applications to differing topics, and methods of producing video feature reports for differing broadcast markets. This course is a continuation of CAB 446 with focus on the news feature. Prerequisite: CAB 446.
CAB 599. SELECTED TOPICS IN BROADCASTING

FILM
CAF 256. INTRODUCTION TO THE CINEMA
A study of the basic elements of effective film production including screenwriting, photography, performance, music and sound, editing, and directing. Selected scenes from great films will be shown and discussed.

CAF 350. ART OF FILM
A detailed analysis of selected masterpiece films, emphasizing aesthetics. The course will encourage students to understand films better and will deepen their appreciation of the art of cinema.

CAF 351. DOCUMENTARY FILM
An exploration of the documentary film as an art form and as a medium of communication. Landmark films, such as Nanook of the North and Triumph of the Will, will be screened and analyzed.

CAF 352. HISTORY OF AMERICAN CINEMA
A survey of film history, with emphasis on American cinema. Screenings of significant historical films will be included.

CAF/ENG 355. THEMES AND PATTERNS IN LITERATURE AND FILM
See ENG 355 for course description.

CAF/PSC 360. FILM AND POLITICS
See PSC 360 for course description.

CAF 399. SELECTED TOPICS IN FILM
CAF 599. SELECTED TOPICS IN FILM

JOURNALISM
CAJ 252. INTRODUCTION TO JOURNALISTIC WRITING
A pre-professional course designed to provide fundamental instruction and practice in writing for the mass media. Prerequisite: ENG 151.

CAJ 343. NEWS REPORTING AND WRITING
Basic instruction and practice in news gathering and news writing with special emphasis on style and successful completion of reporting assignments. Prerequisite: CAJ 252.

CAJ 344. COPY EDITING
Instruction and practice in fundamentals of news editing including copyreading, headline writing, makeup, photo editing, and typography, with special emphasis on editing the weekly and daily newspaper. Prerequisite: CAJ 252.

CAJ/CAB 345. LAW AND ETHICS OF MASS COMMUNICATIONS
See CAB 345 for course description.

CAJ 346. HISTORY OF JOURNALISM
A study of the history of journalism from its beginning to the present day, with emphasis upon its correlation with political, economic and social trends.

CAJ 347. CONTEMPORARY AMERICAN NEWSPAPERS
A survey of contemporary U.S. newspapers, emphasizing a number of the more important dailies and trends in the business.

CAJ 348. MAGAZINE WRITING, EDITING, AND PRODUCTION
Introduction to magazine journalism, from writing and editing to production techniques, circulation, art, advertising, and business. Emphasis on style, interviewing skills and examination of various staff roles. Prerequisite: CAJ 343 or permission of instructor.

CAJ/PSC 350. GRAPHIC ARTS TECHNOLOGY II
See PSC 350 for course description.

CAJ/ENG 395. SELECTED TOPICS IN JOURNALISM

CAJ 441. PHOTO JOURNALISM
A course in handling photographic assignments for the printed and broadcast media, with special emphasis on editing pictorial material for newspapers, magazines, and television.

CAJ 442. ADVANCED REPORTING
Instruction and practice in reporting public affairs, with emphasis on the responsible news coverage of city, county and state government. Prerequisite: CAJ 343.

CAJ 443. SUBJECTIVE JOURNALISM
An analysis of the role of opinion in journalism, including editorials, columns, and cartoons; and exposure to the processes of researching information and writing subjective journalism. Prerequisite: CAJ 343.

CAJ 445. FEATURE WRITING
The preparation for and writing of special feature stories and in-depth news stories for newspapers and magazines, emphasizing research, investigation, and interview techniques. Prerequisite: CAJ 343.

CAJ/CAB 446. RADIO AND TELEVISION NEWS AND INTERVIEWING
A laboratory course designed to provide the student with techniques and experience in facets of presentation of news and interviews for radio and television. Prerequisite: CAJ 252.
CAJ/CAB 447. RADIO AND TELEVISION SCRIPT WRITING
A practical course providing the principles and techniques necessary for adapting the principles of writing to radio and television.

CAJ 492. INDIVIDUAL PROBLEMS
Designed to offer students opportunities to design and carry out independent research and/or projects in their areas of special need or interest. May be taken one to five times, with credit depending on the complexity of the proposed project ranging from 1-5 hours credit. A maximum of five hours credit may be earned in independent study. Prerequisite: permission of instructor.

CAJ 493, 494, 495. INTERNSHIP I, II, III
Junior or senior standing with a 3.0 grade point average is recommended. Prerequisite: recommendation of the journalism faculty and approval of the department head. Credit: 1-15 quarter hours as determined by the faculty.

CAJ 599. SELECTED TOPICS IN JOURNALISM

PUBLIC RELATIONS
CAP 3, 411, 412, 413. PUBLIC RELATIONS PRACTICUM
This course will provide limited practical experience in public relations projects and campaigns. The course is limited to those who are in the Public Relations Emphasis. A maximum of five hours may be applied toward a degree.

CAP 340. INTRODUCTION TO PUBLIC RELATIONS
An introductory study of the history, theories and principles of public relations and the role and practice of public relations in various communication contexts.

CAP 342. COMMUNICATIONS PROGRAMMING FOR PUBLIC RELATIONS
Reviews techniques employed in media management programs: research, creation or design and writing of messages for both mass and personal media, message dissemination and evaluation of results. Prerequisite: CAP 340.

CAP 399. SELECTED TOPICS IN PUBLIC RELATIONS

CAP 440. PUBLIC RELATIONS CAMPAIGN STRATEGIES
An advanced course in which students analyze cases and apply principles, processes, and theories of public relations to the execution of campaigns. Prerequisites: CAP 340 and CAP 342 or 445.

CAP 445. PUBLIC OPINION AND RESEARCH
Exploration of the roles and interrelationships of public opinion, persuasion and public relations, and their impact in business and professional settings. How to gather, analyze and use public opinion as a public relations practitioner. Prerequisites: CA 250 and CAP 340.

CAP 491. INDIVIDUAL PROBLEMS
Designed to offer students opportunities to design and carry out independent research and/or performance projects in their areas of special need or interest. May be taken one to five times, with credit depending on the complexity of the proposed project ranging from one to five hours credit. A maximum of five hours credit may be earned in independent study.

CAP 493, 494, 495. INTERNSHIP I, II, III
May be taken only by Communication Arts majors whose emphasis is Public Relations. Provides practical experience on a full-time basis in a PR office.

CAP 599. SELECTED TOPICS IN PUBLIC RELATIONS

SPEECH COMMUNICATION
CAS 1, 2, 3, 414, 415, 416. FORENSICS PRACTICUM
Practical experience in forensic activities. The student will take an active part in the campus and intercollegiate forensic program. A maximum of five hours may be applied toward a degree.

CAS 251. FUNDAMENTALS OF PUBLIC SPEAKING
Designed to acquaint students with the various types of speaking situations and to provide them with the essential tools for effective communication in these situations. Prerequisite: ENG 151.

CAS 323. PARLIAMENTARY PROCEDURE
Rules of law and order governing formal assemblies and legislation.

CAS 341. ORAL INTERPRETATION
A practical course in the oral interpretation of literature. Techniques for understanding the author's meaning and mood and for communicating them to an audience.

CAS 342. DISCUSSION
Philosophy and technique involved in democratic oral decision-making with emphasis on the reflective pattern. Designed to develop effective discussion leaders and participants.

CAS 343. ARGUMENTATION AND DEBATE
The principles and practice of debate including
the use of research, logic, organization, and delivery. Prerequisite: CAS 251 or consent of instructor.

**CAS 344. ADVANCED PUBLIC SPEAKING**
Principles and practice in informative, entertaining, and persuasive speaking. Prerequisite: CAS 251.

**CAS 345. PERSUASION**
The theory, philosophy, ethics, and techniques of persuasion considered from the points of view of both the sender and the receiver of persuasive messages. Prerequisite: CAS 251.

**CAS 346. INTERPERSONAL COMMUNICATION**
This course offers students greater insight into the role of communication in interpersonal relationships and the skills necessary for more productive relationships through communication. Prerequisite: CA 252.

**CAS 348. RHETORICAL CRITICISM**
An introduction to the critical study of messages from a rhetorical perspective. The course emphasizes practical analysis of communication events as rhetorical processes with a focus on neo-Aristotelian, Burkean, contextual, and fantasy theme approaches.

**CAS/WGS 349. COMMUNICATION AND GENDER**
This course will introduce students to the literature of communication and gender. It will define the domain of communication and gender studies and consider how men's and women's self-perceptions and resulting communication patterns evolve as a function of cultural influences.

**CAS 399. SELECTED TOPICS IN SPEECH**
**CAS 438. READERS THEATRE**
Group training in effectively bringing the written drama to life without the traditional adjuncts of costuming, scenery, lighting. Prerequisite: CAS 251.

**CAS 441. COMMUNICATION AND CONFLICT**
Provides a systematic examination of conflict processes with a focus on the communication behavior of the conflict participants. Attention is given to managing conflict in informal settings and to the productive management of conflict.

**CAS 442. THEORIES OF SMALL GROUP COMMUNICATIONS**
This course emphasizes major theoretical approaches to the study of small group communication with a focus on field theory, rules theory, and systems theory. Prerequisite: CAS 251 or CA 252.

**CAS 443. SEMANTICS**
Introduction to concepts of meaning with special emphasis on semantics in language form and content.

**CAS 444. COMMUNICATION THEORY**
This introductory course will equip the student with basic, functional knowledge of the primary aspects of communication theory, which are communication systems, intra-interpersonal communications, perceptual communications, and social communications. Prerequisite: junior, senior standing.

**CAS 445. POLITICAL COMMUNICATION**
This course emphasizes the role and function of communication in the political setting. It examines theories of political communication and their application to political campaigns, formal and informal political debates, speech writing, and news reports. Prerequisite: PSC 250.

**CAS 447. RHETORIC OF SOCIAL MOVEMENTS**
This course will introduce students to the rhetorical significance of selected social movements. The course will include discussion and analysis of persuasive discourse that characterizes certain social movements, such as civil rights, labor reform, environmental protection. Prerequisites: CAS 348 or consent of instructor.

**CAS 448. ORGANIZATIONAL COMMUNICATION**
Emphasis on organizational communication climate: creating and exchanging verbal and nonverbal messages in the interpersonal, small group and public organizational setting; planning and implementing organizational communication diagnosis and change; developing career paths in organizational communication.

**CAS 449. PHILOSOPHY IN COMMUNICATION**
This course emphasizes major contributions from philosophy to communication. The course will include discussion of classical realism through existentialism in terms of contributions to contemporary communication studies.

**CAS 491. INDIVIDUAL PROBLEMS**
Designed to offer students opportunities to design and carry out independent research and/or performance projects in their areas of special need or interest. May be taken one to five times, ranging from one to five hours credit, with credit depending on the complexity of the proposed project. A maximum of five hours
credit may be earned in independent study.

CAS 493, 494, 496. INTERNSHIP I, II, III
May be taken only by communication arts majors in the Bachelor of Science degree program. Provides practical experience in the field of communication appropriate to the student's preparation and interests.

CAS 551. DESCRIPTIVE LINGUISTICS
Phonology and morphology as general concepts and as applied to certain languages. Methodology of language analysis at both levels of language structure.

CAS 599. SELECTED TOPICS IN SPEECH

THEATRE

CAT 1, 2, 3, 410, 411, 412, 413. THEATRE PRACTICUM
Practical experience in theatre. The student will take an active part in the major theatrical production of the quarter. A maximum of five hours may apply toward a degree.

CAT 1, 2, 3, 414, 415, 416, 417. PUPPETRY PRACTICUM
Practical experience in puppetry. The student will take part in the department's puppetry activities during the quarter. A maximum of five hours may apply toward a degree.

CAT 121. STAGE MAKE-UP
This course will deal with the principles of make-up for the stage. It should include analysis of physical characteristics and bone structure, theatrical chiaroscuro, prosthesis and hair applications as well as an introduction to basic make-up materials and techniques of their application.

CAT 1, 2, 3, 492. THEATRE WORKSHOP
Practical experience in intensive production. Designed to acquaint the student with acting and technical theatre, ranging from basic to advanced techniques. Instruction is coordinated with active involvement in two summer repertory productions. Only 10 hours may be credited toward a degree in Communication Arts. This is a variable credit course.

CAT 251. STAGECRAFT
This course will consist of a basic introduction to principles of scenic construction, design, drafting, painting and other elementary aspects of physical theatre. It will include laboratory work. This course is designed to be a preparatory and prerequisite course for most other production and performance courses in the theatre area.

CAT 255. ACTING I
Designed to teach the student to master stage techniques. For communication arts majors and minors or as an elective.

CAT 257. INTRODUCTION TO THEATRE
A study using lectures, films, recordings and the reading of representative plays. Designed to develop appreciation of dramatic literature as theatre.

CAT 319 a, b, c, d, e. VOICE IMPROVEMENT FOR THE THEATRE
Developing the natural voice and extending its flexibility as an instrument for the stage. Developing vocal self-awareness. Credit: one hour per course. A maximum of five hours may apply toward a degree.

CAT 334. SCENE PAINTING FOR STAGE AND SCREEN
History and development of the techniques of scene painting. The art of scene painting of backdrops, application of three-dimensional textures, and trompe-l'oeil effects for use on stage or in the photographic media. The student will learn to handle a variety of paint media including transparent dye. The course will also teach the application of metal leaves which simulate gold.

CAT 340. THEATRE MANAGEMENT
Principles and practices of managing commercial and non-commercial theatrical producing organizations. Designed to deal with problems of organization, financial structure, personnel, policy, physical plant, program building, public relations, market analysis and sales, along with the co-relationship of these elements to artistic production.

CAT 341. SCRIPT ANALYSIS
Processes of script analysis necessary to stage plays for the public. Prerequisites: CAT 257 or consent of instructor.

CAT 342. THEATRE HISTORY I: TO THE ELIZABETHANS
A survey of the physical structure, production methods, acting and stage design of theatre from its beginnings up to the Elizabethan Period. The course will consider primitive rituals and Oriental Theatre as well as Western European drama. Included will be the reading of representative plays and their application to the theatrical development of the period.

CAT 343. THEATRE HISTORY II: ELIZABETHAN—MODERN
A survey of the physical structure, production methods, acting and stage design of Western Theatre from the Elizabethan period through the modern period. Included will be the reading of representative plays and their applications to
the theatrical development of the period.

CAT 346. PLAY DIRECTING
Includes methods and techniques of all phases of play directing. Each student is required to direct a one-act play or an act from a longer play. Prerequisites: CAT 341 and CAT 255.

CAT 347. ACTING II
Prerequisite: CAT 255.

CAT/AAS 356. AFRICAN AMERICAN THEATRE
A course which investigates the contributions of black playwrights, actors, and directors to American theatre.

CAT 358. CHILD DRAMA AND CREATIVE DRAMATICS
Drama for and with children as a participatory and as a presentational medium. Students will examine the unique aspects of plays performed for and by children, as well as imitative games and activities to be created and enjoyed by children, for a variety of educational and social purposes without concern for audiences. Prerequisite: CA 252 or consent of instructor.

CAT 399. SELECTED TOPICS IN THEATRE
CAT/CAB 426. DRAMATIC VIDEO PRODUCTION
See CAB 426 for course description.

CAT 441. LIGHTING FOR THE STAGE
Investigation of the use of lighting equipment in various styles of production including special equipment, displays, outdoor pageants, television, puppet theatre, modern theatre usage. Elementary principles of electricity and lighting will be studied from the perspective of functions, sources, instruments, accessories, special effects, control boards, light plans and safety. Prerequisite: CAT 251.

CAT 442. SCENE DESIGN
Special assignments to develop skill and experience and increase knowledge in the styles of scene design for theatrical production. Includes laboratory experience in the practical aspects of transferring the design to the actual theatrical production. Prerequisite: CAT 251 and CAT 314.

CAT 443. COSTUME DESIGN
A study of the history and applied theory of theatrical costume design. The course will provide an exposure to materials, theories and concepts in theatrical costume design, executed and demonstrated through the media of watercolor and charcoal renderings. The course also provides practical laboratory experience in costume preparation for the theatre. (No prerequisite, though CAT 251 is recommended.)

CAT 491. INDIVIDUAL PROBLEMS
Designed to offer students opportunities to design and carry out independent research and/or performance projects in their areas of special need or interest. May be taken one to five times, with credit depending on the complexity of the proposed project ranging from one to five hours credit. A maximum of five hours credit may be earned in independent study.

CAT 493, 494, 495. INTERNSHIP I, II, III
May be taken only by communication arts majors whose emphasis is Community and Recreational Theatre. Provides practical experience on a full-time basis in a community or recreational theatre program.

CAT 557. PLAY WRITING
Study, analysis and practice in the art and craft of writing plays for the stage or for dramatic television and film. Undergraduates complete a one-act play while graduate students will complete a full length play.

CAT 565. PUPPETRY
A practical course to acquaint the student with puppetry as an art and as an educational medium. Emphasis is placed on the effective educational use of puppetry in the development of individual and group resources, creativity, self-expression and emotional adjustment in the classroom.

CAT 599. SELECTED TOPICS IN THEATRE

COMPARATIVE LITERATURE
The primary responsibility for the program is carried by the Department of English and Philosophy.

CLT/ENG 385. INTRODUCTION TO COMPARATIVE LITERATURE
An introduction to an application of theories, methods, and topics relevant to the comparative study of literature. Discussion of genre, period, theme, and influence; of interaction between Western and non-Western traditions in literature, including post-colonial literature; of feminist, African-Americanist, deconstructionist and other theoretical reassessments of the literary canon; of aspects in the international reception of literary works, and of problems of translation. Prerequisites: ENG 251 plus either ENG 252 or ENG 253.

CLT/ENG 485. SEMINAR IN COMPARATIVE LITERATURE
Detailed study of a specific literary topic dealt
with from a comparative standpoint. Readings
drawn from a variety of non-English languages,
one of which the students are expected to read
in the original. Prerequisite: permission of the
instructor.

DEVELOPMENTAL STUDIES
Courses in Developmental Studies are offered
by faculty members in the College of Arts and
Sciences.

C. Ricker, Chair
Associate Professor: B. Bitter (Emerita), D.
Purvis, C. Ricker
Assistant Professors: L. Arthur, S. Boddiford, B.
Carter, R. Clark (on leave), C. Crittenende, K.
Ferro (on leave), D. Golden, S. Groover, G.
Hicks, (Emerita), E. James, D. Jones, V.
Kennedy, M. McLaughlin, B. Nichols, M. Nolen,
T. Thompson, P. Watkins, R. Wells, N. Wright.
Instructors: K. Albertson, R. Bogan, L. Braseton,
D. Brown, J. Cason, N. Dessommes, M. Frank-
lin, D. Gibson, T. Giles, R. Gooding, D. Hooley,
N. Huffman, L. Keys, S. Lanier, J. McDougald,
C. Nessmith, J. O'Brien, M. Pate, T. Payne, P.
Price, D. Saye, N. Saye, G. Shoutz, M. Sikes, D.
Stapleton, J. Taulbee, D. Tuggle, J. Weisenborn,
D. Westcot, L. Yocco
Temporary Instructors: B. Freeman, A. Hodge,
M. Milla, A. Sawyer, P. Whitaker
Part-time Instructors: E. DeLoach, B. Warchol

Description of the program (see Developmental
Studies).

Description of GSU 220: Methods of Learning
(see Learning Skills Course).

RDG 090. REGENTS' TEST INTENSIVE
READING SURVEY
Designed to prepare students for the reading
section of the Regents' Test. Classes are struc-
tured so as to offer intensive work in the read-
ing skill areas tested on the Regents' Test,
including vocabulary and literal, inferential, and
analytical comprehension. Students who have
not passed the Regents' Reading test by the
time they have earned 75 hours of degree credit
shall be required to take this course. Institution-
also credit only, 3 hours.

RDG 099 a,b,c,d. READING DEVELOPMENT
Designed to prepare students for college-level
reading, Reading Development emphasizes
expanding vocabulary, improving comprehen-
sion and increasing the reading rate. Efforts
also will be made to help students cultivate
effective study skills. A student may exit at the
end of any quarter by passing the course and
achieving a satisfactory score on the exit exami-
nation. Institutional credit only, 5-20 hours.

ENG 099 a,b,c,d. COMMUNICATION SKILLS
Designed to help students develop language
skills necessary for entering regular college
English courses. Communication Skills empha-
sizes grammar, sentence structure, paragraph
and short theme writing. Because the courses
are developmental, a student may exit at the
end of any quarter by passing the course and
achieving a satisfactory score on the exit exami-
nation. Institutional credit only, 5-20 hours.

MAT 095. ALGEBRAIC CONCEPTS
This course is designed for students who are
not required to enroll in Developmental Studies
mathematics but who need some review prior
to entering the core curriculum mathematics
course. Algebraic Concepts consists of a study
of the real number system, first and second
degree equations and their applications, rational
expressions, exponents and polynomials, radia-
cals, graphing, and functions. This course
carries only institutional credit.

MAT 098 a,b,c. ELEMENTARY ALGEBRA
The first of two courses designed for students
who are not prepared to enter a college core
curriculum mathematics course. Elementary
Algebra consists of a study of the structure of
the real number system, properties of real
numbers, first degree equations and inequalities,
applications, exponents and polynomials.
Students will be placed in MAT 098 or MAT:099
according to results of a sub-score on the CPE
or a placement test administered by the de-
partment. Students will be allowed a maximum
of three quarters to meet exit requirements for
Math 098. Institutional credit only, 5-15 hours.

MAT 099 a,b,c,d. INTERMEDIATE ALGEBRA
A study of polynomials, rational expressions,
graphs in a plane, systems of equations and
inequalities, roots and radicals, second degree
equations, and functions. A student must dem-
strate mastery of MAT 098 prior to taking
MAT 099. A student may exit at the end of
any quarter by passing the course and by
achieving a satisfactory score on the exit exami-
nation. Institutional credit only, 5-20 hours.

ENGLISH
Courses in English are offered by the Depart-
ment of English and Philosophy.

J. Nichols, Chair
Professors: H. Cate (Emeritus), R. DePaolo, P.
Gillie, L. Huff (Emeritus), J. Humma, J. Nichols,
D. Ruffin (Emeritus), F. Russell (Emeritus), F. Sanders, P. Spurgeon (Emeritus), A. Whittle Associate Professors: B. Bitter (Emerita), A. Goke-Pariola (on leave), P. LaCerva, T. Lloyd, E. Little (Emeritus), D. Purvis, F. Richter, D. Thomson, T. Wardoff
Temporary Assistant Professors: D. Golden, G. Kundu, O. Osnubi, P. Pimomo
Temporary Instructors: J. Brown, P. Deal, B. Freeman, A. Hodges, M. Mills, L. Nerren (on leave), M. Rocine, L. VonBergen, R. West
Part-time Instructors: M. Nelson, J. Stuart
ENG 090. REGENTS' TEST INTENSIVE
WRITING REVIEW
Intensive writing review for the Regents' Test with emphasis on frequent essay writing, individual conferences, analysis of essays, editing skills and grammar study. Required of all students who have accumulated 75 or more hours without passing the Regents' Test essay. Three hours Institutional credit. Not open to ESL students or students with fewer than 75 hours.

ESL 095. ENGLISH AS A SECOND LANGUAGE I
A course designed to help the foreign student gain proficiency in the use of English. It will include conversation, grammar review, reading comprehension, listening comprehension and the writing of paragraphs and short papers. The student may be required to spend from one to three quarters in this course after which he/she will move into ESL 151. Five hours Institutional credit.

ESL 151. ENGLISH AS A SECOND LANGUAGE II
This is English composition for students whose native language is not English. It will stress vocabulary building, lecture comprehension, grammar, and the writing of short papers. Credit on ESL 151 will be accepted in lieu of credit on English 151. Upon completion of ESL 151 the student will enroll in English 152. Five hours academic credit.

ENG 151. ENGLISH COMPOSITION
A course concentrating on developing the student's skills in thinking, reading, and writing. Emphasis is placed on reading and understanding prose selections and on writing clear, logical, well-structured essays that are relatively free from serious grammatical faults. The course includes a research paper. NOTE: The university requires that ENG 151 be completed with a minimum grade of "C" before the student may enroll in ENG 152.

ENG 152. ENGLISH COMPOSITION
A course concentrating on refining the student's skills in critical thinking, reading, and writing. Emphasis is placed on the study of literary genres and on writing longer essays than those required in ENG 151. The course includes a review of the Regents' Test Essay. NOTE: The university requires that ENG 152 be completed with a minimum grade of "C" before the student may enroll in ENG 251, ENG 252, or ENG 253.

ENG 251. THE HUMAN IMAGE IN LITERATURE OF THE WESTERN WORLD I
A study of literature from the ancient world of the Greeks, the Romans and the Hebrews. The concept of the hero and values associated with heroism/courage, duty, fidelity, sacrifice, loyalty to the community are examined through drama, myth, song and story. Prerequisites: ENG 151 and 152.

ENG 252. THE HUMAN IMAGE IN LITERATURE OF THE WESTERN WORLD II
A study of British and European masterpieces of the Middle Ages and Renaissance, reflecting what the early Christian centuries added to the wisdom of the classical world and anticipating attitudes and values characteristic of the modern world. The pilgrimage, the quest as a form of heroism activity and the concept of chivalry are examined. Prerequisites: ENG 151 and 152.

ENG 253. THE HUMAN IMAGE IN LITERATURE OF THE WESTERN WORLD III
A study of British, European, and American masterpieces of the 18th-20th centuries, when the scientific enlightenment and subsequent changes in technology, education and politics altered centuries-old traditions and modes of experience. Emphasis is on the emergence of the modern hero as a figure at odds with his community and alienated from a "mass society." Prerequisites: ENG 151 and 152.
ENG 262. WOMEN AND LITERATURE
A study of the literature by and about women which reflects some of the myths, legends, and social forces molding the female character and affecting both sexes over the centuries. Prerequisite: ENG 151.

ENG 266. LOVE AND SEX IN LITERATURE
Novels, short stories, poems, nonfiction prose, and films selected from various times and places to illuminate the range of intimate human relationships. Prerequisites: ENG 151 and ENG 152.

ENG 271. TECHNICAL WRITING AND PRESENTATION
A scientific or objective approach to writing and technical presentation. Students will learn how to write technical papers and other types of practical prose and how to give reports. Prerequisites: ENG 151 and 152.

ENG 290. INTRODUCTORY READINGS IN LITERATURE
Students will read four or more works in an area or author chosen by the instructor. The course will introduce students to the ways major literature communicates an awareness of human behavior and possibilities. Emphasis will be placed on close textual readings, classroom discussions, and short written reactions to the works covered. Two hours academic credit. (Only six hours of credit will apply to a degree.)

ENG 330. TEACHING WRITING
An introduction to the theory and practice of teaching writing, including making the writing assignment, prewriting, revising writing, and evaluating student writing. Three hours academic credit.

ENG/AS 350. THE AMERICAN DREAM
A survey of the development of the American Dream of freedom, opportunity, and success as depicted in a variety of literary works throughout American history, from the writings of the earliest European explorers to those of contemporary American authors.

ENG 351. ENGLISH LITERATURE
A survey of English literature from Beowulf to the Romantic Movement.

ENG 352. ENGLISH LITERATURE
Continuation of 351. Survey of English literature from the Romantic Movement to the modern period.

ENG/CAF 355. THEMES AND PATTERNS IN LITERATURE AND FILM
A comparative interpretation of themes, ideas, and patterns in selected works of narrative literature and cinema. The course will also address formal distinctions and affinities between literature and cinema.

ENG/AS 361. AMERICAN LITERATURE
A survey of American literature from the beginning to 1865.

ENG/AS 362. AMERICAN LITERATURE
A survey of American literature from 1865 to the present.

ENG/AS 363. AFRICAN-AMERICAN LITERATURE
A survey of African American literature from its beginnings to the present, focusing on important movements, genre, and themes.

ENG 364. CREATIVE WRITING: POETRY AND FICTION
The writing of poetry and fiction through close analysis of poetic and narrative forms with the purpose of encouraging students to discover and develop their own styles and strengths. Prerequisites: ENG 151 and 152.

ENG 370. BUSINESS AND THE PROFESSIONS IN LITERATURE
Students will read fiction, drama and poetry that treat the business and professional life. The approach will be broadly cultural and ethical. An important part of the course will be the work done with students to help them improve their writing.

ENG/CLT 385. INTRODUCTION TO COMPARATIVE LITERATURE
See CLT/ENG 385 for course description.

ENG 399. SELECTED TOPICS IN ENGLISH
ENG 430. RESEARCH PROJECTS IN ENGLISH
Qualified English majors may be permitted to carry on independent study and to write an extensive paper based on their research. The project must be recommended by the instructor with whom the student plans to work and must be approved by the head of the department.

ENG 431. SENIOR SEMINAR
Required of all English majors, this capstone course will provide the opportunity to discuss and apply knowledge gained through major courses. Students will write one major research paper and will make an oral presentation. Prerequisite: Senior standing.

ENG 451. CHAUCER
Study of The Canterbury Tales and other
selected works.

**ENG 452. HISTORY OF THE ENGLISH LANGUAGE**
A course combining the traditional history-of-the-language approach with modern linguistic analysis. Emphasis will be placed on the changes which mark the evolution of the English language from the Anglo-Saxon period to the present, the nature of the language as it exists today, and the cause-effect relationship between the language and its literature as both evolve through time.

**ENG 453. ADVANCED COMPOSITION**
An analysis of successful expository and narrative methods, with regular writing assignments emphasizing logical organization of thought and effective composition.

**ENG 455. CHILDREN'S LITERATURE**
A survey of children's stories and poems that have literary value with special attention to "classics" and to those literary types, works, and trends taught in elementary and secondary school.

**ENG 456. SHAKESPEARE: THE MAJOR COMEDIES AND HISTORIES**
Intensive study of ten plays. The reading of a reputable biography of Shakespeare, an oral report and a course paper will be required.

**ENG 457. SHAKESPEARE: THE TRAGEDIES**
Intensive study of nine plays and the sonnets. An oral report and a course paper will be required.

**ENG 460. THE ENGLISH ROMANTIC POETS**
A reading of major poems, selected prose, and selected letters of Blake, Wordsworth, Coleridge, Byron, Shelley and Keats. A course paper will be required.

**ENG 461. DRAMA TO IBSEN**
A study of representative works of dramatic literature of the western world from Aeschylus through Scribe, excluding English drama.

**ENG 465. POETRY WRITING**
This workshop format course focuses primarily on the students' own poems. The course will emphasize traditional and contemporary use of metrics and forms. Students will learn metrical conventions and will write poems in both applied forms (sonnet, sestina, villanelle, terza rima) and organic forms (free verse, found poetry, and concrete poetry). Prerequisites: ENG 151 and ENG 152.

**ENG 466. FICTION WRITING**
This workshop format course focuses primarily on the students' own fiction. The course will emphasize traditional, contemporary, and experimental approaches to plot, characterization, point-of-view, and other elements of form and content. Students will formally evaluate the work of their peers and/or established writers. Prerequisites: ENG 151 and ENG 152.

**ENG 467. LITERARY CRITICISM**
A study of literary criticism from Plato to Derrida, with concluding emphasis on the theory, approaches, and techniques of current literary study.

**ENG 472. POETRY AND PROSE OF THE ENGLISH RENAISSANCE**
A study of the work of the major poets and prose writers of the English Renaissance.

**ENG 480. COMMONWEALTH LITERATURE**
An examination of English literature produced in states which are or were members of the British Commonwealth, including Australia, New Zealand, Canada, India, Pakistan, as well as countries of the Caribbean, and West, East, and Southern Africa.

**ENG/CLT 485. SEMINAR IN COMPARATIVE LITERATURE**
See CLT 485 for course description.

**ENG 550. ENGLISH DRAMA TO 1642, EXCLUDING SHAKESPEARE**
Chief figures to be studied are Marlowe, Jonson, Webster, Beaumont and Fletcher, and Ford.

**ENG 551. ENGLISH DRAMA FROM THE RESTORATION TO SHAW**
The chief figures to be studied are Dryden, Congreve, Sheridan, Goldsmith, Byron and Shaw.

**ENG 552. THE ENGLISH NOVEL**
A study of the development of the novel in English through the reading of a selective list of novels which best illustrate the main tendencies in the English fiction of the eighteenth and nineteenth centuries.

**ENG 554. MODERN POETRY TO 1945**
A study of British and American poets and poetry since 1900, emphasis being placed on the more influential, such as Yeats, Pound, Frost, Eliot and Stevens.

**ENG 555. MILTON**
A close reading of Paradise Lost, Paradise Regained, Samson Agonistes and the minor poetry of Milton, with some attention to Milton's prose.

**ENG 556. ENGLISH NEO-CLASSICAL LITERATURE**
A study of the major writers of verse and prose from Dryden to Johnson.
ENG 557. MODERN DRAMA
A study of the major drama from Ibsen to the present, including the work of both Anglo-American and European dramatists.

ENG 558. MODERN BRITISH FICTION
A study of the development of the several forms of modern British fiction - the novel, the nouvelle and the short story.

ENG/RS 559. THE BIBLE AS LITERATURE
A study of the literary dimension of the English Bible. Major emphasis is upon the literary themes, types, personalities and incidents of the Old and New Testaments.

ENG 560. ENGLISH MEDIEVAL LITERATURE. EXCLUDING CHAUCER
A study of Old and Middle English literature emphasizing the major genres of prose and poetry unique to this period.

ENG/AS 561. THE AMERICAN NOVEL
A survey of the development of the novel in America, eighteenth through twentieth centuries, with special study of a list of works selected to illustrate the major movements in American fiction.

ENG/AS 562. SOUTHERN LITERATURE
A survey of the literary achievements of the South from the Colonial period to the present.

ENG/ANT/CA 563. SOCIOLINGUISTICS
The principles and methods used to study language as a sociocultural phenomenon. These are examined both from the linguistic viewpoint - the search for possible social explanations for language structure and use - and from the social-scientific viewpoint - analyzing facts about language which may illuminate our understanding of social structures. Additional prerequisites: SOC 150 or ANT 150.

ENG/WGS 564. LITERATURE BY WOMEN
This course explores classic, contemporary, and experimental writing by women in all genres, with special emphasis on the polemical and theoretical bases of and critical approaches to such texts.

ENG 565. SPIRIT OF PLACE IN BRITISH LITERATURE
A study of British literary figures, famous for their evocation of regions, against the background of the environments they wrote about. A ten-to-fourteen-day tour of the English countryside is a part of this course. Offered summers only.

ENG 566. CONTEMPORARY BRITISH AND AMERICAN POETRY FROM 1946 TO THE PRESENT
A study of British and American poets emerging since 1945, many of whom are living, writing, and shaping the direction of poetry today. Major figures will include such poets as Jarrell, Bishop, Lowell, and Black Mountain poets, the Beat poets, Sexton, Brooks, Wilbur and Heaney.

ENG/AS 567. COLONIAL AMERICAN LITERATURE
A detailed study of the poetry and prose of American writers, 1492-1800, with an emphasis not only on emerging American literature but also on the development of a diverse American culture and distinct American identity.

ENG/AS 568. IMAGES IN AFRICAN-AMERICAN LITERATURE
The course examines recurrent images, issues, and themes in African-American literature through in-depth studies of several works. Writers such as Douglass, Washington, Dunbar, Chesnutt, Wright, Walker, and Morrison will be regularly taught.

ENG 569. TWENTIETH-CENTURY IRISH LITERATURE
A study of representative fiction, poetry, and drama by 20th century Irish authors. Readings will emphasize the way Irish writers have explored the diversity of the Irish experience as it has been influenced by history, culture, politics, and religion.

ENG 570. CONTEMPORARY WORLD FICTION
A study of significant literature from around the world written in the last thirty years. The course seeks to illuminate the cultural and literary genius of various peoples as revealed in their great writers. Students will read from among North, Central and South American, Western and Eastern European, African, Asian and Far Eastern authors.

ENG 571. MODERN ENGLISH GRAMMAR
A study of the forms and syntax of modern English. Required of all English majors pursuing teacher education.

ENG 572. VICTORIAN PROSE AND POETRY
A study of the Victorian Period in England, with emphasis on the prose and poetry of major authors.

ENG 573. LITERATURE FOR ADOLESCENTS
A study of literature, primarily narrative, especially suitable for adolescents with emphasis on analyzing and evaluating contemporary literature written specifically for adolescents. The course will further the students' mastery of the tools and the practice of literary criticism, will
broaden their acquaintance with appropriate genres, such as *bildungsroman* and biography, and will enhance their understanding of the cultural and psychological issues of particular importance to adolescents.

ENG 599. SELECTED TOPICS IN ENGLISH

FILM (See Communication Arts)

FOREIGN LANGUAGES

D. Seaman, Chair

Professors: L. Bouma (Emeritus), Z. Farkas (Emeritus), D. Seaman, J. Weatherford

Associate Professors: J. Buller, J.-P. Carton, C. Krug, J. Schomber, N. Shumaker

Assistant Professors: D. Alley, N. Barrett, L. Borowsky (Emerita), J. Hagerman (on leave), R. Haney, M. Lynch, D. Martinez-Conde, D. Richards, R. Williams-Duplantier

Instructor: L. Collins

Temporary Instructors: G. Dimetry, E. Jones, M. McGrath, D. Osanai, V. Steinberg

Part-Time Instructors: N. Dmitriyeva, N. Eisenhart, G. Fleischhauer, A. Gargar-Belmont

The department strongly encourages majors to participate in studies abroad programs and will also give assistance to any students who are interested in independent study, travel and work overseas. Most courses on the 300 and 400 level listed below are not offered every year.

FL/ANT 350. INTRODUCTION TO LANGUAGE

A general introduction to the nature and structure of language and its role in society. Students will be strongly encouraged to conduct individual explorations into the relationship of linguistics to their major field of study or other personal interest. No prerequisites.

FL 351. GREEK AND LATIN VOCABULARY IN ENGLISH

A course designed to improve the student's use and understanding of the vocabulary of English through a study of the Latin and Greek elements (word roots) in English. Emphasis on words in current scientific and literary use. No knowledge of Greek or Latin required. No prerequisites.

FL 399. SELECTED TOPICS IN FOREIGN LANGUAGES

This course is designed to provide (on demand) study of foreign languages not generally offered by the department (e.g., Greek, Chinese) or study in second language acquisition (e.g., applied linguistics).

FL 499. DIRECTED STUDY IN FOREIGN LANGUAGES OR LINGUISTICS

Independent study under faculty supervision. Prerequisite: Consent of department chair.

FL 599. SELECTED TOPICS IN FOREIGN LANGUAGES

ARABIC

ARA 151. ELEMENTARY ARABIC I

Introduction to the essentials of Arabic. Primary emphasis on the writing system and on pronunciation.

ARA 152. ELEMENTARY ARABIC II

Continuation of Arabic 151 with increased emphasis on grammar and syntax. Prerequisite: ARA 151 or equivalent.

ARA 153. ELEMENTARY ARABIC III

Continuation of Arabic 152. Prerequisite: ARA 152 or equivalent.

ARA 252. INTERMEDIATE ARABIC

Continuation of Arabic 153; grammar review and increased emphasis on reading authentic texts. Prerequisite: ARA 153 or equivalent.

FRENCH

FRE 151. ELEMENTARY FRENCH I

Introduction to essentials of grammar; acquisition of basic vocabulary; practice in reading, speaking and writing. No prerequisite.

FRE 152. ELEMENTARY FRENCH II

Continuation of French 151 with an increased emphasis on the active use of the language. Prerequisite: French 151 or equivalent.

FRE 153. ELEMENTARY FRENCH III

Continuation of French 152. Prerequisite: FRE 152 or equivalent.

FRE 252. INTERMEDIATE FRENCH

A review of French grammar and intensive reading of selected texts; particular emphasis on vocabulary building through conversation and composition exercises. Prerequisite: FRE 153 or equivalent.

FRE 311, 12, 13, 14, 15. DISCUSSION CIRCLE

This course consists primarily of guided conversation in French, based on current issues as they are reflected in contemporary journals and newspapers. The emphasis is on conversational, rather than on specialized, vocabulary. Prerequisite: FRE 252 or consent of instructor.

FRE 350. CONVERSATIONAL FRENCH

Practice in the use of everyday French for functional vocabulary build-up and increased proficiency. Course work includes the study of
authentic oral materials (such as excerpts from films, plays, radio programs, recordings of songs, skits, etc.) as well as situational communicative exercises. Prerequisite: FRE 252 or equivalent.

FRE 363. FRENCH CIVILIZATION
A study of French civilization through discussion of its history, art, music and literature. Course work includes extensive use of audio-visual materials. Prerequisite: FRE 252 or equivalent.

FRE 364. FRENCH SHORT STORIES
An in-depth study of selected stories from the major French writers for vocabulary building and increased reading comprehension, with a secondary emphasis on literary techniques and reading strategies. Course work includes oral reports and written compositions. Prerequisite: FRE 252 or equivalent.

FRE/AAS 355. NON-EUROPEAN FRANCOPHONE LITERATURE
This course focuses on reading, discussing, and writing about texts from former French colonies. Included are poetry, short stories, fables, the novel, songs, news articles and government publications. Prerequisite: FRE 252 or equivalent.

FRE 357. INTRODUCTION TO COMMERCIAL FRENCH
An introductory study of commercial French with an emphasis on practical exercises for communicating with French-speaking people in the business world. Prerequisite: FRE 252 or equivalent.

FRE 399. SELECTED TOPICS IN FRENCH
FRE 450. ADVANCED FRENCH COMPOSITION AND GRAMMAR
Intensive study of nuances of French grammar and extensive practice in preparing compositions and "explications de texte." Multiple-draft composition process is a feature of the course. Prerequisite: 10 hours at the 300 level or consent of instructor.

FRE 452. FRENCH PHONETICS
Contrastive analysis of the French and English sound systems and extensive practice to help students refine their pronunciation; familiarization with various French accents. Prerequisite: 10 hours of French at the 300 level.

FRE 453. CONTEMPORARY FRANCE
An in-depth study of present-day France. Emphasis on student participation in discussions. Written and oral reports. Prerequisite: 10 hours at the 300 level.

FRE 454. FRENCH POETRY
A study of French poetry by major movements, from the late Middle Ages to the present, with an emphasis on poetic techniques and reading strategies. Oral and written reports. Prerequisite: 10 hours at the 300 level or consent of instructor.

FRE 455. THE FRENCH NOVEL
A study of the French novel by major movements from its origins to the present, with an emphasis on narrative techniques and reading strategies. Oral and written reports. Prerequisite: 10 hours at the 300 level or consent of instructor.

FRE 456. FRENCH BAROQUE AND CLASSICAL THEATRE
A study of seventeenth-century French comedy, tragi-comedy, and tragedy, with an emphasis on origins and influences, cultural context, dramatic techniques, and reading strategies. Oral and written reports. Prerequisite: 10 hours at the 300 level or consent of instructor.

FRE 457. TWENTIETH-CENTURY FRENCH THEATRE
A study of the French theatre since 1900; symbolism, Surrealism, Existentialism, Theatre of the Absurd. Written and oral reports. Prerequisite: 10 hours at the 300 level.

FRE 458. SURVEY OF FRENCH LITERATURE I
A study of French literature from the Middle Ages through the eighteenth century, with an emphasis on reading of major works of representative authors. Prerequisite: FRE 454 and one of the following: FRE 354, 355, 455, or consent of the instructor.

FRE 459. SURVEY OF FRENCH LITERATURE II
A study of French literature from the nineteenth century to the present day, with an emphasis on reading of major works of representative authors. Prerequisite: FRE 454 and one of the following: FRE 354, 355, 455 or consent of the instructor.

FRE 499. DIRECTED STUDY IN FRENCH
Independent study under faculty supervision. Prerequisite: Consent of department chair.

FUL 599. SELECTED TOPICS IN FRENCH

FULANI
FUL 151. ELEMENTARY FULANI I
Introduction to the essentials of Fulani; acquisition of basic vocabulary; practice in speaking, listening, reading, and writing elementary material in Fulani. No prerequisite.
FUL 152. ELEMENTARY FULANI II
Continuation of Fulani 151. Prerequisite: Fulani 151.

GERMAN

GER 151. ELEMENTARY GERMAN I
Introduction to essentials of grammar; acquisition of basic vocabulary; practice in reading, speaking and writing. No prerequisite.

GER 152. ELEMENTARY GERMAN II
Continuation of German 151 with an increased emphasis on the active use of the language. Prerequisite: German 151, one year of high school German or equivalent.

GER 153. ELEMENTARY GERMAN III
Continuation of German 152. Prerequisite: GER 152 or equivalent.

GER 211, 212. DISCUSSION CIRCLE
Guided conversation in German. The emphasis is on conversational vocabulary at an intermediate level. Prerequisite: GER 152 or consent of instructor.

GER 251R. GERMAN FOR RESEARCH
Reading of selected texts in the student's field of specialization with emphasis on the development of reading and translation skills. Prerequisite: German 152, one year of high school German or equivalent.

GER 252. INTERMEDIATE GERMAN
A review of German grammar, reading of selected texts and particular emphasis on conversation and expansion of vocabulary. Prerequisite: GER 153 or equivalent.

GER 311, 12, 13, 14. DISCUSSION CIRCLE
This course consists primarily of guided conversation in German, based on current issues as they are reflected in contemporary journals and newspapers. The emphasis is on conversational, rather than on specialized, vocabulary. Prerequisite: GER 252 or consent of instructor.

GER 320. PHONETICS
Contrastive analysis of the German and English sound systems and extensive oral practice to help students refine their pronunciation. Prerequisite: German 153, three years of high school German or equivalent, or consent of instructor.

GER 350. CONVERSATION
Practice in the use of everyday German through conversation, short compositions, and oral presentations. Grammar review as needed. Prerequisite: German 252 or consent of instructor.

GER 350R. ADVANCED READING
Emphasis on developing reading skills through extensive reading of texts related to the student's major interest. Prerequisite: German 251R or 252, three years of high school German, or equivalent or consent of instructor.

GER 351. WRITING IN GERMAN
Grammar review, basic instruction in stylistics, extensive practice in writing in German, both short compositions and longer items. Prerequisites: GER 252 or consent of instructor.

GER 353. GERMANY TODAY
Study of daily life in Germany today, both the Federal Republic of Germany and the German Democratic Republic, with major emphasis on the Federal Republic. Taught In German; grammar review as needed. Prerequisite: German 252 or equivalent, or consent of instructor.

GER 354. CONTEMPORARY SHORT STORIES
Reading and discussion of contemporary short stories; active use of German; grammar review as needed. Prerequisite: German 252, three years of high school German or equivalent, or consent of instructor.

GER 355. THE GERMAN RADIO PLAY
Students will read, listen to, discuss, and compare written reports on recent German radio plays (short dramas designed for radio broadcasting); active use of German; grammar review as needed. Prerequisite: German 252, three years of high school German or equivalent, or consent of instructor.

GER 356. EAST GERMAN LITERATURE
An introduction to the literature of East Germany; active use of German; grammar review as needed. Prerequisite: German 252, three years of high school German or equivalent, or consent of instructor.

GER 357. COMMERCIAL GERMAN
A career-oriented course designed to familiarize the student with the language of business, finance, and economics; active use of German; grammar review as needed. Prerequisite: German 252, three years of high school German or equivalent, or consent of instructor.

GER 399. SELECTED TOPICS IN GERMAN

GER 450. ADVANCED GRAMMAR AND COMPOSITION
Advanced study of German grammar and syntax with emphasis on the active use of the language in both speaking and writing. Prerequisite: two courses at the 300 level or consent of the instructor.

GER 451. GERMAN HERITAGE
A survey of various aspects of German culture with an emphasis on the spoken language. Prerequisite: two courses at the 300 level or consent of the instructor.
GER 461. SURVEY OF GERMAN LITERATURE I
A survey of German literature from the beginning to the 19th century with emphasis on reading of major works of representative authors. Prerequisite: two courses at the 300 level or consent of the instructor.

GER 462. SURVEY OF GERMAN LITERATURE II
A survey of German literature from the 19th century to the present with emphasis on reading of major works of representative authors. Prerequisite: two courses at the 300 level or consent of the instructor.

GER 463. GOETHE AND SCHILLER
A close study of the Classical Period and its major representatives. Prerequisite: two courses at the 300 level or consent of the instructor.

GER 466. THE GERMAN NOVELLE
A study of the Novelle from Goethe to the present. Prerequisite: two courses at the 300 level or consent of the instructor.

GER 467. CONTEMPORARY GERMAN LITERATURE
Study of recent German literature. Prerequisite: two courses at the 300 level or consent of instructor.

GER 499. DIRECTED STUDY IN GERMAN
Independent study under faculty supervision. Prerequisite: consent of department head.

JPN 151. ELEMENTARY JAPANESE I
Emphasis on pronunciation and basic grammatical structures, using primarily the Roman alphabet for written material.

JPN 152. ELEMENTARY JAPANESE II
Continuation of Japanese 151 with increased emphasis on grammar, syntax, and learning the Japanese script. Prerequisite: JPN 151 or equivalent.

JPN 153. ELEMENTARY JAPANESE III
Continuation of Japanese 152. Prerequisite: JPN 152 or equivalent.

JPN 252. INTERMEDIATE JAPANESE
Continuation of Japanese 153; grammar review and increased emphasis on reading authentic texts. Prerequisite: JPN 153 or equivalent.

JPN 350. INTRODUCTION TO JAPANESE CULTURE
A basic introduction to Japanese society and culture, with special emphasis on contemporary Japan.

KOREAN
KOR 151. ELEMENTARY KOREAN I
Emphasis on speaking and listening skills, the Korean alphabet, and basic grammatical structures.

KOR 152. ELEMENTARY KOREAN II
Continuation of Korean 151. Emphasis on speaking and listening skills, the Korean alphabet, and basic grammatical structures. Prerequisites: KOR 151 or permission of instructor.

LATIN
LAT 151. ELEMENTARY LATIN I
Introduction to the Latin language. Basic grammar, vocabulary building, graded reading and discussion of Roman history and culture.

LAT 152. ELEMENTARY LATIN II
Continuation of 151. Additional grammar and graded readings.

LAT 153. ELEMENTARY LATIN III
Continuation of 152. Additional grammar and graded readings. Prerequisite: Latin 152 or equivalent.

LAT 251. INTERMEDIATE LATIN I
Beginning series of reading in Roman authors. Discussions of Roman history and culture.

LAT 252. INTERMEDIATE LATIN II
Continued series of prose reading in Roman authors. Beginning readings of Latin poets. Discussion of Roman history and culture.

RUSSIAN
RUS 151. ELEMENTARY RUSSIAN I
Introduction to the essentials of Russian. Emphasis on pronunciation and the Russian writing system.

RUS 152. ELEMENTARY RUSSIAN II
Continuation of Russian 151 with increased emphasis on grammar and syntax. Prerequisite: RUS 151 or equivalent.

RUS 153. ELEMENTARY RUSSIAN III
Continuation of Russian 152. Prerequisite: RUS 152 or equivalent, and consent of department chair.

RUS 252. INTERMEDIATE RUSSIAN
Continuation of Russian 153; grammar review and increased emphasis on reading authentic texts. Prerequisites: RUS 153 or equivalent, and
consent of department chair.

SPANISH

SPA 151. ELEMENTARY SPANISH I
Introduction to essentials of grammar, acquisition of basic vocabulary; practice in reading, speaking and writing. No prerequisite.

SPA 152. ELEMENTARY SPANISH II
Continuation of Spanish 151 with an emphasis on the active use of the language. Prerequisite: Spanish 151, one year of high school Spanish or equivalent.

SPA 153. ELEMENTARY SPANISH III
Continuation of Spanish 152. Prerequisite: SPA 152 or equivalent.

SPA 252. INTERMEDIATE SPANISH
A review of Spanish grammar, reading of selected texts and particular emphasis on conversation and expansion of vocabulary. Prerequisite: Spanish 153 or equivalent.

SPA 311, 12, 13, 14, 15. DISCUSSION CIRCLE
This course consists primarily of guided conversation in Spanish, based on current issues as they are reflected in contemporary journals and newspapers. The emphasis is on conversational, rather than on specialized, vocabulary. Prerequisite: Spanish 252 or consent of instructor.

SPA 350. SPANISH CONVERSATION
Practice in the use of everyday Spanish through conversation, vocabulary building and oral presentation. Only Spanish spoken in class. Prerequisite: Spanish 252 or equivalent.

SPA 351. SPANISH GRAMMAR AND COMPOSITION
Treatment of fine points of grammar and idioms, with special attention to the verbal and pronominal systems. Readings appropriate to grammatical points, translations and weekly directed compositions. Prerequisite: Spanish 252 or equivalent.

SPA 352. APPROACH TO HISPANIC LITERATURE
Study of selections from major Hispanic writers with emphasis on reading, the spoken language and grammar review as needed. Oral and written reports. Prerequisite: Spanish 252 or equivalent.

SPA 354. SPANISH CIVILIZATION
A study of the culture and civilization of Spain with emphasis placed on the historical and social development of the country. Prerequisite: Spanish 252 or equivalent. Taught in Spanish.

SPA/LAS 355. LATIN AMERICAN CIVILIZATION
A study of the culture and civilization of Latin America from the time of the pre-Columbian Indian societies through the present. Prerequisite: Spanish 252 or equivalent. Taught in Spanish.

SPA 399. SELECTED TOPICS IN SPANISH
SPA 460. SPANISH PHONETICS AND ADVANCED COMPOSITION
Explanation of the Spanish phonological system with oral practice of Spanish; attention to intonation, pitch, juncture and stress. Composition and sentence translations with emphasis on sentence complexity, word choice, word order and euphony of expression. Prerequisite: SPA 252 or equivalent.

SPA 451. COMMERCIAL SPANISH
Survey of business vocabulary, basic business and cultural concepts, and situational practice necessary for entry-level understanding of the Spanish-speaking business world. Practice in reading and writing of correspondence and commercial documents in Spanish. Prerequisites: two Spanish courses at the 300-level or consent of the instructor.

SPA 453. EPICS AND BALLADS
Study of Hispanic epics and ballads and other popular and folk forms of literature. Taught in Spanish. Prerequisite: Spanish 352 plus one additional course at the 300-level or consent of the instructor.

SPA 454. LITERATURE OF "PUNDOOR"
Study of Hispanic literature from the seventeenth century to the present, emphasizing the cultural themes of dignity, honor and pride. Concentration on Spanish peninsular works of literature. Taught in Spanish. Prerequisite: Spanish 352 plus one additional course at the 300-level or consent of the instructor.

SPA/LAS 456. LITERATURE OF EXPLOITATION
Study of Latin American literature up to the twentieth century, with emphasis on the Hispanic themes of exploitation and the social roles which are conditioned through such exploitation. Taught in Spanish. Prerequisite: Spanish 352 plus one additional course at the 300-level or consent of the instructor.

SPA 458. AFRO-HISPANIC LITERATURE
Study of literary works which present the images of the African in Hispanic literature and which portray the Black experience in Latin America. Taught in Spanish. Prerequisites: SPA 352 plus one additional 300-level Spanish
course or consent of the instructor.

**SPA 460. LATIN AMERICAN CULTURE THROUGH FILM**

Study of significant themes of Latin American culture (such as the role of the family, Hispanic immigration, impact of revolutions, etc.) through Spanish-language films. Films will be accompanied by supporting texts and classroom discussion. Oral and written reports required. Prerequisites: SPA 350 or SPA 355 or permission of instructor.

**SPA 461. CONTEMPORARY HISPANO-AMERICAN CULTURE**

Study and analysis of Twentieth-Century Hispanic-American history, politics, and social issues through contemporary Spanish-language texts and media. Prerequisites: two courses in Spanish at the 300 level or consent of the instructor.

**SPA 462. CONTEMPORARY SPAIN**

Study and analysis of twentieth-century Spanish history, politics, and social issues through contemporary Spanish texts and media, including newspapers, periodicals, films, television programs and radio broadcasts. Taught in Spanish.

**SPA 463. LITERATURE OF FAITH AND PIETY**

Intensive study of the masterpieces of the Spanish Golden Age with emphasis on the themes of mysticism, piety, and anticlericalism. Taught in Spanish. Prerequisite: Spanish 352 plus one additional course at the 300-level or consent of the instructor.

**SPA 465. TWENTIETH-CENTURY SPANISH LITERATURE**

A study of literary trends in twentieth-century Spain. Oral and written reports. Active use of the Spanish language. Prerequisite: Spanish 352 plus one additional course at the 300 level, or consent of the instructor.

**SPA 467. CERVANTES**

The study of selected works of Miguel de Cervantes, with primary emphasis on his masterpiece *Don Quixote*, together with consideration of its literary antecedents. Prerequisite: Spanish 453.

**SPA 469. LATIN AMERICAN "BOOM" LITERATURE**

A survey of Latin American literature since 1960. Emphasis on those Latin American novelists, short story writers, poets, dramatists and essayists whose works began to receive international recognition in contemporary culture. Active use of the Spanish language. Prerequisite: Spanish 352 plus one additional course at the 300-level, or consent of the instructor.

**SPA 499. DIRECTED STUDY IN SPANISH**

Independent study under faculty supervision. Prerequisite: consent of department head.

**SPA 599. SELECTED TOPICS IN SPANISH**

**YORUBA**

**YOR 151. ELEMENTARY YORUBA I**

Introduction to the essentials of Yoruba grammar and culture; acquisition of basic vocabulary; practice in speaking, listening, reading, and writing.

**YOR 152. ELEMENTARY YORUBA II**

Continuation of Yoruba 151. Prerequisite: YOR 151 or consent of the instructor.

**YOR 153. ELEMENTARY YORUBA III**

Continuation of Yoruba 152. Prerequisite: YOR 152 or consent of instructor.

**GEOGRAPHY**

Courses in geography are offered by the Department of Geology and Geography.

Professor: D. Good
Associate Professor: S. Mitcham
Assistant Professor: J. Leib

**GGY 250. WORLD REGIONAL GEOGRAPHY**

Study of geographic regions of the world emphasizing physical landscapes, resources, economies, culture and politics. Selected problems or situations of contemporary interest will be incorporated.

**GGY 350. PHYSICAL GEOGRAPHY**

A study of earth environmental systems. Landforms and their evolution, soils, vegetation, and climates are the main topics.

**GGY 358. ECONOMIC GEOGRAPHY**

A study of the distribution, production and utilization of the world's basic commodities.

**GGY 357. CULTURAL GEOGRAPHY**

Basic concepts of cultural geography including characteristics and spatial patterns of population, religion, settlements, economies, languages, nutrition, health, migration, economic development, art, music and other cultural phenomena.

**GGY 358. CONSERVATION**

An examination of basic-environmental factors in the setting of man's economic and social actions. Particular emphasis is placed on modern efforts of conservation and preservation as they concern animal life, forest resources, water fisheries and agriculture.

**GGY 360. WEATHER AND CLIMATE**

Study of the elements and controls of weather and climate and the distribution and characteristics of climate regions.
GGEY 399. SELECTED TOPICS IN GEOGRAPHY
GGEY 450. INDUSTRIAL GEOGRAPHY
Factors in industrial location. Detailed locational analysis of selected manufacturing industries.
GGEY/AS 451. GEOGRAPHY OF NORTH AMERICA
Analysis of the physical, political, economic, and cultural geography of the United States and Canada.
GGEY 452. URBAN GEOGRAPHY
Geographic analysis of site, situation, base, principal functions, distribution, supporting and internal structure of urban settlements.
GGEY/AS 453. GEOGRAPHY OF THE SOUTH
A systematic and regional treatment of the geography of the South including the physical, cultural and economic aspects of the various regions.
GGEY/AS 460. GEOGRAPHY OF LATIN AMERICA
A study of the physical, cultural, and economic geography of Latin America.
GGEY 462. GEOGRAPHY OF EUROPE
A survey of the physical, cultural, political, and economic geography of Europe. Selected problems or situations of contemporary interest will be incorporated. Prerequisites: GGEY 250 or permission of instructor.
GGEY/AS 487. HISTORICAL GEOGRAPHY OF NORTH AMERICA
Geographic relationships in the exploration, settlement, and changing patterns of human occupancy of North America from the 17th century to the present.
GGEY 499. SPECIAL PROBLEMS IN GEOGRAPHY
Independent study for advanced students in geography. Prerequisite: Approval of department chair.
GGEY 599. SELECTED TOPICS IN GEOGRAPHY
GEOLOGY
Courses in geology are offered by the Department of Geology and Geography.
F. Rich, Chair
Professors: G. Bishop, S. Hanson (Emeritus)
Adjunct Professor: V. Henry
Associate Professors: J. Darrell, R. Petkewich, F. Rich
Assistant Professors: D. Battles, M. Evans, K. Vance
Temporary Assistant Professor: R. Hulbert
Adjunct Associate Professor: C. Schuberth
GGEY 151. GENERAL PHYSICAL GEOLOGY
An introductory study of the origin and structure of earth materials, processes modifying earth’s interior and exterior. Three lectures and four laboratory hours per week.
GGEY 152. GENERAL HISTORICAL GEOLOGY
Origin and geologic history of the earth. Methods of interpretation, fossils, geologic time measurements, time scale, physical and organic development of the earth. Three lectures and four laboratory hours per week. Prerequisite: GGEY 151 or permission of Instructor.
GGEY 165. PRINCIPLES OF ENVIRONMENTAL GEOLOGY
An introduction to geologic processes, including flooding, coastal erosion, volcanoes, and earthquakes, and their effect on our environment. The origin, global distribution, use, and reserves of the earth’s basic resources, including soils, water, minerals, rock deposits and energy resources are investigated. The role and effect of these components on our daily lives are discussed.
GGEY 321. BASIC SCIENTIFIC PHOTOGRAPHY
This course will cover basic history, theory and techniques of communicating concepts of science by photography. Techniques of black and white photography will be applied to recording field data and the preparation of illustrations for publication. Techniques of color photography will be applied to recording field and laboratory data for presentation in technical talks. One hour laboratory per week.
GGEY 351. ELEMENTARY CRYSTALLOGRAPHY AND MINERALOGY
An introduction to morphological crystallography, and the study of the genesis, occurrence and uses of the common metallic minerals. Laboratory work consists of study of common crystal forms and the physical and chemical identification of minerals. Three lectures and four laboratory hours a week. Prerequisite: GGEY 151 and CHE 181-182.
GGEY 352. SILICATE AND OPTICAL MINERALOGY
An introduction to the genesis, occurrence, uses and optics of common silicate minerals. Laboratory work consists of the study of the internal structures of minerals, mineral identification and the use of the petrographic microscope. Three lecture and four laboratory hours a week. Prerequisite: GGEY 351.
GLY 353. PETROLOGY AND PETROGRAPHY
An introduction to the origin, occurrence and classification of common rocks. Laboratory work consists of combined megascopic and microscopic study of rock. Three lectures and four laboratory hours a week. Prerequisite: GLY 351, 352.

GLY 355. FIELD METHODS IN GEOLOGY
Instruction in the use of the basic tools and techniques used in compiling geologic maps and cross-sections. Geologic surveying by means of pace and compass, planestable and alidade, aerial photographs, basic geophysical equipment and other commonly used instruments will be emphasized. Three lecture and four laboratory hours per week. Prerequisite: GLY 152 and MAT 152.

GLY 359. SELECTED TOPICS IN GEOLOGY
GLY 411. INTRODUCTION TO RESEARCH
The process of geological research will be studied from the scientific method through the process of writing a scientific proposal. Construction of a technical paper and the technical oral presentation will be examined and practiced. Usages of geologic terms will be explained and learned. A proposal for a research project will be selected or assigned, a proposal written and an oral presentation of the proposed research will be made. Prerequisite: Junior standing and permission of the instructor.

GLY 421, 422, 423.
MUSEUM METHODS IN GEOLOGY A, B, C
Practical experience in curation of geological museum specimens. Techniques include cataloging, preparation, reproduction, exhibiting and interpreting of geologic materials. Prerequisite: permission of instructor.

GLY 424. APPLIED GEOPHYSICS:
GRAVITY AND MAGNETICS
An introduction to gravity and magnetic methods in geophysics. Magnetic data will be collected in the field. Gravity and magnetic data will be reduced and interpreted in conjunction with the known geology. Prerequisites: MAT 152 and permission of instructor.

GLY 425. APPLIED GEOPHYSICS:
RESISTIVITY AND REFRACTION
An introduction to electrical resistivity and seismic refraction methods in geophysics. Field collected data will be reduced and interpreted in conjunction with the known geology. Prerequisites: MAT 152 and permission of instructor.

GLY 426. APPLIED GEOPHYSICS:
REFLECTION
An introduction to seismic reflection methods in geophysics. Field collected data will be reduced and interpreted in conjunction with the known geology. At least one other geophysical method will be utilized to support the reflection data. Prerequisites: MAT 152 and permission of instructor.

GLY 451. INVERTEBRATE PALEONTOLOGY
A study of the morphology, classification, and geologic significance of invertebrate fossils. Three lectures and four laboratory hours per week. Prerequisite: GLY 151-152, BIO 151, or permission of instructor.

GLY 452. STRATIGRAPHY
Introduction to the principles and application of stratigraphy and biostratigraphy. Emphasis is placed on concepts of time, time-rock, and rock units; sedimentary facies; guide fossils and fossil ranges; and description of rocks in time and space, their correlation and interpretation. Three lectures and four laboratory hours per week. Prerequisite: GLY 151 and 152; GLY 451 and 459 strongly recommended. Spring quarter.

GLY 453. STRUCTURAL GEOLOGY
A study of geologic structures resulting from rock formation and deformation. Attention will be given to recognition and solution of structural problems. Three lectures and four laboratory hours per week. Prerequisite: GLY 151 and MAT 152.

GLY 459. SEDIMENTATION
Introduction to the principles of sedimentation, petrologic interpretation and basic laboratory techniques. The origin and distribution of sedimentary rocks is examined from initial weathering, through erosion and transportation, to environments and mechanisms of deposition. Three lectures and four laboratory hours per week. Prerequisite: GLY 152 recommended.

GLY 494. SELECTED PROBLEMS IN GEOLOGY
Independent field and laboratory investigation under faculty supervision. Written report required. Prerequisites: senior standing and permission of the instructor.

GLY 512. SEMINAR IN GEOLOGY
The process of scientific communication will be investigated and practiced. A final paper on the student's senior research topic will be written and an oral presentation made in a formal "Technical Session" format. The student will learn to prepare visual aids to illustrate his/her paper and talk. The "Technical Session" will be organized and run by students. Prerequisites: GLY 494 or permission of the instructor.
GLY 551. GEOCHEMISTRY
The application of chemical concepts to geological problems. Five lecture hours a week. Prerequisite: GLY 151-152, 351-352, CHE 181-182 or approval of instructor.

GLY 552. INTRODUCTION TO VERTEBRATE PALEONTOLOGY
A study of the morphology, classification and geologic significance of vertebrate fossils. Three lectures and four laboratory hours per week. Prerequisite: GLY 151-152, BIO 151 or approval of instructor.

GLY 555. EARTH SCIENCE
A systematic study of the earth as a planet, including aspects of its atmosphere, oceans, lithosphere, soils and physiography. Laboratory will emphasize the location and utilization of local, as well as regional materials for earth science teaching and learning. Three lectures and four hours of laboratory per week. Prerequisite: a foundation course in geology is recommended. Permission of instructor.

GLY 561. INTRODUCTION TO MICROPALOEONTOLOGY
Principles, techniques of preparation and classification of microfossils with emphasis on foraminifera, ostracodes and other animal groups smaller than 200 microns as well as spores and pollen. Three lectures and four laboratory hours per week. Prerequisite: GLY 151-152, GLY 451, or BIO 151 or permission of instructor.

GLY 562. GENERAL OCEANOGRAPHY
An integral approach to the study of oceans with special emphasis on the biology, chemistry, and geology of ocean basins. Studies will include the ecologic, physical, and geologic features of ocean basins, as well as chemical composition of ocean water and oceanic circulation processes. Three lectures and four laboratory hours per week. Prerequisite: BIO 151, CHE 181, 182 or permission of instructor.

GLY 571. GEOMORPHOLOGY
A systematic study of land forms and the processes which create and modify them. Four lectures and two laboratory hours a week. Prerequisites: GLY 151 or GGY 350.

GLY 572. GEOLOGIC EVOLUTION OF THE COASTAL PLAIN
A study of the agents of weathering, transportation and deposition of sediments and the development of coastal plain landforms. Includes a study of Mesozoic and Cenozoic stratigraphy and paleontology with special emphasis on the Gulf and Atlantic Coastal Plains. Four lectures and two laboratory hours per week. Prerequisite: GLY 151, 152; GLY 571 recommended.

GLY 592. REGIONAL FIELD GEOLOGY
A field expedition involving geological investigation of a major geologic region of North America. Students will be expected to make geological observations through such techniques as mapping, measuring sections, collecting scientific samples, or other standard techniques, then to analyze and interpret their observations or measurements. A scientific journal or notebook will be used by each student to record data and observations. A final report will be required. Students usually will bear tuition, travel, and living expenses in the field. Prerequisites: Introductory geology course and/or permission of instructor.

GLY 599. SELECTED TOPICS IN GEOLOGY

GERMAN
See FOREIGN LANGUAGES.

HISTORY
Courses in history are offered by the Department of History

J. Fraser, Chair
Professors: P. Cochran (Emeritus), J. Fraser, H. Joiner, C. Moseley, G. Rogers (Emeritus), F. Saunders, G. Shriver, R. Shurbutt, J. Smith (Emerita), D. Ward (Emeritus)
Associate Professors: A. Bailey, R. Barrow, V. Egger, C. Ford (Emerita), C. Thomas, A. Young
Temporary Assistant Professors: A. Downs, R. Reiman
Temporary Instructor: J. Brautigam
Part-time Instructors: E. Mallard, K. Sinisi

HIS 152. DEVELOPMENT OF CIVILIZATION
The first course traces the development of civilization from prehistoric times to the dynastic and religious wars of the seventeenth century.

HIS 153. DEVELOPMENT OF CIVILIZATION
The second course begins at 1660 with a study of the old regimes in Western Europe, the French Revolution and its aftermath, the western democracies in the nineteenth century and a survey of power politics in the twentieth century.
HIS 252. THE UNITED STATES TO 1877
A survey of American history from its colonial origins to the end of Reconstruction.

HIS 253. THE UNITED STATES SINCE 1877
A survey of American history from the end of Reconstruction to the present.

HIS 274. THE BLACK AMERICAN
A systematic study of the history of the Black American with emphasis on his attempt to gain political, economic, social, and legal justice in the United States.

HIS 360. AN INTRODUCTION TO HISTORY
An examination of the dimensions and techniques of history including the processes of research and style.

HIS/AS/WGS 351. WOMEN IN AMERICAN HISTORY
A study of the role of women in the political, economic, social and intellectual life of the United States.

HIS/AS/AAS 362. AFRICAN AMERICAN HISTORY TO 1877
African American History to 1877. African background to Reconstruction. This is a study of the history of the thought and actions of people of African ancestry in the United States from their origins in Africa to 1877.

HIS/AS/AAS 363. AFRICAN AMERICAN HISTORY SINCE 1877
African American History since 1877. This course is a continuation of History 352. The focus of the course is the history of the African American experience since 1877. The emphasis will be on two transitions: from rural America in the fifties and from segregation to civil rights.

HIS 367. HISTORY OF GREECE
A survey of Greek history from the Minoan and Mycenaean civilizations to the Roman conquest. Prerequisite: HIS 152.

HIS 358. HISTORY OF ROME
A survey of Roman history and society from the beginnings to the fall of the empire in the West, with special attention to the period from the late Roman Republic to the early Roman Empire. Prerequisite: HIS 152.

HIS 359. THE RENAISSANCE
This course focuses on humankind's greater emphasis upon explorations of the past, the geographic world, and the capacity to create. HIS 361. HISTORY OF ENGLAND TO 1688
A survey of English history from the Roman invasion of Britain in 55 B.C. to the "Glorious Revolution" of 1688.

HIS 362. HISTORY OF ENGLAND, 1688 TO THE PRESENT
A survey of modern British history from the "Glorious Revolution" of 1688 to the present.

HIS 364. SCIENCE AND TECHNOLOGY: PYRAMIDS TO NEWTON
A survey of science and technology, covering early scientists, key discoveries and inventions, and how science changes and technology develops. Prerequisite: HIS 152.

HIS 365. EUROPE SINCE 1914
A study of causes and results of the First and Second World Wars with emphasis on political, social, economic and cultural problems in the two postwar periods.

HIS 366. GERMANY: 1648 TO THE PRESENT
A survey of modern German history, outlining the origins of Prussia, Bismarck's power politics and the rise and fall of Hitler's Third Reich.

HIS 368. DIPLOMATIC HISTORY: 1870 TO THE PRESENT
An overview of European diplomatic development, centering its attention on the First and Second World Wars and the postwar efforts toward international stability.

HIS 370. AMERICAN MILITARY HISTORY
A general study of American military activities in war and peace, including policy, administration, and the role of armed services in American history.

HIS/LAS 371. LATIN AMERICA: THE COLONIAL PERIOD
A survey of the discovery, conquest, and colonization of Latin America by the Spanish and Portuguese from the pre-Columbian era to the struggles for independence.

HIS/LAS/AAS 373. MEXICO AND THE CARIBBEAN
A study of the conquest and establishment of Hispanic culture in Mexico and the Caribbean, with particular emphasis on developments in Mexico, Cuba and Hispaniola since their independence.

HIS/LAS 374. A.B.C. POWERS
A survey of the political, economic, social, and cultural development of Argentina, Brazil and Chile from their struggles for independence to the present.

HIS 375. ISLAMIC CIVILIZATION
A study of the institutions and cultural achievements of the Islamic world from Morocco to Indonesia, with special emphasis on the origins and distinctive characteristics of Islam as both religion and ideology.
HIS 377. RUSSIA TO 1917
A survey of the evolution of the Russian people from their Kievan origins to the Revolution of 1917. Emphasis will be placed on the elements of continuity between Czarist Russia and the Soviet Union.

HIS/AS 380. AMERICAN SOCIETY AND THOUGHT
Fashions and fads, manners and morals, the impact of a sense of mission, mobility, puritanism, slavery, Darwinism and Freud on the American mind and character through the 1920's.

HIS/RS 381. INTRODUCTION TO THE HISTORY OF RELIGION IN THE UNITED STATES
A survey and analysis of the major religious patterns in the United States with special attention given to belief systems, institutional forms, social composition and historical development.

HIS/RS 384. HERESY AND DISSENT IN WESTERN RELIGIOUS HISTORY
A careful study of minorities and heretics in western religious history with special emphasis on belief systems, historical continuity, intolerance and persecution and the unique contributions of minorities to the dominant society.

HIS/AAS 385. HISTORY OF SUB-SAHARAN AFRICA I
A survey of the history of Sub-Saharan Africa from the origins to 1800, including developments in culture, society, politics and foreign relations, especially with the Islamic and Western World.

HIS/AAS 386. HISTORY OF SUB-SAHARAN AFRICA II
A survey of the history of Sub-Saharan Africa from 1800 to the present, including developments in culture, society, politics and foreign relations especially with the Islamic and Western worlds.

HIS/WGS 387. WOMEN IN MODERN EUROPEAN HISTORY
This course will examine the impact of economic, social, and political events on women in Western Europe since 1789.

HIS 389. 19TH-CENTURY EUROPE
A study of the main political, social, economic, and cultural developments of the nineteenth century, with emphasis on the problems of nationalism, industrialization, revolution and the cultural movements of Romanticism and Realism.

HIS 399. SELECTED TOPICS IN HISTORY

HIS 450. GEORGIA HISTORY
A detailed study of all aspects of Georgia history from colonization to the present. A field trip is made to places of historic interest in the state.

The study of the history of Europe in the sixteenth and early seventeenth centuries, with special emphasis on the great religious upheaval of that period and its interrelationships with other aspects of history.

HIS 452. THE CIVIL WAR AND RECONSTRUCTION
An analysis of the causes of the Civil War and a study of domestic affairs and foreign relations during the war period with special emphasis on the political, social and economic aspects of Reconstruction.

HIS 453. THE AGE OF REFORM: POPULISM, PROGRESSIVISM AND THE NEW DEAL
An examination of the reform movements in the United States from the 1890's to World War II, with special emphasis on agrarian discontent, progressivism, the impact of foreign policy, the Great Depression and the sweeping changes of the New Deal period.

HIS 454. MEDIEVAL HISTORY
The restructuring of Western society on a fundamentally Germanic, Latin and Christian foundation.

HIS 455. THE YOUNG REPUBLIC
A survey of the Federalist and Republican administrations and diplomatic growth of the United States, 1789-1828.

HIS 456. NATURE AND CONSEQUENCES OF SECTIONALISM
A study of the political, economic, social, and cultural differences of each section, 1840-1861, with emphasis on the South.

HIS 457. THE EASTERN FRONTIER: 1607 TO THE INDIAN REMOVALS
A study of the moving frontier with emphasis placed on the physical advance into the wilderness, the Indian wars, fur trade and cultural and social developments which characterized the westward migration.

HIS 458. THE NEW SOUTH
The historical background and the political, economic, and cultural patterns of the twentieth-century South are studied with particular emphasis on Georgia's place in the regional picture.
HIS/AS 459. AMERICAN BIOGRAPHY
A study of the major political, social, and intellectual figures who made outstanding contributions in the development of American history.

HIS 460. THE AMERICAN WEST
A study of the expansion and settlement of the West, including the fur trade, territorial expansion, pioneer life, spread of statehood, mining and cattle frontiers, western railroads and Indian relations.

HIS 461. HISTORY OF THE SOVIET UNION
A history of the Bolshevik Revolution and of the Soviet Union to the present day. Domestic political events will be related to the social and economic bases of Russia and the Soviet Union. Moscow's place in world affairs will be examined.

HIS/AS 462. AMERICAN ECONOMIC HISTORY
A study of the economic growth of the United States and an analysis of the factors which have shaped this development including the role of financial and business organizations.

HIS 463. DIPLOMATIC HISTORY OF THE UNITED STATES
A study of the background of American diplomatic history with analysis of revolutionary shifts in policy and action brought about by continuing crises of the Atomic Age.

HIS 464. IMPERIALISM AND DECOLONIZATION, 1875 - PRESENT
During the period 1875-1920, the industrialized nations of the West carved out territories in most of Africa and Asia, only to lose almost all of them by 1970. This course analyzes the historiographical treatment of causes of the "new imperialism," the debate over imperialism's effects, and the process of decolonization.

HIS/AS 465. THE BIRTH OF THE REPUBLIC
A detailed examination of the colonial and revolutionary periods of American history.

HIS 466. AGE OF JACKSON, 1828-1848
A history of American politics, life, and society from the political advent of "Old Hickory," Andrew Jackson, through the administration of "Young Hickory," James K. Polk.

HIS 467. MAJOR THEMES IN WESTERN RELIGIOUS HISTORY
A thematic approach to the history of religion in the West. Such themes as church-state relations, the quest for authority, the development of religious institutions, the role of heresy and dissent and attempts at unity will be empha-
sized.

HIS 468. RISE OF AMERICA TO WORLD POWER, 1775-1900
A survey of American foreign policy from the Revolution to the aftermath of the Spanish-American War. Prerequisite: HIS 252.

HIS 469. WORLD WAR II
The Second World War from its origins to its consequences. The military campaigns are covered, but there is also emphasis on the personalities, the technology, the national policies and the effect of the war on the home fronts.

HIS 470. AMERICA AS A WORLD POWER SINCE 1900
A survey of American foreign policy from the aftermath of the Spanish-American War to the present. Prerequisite: HIS 253.

HIS 472. WAR AND SOCIETY, 1618 TO THE PRESENT
An analysis of how warfare molds society and is in turn molded by it - from the days of the matchlock to the age of the guided missile.

HIS 473. NAVAL WARFARE: FROM THE ARMADA TO THE ATOMIC AGE
A survey of the policies and practices of modern naval warfare from the Spanish Armada to the advent of nuclear vessels.

HIS 475. THE URBANIZATION OF THE UNITED STATES
A survey of the process, progress and problems of urban growth in the United States from the eighteenth century to the present.

HIS 476. RECENT AMERICA: UNITED STATES SINCE 1945
The history of the United States since World War II, including developments in American society, economy, politics and foreign policy.

HIS/AAS 477. HISTORY OF AFRICAN NATIONALISM
A survey of the history of modern African nationalism since the 19th century. The course will examine the anti-colonial struggle; the recovery of national independence and post-colonial problems.

HIS 478. MODERN SPAIN AND PORTUGAL
A cultural and political history of Spain and Portugal from 1700 to the present.

HIS 479. READING FOR HONORS IN HISTORY
HIS 480. HISTORY OF THE ANTE-BELLUM SOUTH
The development of southern economic, social, and political institutions to 1860.
HIS/AS 481. CONSTITUTIONAL HISTORY OF THE UNITED STATES
The development of American constitutionalism from the colonial period to the present with emphasis on the adaptation of the federal system to changing social, economic and political demands.

HIS 482. FROM LOUIS XIV TO NAPOLEON, 1660-1815
An investigation into the political, social and cultural currents of the Old Regime, the French Revolution and the Napoleonic Era.

HIS 483. FROM EMPIRE TO REPUBLIC, 1815-1914
An investigation of continuity and change in the political, social and intellectual currents of nineteenth-century France.

HIS 484. TWENTIETH-CENTURY FRANCE, 1914 TO THE PRESENT
An investigation into the political, social and intellectual currents which have shaped the French experience in the twentieth century.

HIS 485. TUDOR-STUART ENGLAND
A study of England's constitutional, political, religious and social development from Henry VII to the end of the reign of Queen Anne.

HIS 486. MODERN BRITAIN
An intensive analysis of the political, economic and social history of England beginning with the Reform Bill of 1867.

HIS 488. MEDIEVAL ENGLAND FROM THE CONQUEST TO 1450
Medieval English history from the conquest to the Tudor period.

HIS 489. THE MODERN MIDDLE EAST
A study of the Middle East since World War I. Major topics include Zionism, nationalism, and Islamic revolutionary movements.

HIS 496. TOPICS IN BUSINESS HISTORY
Various topics allow a broad survey of significant issues in business history or an intensive treatment of a specific theme. Prerequisites: HIS 252 or HIS 253 recommended but not required.

HIS 499. SPECIAL PROBLEMS IN HISTORY
Independent study for advanced students in history. Prerequisite: approval of department head.

HIS 550. SCIENCE AND TECHNOLOGY: NEWTON TO APOLLO 15
A survey of the history of modern science and technology. Covers key scientists, scientific discoveries, inventions, and how science and technology interact. Prerequisite: HIS 153.

HIS 599. SELECTED TOPICS IN HISTORY

JOURNALISM
See COMMUNICATION ARTS

JUSTICE STUDIES
The primary responsibility for the program in is carried by the Department of Political Science.

L. Van Tassel, Chair
M. Reese, Director
Professor: G. Cox
Associate Professors: M. Reese, R. Waugh
Assistant Professors: F. Ferguson, S. Tracy
Temporary Assistant Professor: D. Sabia
Part-time Assistant Professor: M. Classens

JS 251. INTRODUCTION TO CRIMINAL JUSTICE
A survey of the history, philosophy and principles of Criminal Justice. The student will explore the organization and administration of enforcement, adjudication and corrections.

JS 252. INTRODUCTION TO CORRECTIONS
To introduce the student to all phases of the field of corrections from its development to its prospects for the future. Introduces the student to correctional problems and the diversity of emphases being placed on correctional programs. It will also serve as a survey course of jurisdictional objectives and practices.

JS 255. INTRODUCTION TO OFFENDER REHABILITATION
A study of the processes used in probation and parole as well as evaluation of confinement. Rights and responsibilities of the offender and court decisions affecting rehabilitation and treatment. Field trips will be attempted as class-load permits. (JS 255 may only be taken for credit by JS/AAS degree candidates or as an elective.)

JS 261. CRIMES
A study of the theories in criminal law. Seeks to establish the relationship of criminal law to the prevention of criminal behavior and to rehabilitation. Introduces the student to techniques of legal research and interpretation of the penal code and other criminal statutes, with special emphasis placed on the Georgia Criminal Code.

JS 263. POLICE ADMINISTRATION
Investigates the principles of organization, administration and duties of police agencies. Examines ideas such as lateral entry, team policing, neighborhood police, central staff control and professionalization.

JS 264. FUNDAMENTALS OF PROOF
Case presentation as it pertains to the officer in court. The nature and degrees of evidence are
examined. Handling and preservation of evidence as well as the introduction and admission, or exclusion, of evidence into trial will be thoroughly researched. (JS 264 may be taken for credit only by JS/AAS degree candidates or as an elective.)

JS 266. ISSUES IN CRIMINAL JUSTICE
Review of basic principles and practices of law enforcement. A course designed to bring the practitioner and the various subject areas into sharper focus. (JS 266 may be taken for credit only by JS/AAS degree candidates or as an elective.)

JS 277. PRE-DEGREE RESEARCH PAPER
A supervised program of research into a subject or problem in the student's field of interest resulting in a research paper. (JS 277 may be taken for credit only by JS/AAS degree candidates.)

JS/SOC 354. GANGS, DRUGS, AND CRIMINAL JUSTICE
Students will explore the links between gangs and the drug culture and will trace the development of gangs in U.S. society, examining how the criminal justice system might respond. Prerequisites: JS 251 or consent of instructor.

JS 361. EVIDENCE
A course designed to acquaint the criminal justice practitioner with the nature, kinds and degrees of evidence. The importance of proper handling for preservation and authenticity for admission at trial are examined, as are rules governing admission and exclusion of evidence; judicial notice; presumptions; demonstrative, circumstantial, illegal evidence; the hearsay and best evidence rules; the competency, examination, impeachment and privileges of witnesses; and the burden of proof. Prerequisite: JS 251.

JS 362. CRIMINAL PROCEDURE
An introduction to the relationship, official and unofficial, between police agencies and prosecuting offices. Includes a survey of techniques and methods of each. The student discovers the functions and procedures of the courts - judges, lawyers and juries - with emphasis on Georgia jurisprudence. Prerequisite: JS 251.

JS 363. JUVENILE JUSTICE
An overview of the basic philosophy and procedures of the juvenile justice system; focus on types of juvenile offenders and factors associated with status and delinquent offenders. Past and present processes of the juvenile justice system will be examined.

Landmark cases, Kent, Winship, and Gault will be scrutinized for their impact on the system. Current practices will be studied, particularly the treatment of status offenders, females, gang members and substance abusers within the system. Prerequisites: JS 252 or consent of instructor.

JS 364. COMPARATIVE INDUSTRIAL SECURITY
A study of security problems in banks, campuses, computer centers, hospitals, public conveyances, as well as personnel safety and security in business, industry and government. Attention will be given to employment opportunities in safety and security as a career field.

JS 365. ADVANCED CORRECTIONS
The principles and practices of probation and parole, emphasizing constructive methods of correctional processing within the formal scope of community based corrections as well as an overview of the development, philosophy and operational manifestations of institutional corrections and the subsequent classification and programming. Prerequisite: JS 252 or consent of instructor.

JS 367. ADVANCED CRIMINAL INVESTIGATION
An analytic approach to criminal investigation, from the point of detection to offender apprehension. Students learn about the search, recovery and preservation of forensic material recovered at the crime scene. Additional focus is given to crime laboratory use and fingerprint classification.

JS 399. SELECTED TOPICS IN CRIMINAL JUSTICE
JS 453. OFFENDER COUNSELING AND SUPPORT
This course is designed to explore the role of treatment in the correctional setting through an investigation of the counseling process and the impact it has on the persons affected. Treatment processes will be explored using case studies and counseling methods now utilized as well as those under study. Emphasis will be placed on specific problems, e.g. AIDS, conjugal visits, incarcerated females, violent offenders, and links to the outside community. Prerequisite: JS 252 or consent of instructor.

JS 461. SEMINAR
A seminar designed to bring together the various subject matter areas covered by the Justice Studies major. Students will be
assigned specialized research topics in their fields of interest.

JS 472. SENIOR PROJECT
A program of readings and research in a subject or problem of the justice studies spectrum resulting in a senior paper.

JS 491, 492, 493. INTERNSHIP I, II, III
A major involvement with judicial, corrections, law enforcement, or related agencies. Student will work with an agency a full quarter and will receive five quarter hours credit for each internship course. A maximum of 15 hours credit may be earned as internship credit. A course summary will be required from each participating student. Prerequisite: permission of the program director.

JS 599. SELECTED TOPICS IN CRIMINAL JUSTICE

LATIN AMERICAN STUDIES
Latin American Studies is an interdisciplinary field including courses offered by several departments. R. Shurbt, Chair

LAS/GGY 460. GEOGRAPHY OF LATIN AMERICA
See GGY 460 for course description.

LAS/HIS 371. LATIN AMERICA - THE COLONIAL PERIOD
See HIS 371 for course description.

LAS/HIS 373. MEXICO AND THE CARIBBEAN
See HIS 373 for course description.

LAS/HIS 374. A.B.C. POWERS
See HIS 374 for course description.

LAS/PSC 378. LATIN AMERICAN POLITICS
See PSC 378 for course description.

LAS/SPA 365. LATIN AMERICAN CIVILIZATION
See SPA 355 for course description.

LAS/SPA 455. SURVEY OF LATIN AMERICAN LITERATURE
See SPA 455 for course description.

LAS 450. SEMINAR IN LATIN AMERICAN STUDIES
This course, which must be taken as the final 5-hour course in the 20-hour block required for the minor in Latin American Studies, is designed to permit interdisciplinary engagement and individualized specialization so that the student can intensify his or her studies of Latin American topics.

MATHEMATICS AND COMPUTER SCIENCE

A. Sparks, Chair
Professors: J. Davenport, A. Sparks, D. Stone, N. Wells
Associate Professors: M. Aulick, A. Barbour, C. Champ, C. Christmas (Emeritus), R. Harshberger, R. Hathaway, C. Kariotis, E. Lavender, B. McLean, A. Pierce, J. Rafter, M. Smith (Emeritus)
Assistant Professors: M. Abell, S. Boddiford, B. Carter, S. Davidson, E. Hardy (Emerita), Y. Hu, W. Lynch (Emeritus), L. Roberts, P. Watkins, R. Wells
Temporary Assistant Professor: X. Li
Temporary Instructors: M. Hoy, L. Maddox, K. Milnor, S. Morris, M. Rose, J. West

Courses in computer science, mathematics and statistics are offered by the Department of Mathematics and Computer Science.

COMPUTER SCIENCE

CSC 230. INTRODUCTION TO BASIC PROGRAMMING
Basic language structure with applications and concepts. Prerequisite: five hours of mathematics.

CSC 232. INTRODUCTION TO FORTRAN PROGRAMMING
Basic concepts, logic and syntax of the FORTRAN programming language. Prerequisite: five hours of mathematics.

CSC 233. COMPUTING IN THE SCIENCES
Use of microcomputers to solve science problems. Includes BASIC programming language, statistical analysis, modelling using spreadsheet and word processing. Prerequisite: restricted to science majors.

CSC 281. PRINCIPLES OF COMPUTER PROGRAMMING I
An introduction to data representation and computer system organization. Algorithm development using simple data types and control structures. Further development using procedures, functions, and structured data types.
Prerequisites: Knowledge of MAT 151 and one of the following: knowledge of a programming language; CIS 251; MAT 166.

CSC 283. PRINCIPLES OF COMPUTER PROGRAMMING II
A continuation of CSC 281. Emphasis will be placed on advanced structured programming and an introduction to data structures. Prerequisite: CSC 281.

CSC 285. FILE PROCESSING
Creation, use, sorting, and modification of sequential-access and random-access files. Continues the development of the design, implementation, testing, and documentation skills begun in CSC 281, with emphasis on algorithm development. Prerequisite: CSC 281.

CSC 287. UNIX AND C PROGRAMMING
A study of the UNIX operating system and the C programming language. Prerequisite: CSC 283.

CSC 351. THEORETICAL FOUNDATIONS
Language definition, grammars, parsing, finite-state machines, recursive function theory, computable functions and Turing machines, and computational complexity. Prerequisites: MAT 251 and CSC 283.

CSC 364. DATA STRUCTURES
Applying algorithmic design techniques to data manipulation and an introduction to algorithm analysis and memory management. Prerequisite: CSC 351.

CSC 385. ASSEMBLER LANGUAGE PROGRAMMING
Computer structure and machine language; symbolic coding and assembly systems; program segmentation and linkage; interrupt-handling. Prerequisite: CSC 283 or consent of instructor.

CSC 399. SELECTED TOPICS IN COMPUTER SCIENCE
CSC 450. COMPUTER ALGORITHMS
An in-depth study of the design and analysis of computer algorithms. Prerequisites: MAT 334 and CSC 364.

CSC 453. THEORY OF PROGRAMMING LANGUAGES
A study of the formal description of programming languages. The features of modern programming languages will be studied and various languages used for examples. Prerequisites: CSC 364 and a programming language in addition to Pascal.

CSC 480. SCIENTIFIC PROGRAMMING
Introduction to numerical methods and concepts for application to scientific problems on the computer. Prerequisites: MAT 334, CSC 283, and a knowledge of FORTRAN.

CSC 482. OPERATING SYSTEMS
A study of operating systems for various size computers. Emphasis will be placed on the management of devices, processes, memory, input/output, and files. Prerequisite: CSC 385 or equivalent.

CSC 483. COMPUTER ARCHITECTURE
Computer systems organization, conventional machine architecture, CPU architecture and organization, input and output. Four hours lecture and one two-hour lab per week. Prerequisites: CSC 385 and MAT 251.

CSC 486. DISCRETE SIMULATION
Introduction to discrete simulation models and their implementation on computers. Topics include modeling techniques, experiment design, analysis and validation of results. Students will be exposed to one or more computer simulation languages. Prerequisites: CSC 281 or MGT 381; MAT 338 or MGT 354 or BIO/MAT 476.

CSC 487. DATABASE SYSTEMS
The fundamental concepts of database management systems (DBMS), with emphasis being given to the design and development of DBMS. Several types of systems will be studied, with primary consideration being given to relational DBMS. Prerequisites: CSC 285 and 364.

CSC 491. INDIVIDUAL PROBLEMS
Designed to offer the student an opportunity to carry out an independent research project. Prerequisite: Consent of instructor.

CSC 499. SPECIAL PROBLEMS/CO-OP
Work experience in computer science through the CO-OP program. A student may enroll in this course more than once, but cumulative credit may not exceed five hours. Variable credit, zero to five hours. Prerequisite: Acceptance as a CO-OP student in the area of computer science.

CSC 550. ADVANCED PROGRAMMING IN BASIC
Advanced topics in computer science using the language BASIC. For teachers and prospective teachers of high school computer science. Prerequisite: CSC 230 or consent of instructor.

CSC 560. COMPUTER GRAPHICS
Graphic fundamentals. Two-dimensional geometric transformations, elementary shading techniques, three-dimensional graphics, curves and surfaces. Prerequisites: CSC 364 and MAT 334.
rinciple equations, continual fractions and quadratic residues. Prerequisites: MAT 167 and either CSC 230 or CSC 281.

MAT 560. FUNDAMENTAL IDEAS OF CALCULUS
A review of the principal ideas of calculus. Prerequisite: MAT 167.

MAT 565. FUNDAMENTAL IDEAS OF ALGEBRA
The elementary theory of groups, rings, and linear algebra. Prerequisite: five hours of mathematics above the 200 level or one year of teaching high school mathematics.

MAT 570. FUNDAMENTALS OF SET THEORY AND TOPOLOGY
The elementary theory of sets and an introduction to Topology. Prerequisite: five hours of mathematics above the 200 level or one year of teaching high school mathematics.

MAT 595. SPECIAL PROBLEMS IN MATHEMATICS
Topics of special need and interest to mathematics teachers will be studied. Prerequisite: consent of instructor.

MAT 599. SELECTED TOPICS IN MATHEMATICS

STATISTICS

STA 255. STATISTICS USING THE COMPUTER I
An elementary course in statistics at a level which does not require a knowledge of calculus. An interactive computer statistical package will be used to solve problems and simulate situations. No computer knowledge required. Prerequisite: five hours of mathematics.

STA 256. STATISTICS USING THE COMPUTER II
Two sample tests of hypothesis and topics in regression and correlation. A survey of computers and data processing principles. Use of large statistical packages such as SPSS, BMD and SAS. Prerequisite: MAT 255.

STA 472. MATHEMATICAL STATISTICS
Random variables, density functions, mathematical expectation, discrete and continuous distributions, moments and moment-generating functions and limiting distributions. Prerequisite: Math 338.

STA/BIO 476. STATISTICAL METHODS I
The following topics are covered: descriptive statistics, normal distribution, sampling experiments, distribution of sample means, tests of significance, parameter estimation, sampling distribution, confidence intervals, linear regression and one-way analysis of variance.

STA/BIO 477. STATISTICAL METHODS II
Topics covered: analysis of variance with multiple classification, factorial experiments, analysis of covariance, multiple regression analysis, and transformations.

STA 480. SAMPLING AND SURVEY METHODS
Design of sample surveys, biases, variance, and cost estimates. Comparison of simple random sampling, stratified, systematic, cluster, and multistage sampling. Emphasis on appropriate sample type and estimation of parameters. Prerequisite: STA 476.

MUSIC

Courses in music are offered by the Department of Music.

R. Marchionni, Chair
Professors: S. Adams (Emeritus), H. Arling, J. Broucek (Emeritus), N. da Roza, J. Graham (Emeritus), D. Graves, R. Marchionni, D. Mathew
Associate Professors: M. Braz, D. Pittman, J. Robbins, D. Wickiser
Assistant Professors: L. Clonitli, G. Harwood, J. Hoffacker, S. McClain, W. Schmid
Temporary Instructor: M. Fallin
Part-Time Instructors: P. Barry, L. Najarian, D. Orbovich, C. Purdy
Staff Accompanist: J. DeLoach

The Department of Music is a full member of the National Association of Schools of Music.

Students wishing to pursue a degree in music must complete an application for admission to the Department of Music as well as pass an entrance audition.

PERFORMANCE REQUIREMENTS

Recital Requirements: Prior to performing a Junior, Senior or Invitational Recital, the candidate must pass a recital approval examination no less than three weeks before the recital date.

Performance majors in the Bachelor of Music degree plan are required to perform a full public recital in both their junior and senior years. Candidates for the Bachelor of Arts degree with an Emphasis in Applied Music Studies may be invited to perform a full public recital in their senior year on their primary instrument. Performance majors with elective studies in business must perform a full public
recital in their senior year. Candidates for a degree in Music Education and Composition may be invited to give recitals upon the recommendation of the applied instructor. A full public recital of original compositions by Composition majors must be presented during the candidate's senior year.

All candidates for a music degree must complete applied music proficiency-level requirements appropriate to the candidate's specific degree plan as well as fulfill other performance requirements consistent with the degree plan or individual course objectives. The appropriate applied music instructor will assist in this area.

A jury examination will be taken on the major applied instrument during the examination week or shortly before the end of each quarter. Students not majoring in music and who take applied music lessons may take a jury examination upon the recommendation of the applied music instructor.

PIANO CLASS AND THE PIANO EXIT EXAMINATION
All freshman and sophomore music majors must pass the piano exit examination. A maximum of six hours credit of Piano Class is allowed toward graduation requirements.

MUSIC THEORY AND EXIT EXAMINATIONS
A placement examination in music theory is required of all transfer students. Freshman music majors may elect to take the placement examination. Placement exam results are for advisement purposes only.

Each major must pass (70 per cent or better) the music theory exit exam. No student may register for any upper-level theory course unless the theory exit exam is successfully completed.

The requirements stated above for exiting the lower-level theory sequence apply regardless of grades received in the lower level theory courses.

DEPARTMENTAL GRADING POLICY
Music majors must earn a minimum grade of "C" in each music class which applies toward graduation. In addition, students must earn a grade of "C" or better in a prerequisite course prior to registering for an advanced course in the same subject area.

ADVICEMENT
All students are assigned an academic advisor by the department chair.

ADDITIONAL POLICIES
See the Department of Music Handbook for additional policies governing degree programs in music.

Enrollment in any applied music course, including Junior Recital Preparation and Senior Recital Preparation, by permission of instructor and/or department chair of music only.

APPLIED MUSIC (PRIVATE LESSONS)
Instruction in various instruments and voice is offered. The fee for receiving one hour credit (25-minute lesson per week) is $12.50 per quarter; the fee for receiving two hours credit (50-minute lesson per week) is $25.00; the fee for receiving three hours credit (50-minute lesson per week) is $37.50.

These courses carry the letters MUA and are numbered in sequence: 100, first year; 200, second year; 300, third year; 400, fourth year; 800, graduate credit. Percussion is 13, 23 or 33; piano is 14, 24 or 34; string instruments are 15, 25 or 35; voice is 16, 26 or 36; woodwind instruments are 17, 27 or 37; brass instruments are 18, 28 or 38. MUA 301 - Junior Recital Preparation - and MUA 401 - Senior Recital Preparation are taken during the quarter the student performs the Junior or Senior Recital. The student enrolled in the recital preparation class will receive one hour credit and a twenty-five minute extra lesson per week. There is no applied music fee for registering in either of the recital preparation classes.

The above MUA sequential numbers are for music majors on their primary instruments only. Music majors taking a secondary instrument and non-majors wishing to take applied music must register for one of the following course numbers: MUA 191N, MUA 192N, MUA 391N or MUA 392N.

MUSIC ENSEMBLES
Ensembles of various types are available. Participation in any specific music ensemble may require a brief audition. See individual directors as to audition requirements.

Group activities for which credit is given carry
the letters MUE and are numbered at the 300 level for undergraduate credit and at the 800 level for graduate credit. The ensembles are as follows: 303 Vocal Ensemble, 304 Opera Theater, 305 Woodwind Ensemble, 306 Brass Ensemble; 307 Percussion Ensemble, 308 Wind Ensemble, 309 Jazz Ensemble, 310 String Ensemble, 311 Collegium Musicum, 312 Jazz Combo, 320 Chorus, 321 Symphonic Band, 324 Orchestra, 325 Marching Band, and 326 Piano Ensemble.

Note: For non-music majors: not more than 10 hours in performing groups and applied music courses may apply toward satisfying the minimum of 190 hours required for a degree.

TECHNIQUES AND CONDUCTING

MUS 110. MUSIC SEMINAR
This course is required for those pursuing degrees in music and is open to other interested students. It acquaints students with a wide variety of topics not normally addressed in other music courses and with the faculty of the Department of Music. Music majors must enroll in the course during their first fall quarter in the program.

MUS 111 a,b. BRASS CLASS
Emphasis on acquiring a theoretical and practical knowledge of brass instruments. This approach includes instructional application through playing and the study of methods and materials.

MUS 112 a,b. PERCUSSION CLASS
Emphasis on acquiring a theoretical and practical knowledge of percussion instruments. This approach includes instructional application through playing and the study of methods and materials.

MUS 113 a,b. STRING CLASS
Emphasis on acquiring a theoretical and practical knowledge of string instruments. This approach includes instructional application through playing and the study of methods and materials.

MUS 114. VOICE CLASS
Emphasis on acquiring a theoretical and practical knowledge of the vocal instrument. This approach includes instructional application through singing and the study of methods and materials.

MUS 115 a,b. WOODWIND CLASS
Emphasis on acquiring a theoretical and practical knowledge of woodwind instruments. This approach includes instructional application through playing and the study of methods and materials.

MUS 116 a,b,c. PIANO CLASS
The study of elementary piano music, scales, transposition, harmony, and open score reading. Required for all non-keyboard majors each quarter until the piano proficiency is passed.

MUS 119. GUITAR CLASS
Group Instruction in guitar. Open to majors and non-majors.

MUS 126 a,b,c. PIANO CLASS
The study of scales, arpeggios, cadences, transposition, harmony, and sight-reading of Bach Chorales, and open score reading. Required for all keyboard majors each quarter (for a maximum of six hours credit) until the Piano Exit Examination is passed.

MUS 215 a,b,c. PIANO CLASS
The study of intermediate piano music, scales, cadences, transposition, harmony, and sight-reading of Bach Chorales, simple compositions, and open score. Required for all non-keyboard music majors each quarter until the Piano Exit Examination is passed. Prerequisites: MUS 116c.

MUS 220 a,b,c. JAZZ IMPROVISATION
Theory and techniques of jazz Improvisation with emphasis on functional harmony, melodic form, special scales, tune studies, ear training, and development of style.

MUS 221. DICTION FOR SINGERS
The course will approach diction for singing through the study of the International Phonetic Alphabet and its application to Italian, French, German, English, Latin, and Spanish song literature. Recommended for singers or for pianists with an interest in vocal accompanying.

MUS 229 a,b. PIANO PEDAGOGY I
A study of learning and teaching styles relative to piano teaching. Survey of methods and materials.

MUS 321 a,b,c. ACCOMPANYING
Practical training in the tradition, interpretation and execution of accompaniments in both vocal and instrumental areas. Required of all students in the Bachelor of Music with a major in performance, piano sequence.

MUS 325 a,b,c. ADVANCED JAZZ
IMPROVISATION
Theory and techniques of advanced jazz improvisation with study of materials and methods for improvising and extemporaneous playing. Emphasis on performance of "standards" by
MUSIC HISTORY AND LITERATURE
MUS 152. INTRODUCTION TO MUSIC
An introduction to selected masterpieces of music studied against a background of lives and times of the great composers.

MUS 251. HISTORY OF MUSIC I
History of music from antiquity to 1750. Prerequisite: MUS 152 or consent of instructor.

MUS 252. HISTORY OF MUSIC II
History of music from 1750 to present. Prerequisite: MUS 152 or consent of instructor.

MUS 324. VOCAL LITERATURE: ITALIAN/FRENCH
A chronological study of the Italian and French song literature focusing on selected works of representative composers in each stylistic period. Recommended for singers or for pianists with an interest in vocal accompanying. Prerequisites: MUS 221 or permission of instructor.

MUS 326. VOCAL LITERATURE: ENGLISH/GERMAN
A chronological study of the English/American art song and German lied focusing on selected songs of representative composers in each stylistic period. Recommended for singers or for pianists with an interest in vocal accompanying. Prerequisites: MUS 221 or permission of instructor.

MUS/AS/AAS 380. HISTORY OF JAZZ
The study of the principal movements, schools, performers and peripheral aspects of American jazz music from its origins to the present. A jazz survey course which emphasizes the historical, musical and chronological development of jazz music.

MUS 454. SYMPHONIC LITERATURE
A survey of orchestral literature from the Venetian School to the present with analysis of selected works. The development of musical instruments, instrumentation and performance practices are also considered. Prerequisite: MUS 152, MUS 227c, MUS 231c or consent of instructor.

MUS 520 a,b,c. PIANO LITERATURE
A historical and stylistic survey of piano literature from the early 18th century to the present.

MUS 551. MUSIC OF THE BAROQUE PERIOD
A survey of the vocal and instrumental music from 1600-1750 with special attention to selected works by Monteverdi, Carissimi, A. Scarlatti, Vivaldi, Schuetz, Bach and Handel. Prerequisite: MUS 251.

MUS 552. MUSIC IN THE 19TH CENTURY
A survey course with special emphasis on symphonic literature, the art song and piano literature. Selected works are analyzed as autonomous works of art and as manifestations of the Romantic spirit. Prerequisite: MUS 252.

MUS 553. MUSIC IN THE 20TH CENTURY
Analysis of selected works illustrating the main trends of music since about 1890. Post-romanticism, impressionism, primitivism, expressionism, neo-classicism, experimental music, electronic and aleatory music. American music since 1900. Prerequisite: MUS 252.

MUS/AS 554. MUSIC OF THE UNITED STATES
A historical survey limited specifically to music and musical practice in the United States from the Colonial Period to the present. Particular emphasis is placed on typically American types such as jazz, folk songs and musical plays.

MUS 555. HISTORY OF OPERA BEFORE 1800
A chronological survey of opera to 1800. Florentine, Roman and Venetian; French; English and German; Neapolitan; Gluck and opera reform; Mozart and the climax of 18th-century opera.
MUS 556. HISTORY OF OPERA AFTER 1800
A survey of opera in the 19th and 20th centuries. Italian opera, German Romantic opera, Wagner's music drama, Verdi, nationalism, verismo and expressionism, opera in America.

MUS 559. MUSIC OF THE CLASSIC PERIOD
A critical study of the Classical style in musical composition from the time of C.P.E. Bach through the early works of Beethoven including analysis of selected compositions. Emphasis is placed on the works of Haydn and Mozart. Prerequisites: MUS 251 and MUS 252.

MUSIC INDUSTRY
MUS 455. MUSIC INDUSTRY I
A course to prepare interested and qualified students for positions in all areas of the music industry. This course combines the elements of (1) Music in the Marketplace, (2) Songwriting, Publishing, Copyright and (3) Business Affairs.

MUS 456. MUSIC INDUSTRY II
A course to prepare interested and qualified students for positions in all areas of the music industry. This course combines the elements of (1) the Record Industry, (2) Music in Broadcasting and Film and (3) Career Planning and Development.

THEORY AND COMPOSITION
MUS 130. REMEDIAL THEORY
This course offers the student an opportunity to review and practice skills necessary to MUS 127 a,b,c; 131; 132 a,b; 227 a,b,c; and 231 a,b,c. No credit.

MUS 127 a,b,c. SIGHT-SINGING AND EAR TRAINING
A beginning course in sight-singing and the melodic, harmonic and rhythmic aspects of ear training. To be taken in conjunction with MUS 131, 132 a,b.

MUS 131. FUNDAMENTALS
A practical course in music and terminology. The first course in a sequence of MUS 131, MUS 132 a,b.

MUS 132 a,b. THEORY I
A study of the basic diatonic harmonies employed in musical composition and culminating with dominant seventh harmonies. Prerequisite: MUS 131 or approval of Instructor.

MUS 227 a,b,c. SIGHT-SINGING AND EAR TRAINING
Develops aural perception and sight-singing skills to parallel the work in MUS 231 a,b,c. Emphasizes melodic and harmonic dictation and sight-singing. To be taken in conjunction with MUS 231 a,b,c. Prerequisites: MUS 127c and MUS 132b.

MUS 228 a,b,c. INTRODUCTION TO COMPOSITION
Creative writing for small ensembles and soloists with emphasis on notation, form and individual stylistic development. Performance of works stressed. Prerequisite: MUS 132b.

MUS 231 a,b,c. THEORY II
A study of traditional and chromatic and 20th-century harmonies. Prerequisites: MUS 127c and MUS 132b.

MUS 328 a,b,c. COMPOSITION
Creative writing using techniques of various historical periods including those of the early 20th century with emphasis on larger forms and individual stylistic development. Performance of works stressed. Prerequisite: MUS 228c, or approval of Instructor.

MUS 356. COUNTERPOINT
Practical writing experience in species, 18th-century, and 20th-century counterpoint. Prerequisite: MUS 231c and MUS 227c, or consent of Instructor.

MUS 357. INSTRUMENTATION
The study of traditional instrumental notation, ranges, and technical capabilities. Basic instrumental scoring techniques. Prerequisite: MUS 231c and MUS 227c or consent of Instructor.

MUS 358. ANALYTICAL TECHNIQUES
A study of form and structure in tonal and non-tonal music. Prerequisites: MUS 231c and MUS 227c.

MUS 361. MUSIC THEORY FOR THE NON-MAJOR
A course in basic music theory with emphasis on note reading, understanding scales and rhythms, simple chord formations and their applications, basic relationships between melody and harmony and reading melodies at sight.

MUS 428 a,b,c. ADVANCED COMPOSITION
Creative writing using techniques of the present including electronic music, multi-mixed and intermediate, theater music and computer music. Performance of works stressed. Required of B.M. students with composition emphasis during final recital preparation. Prerequisite: MUS 328c or approval of Instructor.

MUS 450. JAZZ STYLES AND ANALYSIS
The study of most of the major jazz styles which have been documented in recordings.
Emphasis in post-1940 styles of big band, jazz combos and various rhythm sections, and in the musical analysis of those jazz styles. Prerequisites: MUS 227c; 231c; 360 or permission of instructor.

MUS 460. ELECTRONIC MUSIC
A study and application of the techniques of analog and digital sound synthesis and of recording techniques.

MUSIC EDUCATION
MUS 351. MUSIC FOR TEACHERS: EARLY CHILDHOOD (K-4)
A laboratory course for education majors specializing in early childhood which provides experiences in singing, movement, playing rhythm and accompanying instruments, and music skills for teachers. The emphasized materials of music education are for kindergarten through grade four.

MUS 352. MUSIC FOR TEACHERS: UPPER ELEMENTARY (4-8)
A laboratory course for education majors specializing in upper elementary grades which provides experiences in singing, movement, playing rhythm and other instruments, and music skills for teachers. The emphasized materials of music education are for grades four through eight.

MUS 461. CHORAL CONDUCTING AND LITERATURE
Development of conducting techniques and skills through the study of literature appropriate for all levels of choral ensembles.

MUS 462. INSTRUMENTAL CONDUCTING AND LITERATURE
Development of conducting techniques and skills through the study of literature appropriate for all levels of instrumental ensembles.

MUS 451. MUSIC IN THE ELEMENTARY SCHOOL
A course designed for the music specialist in the elementary school, with an emphasis on materials and methodology used in kindergarten through grade eight. Restricted to music majors.

SPECIAL COURSES
MUS 255. MUSIC IN RECREATION
Introduces the musical concepts of rhythm, melody, and harmony from both a theoretical and a performance-based approach. Emphasis is placed upon the application of acquired musical skills to the areas of public, therapeutic, outdoor, and commercial recreation. For recreation majors.

MUS 399. SELECTED TOPICS IN MUSIC
MUS 491. SPECIAL PROBLEMS IN MUSIC
Individualized topics for independent study. Registration for this course available only after approval of Chair, Department of Music.

MUS 599. SELECTED TOPICS IN MUSIC

PHILOSOPHY
Courses in philosophy are offered by the Department of English and Philosophy.
Assistant Professors: P. Brown, J. Parcells, S. Weiss

PHI 150. SURVEY OF PHILOSOPHY
An introductory course which surveys the ideas of some of the great philosophers of the Western world, focusing on issues about religion, ethics, reality and ways of knowing.

PHI 350. LOGIC
An introduction to both traditional and modern logic placing emphasis on developing the capacity to reason and think clearly. Topics include logical validity, formal and informal fallacies in reasoning, the syllogism and a brief introduction to the propositional calculus.

PHI/ECO 351. HISTORY OF ECONOMIC THOUGHT
A study of the development of modern economic analysis as evidenced in the writings of Smith, Ricardo, Malthus, Mill, Marx, Marshall, Keynes and others with attention to the historic and philosophic context. Prerequisite: ECO 250, 251.

PHI/RS 352. GREAT MORAL PHILOSOPHERS
An introduction to some of the moral points of view of the main ethical philosophers from antiquity to modern times. Readings will include selections from Plato, Aristotle, Hobbes, Hume, Kant and Mill as well as selections from the most influential contemporary philosophers.

PHI 354. AESTHETICS
A survey of two main problem areas: the Philosophy of the Arts and the Philosophy of Taste. Topics include the possibility of knowing what art is, the role of emotion in artistic creation and experience, and the possibility of proving judgments of aesthetic and artistic value.

PHI 356. CONTEMPORARY MORAL PROBLEMS
A course in applied ethics which provides a philosophic discussion of the most salient ethical problems of the day. Typically the course will cover such topics as abortion, animal rights, euthanasia, capital punishment and suicide.
PHI/PSC 365. ANCIENT AND MEDIEVAL POLITICAL THOUGHT
See PSC 366 for course description.

PHI/PSC 366. MODERN POLITICAL THOUGHT
See PSC 366 for course description.

PHI/ORS 370. WORLD RELIGIONS
The teachings concerning people and their relation to God and the world found in the major world religions. Judaism, Christianity, Islam, Hinduism, Confucianism, Jainism and Buddhism are among the religions studied.

PHI/ORS 375. AMERICAN PHILOSOPHY
A survey of the work of the most important American philosophers, including William James, John Dewey and B. F. Skinner.

PHI 380. EXISTENTIALISM
A study of the existentialist movement in philosophy from its origins to the present, showing how and why the movement began, what its authors advocate, and how it has been assessed by contemporary critics. Readings will include selections from Jaspers, Heidegger, Sartre, Marcel and others.

PHI 399. SELECTED TOPICS IN PHILOSOPHY

PHI 450. GREAT THINKERS OF THE WEST I: SOCRATES THROUGH ST. AUGUSTINE
The main ideas of Socrates, Plato, Aristotle, the Stoics, the Epicureans, Plotinus and St. Augustine and a consideration of how those ideas apply to our lives. Prerequisite: ENG 152 or sophomore standing recommended.

PHI 451. GREAT THINKERS OF THE WEST II: DESCARTES THROUGH KANT
The main ideas held by philosophers in the seventeenth and eighteenth centuries, tracing many of the positions that lead us to think as we do today. Thinkers included are Bacon, Hobbes, Descartes, Spinoza, Leibniz, Locke, Berkeley, Hume, Kant, Galileo, Kepler and Newton. Prerequisite: ENG 152 or sophomore standing recommended.

PHI 458. PHILOSOPHERS OF THE NINETEENTH CENTURY: THE ROMANTIC REVOLT
A survey of the main philosophers of the nineteenth century emphasizing their specific contributions to the history of ideas, including Hegel, Marx, Schopenhauer, Kierkegaard and Nietzsche. Prerequisite: ENG 152 or sophomore standing recommended.

PHI 478. CONTEMPORARY PHILOSOPHY
A survey of the main philosophical movements of the twentieth century primarily in the English-speaking world. The course will stress the importance of language in thinking about some of the traditional problems of philosophy, such as what can be known and what exists. Readings will include selections from Russell, Wittgenstein, Moore and others. Prerequisite: ENG 152 or sophomore standing recommended.

PHI/ORS 553. PHILOSOPHY OF RELIGION
An in-depth examination of religious teachings and basic philosophical problems associated with them. Topics considered will include creation, salvation, life after death, the origin of evil, religious experience and God.

PHI/ORS 562. HISTORY AND SYSTEMS OF PSYCHOLOGY
See PSY 562 for course description.

PHI 599. SELECTED TOPICS IN PHILOSOPHY

PHYSICAL SCIENCE
Courses in physical science are offered by the Department of Physics.

PHS 151. PRINCIPLES OF THE PHYSICAL UNIVERSE
An elementary course dealing with selected topics in physics as an aid to understanding our modern age. Four one-hour lectures and two laboratory hours per week. No credit allowed if taken after any other college physics course. May not be taken by students enrolled in developmental studies mathematics.

PHS 152. GENERAL ASTRONOMY
A study of the motions and constitution of the solar system, stars and other celestial bodies. Theories of evolution of celestial bodies and the universe are considered in addition to the instrumentation used by astronomers.

PHS 575. HISTORY OF PHYSICAL SCIENCE
A study of the development of man's knowledge of the physical universe, primarily in the fields of chemistry, physics and astronomy. Emphasis is placed on the development of ideas, men who made major contributions and philosophical implications of man's knowledge of the universe. Prerequisites: one year of chemistry and one year of physics or consent of instructor.

PHS 599. SELECTED TOPICS IN PHYSICAL SCIENCE

PHYSICS
Courses in physics are offered by the Department of Physics.
A. Woodrum, Chair
PHY 251. INTERMEDIATE MODERN PHYSICS
A presentation of modern physics at an intermediate level. This course complements the instruction in General College Physics where the coverage of modern physics is minimal. It will follow the historical development of modern physics. Early models of the atom, atomic radiations, and interaction of electrons with matter will be followed by a study of the nucleus. Four lectures and two laboratory hours per week. Prerequisite: General College Physics (PHY 251-252-253 or PHY 261-262-263).
PHY 452, 453. ELECTRONICS
A two-quarter course in intermediate electronics with emphasis on circuitry. Topics included are power supplies, amplifiers, oscillators, pulse and wave shaping circuits and comparison measurements. Three lectures and six laboratory hours per week. Prerequisites: PHY 253 or PHY 263, and MAT 167.
PHY 456. STUDIES IN PHYSICS FOR SECONDARY TEACHERS
A course designed to acquaint the student with some of the problems encountered in high school physics presentations. PSSC and Harvard projects are studied. Three lectures and four laboratory hours per week. Prerequisites: PHY 251-252-253 or PHY 261-262-263.
PHY 457. METEOROLOGY AND WEATHER FORECASTING
Emphasis will be placed on weather observation, applicable thermodynamics relationships, meteorological controls and techniques and problems of weather forecasting. Discussion and application for the latest meteorological concepts resulting from satellite use and International Geophysical Year Investigations will be included. Prerequisite: General College Physics (PHY 251-252-253 or PHY 261-262-263).
PHY 458. PHYSICAL ASTRONOMY
The physical nature of the solar system, stars, and galaxies will be studied in detail. Principles of physics will be used and illustrated, especially in the areas of mechanics, thermodynamics, physical optics and spectral analysis. Laboratory work will include instrumentation of the astronomer, telescopic observations (weather permitting) and experience in such areas as stellar spectral analysis, interferometry and velocity determination by Doppler shift. Prerequisite: PHY 251-252-253 or 261-262-263.
PHY 459. SOUND WAVES AND ACOUSTICS
A study of the production, transformation, reflection, absorption, and general effects of
vibration and sound. Four lectures and two laboratory hours per week. Prerequisites: PHY 252 or 262, and MAT 167.

PHY 461. OPTICS
An intermediate course stressing theoretical and experimental work on refraction, reflection, interference, diffraction and polarization of light. Prerequisites: PHY 252 or 262 and MAT 167. Four hours lecture and three hours laboratory.

PHY 468. APPLIED MATHEMATICS (See Mathematics 468)
Theory and application of mathematical methods such as power series, Laplace Transforms, vector calculus, Fourier series and partial differential equations. The Departments of Mathematics and Physics will teach the course alternately once per year. Prerequisite: MAT 350.

PHY 553. HEAT AND THERMODYNAMICS
An intermediate course which includes temperature and its measurement, specific heat, thermal expansion, transfer of heat, states of matter and elementary thermodynamics. Four lectures and three laboratory hours per week. Prerequisites: PHY 252 or 262 and MAT 167.

PHY 556. SPECIAL THEORY OF RELATIVITY
An introduction to the special theory of relativity with emphasis on relativistic mechanics. The Michelson-Moreley experiment, Lorentz-Einstein transformations, time dilations, Doppler Effect, scattering theory and spaces with four dimensions are representative of topics included. Five lectures per week. Prerequisite: MAT 264. PHY 451-651 is desirable.

PHY 567. INTRODUCTION TO QUANTUM MECHANICS
A study of the basic postulates of quantum mechanics with solutions to Schrodinger's wave equation for simple applications; the techniques of calculating position, energy and momentum with operators; and the elements of perturbation theory with application to atomic spectra. Five lectures per week. Prerequisite: MAT 350. PHY 451 and 468 are desirable.

PHY 569. SOLID STATE PHYSICS
This course includes the elastic, magnetic and thermal properties of solids. Sample topics covered are crystal structure, X-ray diffraction, color centers, thermal and electrical conduction, spin resonance, photoelectric effect, superconductivity and general theory of solid state electronic devices. Five lecture/demonstrations per week. Prerequisites: General College Physics and MAT 168.

PHY 561, 562, 563. FUNDAMENTALS OF CLASSICAL PHYSICS
A three-quarter sequence designed to provide physics majors and students of applied mathematics and engineering with the fundamentals of analytical mechanics and electromagnetism. Five lecture periods per week. Prerequisites: sophomore-level physics and MAT 350; PHY 468 is desirable.

PHY 571. INTRODUCTION TO BIOPHYSICS
The physics of living organisms. Emphasis on physical support, movement, sensory perception and the physical properties of plant and animal processes at the molecular and organismic levels of organization. Prerequisites: BIO 151-152 and PHY 251-252-253 or consent of instructor. Recommended 10 hours of chemistry.

PHY 590. DIRECTED STUDY IN PHYSICS
Independent study and laboratory work under faculty supervision. Topics of special need and interest to physics teachers and physics majors will be covered. Prerequisite: consent of instructor.

PHY 599. SELECTED TOPICS IN PHYSICS

POLITICAL SCIENCE
Courses in political science are offered by the Department of Political Science.

L. Van Tassell, Chair
Professors: G. Cox, J. Daily, Z. Hashmi, J. Mann (Emerita), R. Pajari, D. Speak (on leave), L. Van Tassell
Temporary Professor: S. Hashmi
Associate Professors: R. Dick (Emeritus), G. Harrison, M. Reese
Assistant Professors: F. Ferguson, C. Gossett, S. Jallow, D. Moskowitz, C. Slaton, L. Taylor (on leave), E. Ugorji
Temporary Assistant Professors: L. Kelly, S. Ratan, D. Sabilia
Part-time Assistant Professors: M. Classens, G. Wood (joint appointment with Augusta College), F. Willis
Temporary Instructor: K. Cook
Part-time Instructors: K. Millkin, S. Moskowitz

PSC 250. AMERICAN GOVERNMENT
A study of the American government process with emphasis upon current problems and their roots in the past.

PSC 251. THE AMERICAN LEGAL SYSTEM
A study of the American legal system depicted as a subsystem of the American political system. Interrelationships between legal and political institutions will be developed and the Ameri-
can system of justice examined from this perspective. Open only to students in the Associate Degree in Justice Studies. Credit will not be given for this course and Political Science 355. PSC 260. INTRODUCTION TO POLITICAL SCIENCE
Introduction to the history, scope and methods of the discipline of political science. Required of all majors and minors in political science.
Note: Prerequisite to all Political Science courses numbered 300 and above, unless otherwise noted, is PSC 250. All majors and minors must also complete PSC 260.
PSC 350. STATE AND LOCAL GOVERNMENT
The forms of organization, the functions and the operations of the 50 state governments. Special attention will be given to the growing problems in the urban areas such as the interplay of politics, pressure groups and community power structures.
PSC 351. PUBLIC OPINION AND POLITICAL BEHAVIOR
A review of the role of political parties, interest groups, political socialization, public opinion and election in the American system.
PSC 352. POLITICAL PARTIES AND ELECTIONS
This course focuses on the institutions that connect individual voters to governmental structures. Specific attention is given to the evolution and function of the political party system and to the structure of the electoral process (at and below the presidential level).
PSC 353. PRESIDENCY
An analysis of the political, constitutional, behavioral, administrative, symbolic and policy roles of the President. Attention is also paid to the linkages between the Presidency and the other major branches of government.
PSC 354. CONGRESS AND PUBLIC POLICY
A study of the structures and processes at work in Congress and their influence on the content of national policy. Attention is also given to the connection between Congress and the other major branches of government.
PSC 355. THE JUDICIAL PROCESS
An introduction to the judicial process which analyzes and evaluates the main institutions and considerations affecting the administration of justice under law. Cannot be taken for credit if student has already taken PSC 251.
PSC/AS/AAS 356. AFRICAN AMERICAN POLITICS
Course develops a basic appreciation of the nature, processes, structures, and functions of African American politics in the domestic and international arena and how they differ from dominant assumptions, theories, approaches, and models in American politics. Focus on how to seek and maintain empowerment.
PSC 357. PUBLIC ADMINISTRATION
An introduction to the study of the administrative process in American government with special attention focused upon the points between political branches and administrative agencies.
PSC 358. CONSTITUTIONAL LAW I (GOVERNMENTAL POWERS)
A study of the constitutional development of the national government through landmark Supreme Court decisions. Topics include: judicial power, federalism, interstate commerce and equal protection.
PSC 359. CONSTITUTIONAL LAW II (CIVIL LIBERTIES)
The study of the Bill of Rights through landmark Supreme Court decisions. Topics include: freedom of speech, press and religion; search and seizure; and right to counsel.
PSC/CAF 360. FILM AND POLITICS
Consideration of how the art of film has contributed to an understanding of major twentieth-century political events, processes, and thoughts. Topics addressed include war, revolution, racism, nationalistic militarism, presidential politics and campaigning, propaganda, mass media and politics, populism, and the ethos of democracy. Prerequisite: PSC 250 or consent of instructor.
PSC 363. SCOPE AND METHODS IN POLITICAL SCIENCE
An introduction to the major theoretical models currently used in political science and to the major research techniques and methodologies. Students will have direct experience in data gathering, statistical analysis, data processing and research reporting. Prerequisites: STA 255 and STA 256 or consent of instructor.
PSC/PHI 365. ANCIENT AND MEDIEVAL POLITICAL THOUGHT
An introduction to political theory using original texts drawn from the ancient and medieval period of Western and Non-Western Traditions. An exploration of important political concepts (e.g., citizenship, obligation, authority).
PSC/PHI 366. MODERN POLITICAL THOUGHT
An introduction to political theory using original texts drawn from the modern period. An exploration of the founding of modern ideological
traditions (e.g. conservatism, liberalism, Marxism).

PSC 367. RECENT AND CONTEMPORARY POLITICAL THOUGHT
An introduction to political theory using original twentieth century texts. An exploration of important political concepts (e.g. class, democracy, authority).

PSC/AS 368. AMERICAN POLITICAL THOUGHT
Major contributions of American political thinkers and the relationship of these ideas to the institutional framework and socio-political forces in the United States. The course will explore the nature of some enduring questions and concepts which have influenced the origin and development of competing American ideologies or philosophies.

PSC/CAB 369. POLITICS AND THE MEDIA
An examination of the role of mass media in the political process and the effects of the media on political attitudes and behavior. Prerequisite: PSC 250.

PSC/AS 371. NATIVE AMERICAN LAW AND PUBLIC POLICY
A study of the legal and political status of native American peoples and tribal governments. Topics include political and legal jurisdictional relationships among federal, tribal and state governments; the Indian Civil Rights Act; tribal hunting, fishing and water rights; and tribal economic development.

PSC/WGS 372. WOMEN AND POLITICS
Focuses on the relationship of women to the practice of politics and to political theory-building. The student will be introduced to political behavior, political socialization and selected public policy issues by using a comparative cross-national approach as they pertain to women as a political group.

PSC 373. COMPARATIVE POLITICS: THEORY AND APPLICATION
This course is designed to acquaint students with certain key concepts and methods of the comparative perspective. A comparative framework will be applied cross-nationally through the study of political institutions and of political behavior in Great Britain, France, Germany, Russia, China, and Japan.

PSC 374. COMPARATIVE POLITICS: MODERNIZATION AND DEVELOPMENT OF NEW NATIONS
This course will examine various analytical and comparative approaches to the nature of political change and stability in the Third World. It will focus on the political, economic and social factors conditioning the organization, administration and development of emergent nations.

PSC/IAS 378. LATIN AMERICAN POLITICS
An examination of the major domestic and international actors in comparative Latin American political systems. Special attention and detail is given to the political systems of Chile, Brazil, Colombia, Mexico and Cuba.

PSC/AAS 379. AFRICAN POLITICS
Salient themes and background information on contemporary African political systems. The emphasis will be on government and politics of modern Africa bearing on the emergence of post-colonial states and their regional and global ramifications.

PSC/AS 380. INTRODUCTION TO INTERNATIONAL POLITICS
Provides basic information and the necessary conceptual tools to allow an understanding of the nature of international politics, the instruments of foreign policy, and the interaction of "great powers" in the modern nation-state system.

PSC 381. THE UNITED STATES AND MAJOR PROBLEM AREAS: GEOGRAPHICAL AND FUNCTIONAL
A study of specific problems of major concern for United States foreign policy in the late and mid-twentieth century. This problem approach permits an intensive study of the world's chief centers of power and civilization such as Western Europe, Russia, China, Southeast Asia, the Middle East and Latin America.

PSC 384. POLICIES OF THE MIDDLE EAST
A study of comparative foreign policy of the states in the Middle East and the political and economic forces that shape the United States, Soviet and Chinese policies in this region.

PSC 390. READING FOR HONORS IN POLITICAL SCIENCE
PSC 399. SELECTED TOPICS IN POLITICAL SCIENCE
PSC 450. SEMINAR IN AMERICAN POLITICS AND POLICY
For students with several 300-level courses in American politics. This course focuses on major themes and issues in American policy.

PSC 460. SEMINAR IN POLITICAL THEORY
An advanced course for majors focusing on selected theoretical topics.

PSC 470. SEMINAR IN COMPARATIVE POLITICS
A systematic review of the empirical and theoretical literature concerning the structure, func-
tions, and problems of contemporary government. Prior course in American Government or Comparative Politics is recommended.
PSC 480. SEMINAR IN INTERNATIONAL RELATIONS
Designed to familiarize students with the works of leading theorists of international relations.
PSC 481. INTERNATIONAL ORGANIZATIONS
An analytical study of the organization, powers, and problems of global and regional international agencies with particular emphasis upon the European Economic Community.
PSC 482. INTERNATIONAL LAW AND DIPLOMACY
This course will expose the advanced student to three important and interrelated areas of international relations: 1. the basic theories of international law; 2. a survey of the history and basic techniques of diplomacy; 3. the application of law and diplomacy as evidenced by current practices in the United Nations.
PSC 490. PROBLEMS IN POLITICAL SCIENCE
A service offered to senior majors. One to five hours.
PSC 491, 492, 493. INTERNSHIP I, II, III
Designed to give practical experience in a governmental agency to qualified students. Internship credit must be earned in addition to the 40 hours of senior offerings required for the major in political science. No more than 5 quarter hours can be applied toward a minor in political science. Each internship course will afford 5 quarter hours credit with a maximum of 15 hours credit possible. Prerequisite: permission of the department chair.
PSC 599. SELECTED TOPICS IN POLITICAL SCIENCE

PSYCHOLOGY
Courses in psychology are offered by the Department of Psychology.
M. Lloyd, Chair
Associate Professors: J. Kennedy, D. Webster
Assistant Professors: R. Dewey, W. McIntosh, J. Stelm
Temporary Assistant Professors: B. Bell, E. Enekwechi, J.-W. Jou, M. Womack
Temporary Instructors: D. Marshall, C. Sinia
Part-Time Assistant Professor: C. Cone-Dekle
Part-Time Instructor: C. E. Kennedy

PSY 150. INTRODUCTION TO PSYCHOLOGY
This course provides a survey of the basic sub-fields in psychology, emphasizing major principles and vocabulary in order to prepare the student for advanced courses. The student is encouraged to apply the principles to the understanding of human behavior in everyday life. Prerequisite for all upper-division psychology courses.

PSY 210. CAREERS IN PSYCHOLOGY
Reviews relevant research and theories of college student development; familiarizes students with career options in psychology at bachelor's, master's, and doctoral level; helps students clarify personal interests and career goals; and prepares them for job searching or admission to graduate school. Required of all psychology majors; course should be taken in sophomore year. Prerequisite: PSY 150.

PSY 280. PSYCHOLOGICAL STATISTICS I
An introduction to descriptive statistics for applications in psychology. Topics covered include frequency distributions, graphical presentations of data, measures of central tendency and dispersion, bivariate correlation and regression. Microcomputers are used for computational exercises. Required of all majors beginning fall, 1992. Prerequisite: PSY 150.

PSY 284. MICROCOMPUTER APPLICATIONS IN PSYCHOLOGY
This course acquaints the students with the ways microcomputers are used in the study and practice of psychology. The basic information necessary to the effective use of microcomputers is taught. Applications of word processing, spreadsheets, graphics and data base management are presented through laboratory and out-of-class assignments. In addition, the use of microcomputers for simulation of psychological processes, conducting laboratory research and testing are presented. Laboratory. Psychology majors only. Prerequisite: PSY 150.

PSY 350. PSYCHOLOGY OF ADJUSTMENT
The study of factors that promote psychological adjustment, with emphasis on self-help techniques. Topics include stress, self-concept, interpersonal relationships, love, sexuality, psychopathology and psychotherapy. Prerequisite: PSY 150.

PSY/RS 357. PSYCHOLOGY OF RELIGION
An introduction to the literature of the psychology of religion. Topics include the origins and functions of religiousness, types of religious experiences, religious motivations, altruism and
the relationship between religion and mental health. Emphasis will be placed on empirical studies. Prerequisite: PSY 150.

PSY/WGS 358. PSYCHOLOGY OF WOMEN
Studies female psychological development throughout the life-span. Examines relevant theory and research. Topics include identity and self-concept, relationships and power, sexuality, parenting, work, mental health and women of color. Prerequisite: PSY 150.

PSY 362. APPLIED PSYCHOLOGY
A broad introductory survey of the many and varied fields in which the principles of psychology have been applied. This course is designed to acquaint the student with the role and function of psychologists in such applied settings as hospitals, college placement centers, community mental health centers, drug abuse clinics, industry and business and similar employment situations. Prerequisite: PSY 150.

PSY 365. CHILD PSYCHOLOGY
The study of psychological theories, research, and application of psychology, as it relates to the social and cognitive development of the child from conception through adolescence. Prerequisite: PSY 150.

PSY 367. INDUSTRIAL/ORGANIZATIONAL PSYCHOLOGY
An introduction to the research and methodology used by psychologists in the study of human behavior in industrial organizations, including the specific application of psychological principles to such areas as personnel testing and selection, human factors, motivation and performance and psychological problems associated with work adjustment. Psychological factors involving inter-personal relations which influence morale, production and job satisfaction are examined. Prerequisite: PSY 150.

PSY 369. PSYCHOLOGY OF ADOLESCENCE
Examines relevant theories and research on physical, cognitive, emotional and social development in adolescence. Attention is given to identity, parent-adolescent relationships, peer interactions, sexuality, psychopathology, drug use and abuse and delinquency. Prerequisite: PSY 150. This course will not satisfy the requirements in adolescent psychology or educational psychology for teacher certification.

PSY 371. ABNORMAL PSYCHOLOGY
An introductory presentation of the concepts of "normal" and "abnormal" behavior, the traditional categories of psychopathology, and the etiology of psychological disorders. Traditional and contemporary approaches to treatment and prevention are examined. Prerequisite: PSY 150.

PSY 372. BEHAVIOR MODIFICATION
A broad introductory survey of the application of learning principles and procedures used in the establishment, maintenance and modification of complex human behavior in clinical situations as well as the natural environment. Topics include contingency management, token economies, modeling, imitation, desensitization, cognitive behavior therapy and assertiveness training. Particular attention is given to ethical issues associated with the use of behavior modification techniques. Prerequisite: PSY 150.

PSY 373. PSYCHOLOGY OF SUBSTANCE ABUSE
An intensive and critical analysis of the normative and deviant use of various substances. Emphasis is placed on the psychological correlates of substance use and abuse. Topics include physiological addiction and/or psychological dependency on such substances as marijuana, nicotine, alcohol and the so-called "hard drugs." Prerequisite: PSY 150.

PSY 374. SOCIAL PSYCHOLOGY
Studies the social determinants of human behavior and surveys current theories and findings in such major content areas as attitudes, attitude change, prejudice, gender roles, conformity, obedience, interpersonal attraction, pro-social behavior, aggression, social and person perception and group influences on individual behavior. Prerequisite: PSY 150.

PSY 375. LIFE-SPAN DEVELOPMENTAL PSYCHOLOGY
Comprehensive overview of normal human development from conception through old age. The roles that genetics and experience play in social and cognitive development are emphasized. Prerequisite: PSY 150.

PSY 376. PERSONALITY PSYCHOLOGY
An introduction to major areas in the field of personality: approaches to personality theory, methods of assessing personality, personality development and research findings on selected aspects of personality. Prerequisite: PSY 150.

PSY 377. PSYCHOLOGY OF HUMAN SEXUALITY
This course provides an overview of the psychological and physiological factors in human sexual and reproductive behavior, including the psychology of sexual motivation and functioning, anatomy and physiology of the reproductive systems, prenatal development, contraceptive techniques and psychological aspects of sexual disorders. Prerequisite: PSY 150.
PSY 378. PSYCHOLOGICAL TESTS AND MEASUREMENTS
An introduction to basic measurement concepts used in the constructing and standardizing of psychological tests and an examination of tests of intelligence, personality, attitudes, and special abilities. Particular attention is given to the development of an understanding of the functional relationship between measurement and evaluation. Standardized psychological instruments are critically analyzed in terms of the Technical Recommendations for Psychological Tests and Techniques of the American Psychological Association. Ethical issues in psychological testing are considered. Prerequisite: PSY 150.

PSY 380. PSYCHOLOGICAL STATISTICS II
An introduction to inferential statistics for applications in Psychology. Topics covered include probability, sampling distributions and the logic of statistical inference, t-tests, analysis of variance, correlation, multiple regression, and nonparametric statistics. Microcomputers are used for most computational exercises. Required for all majors beginning fall, 1992. Prerequisite: PSY 150 and a grade of "C" or better in PSY 280.

PSY 381. PSYCHOLOGICAL STATISTICS
An introductory course designed to acquaint the student with the use of descriptive and inferential statistics in psychological research. Emphasis is placed on selecting appropriate procedures and interpreting results. Microcomputers are used for the computational exercises. Required of all majors entering prior to fall 1992. Prerequisite: PSY 150.

PSY 382. RESEARCH METHODS IN PSYCHOLOGY
A laboratory course that provides the student with an understanding of fundamental principles underlying research methods in psychology. The student is acquainted with basic experimental procedures through classroom and laboratory instruction involving both class and individual research projects. Required of all majors. Prerequisites: PSY 150 and a grade of "C" or better in PSY 280 and PSY 380 (or PSY 381).

PSY 391. RESEARCH EXPERIENCE
Student works with a faculty member engaged in research in progress. Experience obtained varies depending on nature of project and stage at which student joins project. Variable credit: either 2 or 3 hours per quarter (3-hour experience per 1 hour of credit); maximum of 10 hours may be credited toward major. Prerequisite: PSY 150; permission of instructor.

PSY 399. SELECTED TOPICS IN PSYCHOLOGY
This course is scheduled on an irregular basis to explore special areas in psychology and will carry a subtitle. Check in the Psychology office to learn of topics currently planned. Prerequisite: PSY 150.

PSY 452. COGNITIVE PSYCHOLOGY
Surveys current theories and research concerning human information processing. Includes such topics as perception, language comprehension, motor coordination and problem solving. Prerequisite: PSY 150.

PSY 453. MOTIVATION AND EMOTION
The study of motivation and emotion, dealing with such topics as methods of measurement, physiological mechanisms, theories of motivation and emotion, arousal and stress and the effects of learning. In-depth analysis of human sexual motivation, competence and aggression. Prerequisite: PSY 150.

PSY 454. SENSATION AND PERCEPTION
Presents the fundamental data, basic processes, and research methodologies in the study of the various human senses. Examines perceptual processes of vision such as the perception of color, depth, form and shape, as well as constancies, illusions, and individual differences in perception. Prerequisite: PSY 150.

PSY 455. PRINCIPLES OF ANIMAL LEARNING
An introduction to the basic principles of animal learning and the scientific study of learning in nonhumans. Limited laboratory experience will introduce the student to equipment used in animal learning research as well as provide experience with laboratory animals. Prerequisite: PSY 150.

PSY 456. ANIMAL BEHAVIOR
A survey of the study of animal behavior, dealing with such topics as the diversity of behavior, the development of behavior and ecology. Attention is given to the adaptiveness of behavior and evolutionary approach to human behavior. Prerequisite: PSY 150.

PSY 457. PHYSIOLOGICAL PSYCHOLOGY
In-depth analysis of the anatomy and physiology of the nervous system; examination of the functional relationship between the nervous system and behavior. Surveys contemporary biological contributions to general psychological theories. Emphasis is placed on studies of the biological basis of memory, learning and emotions. Prerequisite: PSY 150.
PSY 471. PSYCHOPATHOLOGY OF CHILDHOOD
An examination of the psychological and biological factors associated with behavioral dysfunctions of childhood and adolescence such as autism, childhood schizophrenia, anxiety, depression and psychosomatic problems. Various types of child psychotherapy are presented including individual group and family therapies. Prerequisites: PSY 150 and either 365, 371, or 375 or permission of instructor.

PSY 473. HEALTH PSYCHOLOGY
A survey of the role and function of the discipline of psychology in the field of behavioral medicine and health psychology. Included will be consideration of the psychological factors associated with such disabilities as paraplegia and epilepsy; the psychological trauma associated with body altering surgeries; and the psychological components of life-style decisions involving smoking, alcoholism, obesity and cardiovascular dysfunctions. Attention is given to the application of psychological principles in the treatment and prevention of health-related problems. Prerequisite: PSY 150.

PSY 475. PSYCHOLOGY OF AGING
Examines developmental psychological processes in later adulthood, including changes with age in perception, intelligence, learning, memory and personality. Attention is given to prevention and treatment of psychological dysfunction in the aged. Prerequisite: PSY 150.

PSY 476. THEORIES OF PERSONALITY
An in-depth exploration of major theories of personality. Examines representative theories of the psychodynamic, trait, behavioralistic and humanistic perspectives. Prerequisites: PSY 150.

PSY 491. FIELD EXPERIENCE
Opportunity to gain practical experience through volunteer field work in applied settings in mental health, business, or education with which department has formal agreements. Student supervised on site and by Instructor; weekly conferences with instructor. Arrangements with instructor should be completed in quarter prior to registration. Variable credit: minimum 5, maximum 10 credit hours per quarter (15 hours experience per week per 5 hours of credit); maximum of 10 credits counted toward major. Prerequisites: Psychology major with junior or senior standing, at least 15 hours of upper-level psychology courses, minimum 2.5 grade-point average; permission of Instructor.

PSY 492. DIRECTED RESEARCH
An introduction at the undergraduate level to student-conducted research. Under the sponsorship of his/her advisor, the student participates in all phases of a research project, including planning, execution, data analysis and report writing. Prerequisite: PSY 150; junior or senior standing in psychology; permission of instructor.

PSY 493. DIRECTED STUDY IN PSYCHOLOGY
Substantive reading in an area of special interest directed by a faculty member. Review paper required. Maximum of 10 hours may be credited toward major. Prerequisite: junior or senior standing in psychology; permission of instructor.

PSY 562. ADVANCED COGNITIVE PSYCHOLOGY
A laboratory course that presents some of the topics of Psychology 452 (Cognitive Psychology) in a more research-oriented approach. Students learn methodological and ethical principles in this area through classroom lecture and discussion, laboratory exercises, and individual research projects on such topics as human learning and memory, attention, language, and problem solving. Prerequisites: PSY 150, either PSY 381 or PSY 280 and PSY 380, PSY 382, and PSY 482.

PSY 563. ADVANCED ANIMAL LEARNING AND COGNITION
A study of the fundamental principles of conditioning and learning including experimental techniques and the analysis and generalizations of scientific findings. Students examine the theoretical basis for behavior change, and the principles of learning that underlie such an approach. A laboratory component provides directed and systematic exposure to an application of conditioning principles. Prerequisites: PSY 150, either PSY 381 or PSY 280 and PSY 380, PSY 382, and PSY 485.

PSY 565. EXPERIMENTAL DEVELOPMENTAL PSYCHOLOGY
Laboratory course that provides the advanced psychology student with an understanding of methodological and ethical issues underlying research in developmental psychology, provides exposure to important research areas within the field and fosters skills for critically
evaluating research. Prerequisites: PSY 150, 280 and 380 (or PSY 381), 382 and either 365, 375 or 475 or consent of instructor.

PSY 556. EXPERIMENTAL SOCIAL PSYCHOLOGY
A laboratory course that provides an in-depth examination of selected content areas treated in Psychology 374. Methodological and ethical issues in research will be emphasized. Prerequisites: PSY 150, 381, 382 and 374 or consent of instructor.

PSY/PHI 562. HISTORY AND SYSTEMS OF PSYCHOLOGY
The study of the development of experimental and clinical psychology, including major contemporary theories. While part of the course emphasizes the historical roots of psychological concepts, there is also emphasis on understanding contemporary viewpoints in the various areas of psychology. Required of all majors. Prerequisite: PSY 150. PSY 571. BEHAVIORAL PATHOLOGY:

ADULTS
An examination of the psychological, ecological, and biological factors associated with psychological dysfunctioning in adults; feeling, thinking, and behavioral aspects of neuroses, psychoses and personality problems of adulthood are considered. Systems and models of intervention strategies with adults are reviewed. Prerequisite: PSY 150. PSY 575. PSYCHOLOGY OF DEVELOPMENTAL DISABILITIES
An examination of the psychological and behavioral characteristics of the developmentally disabled. Special consideration is given to the various categories of developmentally disabled persons and to their psychological requirements and adjustment needs in the home, community and institutional settings. Prerequisite: PSY 150.

PSY 583. SENIOR SEMINAR
A review and integration of major ideas in psychology. Examination of opposing viewpoints on current controversial psychological issues. Psychology majors only. Prerequisites: PSY 150; senior standing.

PSY 585. HONORS SEMINAR
Intensive reading and discussion of primary sources in psychology. Open by invitation to junior and senior majors and minors with high academic standing. Prerequisites: PSY 150 and permission of instructor.

PSY 599. SELECTED TOPICS IN PSYCHOLOGY

RELIGIOUS STUDIES
Religious Studies is an interdisciplinary field including courses offered by several departments. G. Shriver, Chair

RS 450. SEMINAR IN RELIGIOUS STUDIES
An interdisciplinary exploration of topics in Religious Studies. The seminar, at times employing the team-teaching method, will encourage students to pursue specific problems encountered in their minor curriculum and to relate their major and minor disciplines. Students must complete fifteen hours of electives in Religious Studies before enrolling in this course.

RS/ENG 559. THE BIBLE AS LITERATURE
See ENG 559 for course description.

RS/HIS 381. INTRODUCTION TO THE HISTORY OF RELIGION IN THE UNITED STATES
See HIS 381 for course description.

See HIS 451 for course description.

RS/HIS 467. MAJOR THEMES IN WESTERN RELIGIOUS HISTORY
See HIS 467 for course description.

RS/PHI 352. GREAT MORAL PHILOSOPHERS
See PHI 352 for course description.

RS/PHI 370. WORLD RELIGIONS
See PHI 370 for course description.

RS/PHI 553. PHILOSOPHY OF RELIGION
See PHI 553 for course description.

RS/PSY 357. PSYCHOLOGY OF RELIGION
See PSY 357 for course description.

RS/SOC 455. SOCIOLOGY OF RELIGION
See SOC 455 for course description.

SOCIOLOGY
Courses in sociology are offered by the Department of Sociology and Anthropology.

R. Branch, Chair

Professors: C. Black, R. Branch, R. Greenfield (Emeritus), H. Mobley (Emeritus)

Associate Professors: H. Kaplan, T. Scott (Emeritus), B. Wejnert (on leave)

Assistant Professors: J. Crutchfield, D. Hill, G. Pratt, J. Strickland

Temporary Assistant Professor: C. Edwards

Adjunct Associate Professor: D. Gantt
SOC 150. INTRODUCTION TO SOCIOLOGY
Introduces discipline of sociology and the sociological perspective as a tool for understanding one's culture. Content includes socialization (process of becoming social beings); effects of social class, ethnic group, sex, age, family on ways people act, feel and think; patterns of conflict (interpersonal, intergroup, international) in social life; underlying causes of social change and social problems.
SOC 270. INTRODUCTION TO SOCIAL WELFARE
Introduces the history of the values, ideas, events and developments that have led to the current social welfare arrangements in western society - the welfare state.
SOC/AS 350. SOCIAL PROBLEMS
An analysis of American social problems using the sociological perspective. Problems in the areas of deviance, social inequality, social change and American institutions are covered. Prerequisite: SOC 150 or permission of instructor.
SOC 351. MARRIAGE
An in-depth analysis of the American dating and marriage system.
SOC/AS 352. URBAN SOCIOLOGY
The study of the origin of cities and the impact of modern urban life on the social, psychological, ecological and economic components of human societies. Prerequisite: SOC 150 or permission of the instructor.
SOC/JS 354. GANGS, DRUGS, AND CRIMINAL JUSTICE
Students will explore the links between gangs and the drug culture and will trace the development of gangs in U.S. society, examining how the Criminal Justice system might respond. Prerequisites: JS 251 or consent of instructor.
SOC/WGS 355. SOCIOLOGY OF SEX ROLES
An exploration of those aspects of human behavior which society views as influenced by membership in one or the other sex. A sociological analysis of the definition, development and change of sex roles within the various institutions of our society.
SOC 356. SELF AND SOCIETY
Explores the relationship between the individual and the social milieu using the symbolic interactionist perspective. Surveys of the classic sociological expositions on the origins of the self and how it is shaped by society. Analyzes current research on processes of norm formation, identity management, socialization, interpersonal influence and role behavior. Prerequisites: SOC 150 or permission of instructor.
SOC 357. CRIMINOLOGY
The principles of criminology and penology with emphasis on historical and contemporary theory and practice. Prerequisite: SOC 150.
SOC 358. JUVENILE DELINQUENCY
A study of the biological, psychological, and sociological forces producing deviant behavior in children; a study of the causes and treatment of juvenile delinquency. Prerequisite: SOC 150 or permission of the instructor.
SOC/AS/AAS 359. RACE AND ETHNIC RELATIONS
A survey of race and ethnic relations in world perspective, with special emphasis on the American South. Prerequisite: SOC 150 or ANT 150.
SOC 360. DEVIAN T BEHAVIOR
A study of the behavior that varies from cultural and social means.
SOC 365. SOCIOLOGY OF DEATH AND DYING
An examination of the socio-cultural issues surrounding death and the process of dying in society. A sociological analysis is presented of the definitions, meanings, attitudes, forms and rituals concerning death and dying in contemporary society.
SOC 370. SOCIAL WELFARE POLICY AND SERVICES
An introduction to the programs and services of the American welfare state. The history and current structure of policy and services are covered. Prerequisite: SOC 150 or permission of instructor.
SOC 371. SOCIAL SERVICES AND AGING
This course is designed to introduce the student to (1) the wide range of public, voluntary, and private social services available to the aged population in the U.S.; and (2) the methods used by human services professionals working with older populations. Prerequisites: SOC 150 or permission of the instructor.
SOC 380. SOCIOLOGICAL THEORY
Surveys and analyses of developing sociological theories. Required of sociology majors in the B.A. and B.S. (Applied) programs. Prerequisite: SOC 150.
SOC 381. METHODS OF SOCIAL RESEARCH
A review of social research methods with emphasis on design, data collection, measurement, survey and analysis. Required of all sociology majors. Prerequisite: SOC 150.
SOC 399. SELECTED TOPICS IN SOCIOLOGY
SOC 450. POPULATION
A study of demographic methodology, and acceptable frame of reference in the scientific analysis of population as a basis for sociological insight into the phenomena of human groups. Prerequisite: SOC 150 or permission of the instructor.

SOC 452. COMMUNITY ORGANIZATION
The study of the development and organization of human communities, including the contrasts in rural and urban community life. An overview of social problems confronting contemporary communities is provided together with an analysis of community development strategies appropriate to resolving these problems. Prerequisite: SOC 150.

SOC 453. SOCIAL WORK AS A PROFESSION
An examination of social work as a helping profession with emphasis on its goals, roles, values, skills and setting. The emphasis is on preparation for practice, and simulations casting the student into the helping role are used heavily. Prerequisite: SOC 150.

SOC/RS 455. SOCIOLOGY OF RELIGION
A theoretical treatment of religious institutions with emphasis on the structure and function of religion and the relationship between the religious institution and other social institutions. Prerequisite: SOC 150 or permission of the instructor.

SOC/ANT/AS/AAS 457. THE RURAL SOUTH
A study of the lifeways and social organization of rural society with emphasis on the South. Examines social institutions, community dynamics, social change and the cultural distinctives of the region. Prerequisite: SOC 150 or ANT 150 or permission of instructor.

SOC/AAS 460. SOCIAL STRATIFICATION
Theories of social class, caste and rank; social mobility in contemporary society. Prerequisite: SOC 150.

SOC 461. PROGRAM EVALUATION
An introduction to program evaluation as applied sociology. Evaluation research concepts and methods will be related to such topics as the need for program evaluation; some issues affecting its initiation, implementation, and utilization; and what it means to view it as both process and result. Prerequisite: SOC 150.

SOC 463. AGING
A study of the impact of an aging population upon society and of the effects of the socially defined experience of aging upon the individual. Special issues such as retirement, life-style options, health, death, widowhood and creative aging are considered. Prerequisite: SOC 150 or permission of the instructor.

SOC/ANT 464. CULTURE AND PERSONALITY
The role of culture in the development and functioning of human personality. Cross-cultural analyses of current and classical work in psychological anthropology. Prerequisite: ANT 150 or SOC 150.

SOC 465. SOCIOLOGY OF EDUCATION
The scientific study of social conditions that influence education with particular focus on the organization and process of education. Prerequisite: SOC 150.

SOC 466. FIELDS OF CHILD WELFARE
Designed to acquaint the student with the current philosophy and practice within the various fields of child welfare including family income maintenance programs, child protective service, adoption, foster care, institutional care of children, services to children in their own home, unmarried parents and their children, children and the courts, guardianship and special services to children. Prerequisite: SOC 150 or permission of the instructor.

SOC 467. SOCIOLOGY OF HEALTH CARE
A study of how disease affects human groups and how human groups react to disease. An examination of health care institutions, statuses and roles, beliefs and practices including newly emerging roles. Prerequisite: SOC 150.

SOC 468. CULTURE AND PSYCHOPATHOLOGY
Examination of mental illness from a cultural and social perspective. Epidemiological evidence relating to cultural and social variation in definition, identification and treatment. The subcultures of psychosis and treatment systems. Examination of theories of the relationships between culture and psychotic syndromes. Prerequisite: PSY 364 or permission of the instructor.

SOC 470. THE SMALL GROUP
An introduction to theory and research in small group structure and process designed to increase one's ability in observing, diagnosing, and dealing with issues through small groups. Student participation in experiential exercises in which the student will be required to examine and analyze his/her own behavior and that of others is required. Prerequisite: SOC 150 or permission of the instructor.
SOC 472. COLLECTIVE BEHAVIOR
Study of social movements and such forms of collective behavior as mobs, crowds, rumors, riots and mass hysteria. Prerequisite: SOC 150 or permission of instructor.

SOC 476. ORGANIZATIONS
Study of large scale organizations, both public and corporate, as social systems with emphasis upon internal structure and dynamics, relationships with the social environment, power and decision making, influence of the informal organization and organizational change. Prerequisite: SOC 150 or permission of the instructor.

SOC 478. SOCIOLOGY OF THE FAMILY
The sociological analysis of the family as a social system from primitive to present. Prerequisite: SOC 150 or permission of the instructor.

SOC 480, 492, 493, 494. FIELD INTERNSHIP I, II, III
Designed to give practical experience in a sociologically and vocationally appropriate setting to students in the B.S. programs in sociology. Five hours credit in each segment, up to fifteen hours. Prerequisite: permission of major advisor from the Department of Sociology and Anthropology.

SOC 499. DIRECTED INDIVIDUAL RESEARCH

SOC 554. SOCIAL CHANGE
Discussion of theories and causes of change with emphasis on change as a continuing process. Prerequisite: SOC 150.

SOC 599. SELECTED TOPICS IN SOCIOLOGY

SPANISH
See FOREIGN LANGUAGES

SPEECH
See COMMUNICATION ARTS

THEATRE
See COMMUNICATION ARTS

WOMEN'S AND GENDER STUDIES
Women's and Gender Studies is an interdisciplinary field including courses offered by several departments.
C. Schille, Chair.

WGS 350. PERSPECTIVE ON WOMEN'S AND GENDER STUDIES
A multi-disciplinary course designed to introduce students to the field of women's and gender studies. Students will examine traditional and alternative perspectives on women's and men's experiences.

WGS 399. SELECTED TOPICS IN Women'S AND GENDER STUDIES

WGS 491. SPECIAL PROBLEMS IN WOMEN'S AND GENDER STUDIES
Independent study in an area of special interest directed by a faculty member. Open to juniors and seniors minoring or concentrating in Women's and Gender Studies.

WGS/CA 441. WOMEN AND MEDIA
See CA 441 for course description.

WGS/CAS 349. COMMUNICATION AND GENDER
See CAS 349 for course description.

WGS/ENG 554. LITERATURE BY WOMEN
See ENG 554 for course description.

WGS/HIS 351. WOMEN IN AMERICAN HISTORY
See HIS 351 for course description.

WGS/HIS 387. WOMEN IN MODERN EUROPEAN HISTORY
See HIS 387 for course description.

WGS/PSC 372. WOMEN AND POLITICS
See PSC 372 for course description.

WGS/PSY 358. PSYCHOLOGY OF WOMEN
See PSY 358 for course description.

WGS/SOC 355. SOCIOLOGY OF SEX ROLES
See SOC 355 for course description.
COLLEGE OF BUSINESS ADMINISTRATION

PURPOSE AND ORGANIZATION ................................................................. 190
BACHELOR OF BUSINESS ADMINISTRATION ............................................. 190
BACHELOR OF ARTS IN ECONOMICS ...................................................... 196
COURSE DESCRIPTIONS ........................................................................ 196
PURPOSE AND ORGANIZATION
As the economy of this nation grows in both size and technical complexity, so does the need for young men and women who are trained and qualified to move into positions of business leadership.

The College of Business Administration is accredited by the American Assembly of Collegiate Schools of Business, the national accrediting agency for collegiate schools of business, at both the baccalaureate level and the masters level.

The College of Business Administration of Georgia Southern University is unusually well equipped to provide its students with preparation that will enable them to obtain employment and to handle the challenges of the modern world of business. The college has a faculty composed of outstanding teachers who have exceptional educations and practical experience in both industry and government. Further the college has the facilities and equipment to match the teaching staff and a curriculum that is constantly being adapted to keep pace with an expanding industrial complex.

The college offers the Bachelor of Business Administration, the Bachelor of Science in Economics, and the Master of Business Administration.

OBJECTIVES
The objectives of the College of Business Administration are: to provide outstanding teaching to its students; to provide services to its constituents; and to provide the research to support the activities of the college.

BACHELOR OF BUSINESS ADMINISTRATION
A student enrolling in the Bachelor of Business Administration program may major in Accounting, Economics, Finance, General Business, Information Systems, Management, or Marketing. In addition, the following areas of emphasis may be chosen: Public Accounting or Managerial Accounting (major in Accounting), Agribusiness or International Business (major in Economics), Entrepreneurship/Small Business Management, Human Resources Management or Production/Operations Management (major in Management), Advertising, Fashion Merchandising, Retailing Management, Sales and Sales Management or Transportation and Logistics (major in Marketing), Banking, Risk Management and Insurance or Real Estate (major in Finance).

ACADEMIC REQUIREMENTS
(Appplies to all degrees in business)
1. All students are responsible for making certain that the catalog requirements have been met.
2. Prerequisites for taking courses in Business Area IV: ENG 151, and MAT 151 or equivalent and completion of 30 quarter hours of academic credit.
3. Students will be classified as Pre-Business majors until admitted as business majors. This will normally take place upon completion of Areas I, II, III, and Business Area IV of the core curriculum with a minimum adjusted cumulative GPA of 2.1. Business Area IV requires a minimum adjusted GPA of 2.0.
4. The specific requirements for admission and graduation are maintained in the Dean's Office, the Departmental Offices, and in the Registrar's Office.

GENERAL REQUIREMENTS
All degrees offered in the College of Business Administration require the fulfillment of the core curriculum; health and physical education; and a minimum of 75 hours in upper division business course work, which includes one of the major programs. The BBA degree requires 192 hours for graduation and will consist of the following requirements:

General Education
Requirements .................................. 90 hours
Health and Physical Education ................... 7 hours
Upper Division Required
Curriculum ...................................... 35 hours
Courses in the Major area* ......................... 35 hours
Minor or Upper Division Business Electives and Free Electives ............... 20 hours
Capstone Course - BA 450 Business
Policy ........................................... 5 hours
Total ........................................... 192 hours
*See specific requirements for Accounting.
GENERAL EDUCATION REQUIREMENTS
The General Education Core Curriculum, Areas I, II, and III are consistent with the Georgia Southern University Core Curriculum Requirements as detailed in the catalog. As preparation for junior-senior level work, students are encouraged to include in their authorized electives in Areas I, II, and III, the following courses:
Area I: CAS 251, Fundamentals of Public Speaking
Area II: MAT 155, Business Calculus & Applications
Area III: PSY 150, Introduction to Psychology or SOC 150, Introduction to Sociology.
Area IV: Area IV requirements of the core curriculum are common to all majors in the College of Business Administration.

AREA IV - 30 hours
- ACC 251, 252. Principles of Accounting I and II .......................... 10
- ECO 250, 251. Principles of Economics I and II ............................ 10
- CIS 251. Introduction to Computer Information Systems .................. 5
- MKT 255. Business Communications ..................................... 5

UPPER DIVISION REQUIRED CURRICULUM
The curricula objectives of the College of Business Administration and the American Assembly of Collegiate Schools of Business require all students of business administration to acquire a common body of knowledge concerning business. To accomplish this goal, all students seeking the Bachelor of Business Administration degree in the College are required to complete an upper division required curriculum consisting of the following seven courses:
- MKT 350. Principles of Marketing
- MGT 351. Management and Organizational Behavior
- FIN 351. Corporate Finance I
- LST 352. Legal Environment of Business I
- MGT 354. Business Statistics
- MGT 355. Decision Science
- MGT 361. Production/Operations Management

CAPSTONE COURSE
BA 450, Business Policy, is the capstone course required of all students graduating with a business degree from Georgia Southern University. This course integrates all prior course work in business administration.

MINOR OR UPPER DIVISION BUSINESS ELECTIVES AND FREE ELECTIVES
The 20 hours of credit in this block may be used to add a minor field of study or may be used as elective hours. If used to add a minor, plan A will apply or if used as elective hours, plan B will apply.
Plan A (Minor) ........................................ 20 hours
Plan B (Electives), Upper Division Business
- Electives ........................................... 10 hours
- Free Electives .................................... 10 hours

The courses required for each authorized minor are specified in this catalog (see Minors, General Information section).

SPECIFIC REQUIREMENTS
ACCOUNTING
The accounting major educates students so that they can begin and continue to develop careers as professional accountants. The program provides both entry-level competence to make sound independent judgements and a foundation for career development. The student is prepared for a wide-range of professional careers in public practice, industry, finance, government, and other not-for-profit organizations. Students are also prepared for further study in law school or in graduate programs in accounting and business.

EMPHASIS IN PUBLIC ACCOUNTING
A student who chooses an emphasis in public accounting will be able to prepare for careers in auditing of financial statements, financial accounting, not-for-profit accounting and tax accounting.

NOTE: This emphasis requires 40 hours in the major area plus Legal Environment of Business II. Since there are no upper division business electives, a minimum of 202 hours would be required if a student wishes to obtain a minor.
Specific Requirements:
- LST 353. Legal Environment of Business II .......................... 5 hours
- ACC 353. Intermediate Accounting I ................................. 5 hours
- ACC 354. Intermediate Accounting II ............................... 5 hours
EMPHASIS IN MANAGERIAL ACCOUNTING

A student who chooses an emphasis in public accounting will be able to prepare for careers in management accounting both in the private and public sector, as well as tax accounting and finance.

NOTE: This emphasis requires 35 hours in the major area plus 10 hours of restricted electives. Since there are no upper division business electives, a minimum of 202 hours would be required if a student wishes to obtain a minor. An exception would be a minor in Information Systems which can be completed in a minimum of 192 hours.

Specific Requirements:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACC 353</td>
<td>Intermediate Accounting I</td>
<td>5</td>
</tr>
<tr>
<td>ACC 354</td>
<td>Intermediate Accounting II</td>
<td>5</td>
</tr>
<tr>
<td>ACC 355</td>
<td>Managerial Accounting</td>
<td>5</td>
</tr>
<tr>
<td>ACC 453</td>
<td>Accounting Information Systems</td>
<td>5</td>
</tr>
<tr>
<td>ACC 455</td>
<td>Auditing</td>
<td>5</td>
</tr>
<tr>
<td>ACC 552</td>
<td>Income Taxation I</td>
<td>5</td>
</tr>
</tbody>
</table>

Restricted Electives of 10 hours selected from the following:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACC 553</td>
<td>Income Taxation II</td>
<td>5</td>
</tr>
<tr>
<td>FIN 457</td>
<td>Corporation Finance II</td>
<td>5</td>
</tr>
<tr>
<td>CIS 381</td>
<td>Introduction to Computer Programming</td>
<td>5</td>
</tr>
<tr>
<td>CIS 382</td>
<td>COBOL Programming</td>
<td>5</td>
</tr>
<tr>
<td>CIS 384</td>
<td>Systems Analysis and Design</td>
<td>5</td>
</tr>
</tbody>
</table>

ECONOMICS

This major is designed to give the student in business administration a broad knowledge of the field of economics in order to provide a foundation for professional careers in business and industry or for graduate training in economics.

Specific Requirements:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ECO 352</td>
<td>Managerial Economics</td>
<td>5</td>
</tr>
<tr>
<td>ECO 356</td>
<td>Global Economic Problems</td>
<td>5</td>
</tr>
<tr>
<td>ECO 359</td>
<td>Analysis of the Aggregate Economy</td>
<td>5</td>
</tr>
</tbody>
</table>

Economic electives (chosen with advisor) 20 hours

EMPHASIS IN AGRIBUSINESS

A student who majors in economics may elect an emphasis in agribusiness. This curriculum provides an opportunity for students to learn how the economic system operates as well as the role of agriculture in the economy. Excellent career opportunities are available in industries allied with agriculture, including those engaged in transportation, distribution, marketing and processing farm products as well as agricultural banking and credit agencies.

Specific Requirements:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ECO 352</td>
<td>Managerial Economics</td>
<td>5</td>
</tr>
<tr>
<td>ECO 355</td>
<td>Agribusiness Analysis</td>
<td>5</td>
</tr>
<tr>
<td>ECO 356</td>
<td>Global Economic Problems</td>
<td>5</td>
</tr>
<tr>
<td>ECO 359</td>
<td>Agricultural Markets and Price Analysis</td>
<td>5</td>
</tr>
<tr>
<td>ECO 359</td>
<td>Analysis of the Aggregate Economy</td>
<td>5</td>
</tr>
<tr>
<td>ECO 451</td>
<td>Economic Development</td>
<td>5</td>
</tr>
<tr>
<td>ECO 457</td>
<td>Agriculture Policy</td>
<td>5</td>
</tr>
</tbody>
</table>

EMPHASIS IN INTERNATIONAL BUSINESS

A student who majors in economics may elect an emphasis in international business. This curriculum prepares a student to deal with the problems and opportunities of international trade, international finance, global economic markets and multinational organizations. Career opportunities exist with multinational corporations as well as those institutions, such as banks, which sense the needs of international firms.
Specific Requirements:
ECO 352 Managerial Economics ........................ 5 hours
ECO 356 Global Economic Problems ......................... 5 hours
ECO 359 Analysis of the Aggregate Economy .................. 5 hours
FIN 553 International Finance ............................... 5 hours
MGT 563 International Management ......................... 5 hours
MKT 465 International Marketing ............................ 5 hours
ECO 451 Economic Development .............................. 5 hours
ECO 458 International Economics or LST 360 International Business Law 5 hours

FINANCE
Study in this area develops familiarity with the institutions and instruments within our financial system and an understanding of the problems of financing business activity. It includes study of the techniques and tools for solving these problems.
Requirements:
FIN 352 Financial Institutions ............................ 5 hours
FIN 355 Investments .................................. 5 hours
FIN 457 Corporation Finance II .......................... 5 hours
Finance electives (chosen with advisor) ................... 20 hours

EMPHASIS IN BANKING
The emphasis in banking is designed to allow a student to specialize in the management of financial institutions, especially banks.
Requirements:
FIN 352 Financial Institutions ............................ 5 hours
FIN 355 Investments .................................. 5 hours
FIN 457 Corporation Finance II .......................... 5 hours
FIN 454 Bank Management I ............................. 5 hours
FIN 458 Bank Management II .............................. 5 hours
FIN 460 Banking Law .................................. 5 hours
Finance elective (FIN 455 or FIN 553 or LST 353) ........ 5 hours

EMPHASIS IN RISK MANAGEMENT AND INSURANCE
A student who selects insurance will be provided with a valuable background to enter this growing field of business activity.
Requirements:
FIN 352 Financial Institutions ............................ 5 hours
FIN 355 Investments .................................. 5 hours
FIN 457 Corporation Finance II .......................... 5 hours
FIN 357 Life and Health Insurance ....................... 5 hours
FIN 358 Property and Casualty Insurance .................. 5 hours
FIN 359 Risk Management ................................ 5 hours
One 5 hour finance elective.

EMPHASIS IN REAL ESTATE
The emphasis in real estate allows a student to specialize in the growing and dynamic field of real estate.
Requirements:
FIN 352 Financial Institutions ............................ 5 hours
FIN 355 Investments .................................. 5 hours
FIN 457 Corporation Finance II .......................... 5 hours
FIN 356 Principles of Real Estate ......................... 5 hours
FIN 451 Real Estate Law .................................. 5 hours
FIN 452 Real Estate Appraisal ............................ 5 hours
FIN 459 Advanced Real Estate ............................. 5 hours

GENERAL BUSINESS
This major is designed to give the student a background in the broad field of business administration without specializing in any particular functional discipline. The student in general business must, with the approval of an advisor, select 35 hours of upper division business courses to complete the major requirement. Courses must be taken in at least two different functional areas (accounting, economics, finance, information systems, management, and marketing), and no more than 20 hours may be taken in a single functional area.

INFORMATION SYSTEMS
The computer has become a major factor in modern business organizations; correspondingly there has been an increasing need for information systems personnel. A student may elect a major in information systems which is designed to provide him or her with an in-depth knowledge of the use of computers in organizations. The information systems major stresses the management of the data function, the tools and techniques of systems analysis and computer programming and the development of information systems. The requirements for a major in information systems are shown below:
MGT 370. Organizational Behavior and Organizational Politics .................. 5 hours
CIS 381. Introduction to Computer Programming .................. 5 hours
CIS 382. COBOL Programming ............................. 5 hours
CIS 384. Systems Analysis and Design ...................... 5 hours
CIS 488. Applied Database Systems .......................... 5 hours
CIS 489. IS Development & Implementation .................. 5 hours
One Information Systems Elective chosen from the following list (approved by an advisor)

CIS 460. Advanced Programming Systems
CIS 470. Decision Support/Expert Systems
CIS 484. Business Data Communications
CIS 486. Information Resource Management
CSC 385. Assembler Language Programming
CSC 364. Data Structures

MANAGEMENT
This major emphasizes the integrative nature of the management discipline in planning, organizing, directing and controlling contemporary profit and non-profit organizations. The program includes the study of both qualitative and quantitative contributions from the management sciences to provide the student with modern analytic concepts, tools and techniques which can be used as aids to managerial decision-making. The impacts of the international environment and of the social responsibilities of managers receive special attention across the broad range of management courses. Various teaching methods are employed in an effort to bring reality into the classroom considerations of relevant business problems. The student who wishes to major in management can select one of four options: (1) the management major without any area of emphasis; (2) the management major with an emphasis in entrepreneurship/small business management; (3) the management major with an emphasis in human resource management; or (4) the management major with an emphasis in production/operations management. Each of these options is described below.

THE MANAGEMENT MAJOR WITHOUT AN AREA OF EMPHASIS
The management major without an area of emphasis allows the student to take an integrative group of courses selected from those offered by the Management Department.

Because of the flexibility allowed by this degree, it is imperative that the student develop a close relationship with an advisor who can provide specific guidance as to the selection of individual courses. This degree requires that the following courses be included in the major:

- MGT 370. Organizational Behavior and Organizational Politics .................. 5 hours
- MGT 475. Management Information Systems ........................................ 5 hours
- Upper Division Management Electives (Approved by an advisor) ............ 25 hours

THE MANAGEMENT MAJOR WITH AN EMPHASIS IN ENTREPRENEURSHIP/SMALL BUSINESS MANAGEMENT
This emphasis is designed for persons who have career aspirations that entail developing, starting, and managing businesses for profit. The distinguishing characteristic of the emphasis is that it will focus on teaching students how to assume total profit responsibility for a business enterprise. This necessarily entails the calculation of profit for a business operation as a whole. This emphasis will especially appeal to those who are self-motivators and who enjoy thinking for themselves and expressing their own ideas in their environments. This emphasis requires that the following courses be included in the concentration:

- MGT 370. Organizational Behavior and Organizational Politics .................. 5 hours
- MGT 371. Human Resource Management .............................................. 5 hours
- MGT 375. Entrepreneurship .................................................................... 5 hours
- MGT 376. Small Business Management .................................................. 5 hours
- MGT 377. Applied Small Business Management ....................................... 5 hours
- MGT 475. Management Information Systems ........................................ 5 hours
- Upper Division Management Electives (Approved by an advisor) ............ 5 hours

THE MANAGEMENT MAJOR WITH AN EMPHASIS IN HUMAN RESOURCE MANAGEMENT (HRM)
The human resource management emphasis allows a student to specialize in the study of personnel administration. This emphasis requires that the following courses be included in the concentration:

- MGT 370. Organizational Behavior and Organizational Politics .................. 5 hours
- MGT 371. Human Resource Management ................................................ 5 hours
- MGT 475. Management Information Systems ........................................ 5 hours
- Four HRM courses selected from the following: MGT 364. Current Issues in the Work Environment
THE MANAGEMENT MAJOR
WITH AN EMPHASIS IN
OPERATIONS MANAGEMENT (OM)
The operations management emphasis allows the student to prepare for positions in manufacturing, operations, and similar industries. This emphasis requires that the following courses be included in the concentration:

- MGT 370. Organizational Behavior and Organizational Politics 5 hours
- MGT 476. Advanced Operations Management 5 hours
- MGT 475. Management Information Systems 5 hours
- MGT 375. Business Logistics 5 hours
- MGT 477. Management of Quality 5 hours

An OM Elective chosen from the following:

- IM 352. Statistical Quality Control 5 hours
- IET 451. Plant Layout
- IET 452. Introduction to Robotics and CIM
- IET 453. Industrial Systems Simulations

An upper division elective (approved by an advisor) 5 hours

MARKETING
Preparation in this area will provide the student with an awareness of the marketing problems confronting today's business firms, some knowledge and experience in application of the tools and techniques of marketing problem solving and a more detailed acquaintance with one or more specific areas of the marketing discipline. Students may choose to major in general marketing or in one of the five emphasis areas under marketing. No MKT/FM course in the 360 series will qualify as a marketing elective in this major.

THE MARKETING MAJOR
WITHOUT AN AREA OF EMPHASIS
The general marketing track is the least specialized and supports the largest number of career opportunities in the field of marketing.

Specific Requirements:
- MKT 351. Principles of Advertising, or 5 hours
- MKT 461. Buyer Behavior, 5 hours
- MKT 452. Marketing Research 5 hours

EMPHASIS IN ADVERTISING
The advertising emphasis is designed for the student who desires to concentrate on advertising as a field of study and potential employment.

Specific Requirements:
- MKT 351. Principles of Advertising 5 hours
- MKT 358. Direct Response Marketing 5 hours
- MKT 452. Marketing Research 5 hours
- MKT 455. Marketing Management 5 hours
- MKT 458. Advertising Management and Policies 5 hours
- MKT 459. Advertising Campaigns 5 hours
- Marketing Electives 20 hours

EMPHASIS IN FASHION MERCHANDISING
The fashion merchandising emphasis is designed to provide the student with a broad knowledge of business and marketing while stressing the areas of retailing and fashion.

Specific Requirements:
- MKT 354. Retail Store Management 5 hours
- FM 360. Fashion Fundamentals 5 hours
- FM 361. Principles of Merchandising 5 hours
- FM 364. Textiles 5 hours
- MKT 450. Retail Merchandising Control 5 hours
- MKT 452. Marketing Research 5 hours
- MKT 455. Marketing Management 5 hours
- Upper Division Business Electives 10 hours

Course descriptions designated with the FM prefix may be found on page 196 with fashion merchandising courses.

Specific Requirements:
- MKT 351. Principles of Advertising 5 hours
- MKT 354. Retail Store Management 5 hours
- MKT 450. Retail Merchandising Control 5 hours

EMPHASIS IN RETAILING MANAGEMENT
The retailing emphasis is for students interested in retail careers or in marketing positions where knowledge of retailing is important.

Course descriptions designated with the FM prefix may be found on page 196 with fashion merchandising courses.

Specific Requirements:
- MKT 351. Principles of Advertising 5 hours
- MKT 354. Retail Store Management 5 hours
- MKT 450. Retail Merchandising Control 5 hours
MKT 452. Marketing Research .......... 5 hours
MKT 454. Retail Management
Problems .................................. 5 hours
MKT 455. Marketing Management .... 5 hours
Marketing Elective ......................... 5 hours

EMPHASIS IN SALES AND SALES MANAGEMENT
The sales and sales management emphasis is for the student interested in sales as an entry-level marketing position or in sales as a career.
Specific Requirements:
MKT 351. Principles of Advertising . 5 hours
MKT 352. Professional Selling ......... 5 hours
MKT 353. Industrial Marketing ...... 5 hours
MKT 452. Marketing Research ....... 5 hours
MKT 455. Marketing Management .... 5 hours
MKT 456. Sales Management ......... 5 hours
Marketing Elective ......................... 5 hours

EMPHASIS IN LOGISTICS AND INTERMODAL TRANSPORTATION
Transportation companies, industrial firms and government agencies are all looking for the qualified graduate with training in the field of physical distribution. The emphasis in logistics and intermodal prepares the student for this career choice by providing courses in logistics, transportation and marketing.
Specific Requirements:
MKT 357. Principles of
Transportation ................................ 5 hours
MKT 375. Business Logistics ......... 5 hours
MKT 452. Marketing Research ....... 5 hours
MKT 455. Marketing Management .... 5 hours
MKT 462. Marine Transportation .... 5 hours
MKT 463. Seminar in Intermodal Distribution .................................. 5 hours
Marketing Elective ......................... 5 hours
Upper Division Business Electives 10 hours suggested from:
ECO 439. International Economics
FIN 533. International Finance
GGY 356. Economic Geography
LST 360. International Law
MGT 563. International Management
MKT 465. International Marketing

COURSE DESCRIPTIONS
COLLEGE OF BUSINESS ADMINISTRATION
Carl W. Gooding, Dean
William B. Carper, Associate Dean
To achieve efficiently both a sound liberal education and substantial professional education at the undergraduate level, it is necessary that students preparing for careers in business administration take all courses listed in the curriculum in regular sequence.

TRANSFER STUDENTS
The specific transfer credits which will apply toward a degree program in business administration are determined by the Dean of the College of Business Administration. The transfer credits approved by the Dean of the College of Business Administration will in no case exceed those credits allowed by the Director of Admissions. Allowance of transfer credit by the Director of Admissions does not mean necessarily that all such credit will be accepted toward a particular major within the College of Business Administration.

Transfer students with advanced standing not having credit for lower level courses should expect to make up any deficiencies at the earliest opportunity.

A junior or senior level course taken when the student is a freshman or sophomore will not be acceptable, unless approved by the Dean of the College.

BUSINESS ADMINISTRATION
BA 150. INTRODUCTION TO BUSINESS
A survey course that will acquaint the beginning college student with the major institutions and practices in the business world, provide an understanding of basic business concepts and present a view of the career opportunities which exist in business.

BA 351. BUSINESS ETHICS
An issue oriented inquiry into normative ethical conduct for businessmen.

BA 450. BUSINESS POLICY
A capstone course to integrate all the respective areas of business. Special emphasis is given to determining business objectives as well as the application and use of business tools to achieve these objectives. Prerequisite: Senior standing, completion of the upper division business core.

BACHELOR OF ARTS IN ECONOMICS
These requirements are listed for this major in the College of Arts and Sciences section of this catalog.
and last two quarters prior to graduation.

BA 499. COOPERATIVE EDUCATION
This non-credit course can only be used by students enrolled in Georgia Southern's Cooperative Education Program.

DEPARTMENT OF ACCOUNTING
Courses in accounting and legal studies are offered by the Department of Accounting.

K. Fortin, Chair
Professors: K. Fortin, O. James (Emeritus), L. Hamilton, P. LaGrone (Emeritus), J. Martin, H. O'Keefe, N. Quick (Emeritus)
Associate Professors: W. Bostwick, N. Wagner
Assistant Professors: M. Blodgett, W. Francisco, H. Harrell, K. Johnson, L. Mooney, K. Nessmith, S. Wise, H. Wright
Instructor: A. Parham

ACC 251. PRINCIPLES OF ACCOUNTING I
A survey of the accumulation and use of financial information.

ACC 252. PRINCIPLES OF ACCOUNTING II
A continuation of Principles of Accounting I. Prerequisite: ACC 251.

ACC 260. A SURVEY OF ACCOUNTING
A survey of the use of accounting information for economic decisions. Prerequisite: none (Not open to BBA students, and will not substitute for ACC 251.)

ACC 353. INTERMEDIATE ACCOUNTING I
Introduction to accounting theory and practice at the professional level. Prerequisite: ACC 252, and a 2.5 GPA in ACC 251 and 252 or consent of instructor.

ACC 354. INTERMEDIATE ACCOUNTING II
A continuation of ACC 353. Prerequisite: A "C" or better in ACC 353 or consent of instructor.

ACC 355. MANAGERIAL ACCOUNTING I
A study of job order and process cost accounting systems and the use of standard costs for management control. Prerequisite: A "C" or better in ACC 354 or consent of instructor.

ACC 360. TAX ASPECTS OF MANAGEMENT DECISIONS
An introduction to federal taxation implications for business and financial management. Prerequisite: none. (Open to both BBA and non-BBA students, but will not substitute for ACC 552 or 553.)

ACC 451. ADVANCED ACCOUNTING
Accounting practice relating to partnerships, home office and branch operations, consolidated financial statements, foreign exchange, and fund accounting. Prerequisite: A "C" or better in ACC 354 or consent of instructor.

ACC 453. ACCOUNTING INFORMATION SYSTEMS
A study of accounting information systems concepts, application and the process by which they are analyzed and designed. Prerequisite: A "C" or better in ACC 354 or consent of instructor.

ACC 454. MANAGERIAL ACCOUNTING II
A study of the concepts and tools used in the preparation and reporting of financial information for managers, and for subsequent use of that information in the making of both routine and unique managerial decisions. Prerequisite: ACC 355 or consent of instructor.

ACC 455. AUDITING
The study of generally accepted auditing standards and professional ethics of Certified Public Accountants. Prerequisite: ACC 453 or consent of instructor.

ACC 457. GOVERNMENTAL AND INSTITUTIONAL ACCOUNTING
A study of accounting theory and practice relating to governmental units and nonprofit institutions. Prerequisite: A "C" or better in ACC 354 or consent of instructor.

ACC 552. INCOME TAXATION I
An introduction to federal income taxation. Prerequisite: A "C" or better in ACC 354 or consent of instructor.

ACC 553. INCOME TAXATION II
A study of taxation of partnerships and corporations. Prerequisite: ACC 552.

ACC 555. ESTATE AND GIFT TAXATION
A survey of federal estate and gift taxation and tax planning for individuals. Prerequisite: ACC 552 or consent of instructor.

ACC 558. ACCOUNTING THEORY
A critical review and evaluation of current issues relating to corporate financial reporting. Prerequisite: A "C" or better in ACC 354 or consent of instructor.

ACC 586. SPECIAL PROBLEMS IN ACCOUNTING
Independent study and research in selected areas of accounting under supervision of a member of the faculty. Prerequisite: Consent of the instructor.

ACC 599. ACCOUNTING INTERNSHIP
A supervised work/study program in an approved firm's accounting department. Student is required to work one full quarter; periodic reports as well as a summary final report must be submitted to supervising
LST 352. LEGAL ENVIRONMENT OF BUSINESS I
A study of primary factors influencing American business transactions in the international environment, including a review of legal thought and ethical practices, the U.S. Constitutional and regulatory framework, common law governing the contracting process, and the Uniform Commercial Code on Sales. Prerequisite: Completion of 80 credit hours of coursework.

LST 363. LEGAL ENVIRONMENT OF BUSINESS II
An advanced treatment of the law of agency, commercial paper and negotiable Instruments, secured transactions, corporations and partnerships. A study of the Uniform Commercial Code is included in the relevant areas. Prerequisite: LST 352.

LST 360. INTERNATIONAL BUSINESS LAW
A study of legal concepts and laws which govern international business transactions. International organizations, the European Community, trade agreements, sales contracts, risk of loss, letters of credit, and export-import regulations are covered. Prerequisite: LST 352.

LST 451. REAL ESTATE LAW
The study of real property law to include leases, deeds, trusts, and mortgages.

LST 452. CPA LAW REVIEW
For those who expect to take the examination for certified Public Accountants. A general review of all business law courses together with instruction in the other areas of law upon which the student will be tested during the CPA Examination. Prerequisite: LST 353, accounting major or permission of the Instructor.

LST 453. INSURANCE LAW
A study of the legal concepts and doctrines applicable to the field of insurance. Basic legal problems of the major branches of insurance are dealt with including fire, marine, casualty, life, workers' compensation and governmental insurance programs.

LST 460. BANKING LAW
A study of the legal concepts applicable to the field of banking. Basic problems dealt with include regulations of banking activity, bank holding companies, the regulation of non-traditional banking activity, formation of new banks and or branches, trusts, powers, antitrust problems, commercial paper, FDIC and international banking.

DEPARTMENT OF FINANCE AND ECONOMICS
Courses in finance and economics are offered by the Department of Finance and Economics. W. Whitaker, Chair

Professor: L. Carnes, R. Coston, F. Hodges, L. Price(Emeritus), D. Weisenborn, W. Whitaker
Associate Professors: E. Davis, S. Forbes, M. Jones
Assistant Professors: J. Budack, W. Levernier, J. Hatem, W. Smith, L. Stewart, J. White
Temporary Instructors: J. Earle, W. Jones, J. Vaughn

ECO 250. PRINCIPLES OF ECONOMICS I
Introduction to economic analysis and policy. A study of the market economy, with emphasis on the determinants of national income and the level of employment; money and banking; and economic fluctuations and growth.

ECO 251. PRINCIPLES OF ECONOMICS II
Analysis of economic activity from the viewpoint of the individual firm. Emphasis on supply and demand analysis, elasticity, cost of production, pricing and output under market conditions, and resource pricing and employment.

ECO 260. BASIC ECONOMICS
A one-quarter survey course designed for non-business majors. The purpose is to develop an understanding of economic concepts and policies to aid in the analysis of economic problems. The course covers both the areas of macro-and micro-economics.

ECO 295. ACCELERATED PRINCIPLES OF ECONOMICS
A course, encompassing the subject matter covered in Economics 250 and 251, designed for the student with a 3.0 GPA or higher. Five hours of credit is granted for successful completion of this accelerated course. Prerequisite: Invitation from department.

ECO 350. GOVERNMENT AND BUSINESS
A survey of public policies which most directly affect the operations of individual firms and industries with emphasis on policy setting, regulation and public enterprise. Prerequisite: Economics 251 or consent of the Instructor.

ECO 361. HISTORY OF ECONOMIC THOUGHT
A study of the development of modern economic analysis as evidenced in the writings of Smith, Ricardo, Malthus, Mill, Marx, Marshall, Keynes, and others with attention to the historic
and philosophic context. Prerequisite: Economics 250, 251 or consent of the instructor.

**ECO 352. MANAGERIAL ECONOMICS**
Microeconomics and its application to decision-making and policy formulation in the business firm; demand and supply analysis, price procedures, market structure, and case studies.

**ECO 353. MONEY AND BANKING**
See Finance 353.

**ECO 354. LABOR ECONOMICS**
A study of labor market analysis; economics of trade unionism, legislation and jurisprudence; wage and collective bargaining theory. Prerequisite: Economics 250, 251.

**ECO 355. AGRIBUSINESS ANALYSIS**
A study of how agribusiness firms make decisions, analysis of the profitability of those decisions, and development of appropriate cash flow budgets. Prerequisite: Economics 250 and 251.

**ECO 356. GLOBAL ECONOMIC PROBLEMS**
A study of international trade, finance, and development. Free trade, barriers to trade, foreign direct investment, exchange rates, capital mobility, economic growth patterns, and technological change will be analyzed. Current worldwide economic problems will be featured.

**ECO 357. ECONOMICS OF PROPERTY RIGHTS**
The most modern approach to economic analysis which examines the incentives produced by prevailing property rights structure within our society and their effect on economic behavior and decision-making.

**ECO 358. AGRICULTURAL MARKETS AND PRICE ANALYSIS**
A study of agribusiness firms production and capital acquisition decisions given market structures and prices for goods, services, and capital. Capital budgeting techniques, hedging through securities and commodities, and forecasting will be included.

**ECO 359. ANALYSIS OF THE AGGREGATE ECONOMY**
The study of the forces which determine the level of income, employment, inflation, interest rates, and output with particular attention on the effects of government monetary and fiscal policy. Prerequisites: ECO 250 and ECO 251 or consent of the instructor.

**ECO 374. FARM MANAGEMENT**
Study of the tools available for agricultural decision making, acquisition and organization of the factors of agricultural production, and efficient management of the organized farm. Prerequisite: Economics 250 and 251.

**ECO 380. CONSUMER ECONOMICS**
An analysis of various economic problems faced by the average consumer functioning in the present day economic society. Emphasis is placed on those economic problems most seriously affecting consumers and the policies designed to correct these problems. This survey course is designed for non-business majors. Business majors may take this course if approved by their advisor.

**ECO 430. READING FOR HONORS IN ECONOMICS**

**ECO 451. ECONOMIC DEVELOPMENT**
Economic analysis of growth patterns and technological change, with emphasis on macro-aspects of development planning and strategy; case studies. Prerequisite: Economics 250, 251 or consent of the instructor.

**ECO 452. COMPARISON OF CAPITALIST, SOCIALIST AND COMMUNIST ECONOMIC SYSTEMS**
A critical and analytical study of different solutions to the problems of production, distribution and growth in the major market and command-type economics. Introduction to Mandan economic theory. Prerequisite: Economics 250 and 251, or consent of the instructor.

**ECO 456. INTRODUCTION TO ECONOMETRICS**
Students are introduced to special topics in mathematical statistics requisite to understanding econometrics and its application. Special emphasis attached to demand, production, and cost analysis. Prerequisite: Economics 250, 251.

**ECO 457. AGRICULTURAL POLICY**
Analysis of the causes, nature, and effects of government participation in agriculture. Emphasis is upon the formulation and administration of agricultural policy and the role of various interest groups in each of the major agricultural product markets. Prerequisite: Economics 250, 251 and senior standing.

**ECO 458. INTERNATIONAL ECONOMICS**
An in-depth examination of the theory, policy, and current issues of international trade and exchange rate systems. Topics will include trade barriers, forces of economic integration, foreign exchange markets and exchange rate analysis under different exchange rate systems. Prerequisites: ECO 250, ECO 251, and ECO 355, or consent of the instructor.

**ECO 462. AMERICAN ECONOMIC HISTORY**
See History 462.
ECO 485. PUBLIC FINANCE
See Finance 485.
ECO 560. CURRENT ECONOMIC PROBLEMS
A study of today's most important economic problems and their impact on and interaction with the overall economic system. Various tools of economic analysis are introduced and developed in analyzing each problem.
ECO 596. SPECIAL PROBLEMS IN ECONOMICS
This course emphasizes change in monetary standards, currency systems, Federal Reserve System, commercial banks, and the credit market, international exchange and monetary theory. Prerequisite: ACC 251
FIN 351. CORPORATION FINANCE I
A study of the fundamental concepts, theories, tools of analysis and current problems of managerial finance in the business enterprise. Prerequisite: ACC 252 and ECO 251.
FIN 352. FINANCIAL INSTITUTIONS
A study of financial institutions and their role in financial markets. Prerequisites: ACC 251, ACC 252, ECO 250, and ECO 251, or consent of instructor.
FIN 353. MONEY AND BANKING
A study of monetary standards, currency system of the United States, problem of inflation, and deflation. Federal Reserve System, commercial banks, and credit market, international exchange and monetary theory. Prerequisite: ACC 251 and ECO 250.
FIN 355. INVESTMENTS I
Covers the field of investment with major emphasis on the securities market, common stocks, and government and industrial bonds. Prerequisite: FIN 351.
FIN 356. PRINCIPLES OF REAL ESTATE
Covers the ownership of property, transfer of title, liens, appraisals, and the real estate cycle. Prerequisite: junior standing.
FIN 357. LIFE AND HEALTH INSURANCE
A study of the functions and uses of life and health insurance as applied to the operation of the modern business organization and to individual situations.
FIN 358. PROPERTY AND CASUALTY INSURANCE
A study of the important property and liability insurance coverages available, with an emphasis on the application of these coverages to personal and business exposures.
FIN 359. RISK MANAGEMENT
A course designed to acquaint the student with an understanding of pure-loss, the nature of risk management and role of the risk manager. Emphasis is placed on the recognition, measurement and treatment of pure risks in business and governmental organizations. Prerequisite: junior standing.
FIN 375. COMPUTERS IN FINANCE
A study of the growing role of the use of computers in financial institutions and in corporate financial management. Prerequisite: junior standing.
FIN 451. REAL ESTATE LAW
The study of real property law to include leases, deeds, trusts, and mortgages.
FIN 452. REAL ESTATE APPRAISAL
The study of the value of real estate and of ownership rights in real estate.
FIN 453. INSURANCE LAW
A study of the legal concepts and doctrines applicable to the field of insurance. Basic legal problems of the major branches of insurance are dealt with including fire, marine, casualty, life, workers' compensation and governmental insurance programs.
FIN 454. BANK MANAGEMENT I
A study of the theory and operation of the commercial bank with emphasis on bank management. Prerequisite: FIN 352 or FIN 353 or consent of instructor.
FIN 455. INVESTMENTS II
A study of price determination and behavior in the major capital markets as a basis for security analysis. Prerequisite: FIN 353.
FIN 456. BUSINESS FLUCTUATIONS AND FORECASTING
A study of the methods of forecasting business conditions. Uses business indicators.
FIN 457. CORPORATION FINANCE II
A study of promotion, capital budgeting, financing, capital structure, dividend policy, and valuation with emphasis on applied decision making through the use of case studies. Prerequisite: FIN 351, senior standing, or consent of the instructor.
FIN 458. BANK MANAGEMENT II
The management of financial institutions, especially commercial banks. Case studies and selected reading in such areas as lending policy, investment policy, reserve management, bank operations, and competition among financial institutions. Prerequisite: permission of instructor.
FIN 459. ADVANCED REAL ESTATE
A study of current topics of interest and importance in real estate with emphasis on real estate investment and financing. Prerequisite: FIN 356.

FIN 460. BANKING LAW
A study of the legal concepts applicable to the field of banking. Basic problems dealt with include regulations of banking activity, bank holding companies, the regulation of nontraditional banking activity, formation of new banks and or branches, trust powers, antitrust problems, commercial paper, FDIC and international banking.

FIN 485. PUBLIC FINANCE
The facts and theories of American public finance; expenditures, revenues, fiscal administration; intergovernmental fiscal relations, government borrowing, and fiscal policy. Prerequisite: FIN 352 or FIN 353, senior standing, or consent of instructor.

FIN 553. INTERNATIONAL FINANCE
Integrates money and banking with international finance, stressing the evolving nature of the international monetary mechanism. Discusses proposed reforms in gold, exchange rate, and reserves. Prerequisite: FIN 353 or FIN 353 or consent of instructor.

FIN 554. ESTATE MANAGEMENT
Solving of individual estate management problems by combining principles of investment, insurance, and taxation. Prerequisite: FIN 355 and 357 or ACC 552.

FIN 596. SPECIAL PROBLEMS IN FINANCE
Independent study and research in selected areas of finance under supervision of a member of the faculty. Prerequisite: consent of the instructor.

FIN 599. INTERNSHIP IN FINANCE
This internship is designed to allow upper division students in finance an opportunity to receive practical experience in their chosen field of study. Prerequisite: Junior-Senior standing and prior approval of Department Head.

DEPARTMENT OF MANAGEMENT
Courses in information systems and management are offered by the Department of Management.

W. McMartney, Chair
Associate Professors: M. Burns, L. Dosler, J. Gutknecht, E. Murgison, R. Stone, R. Wells


Instructors: C. Evans, L. Smith

CIS 251. INTRODUCTION TO COMPUTER INFORMATION SYSTEMS
A survey of Management Information Systems and the application of computers in business. This course introduces students to hardware, software, data, procedures, and human resources and examines their integration and application in the business setting. Students will also experience the use of word processing, spreadsheet, and database management programs. Prerequisites: ENG 151, and MATH 151 or equivalent or consent of instructor.

CIS 381. INTRODUCTION TO COMPUTER PROGRAMMING
This course provides a thorough introduction to computer programming using a high-level programming language. The course contains a strong emphasis on fundamentals of computer architecture, data representation and logic development, and includes the concept of structured programming and the application of fundamental data structures. Prerequisite: CIS 251 or consent of instructor.

CIS 382. COBOL PROGRAMMING
This course provides a complete treatment of the COBOL language. The course includes file handling, job control language; and other advanced techniques. Prerequisites: CIS 381 or CSC 283 and CSC 285 or consent of instructor.

CIS 384. SYSTEMS ANALYSIS AND DESIGN
Concepts and techniques of systems analysis and design. Topics include systems theory, systems analysis and design, tools and techniques of the analyst, and the design of an information system. Prerequisites: CIS 381 or CSC 283 and CSC 285 or consent of instructor.

CIS 460. ADVANCED PROGRAMMING CONCEPTS
This course examines advanced programming concepts. Possible topics may include object oriented programming and fourth and fifth generation languages, using appropriate languages and systems. Prerequisite: CIS/CSC 382 and CIS 384 or consent of instructor.

CIS 470. DECISION SUPPORT/EXPERT SYSTEMS
This course examines the application of microcomputer based decision support and expert systems software to the solution of
business problems. Prerequisite: CIS 381 or consent of instructor.

CIS 484. BUSINESS DATA COMMUNICATIONS
A study of telecommunications technology in the business environment to include voice, data, and video communications. Emphasis will be placed on the application of the technology to meet information systems' requirements. Prerequisites: CIS 381 and CIS 384 or consent of instructor.

CIS 486. INFORMATION RESOURCE MANAGEMENT
A study of the management of the organization's information system function from the perspective of information as a critical organization resource. Emphasis will be on information systems planning, and managing the information systems applications portfolio. Prerequisites: CIS 381 and CIS 384 or consent of instructor.

CIS 488. APPLIED DATABASE SYSTEMS
An applied study of business databases, their design and implementation. Focus of the course is on database design and manipulation. Several current business databases are utilized to demonstrate concepts and techniques. Prerequisite: CIS 384 or consent of instructor.

CIS 489. IS DEVELOPMENT AND IMPLEMENTATION
The course integrates prior information systems study through the development and implementation of a systems product. Focus is on requirements definition, analysis, design, systems building, and implementation in a product environment. Prerequisite: CIS 384 and CIS 488 or consent of instructor.

CIS 596. SPECIAL PROBLEMS IN INFORMATION SYSTEMS
Involves individual student research or study on special problems under the direction of an information systems faculty member having special qualifications or interests in the problem area. Prerequisite: By permission only.

MGT 351. MANAGEMENT AND ORGANIZATIONAL BEHAVIOR
A survey course of the field of management. This course examines the various perspectives on managing organizations and the basic management functions of planning, organizing, motivating, and controlling. Other organizational behavior topics such as leadership, communication, decision-making and power and influence are also discussed. Prerequisite:

Completion of 80 credit hours of coursework or consent of instructor.

MGT 354. BUSINESS STATISTICS
An introductory course dealing with the concepts and techniques concerning frequency distributions, central tendency and variation, probability, sampling, statistical inference, regression and correlation. Prerequisites: MATH 155, completion of 80 credit hours of coursework or consent of instructor.

MGT 355. DECISION SCIENCE
Analysis of the scientific decision-making methods of modern day managers. Includes probability theory, decision making under certainty and uncertainty, inventory models, linear programming, Markov analysis, and queuing models. Prerequisite: MGT 354 or consent of instructor.

MGT 357. DEV. EFFECTIVE LEADERSHIP SKILLS
An applied study of leadership in large and small businesses. Course will stress development of leadership skills needed in decision making, conflict management, negotiation, motivation, team building, performance evaluation, mentoring and coaching. Prerequisite: MGT 351

MGT 351. OPERATIONS MANAGEMENT
Application of the principles of management to the selection, design, operation, control and updating of operational systems both in the manufacturing and service sectors. Prerequisites: MGT 351, MGT 354 or consent of instructor.

MGT 363. HISTORY OF MANAGEMENT THOUGHT
A study of the evolution of management ideas through the ages, emphasizing the social conditions of the times and the changes wrought by the new approaches, concluding with a look at the future as expressed by current theorists. Prerequisite: MGT 351 or consent of instructor.

MGT 364. CURRENT ISSUES IN THE WORK ENVIRONMENT
An overview of the current issues in the work environment related to the job selection process, equal employment opportunity, and the rights of workers on the market. Prerequisite: MGT 351 or consent of instructor.

MGT 365. COLLECTIVE BARGAINING
A study of the history and the functions of labor organizations with references to such areas as trade unions and public policy; the structure, government, and objectives of trade unions; the collective bargaining process, and the labor
MARKET. Prerequisite: MGT 351 or consent of instructor.

MGT 370. ORGANIZATIONAL BEHAVIOR AND ORGANIZATIONAL POLITICS
A study of manager, individual and group interactions within the organizational setting concluding with an analysis of leadership and current developments in changing the behavior of individuals and groups in organizations. Prerequisite: MGT 351 or consent of instructor.

MGT 371. HUMAN RESOURCE MANAGEMENT
A global overview of human resource management activities including human resource planning, job analysis, staffing, training, establishing compensation programs, evaluating employee performance, and carrying out human resource audits. Prerequisite: MGT 351 or consent of instructor.

MGT 372. ORGANIZATIONAL DEVELOPMENT
A study of the history of organization development, its basic assumptions, values, interventions, and techniques. Latest developments in usage, new areas of expansion, methods of research, and evaluations of capabilities and limitations will be examined. Prerequisite: MGT 351 and MGT 370, or consent of instructor.

MGT 375. ENTREPRENEURSHIP
A study of the business formation process focusing on the behaviors of entrepreneurs and the creation of new businesses in dynamic environments. Prerequisite: MGT 351 or consent of instructor.

MGT 376. SMALL BUSINESS MANAGEMENT
This course provides a complete coverage of small business operations with proper balance between business functions and the management function. Prerequisite: MGT 351 or consent of instructor.

MGT 377. APPLIED SMALL BUSINESS MANAGEMENT
An applied study of actual small businesses. Involves developing a major case project tailored to the needs of an actual business. Prerequisites: MGT 375 and MGT 376, or consent of instructor.

MGT 390. HONORS QUANTITATIVE METHODS
An integrated course in quantitative methods which focuses on the integration of both statistical techniques and deterministic optimization techniques in the decision making process. This course substitutes for both MGT 354 and MGT 355. Prerequisites: MAT 155, CIS 251 or equivalent, junior standing, and consent of the instructor.

MGT 391. HONORS MANAGEMENT AND ORGANIZATIONAL BEHAVIOR
An integrated course encompassing the principles of management and organizational behavior. This course substitutes for both MGT 351 and MGT 370. Prerequisites: Junior standing and consent of the instructor.

MGT 461. STAFFING, TRAINING, AND DEVELOPMENT
A study of human resources planning, recruiting, and selection followed by a detailed investigation of training programs, evaluation of training, and personnel development. Quantitative techniques and the use of state of the art computer capabilities are emphasized throughout the course. Prerequisites: MGT 351 and MGT 354 or consent of instructor.

MGT 463. EMPLOYEE BENEFITS
Employee benefit programs will be examined as part of an overall compensation program. The planning, executing, and evaluating of these programs will be studied as well as program cost estimation. Special attention will be given to relationships of benefit programs on employee attrition and productivity. Legal requirements will be integrated into all topics. Prerequisite: MGT 351 or consent of instructor.

MGT 471. MANAGING IN NOT-FOR-PROFIT ORGANIZATIONS
A study of the unique aspects of managing not-for-profit organizations. Planning, organizing, directing, and controlling functions, as previously learned, are applied to the not-for-profit organization and human resource management techniques are considered for the sector. Further, the role in society of the not-for-profit organization is examined. Prerequisites: MGT 351, MKT 350, FIN 351, and LST 352 or consent of instructor.

MGT 472. COMPENSATION MANAGEMENT
A study of the fundamentals of wages and salaries in business organizations, the historical and legal trends in wage administration, the role of job analysis and performance appraisal in establishing a sound wage and salary program, and the basic ingredients of an effective compensation program. Prerequisite: MGT 351 or consent of instructor.

MGT 473. CASE PROBLEMS IN MANAGEMENT
Presents for analysis, discussion, and solution case-problems, descriptions of actual situations
MGT 596. SPECIAL PROBLEMS IN MANAGEMENT
Involves individual student research or study on special problems under the direction of a management faculty member having special qualifications or interests in the problem area. Prerequisite: By permission only.
MGT 599. INTERNSHIP IN MANAGEMENT
A supervised work-study program in selected business firms throughout the Southeast. Student interns will be required to interview for jobs in those firms which are pre-selected by the Management faculty. Any student enrolled in the internship program will be required to work for one full quarter. Prerequisites: Junior standing; consent of both the supervising instructor and the Department Chairperson is also required.

DEPARTMENT OF MARKETING
Courses in marketing are offered by the Department of Marketing.
D. Thompson, Chair
Professors: W. Bolen, E. Randall, D. Thompson, J. White (Emerita)
Associate Professors: R. Hilde, L. Munilla, C. Williams
Assistant Professors: L. Denton, J. Ezell (Emeritus), M. Miles, A. Mosley (Emeritus), D. Robideaux, C. Swift, J. Wilson
MKT 255. BUSINESS COMMUNICATIONS
The objectives of this course are to acquaint the student with the functional importance of communications in business management and to teach the techniques of written and oral communication. The use of correct and forceful English is stressed in the assigned writings which include a variety of methods of collecting data. Students are given practice in all types of business communications. Prerequisites: English 151 and 152.
MKT 350. PRINCIPLES OF MARKETING
A basic survey of the field of marketing with emphasis upon the problems of policy determination and marketing management. Consideration is given to the international and ethical aspects of marketing decisions. Prerequisite: Completion of 80 credit hours of coursework.
MKT 351. PRINCIPLES OF ADVERTISING
Management of advertising by clients and agencies. Budgeting, research, media selection, preparation of advertisements, and economic and social impact of advertising. Prerequisite: MKT 350 or consent of instructor.

MKT 352. PROFESSIONAL SELLING
A study of the methods of selling. Topics covered include analysis of prospects, knowledge of merchandise and its use, preparation of sales talks, and methods of handling objections and closing sales, with emphasis on different selling situations. Prerequisite: MKT 350.

MKT 353. INDUSTRIAL MARKETING
Management of marketing activities by industrial product manufacturers and service institutions, with emphasis on marketing research, product or service strategy, industrial channels, and promotional strategy. Prerequisite: MKT 350.

MKT 354. RETAIL STORE MANAGEMENT
A comprehensive course emphasizing the specific activities of retail management, merchandising, and promotion. Prerequisite: MKT 350.

MKT 356. DIRECT RESPONSE MARKETING
Management of non-personal promotional methods which are designed to secure immediate response by the customer. Includes direct mail, the print and electronic media, and telemarketing. A complete direct response campaign is required of each student. Prerequisites: MKT 350 and MKT 351.

MKT 357. PRINCIPLES OF TRANSPORTATION.
An introduction to the economic, social, and political aspects of the United States transportation system. Includes various modal components (rail, highway, air, pipeline, and water transportation) and internal constraints. Field trips may be required. Prerequisite: MKT 350.

MKT 359. CREDIT AND COLLECTIONS
Management of consumer and mercantile credit. Analysis of credit risk. Management of collections and control of credit. Prerequisite: MKT 350.

MKT 375. BUSINESS LOGISTICS
Interrelationships among functional areas of business as they impact the flow of raw materials and finished goods through the firm. Inventory control, warehousing location and operation, packaging, transportation alternatives, and information processing are among the topics covered. Field trips may be required. Prerequisite: MKT 350.

MKT 450. RETAIL MERCHANDISING AND CONTROL
Planning and analysis with reference to merchandising and expense budgets, pricing, purchase planning, buying techniques, stock control, and related retail operations. Prerequisite: MKT 354.

MKT 452. MARKETING RESEARCH
The role of research in the solution of marketing problems. Emphasis is on available data analysis and methods of the field investigation. Direct experience with large-system data entry and analysis is required. Prerequisite: MKT 350 and MGT 354.

MKT 454. RETAIL MANAGEMENT PROBLEMS
Analysis of case problems in retail store management: merchandising, control, pricing, promotion, and customer service. Prerequisite: MKT 354.

MKT 455. MARKETING MANAGEMENT
Marketing policies and strategy. Product planning, pricing, distribution, promotion, and service from the marketing manager's viewpoint. Prerequisite: MKT 350 and MKT 452.

MKT 456. SALES MANAGEMENT
Management of sales functions of a firm. Organization, forecasting, sales planning, setting territories and quotas, management of sales force, sales, and cost analysis. Prerequisite: MKT 350.

MKT 457. SERVICES MARKETING
An in-depth analysis of the application of marketing theory and methods to services marketing. Emphasis is placed upon the unique problems associated with the marketing of services and the design and implementation of marketing strategies for service firms. Prerequisite: MKT 350.

MKT 458. ADVERTISING MANAGEMENT AND POLICIES
Critical analysis of problems such as advertising budgets, client-agency relationships, advertising account management, media management, administration and control, media planning. Prerequisite: MKT 351.

MKT 459. ADVERTISING CAMPAIGNS
The study of multi-media advertising campaigns with special emphasis on setting advertising objectives, developing advertising strategies, and executing those strategies in the marketplace. Students, working in groups, will prepare and present an advertising campaign for a
product (good/service/idea). Prerequisite: MKT 351 and MKT 452.

MKT 460. ADMINISTRATIVE COMMUNICATION
Both theory and practice of oral and written communications in the business organization are stressed. Emphasis is placed upon individual and group performance, relating this to communication theories, briefing procedures for staff and board meetings, and concepts of semantics for clarity in communication. Prerequisite: MKT 255 or equivalent. Does not count as a marketing elective.

MKT 461. BUYER BEHAVIOR
Application of the behavioral science approach to analysis of buyer behavior, both final consumer and industrial. Individual, social and socio-cultural factors are studied. Prerequisite: MKT 350.

MKT 462. MARINE TRANSPORTATION MANAGEMENT
An in-depth examination of the global market for shipping services, the various types of marine transportation systems and their role in international business logistics and world trade. Also covered are issues in the management of ocean shipping and ancillary services. Field trips may be required. Prerequisite: MKT 350.

MKT 463. SEMINAR IN INTERMODAL DISTRIBUTION
Senior seminar in the Logistics and Intermodal Transportation emphasis. Guest speakers from Savannah and Atlanta intermodal logistics management communities. Students will research special topics in intermodal distribution. Field trips to area intermodal distribution facilities as practicable. Prerequisites: MKT 350, MKT 357.

MKT 464. AIR TRANSPORTATION
Provides a broad understanding of the components, participants, activities, characteristics, scope and economic significance of the aerospace industry and its major segments. Federal regulations and their impact on the marketing of air transportation services, passenger and cargo, will also be discussed. Students are introduced to the practical economics of airline operations and maintenance and the factors which affect profitability, and to the manner in which airlines interface with other modes of transportation. Prerequisite: MKT 350.

MKT 465-665. INTERNATIONAL MARKETING
World trade patterns. Management and marketing principles applicable to international business. Comparative marketing analysis of selected countries. Prerequisite: MKT 350.

MKT 470. MARKETING FOR NON-PROFIT ORGANIZATIONS
A survey of the field of marketing for non-profit organizations; including governmental organizations, mutual benefit organizations, and service organizations. Prerequisite: MKT 350.

MKT 596. SPECIAL PROBLEMS IN MARKETING
Independent study and research in selected areas of marketing under supervision of a member of the marketing faculty. Prerequisite: approval of the instructor and Department Chairperson.

MKT 599. INTERNSHIP IN MARKETING
A supervised work-study program in a limited number of selected business firms throughout the Southeast and nationally. Student interns will be permitted to undertake internships only with firms pre-approved by the Marketing faculty. An extensive report detailing the internship will be required. Prerequisite: Twenty hours of marketing coursework above MKT 255, and senior standing. Approval of both the supervising instructor and the Department Chairperson is also required.
COLLEGE OF EDUCATION

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PURPOSE AND FUNCTIONS
The College of Education was created in January of 1969 with the following purposes:

To aid in focusing the total college resources in the human and social advancement that improved education and recreation can bring to the Georgia Southern area.

To provide for the preparation of those who hold school positions in instruction, services, administration, and supervision.

To give guidance to the field practitioners in the further development of the education professions.

To create a center both for the study of education and for the dissemination of educational developments that will improve the public schools.

To provide greater opportunity for the school personnel preparation program to be academically strong, distinctively creative, geographically influential, and genuinely effective.

To maintain and give counsel regarding the program for preparation for each type of school work for which the institution wishes to prepare school personnel.

Programs are approved by the Georgia State Department of Education, the Southern Association of Colleges and Schools, and the National Council for Accreditation of Teacher Education.

The College of Education offers undergraduate and graduate programs to prepare personnel for work in public education. All programs to prepare personnel for work in public education are developed through the College of Education, administered by a dean. (For graduate programs, see the Graduate Catalog.)

TEACHER PREPARATION
At the undergraduate level, the teacher education programs lead toward the degree of Bachelor of Science in Education. Each teaching field program has been certified by the State Board of Education of Georgia and by the National Council for Accreditation of Teacher Education as an "approved" program.

The standard credential for teaching in the public schools in Georgia is the Teacher's Level Four Certificate. To qualify for this certificate one must complete the approved four-year curriculum for a specific school or teaching field and must be recommended by the College of Education.

Although a student is ordinarily expected to be graduated under the requirements of the catalog in effect at the time of his matriculation, certification requirements of the Georgia State Department of Education do change and, therefore, affect teacher education program requirements. For this reason, the program of study enabling a student to be eligible for a recommendation for certification may change.

ADVICEMENT
All students will complete the core curriculum. Each student in Education will be assigned to the Advisement Center in the College of Education for course planning and scheduling. In order to meet the requirements of the teaching field, professional education and certification, it is advisable for the student to declare an intention to prepare for teaching by the end of the sophomore year.

DEGREES AND MAJORS OFFERED
The College of Education offers undergraduate programs leading to the Bachelor of Science in Education degree and the Associate of Applied Science in Education. The undergraduate programs offered in the Bachelor of Science in Education degree are in the following areas:

ART
This major prepares students to teach art in grades K-12 and to receive the Georgia Level Four Art (K-12) Professional Certificate.

EARLY CHILDHOOD EDUCATION
This major prepares students to teach grades K-4 and to receive the Georgia Level Four Early Childhood (K-4) Professional Certificate.

FOREIGN LANGUAGE EDUCATION
This major prepares students to teach German, French, or Spanish in grades K-12 and to receive the Georgia Level Four (K-12) Certificate in French, German or Spanish.
HEALTH AND PHYSICAL EDUCATION
This major prepares students to teach in grades K-12 and to receive the Georgia Level Four Health and Physical Education (K-12) Professional Certificate.

MIDDLE GRADES EDUCATION
This major prepares students to teach in grades 4-8 and to receive the Georgia Level Four Middle Grades (4-8) Professional Certificate.

MUSIC EDUCATION
This major prepares students to teach music in grades K-12 and to receive the Georgia Level Four Music (K-12) Professional Certificate.

SECONDARY EDUCATION
This major prepares students to teach in a specific teaching area in grades 7-12. The teaching areas within Secondary Education are: Business, English, Home Economics, Industrial Arts, Mathematics, Science, Social Science, and Speech. Graduates are eligible to receive the Georgia Level Four (7-12) Professional Certificate.

SPECIAL EDUCATION FOR EXCEPTIONAL CHILDREN
This major prepares students to teach in grades K-12 and to receive the Georgia Level Four Special Education (K-12) Professional Certificate.

TRADE AND INDUSTRY
This major prepares students to teach vocational technical subjects in grades 7-12, as well as in post-secondary institutions.

ASSOCIATE DEGREE
The undergraduate program offered for the Associate in Applied Science in Education degree is designed for persons interested in becoming teacher aides. The 90-hour undergraduate program includes coursework and practicum experiences planned to develop a proficiency in working as an aide in the classroom setting.

CERTIFICATE ENDORSEMENT PROGRAMS
The College of Education offers the Driver Education, Gifted Education, English for Speakers of Other Languages (ESOL) and the Media Specialist endorsements which can be added to the Level Four Certificate. Course requirements for each of the areas are stated in the program description of this catalog.

BACHELOR OF SCIENCE IN EDUCATION DEGREE REQUIREMENTS
Requirements for the degree include fulfillment of the core curriculum, a teaching field with a minimum of 30 quarter hours at the junior/senior level, 30 to 45 quarter hours in professional education and seven quarter hours in health and physical education. At least half of the courses required in the teaching field must be taken at this institution. Neither correspondence nor extension credit may be used to satisfy professional education and content requirements.

In addition to these requirements, a student pursuing the Bachelor of Science in Education degree is required to:
1. Be admitted to the teacher education program
2. Have a grade of "C" or better on all courses in Area IV of the Core Curriculum, the teaching field and in professional education

ADMISSION TO THE TEACHER EDUCATION PROGRAM
In order to be recommended for certification, a student must complete the approved program in teacher education. Students must make formal application for admission to the teacher education program. The following criteria are required for admission to the baccalaureate-level program:
1. An adjusted grade point average of 2.5 or better on coursework done at GSU. (For transfer students, a grade point average of 2.5 on all credit hours attempted at other institutions plus those hours attempted at GSU is required. Additionally a GPA of 2.5 is required on all work attempted at GSU.)
2. Successful completion of the Regents' Testing Program
3. Grade of "C" or better in the Introduction to education course (FED 251)
4. A grade of "C" or better in at least 100 or 200 level courses in mathematics.
5. Demonstration of competence in use of oral and written language currently determined by: (1) subjective evaluation during FED 251 of speaking ability and (2) grade of "C" or above in English 151 and 152.
6. Sophomore standing or above.

ADMISSION TO STUDENT TEACHING

Student teaching is required in all teacher preparation programs at the undergraduate level. In order to participate in the student teaching program, a student must:
1. Be admitted to the teacher education program.
2. Have an adjusted cumulative GPA of at least 2.50 upon entering block as well as upon entering student teaching.
3. Make application to student teaching, in the winter quarter prior to the school year in which registration for the course occurs.
4. Meet admission requirements for student teaching no later than one quarter prior to enrollment for the course.
5. Have met the university and departmental prerequisites for majoring in the field.
6. Have a disciplinary record clear of any actions which might be a detriment to successful performance in the classroom.
7. Possess mental, emotional, and physical health compatible with the expectations of the profession.
8. Participate in the orientation to student teaching included as part of the various methods "blocks."
9. Complete the professional education program and courses in the teaching field with a grade of "C" or better. (Includes courses in Area IV of the Core Curriculum which are appropriate to the selected education major.

TEACHING CERTIFICATES

The programs offered by the College of Education at the graduate and undergraduate level are designed to prepare teachers and school administrative and supervisory personnel for several types of certificates including the Georgia Levels Four, Five and Six certificates for graduates who are holders of bachelor's and higher degrees.

The College of Education, in accordance with the regulations of the State Board of Education, provides courses for individuals who wish to reinstate expired certificates, add fields, and update certificates.

All graduates of the university who plan to teach in Georgia after graduation must file applications for teaching certificates on special forms. Students enrolled in student teaching are given an opportunity to make application at a prescribed time.

All candidates for a teaching certificate must have transcripts reviewed by the Office of the Dean and must be recommended to the State Department of Education for certification. Forms for this purpose are available in the Office of the Dean.

BACHELOR OF SCIENCE IN EDUCATION DEGREE PROGRAMS

ART MAJOR

This program requires the completion of a minimum of 190 quarter hours in required courses and approved electives and leads to the Bachelor of Science in Education degree and the Georgia Level Four Art (K-12) Professional Certificate.

General Requirements:
- Areas I, II and III of the core curriculum - 60 hours

Specific Requirements:
- Area IV - 30 hours
  - FED 251. Foundations of Education .......................... 5 hours
  - FED 260. Human Growth and Development ....................... 5 hours
  - ART 151. Drawing ........................................ 5 hours
  - ART 152. Two Dimensional Design .......................... 5 hours
  - ART 252. Three Dimensional Design .......................... 5 hours
  - Lower Division Art Elective .......................... 5 hours
  - Health and Physical Education:
    - HTH 131 and four hours of physical education activity courses .......................... 7 hours
  - Professional Education - 30 hours
EARLY CHILDHOOD
EDUCATION MAJOR

This program requires the completion of a minimum of 197 quarter hours in required courses and approved electives and leads to the Bachelor of Science in Education degree and the Georgia-Level Four Early Childhood (K-4) Certificate.

General Requirements:
- Areas I, II and III of the Core Curriculum - 60 hours

Specific Requirements:
- Area IV - 30 hours
  - FED 251. Foundations of Education - 5 hours
  - FED 260. Human Growth and Development - 5 hours
  - Advisor Approved Electives from Areas I, II, or III of the Core Curriculum - 20 hours

Ten hours from:
- *ART 370. Art for Children and Youth - 5 hours
- FCS 472. Children's Creative Activities - 5 hours
- **MUS 351. Music for Teachers: Early Childhood (K-4) - 5 hours
- EC 464. Creative Arts for Children - 5 hours
- EC 466. Integrating Children's Literature into the Early Childhood Curriculum - 5 hours

Special Education Course Required by State of Georgia H.B. 671
- EXC 450. Identification and Education of Exceptional Students in the Regular Classroom - 5 hours

* Must take ART 160 or ART 370.
** Must take MUS 152 or MUS 351.
HEALTH AND PHYSICAL EDUCATION MAJOR

This program requires the completion of a minimum of 206 quarter hours in required courses and approved electives and leads to the Bachelor of Science in Education degree and the Georgia Level Four Health and Physical Education (K-12) Professional Certificate.

General Requirements:
- Areas I, II and III of the core curriculum (refer to p. 86) - 60 hours

Specific Requirements for Health and Physical Education
- Area IV - 30 hours
  - FED 251. Foundations of Education 5 hours
  - FED 260. Human Growth and Development 5 hours
  - BIO 271. Anatomy and Psychology 5 hours
  - BIO 272. Anatomy and Psychology 5 hours
  - Advisor Approved Electives from Areas I, II, or III of the Core Curriculum 10 hours

Professional Education - 30 hours
- FED 361. Educational Psychology 5 hours
- EMS 393. Curriculum and Methods in Health and PE: K-12 10 hours
- EMS 491. Student Teaching 15 hours

Specialized Content for Teaching - 70 hours

Health Requirements (25 hours):
- HTH 350. Personal Health for Majors 5 hours
- HTH 451. Public Health 5 hours
- HTH 550. General Safety and First Aid 5 hours
- HTH 555. Organization and Materials of School Health Programs 5 hours
- HTH 557. Lifestyle Management 5 hours

Professional Physical Education (45 hours)
- PE 220. Dance and Aquatics 3 hours
- PE 231. Tumbling/Track and Field 3 hours
- PE 328. Theory of Sport Conditioning 2 hours
- PE 337. P.E. for Elementary School (K-4) 3 hours
- PE 338. P.E. for Middle School (4-8) 3 hours
- PE 339. P.E. for Secondary School (7-12) 3 hours
- PE 352. Foundations of PE 5 hours
- PE 354. Kinesiology 5 hours
- PE 536. Program Development 3 hours
- PE 555. Exercise Physiology 5 hours
- PE 558. Administration and Leadership in PE/Sppt 5 hours
- PE 561. Tests and Measurements 5 hours
- Coaching Techniques 6 hours

Service Classes (8 hours):
- Outdoor Education: PEA 293 1 hour
- Fitness: PEA 200-204 1 hour
- Individual and Dual 2 hours
- Team Sports 2 hours
- Rhythm/Dance 1 hour
- Tumbling: PEA 116 1 hour

Special Education Course Required by State of Georgia H.B. 671 - EXC 450. Identification and Education of Exceptional Students in the Regular Classroom 5 hours

MIDDLE GRADES EDUCATION MAJOR

This program requires the completion of a minimum of 194 quarter hours in required courses and approved electives and leads to the Bachelor of Science in Education degree and the Georgia Level Four Middle Grades (4-8) Professional Certificate.

General Requirements:
- Areas I, II, and III of the Core Curriculum - 60 hours

Specific Requirements:
- Area IV - 30 hours
  - FED 251. Foundations of Education 5 hours
  - FED 260. Human Growth and Development 5 hours
  - Advisor Approved Courses for the Selected Concentration from Areas I, II, or III of the Core Curriculum 20 hours

Health and Physical Education
- HTH 131 and four hours of physical education activity courses 7 hours

Professional Education - 35 hours
- FED 361. Educational Psychology 5 hours
- MG 451. Introduction to the Middle Grades 5 hours
- MG 452. Middle Grades Curriculum 5 hours
- MG 492. Practicum and Methods in the Middle Grades 5 hours
- MG 491. Student Teaching 15 hours

Specialized Content for Teaching 59 hours

Specific requirements for the Middle Grades program consist of (1) a core of required courses to provide breadth of preparation:
RDG 459. The Teaching of Reading .......................... 5 hours
MAT 530. Basic Ideas of Arithmetic ......................... 3 hours
MAT 531. Basic Ideas of Geometry .......................... 3 hours
EDT 430. Instructional Technology for Middle and Secondary School .......................... 3 hours
MG 455. Integrated Language Arts for the Middle Grades .................................. 5 hours
MG 457. Mathematics for the Middle Grades .................. 5 hours
MG 463. Science for the Middle Grades ....................... 5 hours
MG 453. Social Studies for the Middle Grades .................. 5 hours
MG 495. Health and Movement Concepts: MG ................. 5 hours
ART 370. Art for Children and Youth ......................... 5 hours
MUS 352. Music for Teachers: MG .......................... 5 hours

(2) a primary concentration consisting of a minimum of 35 hours in mathematics, language arts, science or social studies (ten hours of which must be upper division); and (3) a second concentration of 25 hours in music, art, physical education/health, mathematics, language arts, science, or social studies (ten hours of which must be upper division). COURSES TO BE USED IN THE CONCENTRATION AREAS MUST BE APPROVED BY THE STUDENT'S ADVISOR.

Special Education Course Required by State of Georgia H.B. 671 - EXC 450. Identification and Education of Exceptional Students in the Regular Classroom .......................... 5 hours

SECONDARY EDUCATION MAJORS

Business Education

This program requires the completion of a minimum of 194 quarter hours in required courses and approved electives and leads to the Bachelor of Science in Education degree and the Georgia Level Four Business Education (7-12) Professional Certificate.

General Requirements:
Areas I, II and III of the Core Curriculum - 60 hours

Specific Requirements:
Area IV - 30 hours
FED 251. Foundations of Education .......................... 5 hours
FED 260. Human Growth and Development .................. 5 hours
Advisor Approved Electives from Areas I, II, or III of the Core Curriculum .......................... 20 hours
Health and Physical Education
HPE 131 and four hours of physical education activity courses .......................... 7 hours
Professional Education - 33 hours
FED 361. Educational Psychology .............................. 5 hours
EDT 430. Instructional Technology for Middle and Secondary School .......................... 3 hours
SED 354. Methods for Teaching Business Subjects .................. 5 hours
SED 454. Secondary School Curriculum ........................ 5 hours
EDB 491. Student Teaching .......................... 15 hours
Specialized Content for Teaching - 53 hours
ACC 251. Principles of Accounting I .......................... 5 hours
ACC 252. Principles of Accounting II ......................... 5 hours
MKT 255. Business Communications .......................... 5 hours
EDB 251. Beginning Keyboarding .............................. 5 hours
EDB 351. Intermediate Keyboarding ........................... 5 hours
EDB 450. Word/Information Processing ........................ 5 hours
EDB 451. Office Procedures .......................... 5 hours
LST 352. Legal Environment of Business ........................ 5 hours
MAT 255. Intro to Statistics Using the Computer .............. 5 hours
VED 450. Trends in Career and Vocational Education .................. 5 hours
CIS 251. Introduction to Computer Information Systems ......... 5 hours
CSC 230. Introduction to Basic Programming ................ 3 hours
Upper division electives - 10 hours

Special Education Course Required by State of Georgia H.B. 671
EXC 450. Identification and Education of Exceptional Students in the Regular Classroom .......................... 5 hours
English
This program requires the completion of a minimum of 195 quarter hours in required courses and approved electives and leads to the Bachelor of Science in Education degree and the Georgia Level Four English Education (7-12) Professional Certificate. A student completing two units of a foreign language in high school will be required to take only ten hours of the language in the B.S.Ed. program; the ten hours must be above the 152 level.

General Requirements:
Areas I, II and III of the Core Curriculum - 60 hours

Specific Requirements:
Area IV - 30 hours
FED 251. Foundations of Education .......................... 5 hours
FED 260. Human Growth and Development .................. 5 hours
ENG 253. The Human Image in Literature of the Western World I ... 5 hours
Advisor Approved Electives from Areas I, II or III of the core curriculum ... 15 hours

Health and Physical Education
HPE 131 and four hours of physical education activity courses ....... 7 hours

Professional Education - 33 hours
FED 361. Educational Psychology 5 hours
SED 355. Methods for Teaching Secondary Language Arts ............... 5 hours
SED 454. Secondary School Curriculum ......................... 5 hours
EDT 430. Instructional Technology for Middle and Secondary Schools 3 hours
SED 491. Student Teaching ................................. 15 hours

Specialized Content for Teaching - 45 hours
ENG 351, 352. English Literature .................................. 10 hours
ENG 361, 362. American Literature ................................ 10 hours
ENG 571. Modern English Grammar ................................ 5 hours
ENG 452. History of the English Language ....................... 5 hours
ENG 573. Adolescent Literature .................................... 5 hours
ENGLISH Electives ............................................. 10 hours

Special Requirements ............................................ 20 hours
Foreign Language above the 152 level ................................ 10 hours
RDG 560. Reading Strategies for Middle and Secondary School ....... 5 hours
Special Education Course Required by State of Georgia H.B. 671

French
This program requires the completion of a minimum of 192 quarter hours in required courses and approved electives and leads to the Bachelor of Science in Education degree and the Georgia Level Four Foreign Language (French) (K-12) Professional Certificate.

General Requirements:
Areas I, II and III of the Core Curriculum - 60 hours

Specific Requirements:
Area IV - 30 hours
FED 251. Foundations of Education .......................... 5 hours
FED 260. Human Growth and Development .................. 5 hours
SOC 150. Introduction to Sociology or PSY 150. Introduction to Psychology ........................................ 5 hours
Advisor Approved Related Courses from Areas I, II or III of the Core Curriculum .................................. 10 hours

Health and Physical Education
HPE 131 and four hours of physical education activity courses ....... 7 hours

Professional Education - 30 hours
FED 361. Educational Psychology .............................. 5 hours
EMS 392. Curriculum and Methods in Foreign Language: K-12 ........ 10 hours
EMS 491. Student Teaching .................................... 15 hours
Specialized Content for Teaching - 50 hours
FRE 153. Elementary French I .................................. 5 hours
FRE 252. Intermediate French II ........................... 5 hours
FRE 353. French Civilization .................................. 5 hours

Thirty hours from:
300 and 400 level French courses ................................ 30 hours
FRE 458. Survey of French Literature I or FRE 459. Survey of French Literature II ...................................... 5 hours

Ten hours from:
Related Courses approved by advisor ................................ 10 hours

Special Education Course Required by State of Georgia H.B. 671
EXC 450. Identification and Education of Exceptional Students in the Regular Classroom .......................... 5 hours
German
This program requires the completion of a minimum of 192 quarter hours in required courses and approved electives and leads to the Bachelor of Science in Education degree and the Georgia Level Four Foreign Language (German) (K-12) Professional Certificate.

General Requirements:
Areas I, II and III of the Core Curriculum - 60 hours

Specific Requirements:
Area IV - 30 hours
FED 251. Foundations of Education .................. 5 hours
FED 260. Human Growth and Development ........... 5 hours
SOC 150. Introduction to Sociology or
PSY 150. Introduction to Psychology .................. 5 hours
Study In fine and/or applied arts ..................... 5 hours
Advisor Approved Related Courses from Areas I, II or III of the Core Curriculum ................. 10 hours

Health and Physical Education
HPE 131 and four hours of physical education activity courses ................ 7 hours

Professional Education - 30 hours
FED 361. Educational Psychology 5 hours
EMS 392. Curriculum and Methods in Foreign Language: K-12 .... 10 hours
EMS 491. Student Teaching .................. 15 hours
Specialized Content for Teaching - 50 hours
GER 153. Elementary German III .... 5 hours
GER 252. Intermediate German II 5 hours
Forty hours from:
300 and 400 level German courses .................. 40 hours

Ten hours from:
Related courses approved by advisor .................. 10 hours
Special Education Course Required by State of Georgia H.B. 671
EXC 450. Identification and Education of Exceptional Students in the Regular Classroom ........ 5 hours

Home Economics
This program requires the completion of a minimum of 194 quarter hours in required courses and approved electives and leads to the Bachelor of Science in Education degree and the Georgia Level Four Home Economics (7-12) Professional Certificate.

General Requirements:
Areas I, II and III of the Core Curriculum - 60 hours

Specific Requirements:
Area IV - 30 hours
FED 251. Foundations of Education .................. 5 hours
FED 260. Human Growth and Development ........... 5 hours
Advisor Approved Electives from Areas I, II or III of the Core Curriculum . 20 hours

Health and Physical Education
HPE 131 and four hours of physical education activity courses ................ 7 hours

Professional Education - 33 hours
FED 361. Educational Psychology 5 hours
SED 352. Methods for Teaching Home Economics ........ 5 hours
EDT 430. Instructional Technology for Middle and Secondary Schools .... 3 hours
SED 454. Secondary School Curriculum .................. 5 hours
SED 491. Student Teaching .................. 15 hours
Specialized Content for Teaching - 59 hours
TFM 168. Introductory Clothing .................. 5 hours
HEC 210. Perspectives in Home Economics ................ 1 hour
TFM 362. Advanced Clothing Construction .................. 5 hours
IDH 281. Home Planning and Furnishing .................. 5 hours
NFS 351. Nutrition .................. 5 hours
NFS 352. Meal Management .................. 5 hours
TFM 364. Textiles .................. 5 hours
TFM 362. Advanced Clothing Construction .................. 5 hours
HEC 385. Household Physics and Equipment ................ 5 hours
HEC 438. Resource Management - Theory ................ 3 hours
FCS 471. Child Development .................. 5 hours
FCS 474. Parenting: Family Child Interaction ................ 5 hours
HEC 486. Family Economics and Personal Finance ................ 5 hours

Special Education Course Required by State of Georgia H.B. 671
EXC 450. Identification and Education of Exceptional Students in the Regular Classroom ........ 5 hours
TECHNOLOGY EDUCATION
(Industrial Arts)
This program requires the completion of a minimum of 200 quarter hours in required courses and approved electives and leads to the Bachelor of Science in Education degree and the Georgia Level Four Technology Education (7-12) Professional Certificate.

General Requirements:
Areas I, II and III of the Core Curriculum - 60 hours

Specific Requirements:
Area IV .......................... 30 hours
FED 251. Foundations of Education ............... 5 hours
FED 260. Human Growth and Development .......... 5 hours
Advisor Approved Electives from Areas I, II or III of the Core ........ 20 hours

Health & Physical Education
HPE 131 and four hours of physical education activity courses .... 7 hours

Professional Education .......................... 38 hours
EDT 430. Instructional Technology for Middle & Secondary Schools .... 3 hours
EXC 450. Identification & Education of the EXC Student .............. 5 hours
FED 361. Education Psychology ...................... 5 hours
TED 450. Curriculum Content for Technology Education ............ 5 hours
TED 451. Methods for Teaching Technology Education .............. 5 hours
TED 491. Student Teaching .......................... 15 hours

Required Courses for Major .......................... 20 hours
MFG 150. The Manufacturing Enterprise .................. 5 hours
PM 250. Graphic Art Technology I .................... 5 hours
TD 130. Technical Drafting .......................... 3 hours
TD 220. Computer Drafting .......................... 2 hours
TED 250. Intro to Technology Educ ..... 5 hours

Specific Teaching Field .......................... 45 hours
IET 452. Intro to Robotics .......................... 5 hours
MFG 350. Industrial Processes & Materials .................. 5 hours
MFG 352. Metal Machining .......................... 5 hours
MFG 354. Energy/Power Systems ...................... 5 hours
MFG 356. Electrical Technology ...................... 5 hours
PM 356. Desktop Publishing .......................... 5 hours
TED 350. Lab Design, Management, Maintenance .................. 5 hours
TED 452. Materials & Methods of Construction .............. 5 hours
TED 457. General Technology for Technology Education Teachers ...... 5 hours

Mathematics
This program requires the completion of a minimum of 190 quarter hours in required courses and approved electives and leads to the Bachelor of Science in Education degree and the Georgia Level Four Mathematics (7-12) Professional Certificate.

General Requirements:
Areas I, II and III of the Core Curriculum - 60 hours

Specific Requirements:
Area IV - 30 hours
FED 251. Foundations of Education ...................... 5 hours
FED 260. Human Growth and Development .................. 5 hours
MAT 165. Analytic Geometry and Calculus I .................. 5 hours
MAT 167. Analytic Geometry and Calculus II .............. 5 hours
MAT 264. Calculus III .......................... 5 hours
Advisor Approved Electives from Areas I, II or III of the Core Curriculum .... 5 hours

Health and Physical Education
HPE 131 and four hours of physical education activity .............. 7 hours

Professional Education - 33 hours
FED 361. Educational Psychology ...................... 5 hours
SED 356. Methods for Teaching Mathematics .................. 5 hours
EDT 430. Instructional Technology for Middle and Secondary Schools .... 3 hours
SED 454. Secondary School Curriculum ...................... 5 hours
SED 491. Student Teaching .......................... 15 hours

Specialized Content for Teaching - 55 hours
MAT 220. Application of Linear Algebra .................. 2 hours
CSC 230. Introduction to BASIC Programming .............. 3 hours
MAT 265. Calculus IV .......................... 5 hours
MAT 320. Sets and Set Operation ...................... 2 hours
MAT 332. Introduction to Modern Algebra .................. 3 hours
MAT 334. Introduction to Linear Algebra .................. 3 hours
MAT 338. Introduction to Probability .................. 3 hours
MAT 374. College Geometry .......................... 5 hours
MAT 476. Statistical Methods .......................... 5 hours
MAT 556. Number Theory .......................... 5 hours
CSC 550. Advanced Programming in BASIC .................. 5 hours
Ten Hours of Mathematics
   Applications .................. 10 hours
Four Hours of General Electives . 4 hours
Special Education Course Required by State of Georgia H.B. 671
EXC 450. Identification and Education of Exceptional Students in the Regular Classroom ............... 5 hours

Science
This program requires the completion of a minimum of 205 quarter hours in required courses and approved electives and leads to the Bachelor of Science in Education degree and the Georgia Level Four Science (7-12) Professional Certification.
General Requirements:
Areas I, II and III of the Core Curriculum - 60 hours
Specific Requirements:
Area IV - 30 hours
   FED 251. Foundations of Education .................. 5 hours
   FED 260. Human Growth and Development .............. 5 hours
   SOC 150. Intro to Sociology or PSY 150. Intro to Psychology . 5 hours
   Study in fine and/or applied arts of music, crafts, general technology, art, speech, or theater .............. 5 hours
Advisor Approved Electives from Areas I, II, or III depending on the Science Emphasis .................. 10 hours
Health and Physical Education - 7 hours
   HPE 131 and four hours of physical education activity courses .... 7 hours
Professional Education - 33 hours
   FED 361. Educational Psychology .................. 5 hours
   SED 357. Methods for Teaching Science .............. 5 hours
   EDT 430. instructional Technology for Middle and Secondary Schools . 3 hours
   SED 454. Secondary School Curriculum .................. 5 hours
   SED 491. Student Teaching . 15 hours

Certification will be in secondary science with an emphasis in at least one science area. The four content areas are Biology, Chemistry, Earth-Space Science and Physics. The student must complete at least 50 quarter hours in one area and 15 quarter hours in each of two of the remaining areas. Statistics must be included.

Biology Emphasis
   BIO 151, 152. General Biology
   BIO 165. Man and His Environment
   BIO 281. General Zoology
   BIO 282. General Botany
   BIO 284. Microbiology
   BIO 370. Cell Structure and Function
   BIO 472. Genetics
   BIO 481. Animal Physiology or BIO 460. Plant Physiology
Biology: Additional courses to meet the minimum requirements of 50 quarter hours in Biology

Chemistry, Physics, Earth-Space Science: 15 quarter hours in each of two areas

Chemistry Emphasis
   CHE 151, 152. General Inorganic Chemistry or CHE 181, 182. General Chemistry
   CHE 183. General Organic Chemistry
   CHE 262. Quantitative Analysis
   CHE 380. Introduction to Biochemistry
Chemistry: Additional courses to meet the minimum requirements of 50 quarter hours in Chemistry

Biology, Physics, Earth-Space Science: 15 quarter hours in each of two areas

Earth-Space Science Emphasis
   GLY 151, 152. General Geology
   PHS 152. General Astronomy
   GLY 165. Principles of Environment Geology
   GGY 350. Physical Geography
   GLY 351. Elementary Crystallography and Mineralogy, or GLY 451 Invertebrate Paleontology, or GLY 561 Introduction to Micropalaeontology
   GGY 358. Conservation
   GGY 360. Weather and Climate
   GLY 555. Earth Science
   GLY 562. General Oceanography
   Biology, Chemistry, Physics: 15 quarter hours in each of two areas

Physics Emphasis
   PHY 251, 252, 253. General College Physics or PHY 261, 262, 263. General College Physics for Science, Engineering and Mathematics students
   PHY 556. Special Theory of Relativity
Specific Requirements:

and the minimum of Georgia special courses

General Requirements:

Area I, II and III of the Core Curriculum - 60 hours

Specific Requirements:

Area IV - 30 hours

FED 251. Foundations of Education .................. 5 hours
FED 260. Human Growth and Development .................. 5 hours
HIS 152 or 153. Development of Civilization ............. 5 hours
HIS 252. The United States to 1865

or

HIS 253. The United States

Since 1865 .................. 5 hours
ECO 260. Basic Economics .................. 5 hours
or Elective from Area III
GGY 250. World Regional Geography ............. 5 hours
Health and Physical Education

HTH 131 and four hours of physical education activity courses .................. 7 hours

Professional Education - 33 hours

FED 361. Educational Psychology .................. 5 hours
SED 358. Methods for Teaching
Social Science .................. 5 hours
EDT 430. Instructional Technology for Middle and Secondary Schools .................. 3 hours
SED 454. Secondary School Curriculum .................. 5 hours
SED 491. Student Teaching .................. 15 hours

Specialized Content for Teaching - 65 hours

5 hours from each of the following:

HIS 350, American History, Non-Western History

Social Science

This program requires the completion of a minimum of 200 quarter hours in required courses and approved electives and leads to the Bachelor of Science in Education degree and the Georgia Level Four Social Science (7-12) Professional Certificate.

General Requirements:

Areas I, II and III of the Core Curriculum - 60 hours

Specific Requirements:

Area IV - 30 hours

FED 251. Foundations of Education .................. 5 hours
FED 260. Human Growth and Development .................. 5 hours
HIS 152 or 153. Development of Civilization ............. 5 hours
HIS 252. The United States to 1865

or

HIS 253. The United States

Since 1865 .................. 5 hours
ECO 260. Basic Economics .................. 5 hours
or Elective from Area III
GGY 250. World Regional Geography ............. 5 hours
Health and Physical Education

HTH 131 and four hours of physical education activity courses .................. 7 hours

Professional Education - 33 hours

FED 361. Educational Psychology .................. 5 hours
SED 358. Methods for Teaching
Social Science .................. 5 hours
EDT 430. Instructional Technology for Middle and Secondary Schools .................. 3 hours
SED 454. Secondary School Curriculum .................. 5 hours
SED 491. Student Teaching .................. 15 hours

Specialized Content for Teaching - 65 hours

5 hours from each of the following:

HIS 350, American History, Non-Western History

Twenty Hours of upper division courses in history including HIS 462, unless ECO 260 has been taken .................. 20 hours
Ten additional hours selected from three of the following areas to supplement courses selected in areas III and IV. A total of 15 hours in three of these areas is required:

Economics, Geography, Political Science, Behavioral Science

Special Education Course Required by State of Georgia H.B. 671

EXC 450. Identification and Education of Exceptional Students in the Regular Classroom .................. 5 hours

Spanish

This program requires the completion of a minimum of 195 hours in required courses and approved electives and leads to the Bachelor of Science in Education degree and the Georgia Level Four Foreign Language (Spanish) (7-12) Professional Certificate.

General Requirements:

Areas I, II and III of the Core Curriculum - 60 hours

Specific Requirements:

Area IV - 30 hours

FED 251. Foundations of Education .................. 5 hours
FED 260. Human Growth and Development .................. 5 hours
SOC 150. Intro to Sociology

or

PSY 150. Intro to Psychology .................. 5 hours
Study in fine and/or applied arts .................. 5 hours
Advisor Approved Related Courses from Areas I, II, or III of the Core
Curriculum .................. 10 hours

Health and Physical Education

HPE 131 and four hours of physical education activity courses .................. 7 hours

Professional Education - 30 hours

FED 361. Educational Psychology .................. 5 hours
EMS 392. Curriculum and Methods in Foreign Language: K-12 .................. 10 hours
EMS 491. Student Teaching .................. 15 hours

Specialized Content for Teaching - 50 hours

SPA 153. Elementary Spanish III .................. 5 hours
SPA 252. Intermediate Spanish II .................. 5 hours

Forty hours from:

300 and 400 level Spanish courses .................. 40 hours

Ten hours from:

Related courses approved by advisor .................. 10 hours
College of Education

Special Education Course Required by State of Georgia H.B. 671
EXC 450. Identification and Education of Exceptional Students in the Regular Classroom ......................... 5 hours

Speech
This program requires the completion of a minimum of 193 quarter hours in required courses and approved electives and leads to the Bachelor of Science in Education degree and the Georgia Level Four Speech (7-12) Professional Certificate.

General Requirements:
Areas I, II and III of the Core Curriculum - 60 hours

Specific Requirements:
Area IV - 30 hours
FED 251. Foundations of Education .......................... 5 hours
FED 260. Human Growth and Development .................. 5 hours
CAT 257. Introduction to Theatre.
CAS 251. Fundamentals of Public Speaking
CA 252. Introduction to Human Communication
Advisor Approved Electives from Areas I, II or III of the Core Curriculum ... 5 hours

Health and Physical Education
HPE 131 and four hours of physical education activity courses ........... 7 hours
Professional Education - 33 hours
FED 361. Educational Psychology ................................ 5 hours
SED 355. Methods for Teaching Secondary Language Arts .... 5 hours
EDT 430. Instructional Technology for Middle and Secondary Schools ... 3 hours
SED 454. Secondary School Curriculum .......................... 5 hours

SED 491. Student Teaching ........................................ 15 hours
Specialized Content for Teaching - 50 hours
RDG 560. Reading Strategies for Middle and Secondary Schools .... 5 hours
CAT 131. Stagecraft ............................................. 3 hours
CAS 342. Discussion ............................................ 4 hours
CAS 254. Voice and Diction ...................................... 5 hours
CAT 336. Play Directing .......................................... 3 hours
CAS 341. Oral Interpretation ..................................... 4 hours
CAS 343. Argumentation and Debate ................................ 4 hours
CAS 444. Communication Theory .................................. 4 hours
CAS 443. Semantics ............................................. 4 hours
Practicum (CAT, CAB, CAS) ................................... 5 hours

Electives in Communication Arts . 9 hours
Electives ......................................................... 8 hours

Special Education Course Required by State of Georgia H.B. 671
EXC 450. Identification and Education of Exceptional Students in the Regular Classroom ......................... 5 hours

Special Education For Exceptional Children Major
This program requires a minimum of 190 quarter hours in required courses and approved electives and leads to the Bachelor of Science in Education degree and the Georgia Level Four Exceptional Child (K-12) Professional Certificate.

General Requirements:
Areas I, II and III of the Core Curriculum - 60 hours

Specific Requirements:
Area IV - 30 hours
FED 251. Foundations of Education .......................... 5 hours
FED 260. Human Growth and Development .................. 5 hours
Advisor Approved Electives from Areas I, II or III of the Core Curriculum ... 20 hours

Health and Physical Education - 7 hours
HPE 131 and four hours of physical education activity courses ........... 7 hours
Professional Education ................................. 28 hours
FED 361. Educational Psychology ................................ 5 hours
RDG 459. The Theory of Reading ............................... 5 hours
RDG 430. Practicum in Teaching Reading ..................... 3 hours
EXC 491. Student Teaching in Special Education ............... 15 hours

Specialized Content for Teaching - 50 hours
EXC 450. Indent./Educ. of EXC Students in the Regular Classroom .... 5 hours
EXC 453. Nature of Intellectual Disability ......................... 5 hours
EXC 454. Language Development of EXC Children ............... 5 hours
EXC 457. Differential Educational Diagnosis I ..................... 5 hours
EXC 468. Classroom Behavior Management ....................... 5 hours
EXC 452. Approaches and Methods of Teaching the Intellectually Disabled ........................................ 5 hours
EXC 456. Approaches and Methods of Teaching the Secondary Intellectually disabled ..................................... 5 hours
EXC 478. Communicating w/Parents of EXC
Children ........................ 5 hours
EXC 470. EXC Child Practicum I 5 hours
EXC 471. Clinical Practicum ... 5 hours
Electives Approved by Advisor ... 15 hours

TRADE AND INDUSTRY MAJOR
HEALTH OCCUPATIONS EMPHASIS
TECHNOLOGY EMPHASIS
This program requires the completion of a minimum of 190 hours in required courses and approved electives and leads to the Bachelor of Science in Education degree and the Georgia Level Four Trade and Industry Professional Certificate. There are two emphases within the Trade and Industry major - health occupations and technology. Each emphasis area prepares students to teach in secondary and post-secondary institutions. A great deal of flexibility exists within both emphases so that needs of individual students and hiring institutions can be considered.

General Requirements:
Areas I, II and III of the core curriculum - 60 hours

Specific Requirements:
Area IV - 30 hours
FED 251. Foundations of Education ....................... 5 hours
FED 260. Human Growth and Development ................ 5 hours
Advisor Approved Electives from Areas I, II or III of the Core Curriculum 20 hours
Health and Physical Education - 7 hours
HPE 131 and four hours of physical education activity courses 7 hours
Professional Education - 33 hours
FED 361. Educational Psychology .......................... 5 hours
SED 350. Methods for Teaching Trades and Industry 5 hours
EDT 430. Instructional Technology for Middle and Secondary Schools 3 hours
SED 454. Secondary School Curriculum ........................ 5 hours
TIE 491. Student Teaching .................................. 15 hours
Specialized Content for Teaching - 55 hours*
Thirty hours from:
TIE 450. Seminar in Teaching Trade and Industrial Education 5 hours
TIE 451. History and Policies of Trade and Industrial Education 5 hours
TIE 452. Organization and Management of Trade and Industrial Education Facilities 5 hours
TIE 453. Curriculum Content of Trade and Industrial Education 5 hours
TIE 460. Open-Entry for New Vocational Teachers 5 hours
TIE 461. Introduction to Teaching Trade and Industrial Subjects 5 hours
TIE 462. Instructional Strategies and Management Techniques in Trade and Industrial Education 5 hours
TIE 463. Internship for New Vocational Teachers 5 hours
TIE 464. Advanced New Teacher Institute 5 hours
VED 450. Trends in Career and Vocational Education 5 hours
VED 453. School Shop Safety 5 hours
VED 551. Cooperative Vocational Education Programs 5 hours
SED 451. Individualizing Instruction ........................ 5 hours
Supervised Work Experience (Health Occupations Emphasis)
Supervised Work Experience (Trade and Industry Emphasis)
VED 491. Five hours each quarter for three quarters or two years of approved work experience related to trade and industry equaling 4000 work hours 15 hours
Specialized Subject Matter - 25 hours
Twenty-five hours from advisor approved vocational or technical courses. Courses will fulfill the requirements of the specialized teaching areas and of the technical science.

Special Education Course Required by State of Georgia H.B. 671 - 5 hours
EXC 450. Identification and Education of Exceptional Students in the Regular Classroom 5 hours
* Courses listed in Specialized Content for Teaching may be substituted in specialized subject areas when approved by advisor.

DRIVER EDUCATION ENDORSEMENT
One who wishes to have the certificate endorsement for teaching driver education in the public schools should take:
HTH 550. General Safety and First Aid 5 hours
HTH 551. Introduction to Driver and Traffic Safety 5 hours
ASSOCIATE OF APPLIED SCIENCE IN EDUCATION

DEGREE PROGRAM

The purpose of the associate degree is to give persons engaged in the educational process an opportunity to become more informed about the fundamentals of their education. Most courses required may be used in meeting requirements for a BSEd. A student may transfer up to 35 hours into the program from an approved college or university. The student must satisfy the Georgia legislative requirement but does not have to fulfill the Regents Test requirement.

Area I - Humanities and Fine Arts

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
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<tbody>
<tr>
<td>English 151, 152</td>
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</tr>
<tr>
<td>Speech 251</td>
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<td>Total</td>
<td>15</td>
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Area II - Mathematics and the Natural Sciences

<table>
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<tr>
<th>Course</th>
<th>Hours</th>
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</thead>
<tbody>
<tr>
<td>Mathematics</td>
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</tbody>
</table>

Ten hours science sequence (lab or non-lab) ................. 10 hours
Total ................................................................... 15 hours

Area III - Social Science from:

<table>
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<th>Course</th>
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<tr>
<td>Political Science 250</td>
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<tr>
<td>Sociology 150</td>
<td>5</td>
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<td>Psychology 150</td>
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<tr>
<td>Anthropology 151</td>
<td>5</td>
</tr>
<tr>
<td>Total</td>
<td>15</td>
</tr>
</tbody>
</table>

Area IV - Courses appropriate to the student's major, work experience credit or practicum courses up to 15 hours under previously established practicums and competency examination.

Total ................................................................... 15 hours

The remaining courses must be in the student's concentrated area of training and approved by the advisor.

Total ................................................................... 30 hours

TOTAL .................................................................... 90 hours

COURSE DESCRIPTIONS

SCHOOL OF EDUCATION

Dr. Jack Miller, Dean

The course offerings in the College of Education are presented through five departments.

DEPARTMENT OF EARLY CHILDHOOD EDUCATION AND READING

B. Stratton, Chair
Professor: C. Bonds, M. McKenna, J. Miller
Associate Professors: M. Grindler, A. Hosticka, J. Rakestraw, M. Moore, D. Sida, B. Stratton
Assistant Professors: J. Barta, C. Brewton, B. Come, J. Greenway, A. Heaston, J. Kent

Early Childhood Education (EC)

EC 291. INTRODUCTION TO INDIVIDUALIZING CONTENT FOR THE ELEMENTARY SCHOOL

The course is designed for para-professionals or other students working at the undergraduate level to establish Elementary Education or Early Childhood Education as a teaching field. Instructional and supervisory strategies will be adapted to helping the student develop and/or strengthen basic skills in individualizing instruction for elementary school pupils.
EC 453. EARLY CHILDHOOD SOCIAL STUDIES
This course is designed to prepare students for teaching social studies in grades K-4. The goals and definitions related to the early childhood social studies program will be considered. The content of early childhood social studies will be reviewed. Students will become acquainted with appropriate teaching methods, materials, and organizational techniques for providing children with successful learning experiences in social studies. Prerequisites: EC 460 and admission into Teacher Education.

EC 451. SPECIAL TOPICS IN ELEMENTARY EDUCATION
This course is designed to promote specialized training appropriate to the needs of in-service school personnel. Attention will be given to a range of specific problems as they reach special significance in local school systems.

EC 454. KINDERGARTEN AND PRESCHOOL INSTRUCTION
This course is designed to provide the preservice teacher with experiences in the kindergarten setting. Students will observe children in a learning situation and plan and teach lessons in those classrooms under the guided supervision and with the evaluative processes of the college staff member and the classroom teacher. Prerequisites: EC 460 and admission into Teacher Education, Senior standing or permission.

EC 455. LANGUAGE ARTS FOR THE YOUNG CHILD
This course is designed to explore materials and methods of teaching language arts in the early childhood classroom consistent with theories of growth and development. Special attention is given to nature and functions of language and to providing special instruction to the "linguistically different" child. Prerequisites: EC 460 and admission into Teacher Education.

EC 457. MATHEMATICS APPROACHES FOR YOUNG CHILDREN
A study of the role of mathematics in the education of elementary school children, with emphasis on the understanding of curriculum content, current trends in teaching, use of appropriate teaching materials, planning for instruction and evaluation of instruction. This course is designed to give the prospective teacher understanding of how children learn mathematics and have at his/her disposal methods which will facilitate this process for each child. Prerequisites: EC 460 and admission into Teacher Education.

EC 460. EARLY CHILDHOOD CURRICULUM
This introductory course acquaints students with the components of the early childhood education (K-4) curriculum and current practices in the elementary school. Emphasis is placed on how schools might implement a developmentally appropriate program for grades K-4 that includes all curriculum areas. The goals and philosophies of educational programs for young children are discussed. The ability to write instructional objectives and lesson plans is developed. Attention will be given as to how the goals and the objectives of an educational program influence the curriculum and the organizational patterns of classrooms. Prerequisites: FED 251 and FED 260.

EC 463. SCIENCE IN THE ELEMENTARY SCHOOL
Methods of teaching science in the elementary school are presented. This includes activities that foster: development of the process skills, integration of the use of the computer in the science classroom, familiarity with current science resources, familiarity with models of instruction, awareness of various curriculum content areas designated by national, state and local groups, and the importance of science in social and environmental issues. Prerequisites: EC 460 and admission into Teacher Education.

EC 464. CREATIVE ARTS FOR CHILDREN
This course combines elements of the fine arts - music, art and drama - to provide teachers of grades K-8 with a cumulative sequence of experiences that will foster continuous growth in their understanding, skills and knowledge. Appropriate methods and materials will be emphasized for teaching specific learning in each of these areas. Prerequisites: EC 460 and admission into Teacher Education.

EC 466. INTEGRATING CHILDREN'S LITERATURE INTO THE EARLY CHILDHOOD CURRICULUM
This course is designed for the preservice and/or in-service teacher who has not taken previously a course in children's literature. Focus include becoming acquainted with the selection of literature, print and non-print, incorporating literature into the curriculum and guiding children's reading for a lifetime habit. Prerequisites: EC 460 and admission into Teacher Education.
THE EARLY CHILDHOOD BLOCK:
Early childhood (K-4) majors are required to schedule a block of thirteen hours concurrently:
EC 461, EC 462, EC 437. Prerequisites: EC 460, admission to Teacher Education and senior standing or permission.
EC 461. EARLY CHILDHOOD METHODS
One of three courses included in the "Early Childhood Block," the course is organized to facilitate the study of techniques of teaching appropriate for young children. A major emphasis is the planning of a portfolio teaching unit. Prerequisites: EC 460 and Admission into Teacher Education, senior standing or permission.
EC 462. SENIOR SEMINAR
This course is designed to provide early childhood education majors an overview of the principles of classroom organization and management, assessment in the primary grades, and school law for the practitioner. It is one of three courses in the "Early Childhood Block." Prerequisites: EC 460 and Admission into Teacher Education, senior standing or permission.
EC 437. LABORATORY SCHOOL PARTICIPATION
This course which is part of the "Early Childhood Block," is designed to provide early childhood education majors with observation, planning, teaching and evaluation experiences in a classroom setting. Prerequisites: EC 460 and Admission into Teacher Education, senior standing or permission.
EC 491: STUDENT TEACHING
Student Teaching is a period of guided teaching during which the student, under the direction of a cooperating teacher, takes increasing responsibility for leading the school experiences of a given group of learners over a period of consecutive weeks and engages more or less directly in many of the activities which constitute the wide range of a teacher's assigned responsibilities. Prerequisites: Completion of teaching field and admission to student teaching.

Reading (RDG)
RDG 459. THE TEACHING OF READING
An overview of the basic program of reading instruction in the elementary school. Considers the stages of a child's reading development, teaching techniques, and organization for instruction. Prerequisites: EC 460 and admission into Teacher Education.
RDG 430. PRACTICUM IN TEACHING READING
This course is designed to provide early childhood education majors observation and actual teaching experience in a supervised classroom setting. Prerequisites: EC 460 and admission into Teacher Education; concurrent enrollment in RDG 459.
RDG 550. THE READING PROGRAM IN THE SCHOOLS
A study of the range of reading programs in the schools, grades 1-12, encompassing developmental, remedial, corrective and adaptive programs as well as programs for the disadvantaged. Methods and materials of reading instruction are studied (including techniques for classroom management).
RDG 552. DIAGNOSIS AND CORRECTION OF READING DIFFICULTIES
A study of the diagnosis and remediation of reading difficulties in the upper elementary and junior high grades. Provides practical experiences in the use of diagnostic techniques and remedial procedures involving pupils with reading difficulties. Prerequisite: Approval of instructor.
RDG 553. MATERIALS IN THE TEACHING OF READING
A wide variety of materials are examined including series, labs, machines, games, computer software and teacher-made materials. Diagnostic and evaluative materials are considered. Prerequisite: Approval of instructor.
RDG 560. MIDDLE AND SECONDARY SCHOOL READING STRATEGIES
This course addresses the development of reading skills needed by students in grades 4-12. Instructional strategies are presented designed to help students transfer reading skills into content subjects.

DEPARTMENT OF EDUCATIONAL FOUNDATIONS AND CURRICULUM
J. Page, Chair
Professors: J. Page
Associate Professors: D. Battle, G. Gaston, D. Rea
Assistant Professors: K. Cruikshank, B. Deever, M. Griffin, R. Warkentin
FOUNDATIONS OF EDUCATION (FED)
FED 251. FOUNDATIONS OF EDUCATION
First course in the professional sequence; required of all who plan to teach. The course affords opportunity for the prospective teacher to examine information concerning the teaching profession as well as the philosophic, sociological and historical foundations of teaching. Sophomore standing required. Double period for participation required.
FED 260. HUMAN GROWTH AND DEVELOPMENT
Provides an introduction to the study of growth and development of the person from conception through adolescence. Emphasis is placed on physical, social/personality, emotional, intellectual and moral development and the relationship of these aspects of development to learning and achievement in school classrooms.
FED 361. EDUCATION PSYCHOLOGY: TEACHING AND LEARNING IN CLASSROOMS
Students examine psychological principles of learning, cognition, motivation, behavior, and the practical implications of these principles for teaching and learning. The development of skills to interpret behavior and classroom interaction within a framework of psychological theory will be a major feature. Prerequisite: Junior standing is required. Students must have completed FED 251 and FED 260.
FED 351. DEVELOPMENT AND LEARNING IN THE YOUNG CHILD
The growth, development, and learning of young children are studied in this course. Particular emphasis is placed upon factors that influence early development and learning in children. Educational practices are evaluated in terms of their effects upon the development of children. Laboratory, three times per week.
FED 352. EDUCATIONAL PSYCHOLOGY
Develops understanding of the application of the principles of learning to school situations. Particular emphasis is given to motivation, discipline, individual differences and evaluation. Prerequisite: EDL 251, junior standing.
FED 453. DEVELOPMENT AND LEARNING IN THE MIDDLE GRADES
The study of the growth and development of children from pre-school through adolescence. Major emphasis will be placed on understanding the nature, diversity and curricular needs of middle childhood and early adolescence (Grades 4-8) within a broader context of development.
FED 454. LEARNING AND DEVELOPMENT
Provides for a coordinated study of educational psychology and human growth and development for those who will teach pupils in grades 1-12. Prerequisite: EDL 251, senior standing, and admission to teacher education. Laboratory, four hours per week.
FED 551. ADOLESCENT PSYCHOLOGY
A study of the growth and development, adjustment, and capacities during the change from the period of childhood into adulthood and the resultant physical, mental, social, emotional and commutative growth and development and its implication for guiding an adolescent toward a more wholesome realization of his potential.
FED 563. COMPARATIVE EDUCATIONAL THOUGHT
Description and analysis of the manner in which education is arranged and conducted in other nations. Emphasis is on the differences and similarities of various educational systems and on the relation of educational processes to cultural, economic, and political life. The comparisons are the basis for deciding what can and can not be incorporated into our own educational systems.
FED 591. SPECIAL TOPICS IN FOUNDATIONS OF EDUCATION
Group study of selected topics in educational foundations or curriculum.

DEPARTMENT OF EDUCATIONAL LEADERSHIP, TECHNOLOGY AND RESEARCH
R. Davison, Chair
Professors: R. Davison, M. Katz, H. Pool
Associate Professors: J. Bennett, F. Brocato, S. Jenkins
Assistant Professors: K. Clark, E. Downs
EDT 430. INSTRUCTIONAL TECHNOLOGY FOR MIDDLE AND SECONDARY SCHOOLS
An introduction to the effective uses of instructional technology. Students will select, produce, and utilize media materials for planned teaching units. The course will correlate with middle grades and secondary education pre-service experiences.
EDT 450. INTRODUCTION TO INSTRUCTIONAL TECHNOLOGY
This course introduces students to computers, video, and other audio-visual media as tools of instruction in the classroom. A systematic approach to selecting, producing, and utilizing various instructional technologies will be taught.
EDT 453. REFERENCE AND INFORMATION SOURCES
Designed to provide a working knowledge of standard reference works and associated information technology.

EDT 462. PRODUCTION OF INSTRUCTIONAL MEDIA
Basic techniques are provided through direct laboratory experiences in the design and preparation of instructional materials. Experiences include mechanical and electronic technologies.

EDT 471. CLASSIFICATION AND CATALOGING
Study of the principles of organizing and cataloging the collection of book and non-book materials. Includes the use of technology in the cataloging and processing phases.

EDT 473. ORGANIZATION AND ADMINISTRATION OF THE SCHOOL MEDIA PROGRAM
An introduction to the functions of the school media center and the role of the school media specialist. Topics include program planning and development, budgeting, supervision, and public relations.

EDT 483. LOGO
This course involves hands-on experience in programming in the LOGO computer language, a language developed as a vehicle for children, enabling them to learn about computer programming, problem-solving, and other areas of "formal knowledge." Participants will learn the LOGO language and some of its applications in the classroom. The educational uses of the LOGO language are emphasized. Prerequisite: EDT 580; or permission of instructor.

EDT 489. COMPUTERS IN THE CONTENT AREAS
A course devoted to using the computer as an "Instructional tool" in the classroom. Prerequisite: EDT 580; or permission of instructor.

EDT 490. INTERNSHIP IN EDUCATIONAL TECHNOLOGY
The course will provide, through direct field experience, an opportunity for students to become familiar with specific functions of the media technology program. Prerequisite: Permission of Department.

EDT 550. SELECTION AND USE OF INSTRUCTIONAL MEDIA
Covers applications of instructional media and technology to the teaching-learning process. An emphasis is placed on the systematic approach to the design of instruction and the communicative uses of media and technology.

EDT 580. INTRODUCTION TO THE USES OF COMPUTERS IN EDUCATION
An introduction to the use of the computer in the instructional process. The course focuses on the use of the computer as a medium of instruction and is designed to meet the needs of pre-service teachers. No previous knowledge of computers is necessary.

EDT 591. SPECIAL TOPICS IN EDUCATIONAL TECHNOLOGY
This course is designed to promote specialized training appropriate to the needs of inservice personnel. Attention will be given to a range of specific problems as they reach special significance in local school systems.

DEPARTMENT OF MIDDLE GRADES AND SECONDARY EDUCATION
R. Sheppard, Chair
Professor: P. Bishop, F. Page, R. Sheppard, J. Strickland, J. Van Deusen
Associate Professors: M. Allen, B. ElLaissi, Assistant Professors: M. Schrizer, J. Stephens, C. Stewart, D. Thomas

K-12 (EMS)
EMS 391. CURRICULUM AND METHODS IN ART: K-12
A study of various curriculum trends and methods for teaching art at the early childhood, middle grades, and secondary school levels. Opportunities will be provided for observing, planning and teaching in the early grades, middle grades and secondary school levels. Prerequisites: FED 251, FED 260, FED 361, Admission to Teacher Education.

EMS 392. CURRICULUM AND METHODS IN FOREIGN LANGUAGE: K-12
A study of various curriculum trends and methods for teaching foreign language at the early childhood, middle grades, and secondary school levels. Opportunities will be provided for observing, planning and teaching in the early grades, middle grades and secondary schools. Prerequisites: FED 251, FED 260, FED 361, Admission to Teacher Education.

EMS 393. CURRICULUM AND METHODS IN HEALTH AND PE: K-12
A study of various curriculum trends and methods for teaching health and physical education at the early childhood, middle grades, and secondary school levels. Opportunities will be
provided in observing, planning, and teaching health in the early grades, middle grades and secondary schools. A field component in physical education will also be provided in a public school classroom. Prerequisites: FED 251, FED 260, FED 361, Admission to Teacher Education. EMS 394. CURRICULUM AND METHODS IN MUSIC: K-12
A study of various curriculum trends and methods for teaching music at the early childhood, middle grades, and secondary levels. Opportunities will be provided for observing, planning and teaching in the early grades, middle grades, and secondary school classrooms. Prerequisites: FED 251, FED 260, FED 361, Admission to Teacher Education.
EMS 491. STUDENT TEACHING
Student teaching is a period of guided teaching during which the student, under the direction of a cooperating teacher, takes increasing responsibility for leading the school experiences of a given group of learners over a period of consecutive weeks and engages more or less directly in many of the activities which constitute the wide range of a teacher's assigned responsibilities. Prerequisites: Completion of teaching field, completion of methods and curriculum, Admission to Teacher Education, and Admission to Student Teaching.
EMS 591. SPECIAL TOPICS IN K-12 PROGRAMS
The student, under the direction of the instructor, will identify and develop topics relevant to the teaching of art, foreign languages, music or health and physical education. Ample flexibility will be provided regarding instruction and evaluation of course content.

Middle Grades (MG)
MG 450. LITERATURE AND WRITING FOR THE MIDDLE GRADES
An in-depth study of appropriate literature and language concepts for the middle grades. Emphasis will be placed on the connections between composition, language and literature in grades 4-8. A field-based component will be arranged. Prerequisites: FED 251, FED 260, MG 451, MG 452.
MG 451. INTRODUCTION TO THE MIDDLE GRADES
An introduction to the middle school concept with emphasis on the social, emotional, physical and intellectual development of the early adolescent. Structured observations and interactions with middle school students will be arranged. Prerequisites: FED 251, FED 260, MG 451, MG 452. MG 452. MIDDLE GRADES CURRICULUM
A study of the organization, curriculum and instruction patterns present in the middle grades, with emphasis on the growth and development needs of early adolescents. Topics will include foundation issues, school organization patterns, teacher roles, instructional delivery systems and special programs for early adolescents. A field-based component will be arranged. Prerequisites: FED 251, FED 260.
MG 453. SOCIAL STUDIES FOR THE MIDDLE GRADES
A study of the role of social studies in the education of early adolescents, with emphasis on understanding the historical and philosophical foundations of social studies, curriculum organizations, planning and evaluation of instruction, social studies techniques and materials appropriate for early adolescent learners and current trends in social studies. A field-based component will be arranged. Prerequisites: FED 251, FED 260, MG 451, MG 452, and Admission to Teacher Education.
MG 455. INTEGRATED LANGUAGE ARTS FOR THE MIDDLE GRADES
A study of integrating reading and writing across the curriculum in the middle grades. A field-based component will be arranged. Prerequisites: FED 251, FED 260, MG 451, MG 452, and Admission to Teacher Education.
MG 457. MATHEMATICS FOR THE MIDDLE GRADES
A study of content, teaching methods, materials, and trends in middle grades mathematics. Content areas in mathematics include: addition, subtraction, multiplication, and division algorithms; geometry; fractions; decimals and percent; measurement and data analysis; special topics such as calculators, computers and problem solving. A field-based component will be arranged. Prerequisites: FED 251, FED 260, MG 451, MG 452, and Admission to Teacher Education.
MG 463. SCIENCE FOR THE MIDDLE GRADES
An overview of the basic program of science instruction in the middle grades. Considers child development and needs, trends in science instruction, teaching techniques and organization for instruction. Emphasis will be placed on knowledge of scientific concepts and principles and their application in technology and society. A field-based component will be arranged. Prerequisites: FED 251, FED 260, MG 451, MG 452, and Admission to Teacher Education.
MG 491. STUDENT TEACHING
Student teaching is a period of guided teaching during which the student, under the direction of a cooperating teacher, takes increasing responsibility for leading the school experiences of a given group of learners over a period of consecutive weeks and engages more or less directly in many of the activities which constitute the wide range of a teacher’s assigned responsibilities. Prerequisites: Completion of teaching field, MG 492, Admission to Teacher Education, and Admission to Student Teaching.

MG 492. PRACTICUM AND METHODS IN THE MIDDLE GRADES
A field-based course designed to explore, develop, and implement appropriate methods for the development of the early adolescent. Students will experience interdisciplinary team planning and teaching, as well as special planning and teaching in the selected concentration areas. Prerequisites: Completion of teaching field methods courses, FED 251, FED 260, MG 451, MG 452, Admission to Teacher Education.

MG 493. ART WORKSHOP FOR THE MIDDLE GRADES
A workshop that provides a variety of experiences in art as part of the total middle grades program. A field-based component will be arranged. Prerequisites: FED 251, FED 260, MG 451, MG 452.

MG 495. HEALTH AND MOVEMENT CONCEPTS: MIDDLE GRADES
A study of the unique and changing physical characteristics of the early adolescent, especially the impact of these changes on the social and emotional development of each child. Special focus on the relationship of the student’s physical characteristics to the total school curriculum. Emphasis will be placed on appropriate curriculum materials and teaching strategies for the instruction of health and physical education. A field-based component will be arranged. Restricted to Middle Grade majors. Prerequisites: FED 251, FED 260, MG 451, MG 452.

MG 591. SPECIAL TOPICS IN MIDDLE GRADES
A study of current trends and issues in middle grades education. The focus of the course will be tailored to meet the needs of pre-service teachers.

Secondary Education (SED)

SED 350. METHODS FOR TEACHING TRADES AND INDUSTRIES
An introduction to various methods and materials for teaching trades and industries in the secondary school. A field-based component will be arranged. Prerequisites: FED 251, FED 260.

SED 352. METHODS FOR TEACHING HOME ECONOMICS
An introduction to various methods and materials for teaching home economics in the secondary school. A field-based component will be arranged. Prerequisites: FED 251, FED 260.

SED 353. METHODS FOR TEACHING INDUSTRIAL ARTS
An introduction to various methods and materials for teaching industrial arts in the secondary school. A field-based component will be arranged. Prerequisites: FED 251, FED 260.

SED 354. METHODS FOR TEACHING BUSINESS SUBJECTS
An introduction to various methods and materials for teaching business subjects in the secondary school. A field-based component will be arranged. Prerequisites: FED 251, FED 260.

SED 355. METHODS FOR TEACHING SECONDARY LANGUAGE ARTS
A study of methods and materials appropriate in teaching composition, literature, and oral expression in the secondary school English program. Emphasis will be placed on the writing process, teaching grammar through writing, and literature for grades 7-12. A field-based component will be arranged. Prerequisites: FED 251, FED 260.

SED 356. METHODS FOR TEACHING MATHEMATICS
A study of teaching methods and materials, curriculum content and trends in secondary school mathematics. A field-based component will be arranged. Prerequisites: FED 251, FED 260.

SED 357. METHODS FOR TEACHING SCIENCE
This course is designed to assist students in understanding the purpose of science in the secondary curriculum and becoming familiar with trends in science instruction. Skills are developed in using classroom, laboratory, and field experiences in planning and evaluating science instruction. A major emphasis is on the planning of a resource unit. A field-based component will be arranged. Prerequisites: FED 251, FED 260.
SED 358. METHODS FOR TEACHING SOCIAL SCIENCE
A study of social sciences in secondary schools with emphasis on foundations and curriculum issues, planning social science instruction, methods and materials appropriate for older adolescents and topical issues in teaching social science. A field-based component will be arranged. Prerequisites: FED 251, FED 260.

SED 454. SECONDARY SCHOOL CURRICULUM
A study of the secondary school curriculum. Emphasis is placed on the goals and philosophies of the various disciplines and the implementation of these goals. The relationship between curriculum content and process will be examined. Taken with EDT 430 the quarter nearest student teaching. A field-based component will be arranged. Prerequisites: FED 251, FED 260, FED 361, admission to Teacher Education.

SED 491. STUDENT TEACHING
Student teaching is a period of guided teaching during which the student, under the direction of a cooperating teacher, takes increasing responsibility for leading the school experiences of a given group of learners over a period of consecutive weeks and engages more or less directly in many of the activities which constitute the wide range of a teacher's assigned responsibilities. This course is for all secondary majors. Prerequisites: Completion of teaching field, completion of methods and curriculum, Admission to Teacher Education, and Admission to Student Teaching.

SED 591. SPECIAL TOPICS IN SECONDARY EDUCATION
A study of current trends and issues in specific teaching fields in the secondary schools. The focus of the course will be tailored, to meet the needs of pre-service teachers.

DEPARTMENT OF STUDENT DEVELOPMENT PROGRAMS
J. Bergin, Chair
Professor: J. Bergin, R. Freeman
Associate Professors: C. Alexander, E. Brown, P. Butterfield, A. Chew, P. Dixon, S. Heggoy, N. Lanier, R. Martin, W. Peach
Assistant Professors: D. Grant, L. Hemberger

School Psychology (EDP)
EDP 468. CLASSROOM BEHAVIOR MANAGEMENT (See EXC 468)
This course is designed to initiate the classroom instructor in basic procedures for classroom behavior organization using behavior modification techniques based on instructional objectives as well as instructional techniques designed to meet the needs of the group and individualized instruction.

EDP 494. SCHOOL PSYCHOLOGY INTERNSHIP
EDP 495. ACTION RESEARCH IN EDUCATION

Counselor Education (CED)
CED 451. GUIDANCE IN CAREER EDUCATION
This course concentrates on group guidance in career understanding. It includes learning how to assist students in planning, competing and evaluating career educational progress on an individual basis; and methods in establishing simulated and/or real work experience programs.

CED 558. INTRODUCTION TO GUIDANCE AND HUMAN SERVICES
The student is introduced to guidance and counseling services in schools and a variety of helping agencies. Community resources, refer­ral procedures and delivery of human services will be explored in convenient locations.

CED 591. SPECIAL PROBLEMS IN COUNSELING
This course is designed to promote specialized training appropriate to the needs of in-service school personnel. Attention will be given to a range of specific problems as they reach special significance in local school systems.

Special Education (Exceptional Child - EXC)
EXC 450. IDENTIFICATION AND EDUCATION OF EXCEPTIONAL STUDENTS IN THE REGULAR CLASSROOM
A survey course in the identification and education of students who have special educational needs. These include students who are intellectually gifted, intellectually disabled, physically handicapped, speech handicapped, behavioral disordered, hospital or homebound, handicapped by a specific learning disability, multihandicapped, autistic, hearing impaired, visually impaired or other areas of specific needs which
EXC 461. CHARACTERISTICS OF LEARNING DISABILITY
A review of different types of learning disabilities and the theories and systems related to their identification, assessment and remediation.

EXC 462. APPROACHES AND METHODS IN TEACHING THE LEARNING DISABLED
Emphasis is placed on an individualized approach to analysis of the learning problems and to the method of instruction used. This includes procedures for assessing the learning disabled child's level of development as well as academic skill, selection of appropriate instructional tasks and classroom/resource organization and management.

EXC 467. SPECIAL PROJECT
Content will consist of action research and special study planned by instructor and student. Course content to be determined by the needs of the registrants.

EXC 468. CLASSROOM BEHAVIOR MANAGEMENT
Content of this course is designed to initiate the classroom teacher in the basic procedures for management for the exceptional child. Emphasis is placed on the use of behavior modification (reinforcement therapy) and transactional analysis as well as instructional techniques designed to meet the needs of the group and individual.

EXC 470. EXCEPTIONAL CHILD PRACTICUM I
This course is designed to provide EXC majors with exposure to educational procedures used in clinical teaching of at-risk and special needs students. The students will demonstrate skills in the areas of: assessment prescription, implementation and evaluation with emphasis on application of these skills under supervision. Prerequisites: Admission to Teacher Education: EXC 450, EXC 468.

EXC 471. CLINICAL PRACTICUM
The purpose of this practicum is to implement programs, methods and materials presented in other courses. The type of behavior problem to be remediated, the evaluatory tools to be used and therapeutic procedures are contingent upon the preparation of the student. (Students are limited to five hours.)

EXC 473. CHARACTERISTICS OF BEHAVIOR DISORDERS
Characteristics of the types of behavior disorders encountered among children are reviewed along with currently accepted theories and
systems for their behavioral and educational management. Also included: identification of the behavior disordered child and assessment of the extent of his special needs.

EXC 478. APPROACHES AND METHODS FOR TEACHING THE BEHAVIOR DISORDERED
Individualized and group methods of teaching the behavior disordered are analyzed as they relate to the specific needs of the individual. A developmental approach to behavioral and educational needs is emphasized. Prerequisite: EXC 473.

EXC 478. COMMUNICATING WITH PARENTS OF EXC CHILDREN
This course is designed to provide pre-service teachers with skills to communicate effectively with parents and teachers of exceptional children. Prerequisites: EXC 450, EXC 457, EXC 468 or permission of instructor.

EXC 491. STUDENT TEACHING IN SPECIAL EDUCATION
Student teaching is a period of guided teaching during which the students, under the direction of a cooperating teacher, takes increasing responsibility for leading the school experiences of a given group of learners over a period of consecutive weeks and engages directly in many of the activities which constitute the wide range of a teacher's assigned responsibility. Prerequisites: Completion of teaching field and admission to student teaching.

EXC 591. SPECIAL PROBLEMS IN EXCEPTIONAL CHILD EDUCATION
This course is designed to promote specialized training appropriate to the needs of in-service school personnel. Attention will be given to a range of specific problems as they reach special significance in local school systems.

EXC 592. INTERNSHIP IN TEACHING THE INTELLECTUALLY DISABLED
This course involves the implementation of the content of differential educational diagnosis and methods for teaching the intellectually disabled. Requirements for five hours include six "mini" research projects implemented in the student's full-time teaching setting (classroom) with a minimum of three site visits by the college supervisor, and three seminars on the college campus. Not to exceed 10 hours credit.

EXC 593. INTERNSHIP IN TEACHING THE BEHAVIOR DISORDERED
This field course involves classroom implementation of the content of differential educational diagnosis and methods of teaching the behavior disordered. Requirements for five hours include six "mini" research projects implemented in a full-time teaching setting with a minimum of three site visits by the college supervisor and a minimum of three seminars on the college campus. Not to exceed 10 hours credit.

Adult Education (AED)

551. ADULT EDUCATION
This course presents the field of Adult Education as a coherent whole to graduate students so that persons interested in the field can grasp the scope and magnitude of the movement.

AED 552. TEACHING THE DISADVANTAGED ADULT
This course presents a specific sub-area within the field of Adult Education with background information about the disadvantaged adult, environment and culture of the disadvantaged adult, and special instructional methods.

AED 557. FOUNDATIONS OF ADULT AND HIGHER EDUCATION
To assist in becoming acquainted with the research and literature that has contributed to the development of adult and higher education. Prerequisite: study in adult education.

AED 591. SPECIAL PROBLEMS IN ADULT EDUCATION
This course is designed to promote specialized training appropriate to the needs of in-service school personnel. Attention will be given to a range of special problems as they reach significance in local school systems.

Business Education (EDB)

EDB 251 BEGINNING KEYBOARDING
A beginning course incorporating basic keyboarding skills and techniques of learning successful touch keyboarding. Included are introduction to business letters, forms, tables and short reports; proofreading skills, punctuation and word division and acceptable material arrangement. Significant individual time in a
keyboarding lab will be required. This course is open to business education majors and non-majors.

TED 361 INTERMEDIATE KEYBOARDING
The application of skill to letter arrangements, composition of letters at the keyboard, business forms, tabulated reports and manuscripts are stressed. Speed and accuracy in keyboarding are further developed. Learning to work without constant direction is also emphasized. Significant individual time in a keyboarding lab will be required. Prerequisite: EDB 251 or equivalent.

TED 450. WORD/INFORMATION PROCESSING
This course presents the history, concepts and definition of word processing. The evolution of the information processing cycle from the traditional office through the automated office will be studied. Students will be introduced to and will use various kinds of word processing application software. Prerequisite: EDB 251 or equivalent.

TED 451. OFFICE PROCEDURES
This course is designed for students preparing to teach office procedures at the secondary school level. Emphasis is placed on principles and practices used in transcription, dictation, records management, filing, office management and use of electronic calculator and copying equipment. Prerequisite: EDB 251 or equivalent.

TED 491. STUDENT TEACHING IN BUSINESS EDUCATION
Student teaching is a period of guided teaching during which the students, under the direction of a cooperating teacher, takes increasing responsibility for leading the school experiences of a given group of learners over a period of consecutive weeks and engages directly in many of the activities which constitute the wide range of a teacher's assigned responsibility. Prerequisite: Completion of teaching field, completion of methods and curriculum, Admission to Teacher Education, and Admission to Student Teaching.

Technology Education (TED)

TED 250. INTRODUCTION TO TEACHING TECHNOLOGY EDUCATION
This course introduces the prospective teacher to the field of Technology Education. It highlights origins, movements and leaders that have shaped Technology Education. The goals, objectives, content and competencies of Technology Education will be explored through didactic and practical methods.

TED 350. LAB DESIGN, MANAGEMENT, MAINTENANCE, OPERATION AND SAFETY
This course includes the essentials of designing an appropriate Technology Education facility and managing such a facility in a public school setting. Program development and equipment procurement are included. This course also includes the essentials of maintaining tools, equipment and the facility. In addition, the operation of the Technology Education program in a public school situation and the necessary safety precautions are included.

TED 450. CURRICULUM CONTENT FOR TECHNOLOGY EDUCATION
This course presents problems, techniques and procedures in the preparation, selection, and organization of Technology Education curriculum materials for instructional purposes. Emphasis is on methods, techniques, theories of learning, preparation of materials, sequencing, laboratory safety, evaluation and teacher liability in Technology Education settings. Prerequisite: Junior Standing.

TED 451. METHODS FOR TEACHING TECHNOLOGY EDUCATION
The Technology Education major will be exposed to effective methods and techniques of teaching Technology Education subjects. Emphasis will be placed on class organization, management, preparation of lesson plans and instructional aids. Prerequisite: TED 450 or to be taken concurrently.

TED 452. MATERIALS AND METHODS OF CONSTRUCTION
A survey of the construction enterprise and fundamental exploration of the commonly used building materials and methods.

TED 457. GENERAL TECHNOLOGY FOR TECHNOLOGY EDUCATION TEACHERS
A study of the educational aspects of the areas of production, transportation, construction and communication as they apply to Technology Education. An emphasis is placed on utilizing common materials discovered in nature and the refinement of these materials in a laboratory environment through the design and development of prototypes.

TED 491. STUDENT TEACHING IN TECHNOLOGY EDUCATION
Student teaching is a period of guided teaching during which the students, under the direction of a cooperating teacher, takes increasing responsibility for leading the school experiences of a given group of learners over a period of consecutive weeks and engage directly in many
of the activities which constitute the wide range of a teacher's assigned responsibility. Prerequisite: Completion of teaching field, completion of methods and curriculum, Admission to Teacher Education, and Admission to Student Teaching.

**TIE 591. SPECIAL PROBLEMS IN TECHNOLOGY EDUCATION**
This course is designed to promote specialized training appropriate to the needs of pre-service personnel. It also emphasized individualized research in the technology associated with Technology Education.

**Trade and Industrial Education (TIE)**

**TIE 251, 252, 253. SUPERVISED WORK EXPERIENCE**
Coordinated work experience related to the student's technical specialty including comprehensive report of same.

**TIE 450. SEMINAR IN TEACHING TRADE AND INDUSTRIAL EDUCATION**
A review and synthesis of the philosophy, principles, and practices of trade and industrial education.

**TIE 451. HISTORY AND POLICIES OF TRADE AND INDUSTRIAL EDUCATION**
The principles, practices, history, policies, funding, organization and administration of vocational education with special emphasis on trade and industrial education.

**TIE 452. ORGANIZATION AND MANAGEMENT OF TRADE AND INDUSTRIAL EDUCATION FACILITIES**
The planning and development of proper practices for organization and management of Trade and Industrial Education laboratories, workshops, office learning resource centers and classrooms.

**TIE 453. CURRICULUM CONTENT OF TRADE AND INDUSTRIAL EDUCATION**
Covers the content and program of study for selected Trade and Industrial offerings. Course to emphasize individualized instruction.

**TIE 456. PROCEDURES IN TEACHING TRADE AND INDUSTRIAL EDUCATION**
A consideration of practical utilization procedures for teaching the various Trade and Industrial subject areas.

**TIE 460. OPEN-ENTRY FOR NEW VOCATIONAL TEACHERS**
This course is designed for new, vocational education in-service instructors. It will provide survival skills, knowledge in curriculum, individualized instruction and classroom management. Prerequisite: Permission of the instructor.

**TIE 481. INTRODUCTION TO TEACHING TRADE AND INDUSTRIAL SUBJECTS**
This course introduces the new T & I teacher to the principles and practices of teaching manipulative skills, organizing subject matter, planning lessons, developing curriculum and for implementation of state approved instructional materials. It will usually be a part of the new vocational teacher institute.

**TIE 462. INSTRUCTIONAL STRATEGIES AND MANAGEMENT TECHNIQUES IN TRADE AND INDUSTRIAL EDUCATION**
This course introduces the new T & I instructor to the principles and practices of program/laboratory management, laboratory organization, safety and use of media. It will usually be a part of the new vocational teacher institute.

**TIE 464. ADVANCED NEW TEACHER INSTITUTE**
Due to the nature of the course, no single description can be given. A needs assessment will be conducted on all participants who have attended a new vocational teacher institute and individually presented programs will be developed according to these needs. Prerequisite: Must have completed the new vocational teacher institute.

**TIE 491. STUDENT TEACHING IN TRADE & INDUSTRIAL EDUCATION**
Student teaching is a period of guided teaching during which the students, under the direction of a cooperating teacher, takes increasing responsibility for leading the school experiences of a given group of learners over a period of consecutive weeks and engages directly in many of the activities which constitute the wide range of a teacher's assigned responsibility. Prerequisite: Completion of teaching field, completion of methods and curriculum, Admission to Teacher Education, and Admission to Student Teaching.

**TIE 493. INTERNSHIP FOR NEW VOCATIONAL TEACHERS**
This course is an internship that will serve as the vehicle for implementing teaching competencies learned in the new vocational teacher institute. Prerequisite: Permission of instructor.

**Vocational Education (VED)**

**VED 450. TRENDS IN CAREER AND VOCATIONAL EDUCATION**
A review of major trends and innovations in career education and vocational education
throughout Georgia, the nation, and the world. Emphasis will be placed on experimental and new emerging career development programs in Georgia.

VED 451. INDIVIDUALIZING VOCATIONAL AND TECHNICAL EDUCATION
An introduction to individualized instruction following the Georgia vocational models. Emphasis will be placed on competency-based instruction, how to develop individualized packages, the support technology, prepared materials, implementation, rationale and evaluation.

VED 453. SCHOOL SHOP SAFETY
A review of accepted rules, regulations and practices of designing and operating an educational laboratory in a safe manner including accident prevention and first aid.

VED 491. WORKSHOPS IN...
Specialized study for selected groups of Vocational instructors. Usually identified in cooperation with local school administrators and/or Georgia State Department of Education leaders. Special assignments by advisor. Two to fifteen hours credit.

VED 551. COOPERATIVE VOCATIONAL EDUCATION PROGRAMS
Considers all cooperative curriculum programs in the high school as well as the philosophy and background for the program.

VED 554. VOCATIONAL EDUCATION AND TECHNICAL EDUCATION FOR THE DISADVANTAGED AND HANDICAPPED

VED 591. SPECIAL PROBLEMS
COLLEGE OF HEALTH AND PROFESSIONAL STUDIES

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PURPOSE AND FUNCTIONS
The College of Health and Professional Studies has charge of providing student preparation and experience in several interrelated areas. The school's general purpose is the assimilation, expansion and application of the bodies of knowledge commonly called Family and Consumer Sciences, Health Science, Nursing, Physical Education and Recreation. To achieve these goals the college strives to provide and produce excellence in teaching, student counseling, scholarly research and community service.

Specifically the college has the following major functions:
1. To produce health professionals who are prepared to serve as health education specialists in existing and emerging positions with governmental, municipal, industrial and commercial, pharmaceutical, voluntary health and health care delivery organizations.
2. To produce professionals who serve individuals as family members and consumers in the marketplace.
3. To produce nurses at the undergraduate and graduate levels whose education will provide a basis for the improvement of health in the rural population.
4. To produce, in cooperation with and under the supervision of the College of Education, teachers of health education and physical education at the undergraduate and graduate levels.
5. To educate recreation professionals who will possess the management and leadership skills, technical knowledge, and environmental awareness to sustain and enhance the leisure service industries.
6. To provide a basic physical education service program and a basic health education service program for all students.
7. To provide an intramural program designed to allow opportunity for leisure activity, competition, skill development and physical and emotional release.

These functions are incorporated in the individual purposes of the five departments of the college: Family and Consumer Sciences, Health Science Education, Nursing, Recreation and Leisure Services and Sport Science and Physical Education. Students who wish to pursue programs leading to teaching certification may major in home economics or health and physical education. Upon successful completion of this program, they will receive the Bachelor of Science in Education. Students pursuing majors in Health and Fitness Promotion, Community Health Education and Sport Management will receive a Bachelor of Science in Health Science. The Bachelor of Science in Health Science is also an excellent avenue for those students wishing to pursue degrees in a variety of allied health professions. Students majoring in Nursing will receive the Bachelor of Science in Nursing and will qualify to take the State Board Examination for licensure as a registered nurse. Students majoring in one of the areas of Recreational and Leisure Services will receive the Bachelor of Science in Recreation. Students majoring in one of the six programs in the Department of Family and Consumer Sciences will receive the B.S. degree in Family and Consumer Sciences.

PRE-PHYSICAL THERAPY
The requirements for admission to colleges and universities that offer physical therapy are not identical. Georgia Southern follows guidelines and requirements recommended by the professional schools in Georgia. This is not a major or degree program.

For additional information contact Departmental Secretary, Health Science Education, Health Science Building, Room 106 or phone 912-681-5266.

PRE-OCCUPATIONAL THERAPY
Admission requirements and programs of study are similar to, but somewhat less demanding than, those for pre-physical therapy. Interested students should contact Departmental Secretary, Health Science Education, Health Science Building, Room 106, or phone 912-681-5266.

PRE-NURSING
Since various nursing schools have a variety of requirements and a student's course of study must conform to the respective school, students interested in pursuing studies leading to a baccalaureate degree in nursing at institutions other than Georgia Southern must write that school. If a school has not yet been selected, the following course of study may be followed:

Chemistry 171, 172 10 hours
English 151, 152, Literature of the Western World .......................... 5 hours
Math 155, College Algebra .............. 5 hours
History 152 or 153; 255 or 253; and Political Science 250 ...................... 15 hours
Biology 271, 272, Human Anatomy and Physiology, Biology 284, Microbiology 15 hours
Introduction to Sociology or Psychology ................................................. 5 hours
Humanities .......................................................................................... 5 hours
Nutrition .............................................................................................. 5 hours
Growth and Development ................................................................. 5 hours

For additional information contact Dr. Christine Talmadge, Department of Nursing, Nursing Building, Room 104A or phone 912-681-5455.

BACHELOR OF SCIENCE IN EDUCATION
(HEALTH AND PHYSICAL EDUCATION MAJORS)

GENERAL EDUCATION REQUIREMENTS
See Core Curriculum Areas I, II and III.

Area IV Requirements:
Health and Physical Education
Majors ............................................................... 30 hours
1. FED 251 .................................................. 5
2. FED 260 .................................................. 5
3. BIO 271 .................................................. 5
   BIO 272 .................................................. 5
4. Advisor Approved Electives from Area 1,2,3 ........................................ 10

Professional Education
Requirements .................................................................................. 35 hours
1. FED 361 .................................................. 5
2. EMS 393 .................................................. 10
3. EXC 450 .................................................. 5
4. EDL 491 .................................................. 15

Professional Physical Education
Requirements .................................................................................. 59 hours
2. PE Coaching ................................................................................. 6
3. PE Activity Courses ..................................................................... 8

Professional Health Education
Requirements .................................................................................. 25 hours
1. HTH 350 and 451 ........................................ 10
2. HTH 550 .................................................. 5
3. HTH 555 .................................................. 5
4. HTH 557 .................................................. 5

BACHELOR OF SCIENCE IN FAMILY AND CONSUMER SCIENCES
The Bachelor of Science in Family and Consumer Sciences is designed for students wishing to prepare for careers in (1) Apparel Design, (2) Consumer Studies; (3) Family and Child Studies, (4) Foods and Nutrition, Dietetics and Hospitality Administration; (5) Interior Design and Housing; (6) Restaurant, Hotel and Institutional Administration; (7) Fashion Merchandising. Majors are offered in each of these fields.

GENERAL REQUIREMENTS
This degree requires fulfillment of the core curriculum, completion of major requirements in Family and Consumer Sciences, three hours of health and four hours of physical education. A minimum of 190 hours is required for graduation.

While the Bachelor of Science in Family and Consumer Sciences does not require a minor, except for the majors in Apparel Design and Restaurant Hotel and Institutional Administration, a student may choose to complete an advisor approved minor program and have it indicated on the transcript. The approved minors are listed in this catalog (see Minors-General Information section).

Correspondence or extension credit will not be allowed to satisfy the requirements for major courses in the Department. A minimum grade of "C" is required on each course in the major. Students wishing to take upper division courses in their major should have credit for 90 hours in core requirements and should have an average grade of 2.0. In cases presenting exceptional schedule conflicts, registration in upper division courses by students who have failed to complete core requirements and maintain a 2.0 GPA will be allowed only by permission of the department chair.

GENERAL EDUCATION REQUIREMENTS
See Core Curriculum, Areas I, II and III.
Health (3 hours) and Physical Education (4 hours) ......................... 7 hours
APPAREL DESIGN
This major will prepare the creative student for an exciting and challenging career in all phases of the Apparel (Fashion) Design Industry.

Area IV Requirements 30 Hours
CIS 251 .................................. 5
MFG 150, CHE 171 or ECO 260 .................................. 5
CAS 251, THE 257 or ART 160 .................................. 5
NFS 251 .................................. 5
FCS 271 .................................. 5
IDH 281 .................................. 5
Specific Requirements 67-73 Hours
HEC 210 or 410 .................................. 1
ART 150 .................................. 5
AD 168 .................................. 5
AD 250 .................................. 5
AD 350 .................................. 5
FM 360 .................................. 5
AD 362 .................................. 5
FM 364 .................................. 5
AD 365 .................................. 5
AD 462 .................................. 5
AD 420 .................................. 2
AD 460 .................................. 5
AD 470 .................................. 5
AD 491 .................................. 10-15

Select 25 Hours From The Following Courses:
PM 250 .................................. 5
ART 251 .................................. 5
ART 357 .................................. 5
ADM 430 .................................. 3
ADM 452 .................................. 5
ADM 454 .................................. 5
AD 450 .................................. 5
AD 472 .................................. 5
AD 562 .................................. 5
AD 399 .................................. 5

CONSUMER STUDIES
Designed for the student whose career goals involve demonstrations, promotions, product testing and magazine and television work.

Area IV Requirements 30 hours
ART 160 .................................. 5
PSY 251 .................................. 5
CAS 251 .................................. 5
FCS 271 .................................. 5
NFS 251 .................................. 5
TFM 168 .................................. 5
Specific Requirements 94-104 hours
FCS 471 .................................. 5
FCS 472 or 474 .................................. 5
HEC 210 or 410 .................................. 1
HEC 486 .................................. 5

FAMILY AND CHILD STUDIES
For those individuals interested in a broad base of family understanding in (1) preparation for advanced study of families and personal family relationships; (2) working with preschool children; (3) working with social service agencies and (4) working with families in a variety of settings.

Area IV Requirements 30 hours
PSY 251 .................................. 5
SOC 150 .................................. 5
CAS 251, CA 252 or CAT 257 .................................. 5
IDH 281 .................................. 5
NFS 251 .................................. 5
FM 260 or AD 168 .................................. 5
Specific Requirements 69-79 hours
FCS 271 .................................. 5
FCS 471 .................................. 5
FCS 472 .................................. 5
FCS 474 .................................. 5
FCS 476 .................................. 5
FCS 571 .................................. 5
FCS 575 .................................. 5
FCS 576 .................................. 5
HEC 210 or 410 .................................. 1
HEC 486 .................................. 5
FCS 491 .................................. 10-15
FCS 491 .................................. 10-15
NFS 354 .................................. 5
PSY 377 .................................. 5
SOC 365 .................................. 5
Child Development Emphasis 25 hours
FCS 475 .................................. 5
FCS 479 .................................. 5
FCS 572 .................................. 5
FCS 578 .................................. 5
Choose five hours from:
HTH 550; PSY 375; REC 454; HEC 580

Family Service Emphasis 25 hours
SOC 350 .................................. 5
SOC 370 .................................. 5
SOC 453 .................................. 5
SOC 466 .................................. 5
FOODS AND NUTRITION
This program of study is designed to provide the educational competencies for entry-level foods and nutrition careers in commercial and private foodservice operations. The Didactic Program in Dietetics has received approval by the American Dietetic Association.

Area IV Requirements

**EIO 260** 5
**CAS 251** 5
**SOC 150; ANT 150; PSY 251; CHE 171; CHE 172; BIO 151; BIO 152** 5
**FCS 271** 5
**IDH 281** 5
**TFM 260** 5

Specific Requirements

**56 hours**

**HCO 284 or NFS 356** 5
**HEC 210 or 410** 1
**HEC 486** 5
**CIS 251** 5
**NFS 151** 5
**NFS 251** 5
**NFS 455** 5
**RHI 456** 5
**NFS 457** 5
**RHI 458** 5
**RHI 556** 5
**MGT 351** 5

Dietetics Emphasis

**54-69 hours**

**ANT 150, PSY 251, or SOC 150** 5
**BIO 271, BIO 272** 10
**BIO 284** 5
**CHE 171, CHE 172** 10
**CHE 380** 5
**HEC 580** 5
**HTH 321** 2
**NUR 322** 2
**NFS 354** 5
**NFS 451** 5
**NFS 452** 5
**NFS 453** 5
**NFS 454** 5

Hospitality Administration

**Emphasis** 35-65 hours

**NFS 467** 5
**NFS 491** 5-15
**REC 352** 5
**REC 372** 5
**REC 453** 5

Optional Minor or Advisor Approved

**Electives** 10-20

HOME ECONOMICS EDUCATION
This program requires the completion of a minimum of 190 quarter hours in required courses and approved electives and leads to the bachelor of Science in Education degree and the Georgia Level Four Home Economics (7-12) Professional Certificate.

General Requirements:
Areas I, II and III of the Core Curriculum - 60 hours

Area IV Courses

**SOCI 150 or PSY 251** 5
**CAS 251** 5
**FCS 271** 5
**NFS 151** 5
**FED 251** 5
**FED 260** 5

Specific Requirements

**97 hours**

**IDH 281** 5
**IDH 385** 5
**NFS 351** 5
**NFS 352** 5
**AD 168** 5
**AD 362** 5
**FM 364** 5
**HEC 210 or 410** 1
**HEC 486** 5
**HEC 490** 5
**FCS 471** 5
**FCS 472 or 474** 5
**FED 361** 5
**SED 352** 5
**EDT 430** 3
**SED 454** 5
**EXC 450** 5
**SED 491** 5

INTERIOR DESIGN AND HOUSING
This program is designed for the creative student interested in a professional career in interior design. The curriculum is based on FIDER guidelines and prepares the graduate for both residential and commercial interior design positions.
Area IV Requirements ........................ 30 hours
BIO 165, CHE 160, GT 165 or PHS 255 .... 5
GGY 250, PSY 251, SOC 150, or ECO 260 ... 5
CAS 251, CA 252, or CAT 257 .... 5
FCS 271 .................................. 5
IDH 281 .................................. 5
TD 152 .................................. 5

Specific Requirements ........................ 97-102 hours
HEC 210 or 410 ............................. 1
HEC 486 .................................. 5
HEC 580 .................................. 5
IDH 281 .................................. 5
IDH 282 .................................. 5
IDH 283 .................................. 5
IDH 380 .................................. 5
IDH 381 .................................. 5
IDH 382 .................................. 5
IDH 383 .................................. 5
IDH 385 .................................. 5
IDH 481 .................................. 5
IDH 482 .................................. 5
IDH 485 .................................. 5
IDH 486 .................................. 5
IDH 487 .................................. 5
IDH 491 .................................. 10-15
ART 257 .................................. 5
ART 352 .................................. 5
TD 333 .................................. 3
BCC 330 .................................. 3
NFS 326 .................................. 2
RHI 153 .................................. 5
RHI 336 .................................. 3
RHI 337 .................................. 5
RHI 355 .................................. 5
RHI 451 .................................. 5
RHI 456 .................................. 5
RHI 462 .................................. 5
RHI 491 .................................. 10-15
RHI 556 .................................. 5
RHI 558 .................................. 5

* These courses fulfill the requirements for the Business minor.

FASHION MERCHANDISING
This program prepares the student for entry level managerial positions in fashion merchandising including but not limited to visual merchandising, consulting, buying and entrepreneurship. A minor in business is recommended.

Area IV Requirements ........................ 30 hours
CIS 251 .................................. 5
ECO 260, ACC 260 or CAJ 252 ............ 5
CAS 251 .................................. 5
FCS 271 .................................. 5
IDH 281 .................................. 5
NFS 251 .................................. 5
Specific Requirements ........................ 81-86
AD 168 .................................. 5
AD 250 .................................. 5
AD 365 .................................. 5
FM 360 .................................. 5
FM 361 .................................. 5
FM 363 .................................. 5
FM 364 .................................. 5
FM 365 .................................. 5
FM 491 .................................. 10-15
HEC 210 or 410 ............................. 1
HEC 580 .................................. 5
MKT 350 .................................. 5
Choose twenty hours from the following:
AD 350; AD 382; ADM 452; ART 252; FM 366; FM 562; IDH 385; MKT 351/352; MKT 354; OR MKT 450
Optional Minor or Advisor
Approved Electives ......................... 12-20

Students in this program are encouraged to add the Business minor as outlined in this catalog (see Minors-General Information section).

RESTAURANT, HOTEL AND INSTITUTIONAL ADMINISTRATION
This program is for the student interested in the management of restaurants, hotels and institutions. Initial career opportunities are at the managerial level.

Area IV Requirements ........................ 30 hours
*CIS 251 .................................. 5
*ECO 260 .................................. 5
MAT 255 .................................. 5
FCS 271 .................................. 5
NFS 151 .................................. 5
NFS 251 or 253 ............................. 5
Specific Requirements ........................ 105-115 hours
*ACC 260 .................................. 5
*FIN 351 .................................. 5
HEC 210 or 410 ............................. 1
LST 352 .................................. 5
*MGT 351 .................................. 5
MGT 371 .................................. 5
MGT 475 .................................. 5
*MKT 350 .................................. 5
NFS 151 .................................. 5
NFS 457 .................................. 5
NFS 467 .................................. 5
BACHELOR OF SCIENCE IN HEALTH SCIENCE

This degree program offers the student the choice of three majors: Community Health, Health and Fitness Promotion and Sport Management. A 2.25 cumulative adjusted GPA is required for admission to the Sport Management program.

GENERAL EDUCATION REQUIREMENTS

See Core Curriculum Areas I, II, and III.

<table>
<thead>
<tr>
<th>Area IV Requirements</th>
<th>30 hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. STA 255</td>
<td>30</td>
</tr>
<tr>
<td>2. SOC 150 or PSY 251</td>
<td>5</td>
</tr>
<tr>
<td>3. CSC 256 or CIS 251</td>
<td>5</td>
</tr>
<tr>
<td>4. BIO 271, BIO 272, ENG 271, NFS 251, AAC 260, CA 250, SM 250</td>
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Health Professions Requirements

<table>
<thead>
<tr>
<th>Health Professions Requirements</th>
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<tbody>
<tr>
<td>1. PSY 473</td>
<td>5</td>
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<tr>
<td>2. BIO 352*</td>
<td>5</td>
</tr>
<tr>
<td>3. HEC/FCS 371*</td>
<td>5</td>
</tr>
<tr>
<td>4. NUR 322*</td>
<td>2</td>
</tr>
<tr>
<td>5. HTH 321</td>
<td>2</td>
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<tr>
<td>6. HTH 550</td>
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<td>7. HTH 555</td>
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</tr>
<tr>
<td>8. HTH 557</td>
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HEALTH AND FITNESS PROMOTION MAJOR

<table>
<thead>
<tr>
<th>Major electives</th>
<th>15 hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. PSC/AS 362</td>
<td>5</td>
</tr>
<tr>
<td>2. SOC 452</td>
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</tr>
<tr>
<td>3. SOC/ANT 457</td>
<td>5</td>
</tr>
<tr>
<td>4. SOC 467</td>
<td>5</td>
</tr>
<tr>
<td>5. MGT 351 Prin. of Management</td>
<td>5</td>
</tr>
<tr>
<td>6. MKT 470</td>
<td>5</td>
</tr>
<tr>
<td>Free Electives</td>
<td>10 hours</td>
</tr>
<tr>
<td>Senior Practicum</td>
<td>15 hours</td>
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</table>

SPORT MANAGEMENT MAJOR

<table>
<thead>
<tr>
<th>Business Core</th>
<th>25 hours</th>
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<tbody>
<tr>
<td>1. ACC 260 Survey of Accounting</td>
<td>5</td>
</tr>
<tr>
<td>2. MKT 350 Prin. of Marketing</td>
<td>5</td>
</tr>
<tr>
<td>3. MGT 351 Prin. of Management</td>
<td>5</td>
</tr>
<tr>
<td>4. BA 351 Business Ethics</td>
<td>5</td>
</tr>
<tr>
<td>5. MKT 351 Prin. of Advertising</td>
<td>5</td>
</tr>
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Sport Management Core

<table>
<thead>
<tr>
<th>Area of Emphasis</th>
<th>(Select one: 20 hours)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sport Administration</td>
<td></td>
</tr>
<tr>
<td>1. SM 450</td>
<td>5</td>
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<tr>
<td>2. SM 452</td>
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<tr>
<td>3. SM 453</td>
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<tr>
<td>4. SM 551</td>
<td>5</td>
</tr>
<tr>
<td>5. PE 554</td>
<td>5</td>
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<tr>
<td>6. PE 558</td>
<td>5</td>
</tr>
<tr>
<td>Other Electives and Requirements</td>
<td>35 hours</td>
</tr>
<tr>
<td>1. PE 338</td>
<td>3</td>
</tr>
<tr>
<td>2. PE 561</td>
<td>3</td>
</tr>
<tr>
<td>3. NUR 445</td>
<td>4</td>
</tr>
<tr>
<td>4. Free Electives</td>
<td>10 hours</td>
</tr>
<tr>
<td>5. Senior Practicum</td>
<td>15 hours</td>
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</table>

COMMUNITY HEALTH MAJOR

<table>
<thead>
<tr>
<th>Areas of Emphasis</th>
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<tbody>
<tr>
<td>Sport Promotion</td>
<td></td>
</tr>
<tr>
<td>1. CAP 340</td>
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</tr>
<tr>
<td>2. CAP 440</td>
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</tr>
<tr>
<td>3. CAP 342</td>
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</tr>
<tr>
<td>4. MKT 351</td>
<td>5</td>
</tr>
<tr>
<td>Other Electives and Requirements</td>
<td>40 hours</td>
</tr>
<tr>
<td>1. NUR 445</td>
<td>5</td>
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<td>2. HTH 451</td>
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<tr>
<td>3. HTH 350</td>
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</tr>
<tr>
<td>4. SOC 365</td>
<td>5</td>
</tr>
<tr>
<td>5. PSY 373</td>
<td>5</td>
</tr>
<tr>
<td>Other Electives and Requirements</td>
<td>40 hours</td>
</tr>
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</table>

<table>
<thead>
<tr>
<th>Major electives</th>
<th>15 hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. PSC/AS 362</td>
<td>5</td>
</tr>
<tr>
<td>2. SOC 452</td>
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</tr>
<tr>
<td>3. SOC/ANT 457</td>
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<tr>
<td>4. SOC 467</td>
<td>5</td>
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<td>5. MGT 351 Prin. of Management</td>
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<tr>
<td>Free Electives</td>
<td>10 hours</td>
</tr>
<tr>
<td>Senior Practicum</td>
<td>15 hours</td>
</tr>
</tbody>
</table>
GENERAL EDUCATION REQUIREMENTS
Areas I, II, and III of the Core
Curriculum - 60 hours
HPE 131 (3 hours) and Physical Education
(4 hours) .......................... 7 hours

AREA IV AND SPECIFIC REQUIREMENTS
BIO 271 Anatomy/Physiology I .......... 5
BIO 272 Anatomy/Physiology II .......... 5
CHE 181 General Chemistry ............ 5
CHE 182 General Chemistry ............ 5
CHE 183 General Chemistry ............ 5
MAT 255 Elem. Statistics Using a Computer .......................... 5

Major Requirements - 20 Hours
CHE 377 Organic Chemistry I ........... 5
CHE 378 Organic Chemistry II .......... 5
BIO 484 Bacteriology .................. 5
BIO 553 Immunology ................... 5

Other Electives - 12 Hours
HTH 321 Medical Terminology ........... 2
HTH 451 Public Health .................. 5
HTH 550 General Safety & First Aid
(includes CPR) ........................ 5
HTH 557 Lifestyle Management .......... 5

Medical Technology coursework to be taken at Armstrong State College - 76 hours

TOTAL HOURS .................................. 205

BACHELOR OF SCIENCE IN NURSING

Upon completion of the program, the graduate will be able to provide quality nursing care to individuals, families, groups and communities in a variety of rural and urban settings in a manner acceptable to the diverse and multicultural populations of rural south Georgia.

GENERAL EDUCATION REQUIREMENTS
See Core Curriculum Areas I, II, and III.
Area IV Requirements ................. 30 hours
1. BIO 271 ............................. 5
2. BIO 272 ............................. 5
3. BIO 284 ............................. 5
4. SOC 150 or PSY 251 ................. 5
5. Nursing 251 and 252 ............... 10

Professional Nursing
Requirements .................................. 92 hours
1. NUR 321-322-323 ..................... 6
2. NUR 341-342-343 ..................... 12

BACHELOR OF SCIENCE IN MEDICAL TECHNOLOGY

GENERAL REQUIREMENTS
This degree requires fulfillment of the Core Curriculum, a minimum of fifty-five hours in biology and chemistry, senior year in approved school of medical technology, three hours of health and four hours of physical education. A minimum of 190 hours is required for graduation. A grade of "C" or better must be earned in each course taken to satisfy the specific requirements peculiar to this degree, regardless of where each course is applied to the degree program.

ADVISEMENT
Students planning to complete the requirements for the medical technology degree program are advised by faculty in the Department of Health Science, 912-681-5266. Electives appropriate to this major will be recommended during advisement.
### BACHELOR OF SCIENCE IN RECREATION

This program, designed to meet the need for trained personnel in the field of recreation services, is offered in the Department of Recreation and Leisure Services. The program consists of general education and an interdepartmental major from the fields of business, humanities, social science, physical science, health, and physical education. A student may choose as an area of specialization one of five emphases: recreation administration, therapeutic, resort and commercial, natural and cultural resource management, or travel and tourism management.

### GENERAL REQUIREMENTS

The Bachelor of Science degree in Recreation requires the fulfillment of the university core curriculum, completion of the Recreation core requirements, including the successful completion of the two professional field experiences (practicum and internship) and a grade of at least "C" in all recreation coursework. Recreation majors follow an introductory sequence of major courses comprised of 151, 152 and 252. These courses serve as prerequisites, and as a foundation, for the practicum as well as the upper division core. Students should enroll in the practicum upon completion of this initial sequence. The practicum must be successfully completed by the end of the junior year or by the time the student has accumulated 135 credit hours towards graduation.

The internship is normally set up and approved during the student's last quarter of enrollment in academic coursework. The internship is a supervised 400 hour work experience in an approved leisure setting. The purpose of the internship is to assist in the transition process from the theoretical and conceptual aspects of recreation to the practical application of knowledge in a professional leisure agency or industry.

To enroll in either the practicum or the internship a student must have a minimum adjusted grade point average of 2.0.

### GENERAL EDUCATION REQUIREMENTS

See Core Curriculum Areas I, II, and III Area IV and Specific Requirements.

### OTHER REQUIREMENTS AND ELECTIVES:

A student elects one of the following emphases: Recreation Administration, *Therapeutic, Resort and Commercial, Natural and Cultural Resource Management or Travel and Tourism Management.

(a) Recreation Electives

Courses..........................15-20 hours (from the following)

- REC 351 ................. 5
- REC 352 ................. 5
- REC 354 ................. 5
- REC 362 ................. 5
- REC 365 ................. 5
- REC 366 ................. 5
- REC 367 ................. 5
- REC 372 ................. 5
- REC 398 ................. 1-5
- REC 454 ................. 5
- REC 455 ................. 5

### Notes:

- Upper Level Professional graduation requirements are 45 hours.
- Other requirements are 30 hours.
- A minimum adjusted grade point average of 2.0 is required for enrollment in either the practicum or the internship.
- Students must complete the practicum and internship requirements before graduation.
College of Health and Professional Studies

REC 456 .................................... 5
REC 457 .................................... 5

(b) Non-recreation courses (300-400 level)

........................................... 15-20 hours

Physical Education ..................... 5
Health ..................................... 3

**Recreation Convocation ............. 1

* Majors must take two quarter hours total from REC 111,211,311,411.

COURSE DESCRIPTIONS

SCHOOL OF HEALTH AND PROFESSIONAL STUDIES

Dr. Frederick K. Whitt, Dean

DEPARTMENT OF FAMILY AND CONSUMER SCIENCES

Dr. John J. Beasley, Chair

Professors: J. Beasley, B. Lane (Emerita)
Associate Professors: D. Cone, D. Pearce, T. Moore
Assistant Professors: V. Brinkley, E. Brown, S. Darrell, B. Fields, M. Kettler, C. Martin, S. Smith, D. Turner, P. Walton, S. Whitener (Emerita)
Instructors: K. Gaston, K. Kaufman, V. Richards
Laboratory Teachers: C. Ellis, J. Fortner

The professional programs offered by the unit are Apparel Design, Consumer Studies, Family and Child Studies, Foods and Nutrition, Interior Design and Housing, Restaurant, Hotel and Institutional Administration, Fashion Merchandising. The Foods and Nutrition Program has received approval by the American Dietetic Association Plan IV/V Competencies in the Dietetics Emphasis. Students may also choose the Hospitality Administration Emphasis.

APPAREL DESIGN

AD 250. SOCIAL AND PSYCHOLOGICAL ASPECTS OF CLOTHING
The cultural, social, psychological, and economic aspects of clothing which affect the selection and usage of clothing by the consumer. Prerequisite: PSY 251 or SOC 150 or ANT 150 or ECO 250 or ECO 260.

AD 168. INTRODUCTORY CLOTHING
Emphasizes selection, buying problems, construction and care of clothing. Experiences in the newer methods of construction and fitting. Two lectures, six laboratory hours weekly.

AD 350. PRINCIPLES OF TEXTILE/APPEL DESIGN
Development of basic drawing skills as related to functional, structural and decorative textile/appliance design. Prerequisites: ART 150, AD 168, FM 360.

AD 362. ADVANCED CLOTHING CONSTRUCTION
A study of social, psychological, and economics aspects of clothing. Provides an opportunity to gain experience in advanced construction skills. Prerequisite: AD 168.

AD 365. HISTORY OF COSTUME
Chronological survey of the development and characteristics of historic costume from the ancient Egyptian culture to the present. Prerequisites: HIS 152/253 and 252/253.

AD 399. SELECTED TOPICS IN APPAREL DESIGN
This course is scheduled on an infrequent basis to explore special areas in Apparel Design and will carry a subtitle.

AD 420. PATTERN GRADING
The study of sizing in ready-to-wear with emphasis on grading techniques necessary for developing production patterns. Prerequisite: AD 460 or consent of the instructor.

ADM 430. APPAREL TRADE AND REGULATIONS
Student will become familiar with internal and external controls and limitations of the apparel industry. Field trips will combine with lecture and discussion techniques and presentations by appropriate industry management. Prerequisite: FM 364.

AD 450. ADVANCED TEXTILES/DESIGN
Course will investigate traditional and new developments in yarns, fabrics and fabric finishes. Activities will include lecture and demonstration techniques supplemented by field trips to local plants. Prerequisite: FM 364.

*ADM 452. ADVANCED APPAREL PRODUCTION
The study of garment development and manufacturing including costing, cutting room processes and trim selection. Prerequisites: ADM 350 and ADM 351.

*ADM 454. QUALITY CONTROL/TESTING
AD 460. APPAREL DESIGN ANALYSIS I
Application of principles involved in designing apparel using flat pattern techniques. Prerequisite: AD 168.

AD 462. COMPUTER AIDED APPAREL DESIGN I
An investigation of the diverse applications of computer technology in apparel design and production. Field trips and computer laboratory experience. Prerequisites: AD 350, AD 420 and AD 460.

AD 470. APPAREL DESIGN ANALYSIS II
Application of principles involved in designing apparel using draping techniques. Prerequisite: AD 460 or consent of instructor.

AD 472. FUNCTIONAL APPAREL
Application of design strategies used in developing or acquiring garments suitable for functional limitations. Prerequisite: AD 460 or consent of instructor.

AD 491. INTERNSHIP IN APPAREL DESIGN
Supervised work-study program in an apparel design business selected by the student and pre-approved by the student's advisor. Students enrolled in the program must agree to abide by regulations governing all employees of the sponsor. 10-15 hours credit. S/U Grading. Prerequisites: 2.0 GPA; 60 hours in major course work with "C" or better grade; approval of advisor.

AD 562. COMPUTER AIDED APPAREL DESIGN II
Advanced work in computer aided design including pattern development and sketching. Prerequisite: AD 462.

* These are taught in the Industrial Technology Department. The other courses are taught by the Department of Family and Consumer Sciences.

FAMILY AND CHILD STUDIES

FCS 271. INTRODUCTORY FAMILY RELATIONS
Designed to give background in current concepts of the family and the developmental tasks that occur at each stage of the family life cycle.

FCS 371. LIFESPAN DEVELOPMENT
Investigates human development throughout the lifespan as influenced by the family and society using a practical holistic approach. Designed for majors in the health-related disciplines. Prerequisites: junior standing; SOC 150, PSY 251, BIO 271 and 272. Four hours lecture and two hours lab per week.

FCS 433. PRACTICUM IN CHILD DEVELOPMENT
Observation and participation in the Family Life Center Child Development Laboratory with scheduled seminar discussion groups. Designed as a companion course for Elementary Education 454. Preferred: FCS 471. FED 260 accepted.

FCS 471. CHILD DEVELOPMENT
Studies of growth patterns from conception to six years of age are made. Students observe and participate in the Family Life Center Child Development Laboratory. Prerequisites: PSY 251 and/or SOC 150 and FCS 271, or permission of instructor. Four hours lecture and two hours lab per week.

FCS 472. CHILDREN’S CREATIVE ACTIVITIES
Principles in selecting and presenting a variety of creative and practical experiences for young children (art, music, rhythm, dance, creative movement and drama) in the Family Life Center Child Development Laboratory. Three lectures and four laboratory and/or participation hours per week. Prerequisites: FCS 471 or permission of instructor.

FCS 474. PARENTING: FAMILY-CHILD INTERACTION
Emphasis on understanding the child in his/her own natural setting...the family. Methods of studying families, parent education, and teaching aids are explored. Prerequisites: Majors: FCS 271, FCS 471; Non-majors: PSY 251, or permission of instructor. Three hours lecture and four hours lab per week.

FCS 475. ASSESSMENT OF THE PRESCHOOL CHILD
Developmental assessment and research as related to the preschool child. Supervised observation and participation in the Family Life Center Child Development Laboratory and the community. Prerequisite: FCS 471. Three hours lecture and four hours lab per week.

FCS 476. ADMINISTRATION OF THE PRESCHOOL PROGRAM
Emphasis on direction and administration of child care centers in family and group settings. Personnel, space, physical facilities and food-service are studied. Supervised trips to child care centers. Prerequisite: FCS 471 or permission of the instructor. Three hours lecture and four hours lab per week.

FCS 479. AGING, LIFESTYLES AND ADAPTATION
Designed to interrelate life's losses, gains and growth processes. Investigates how value struc-
ture and goals impact lifestyles and how learning and coping strategies can enhance the quality of life. Prerequisite: Upper division status. Four hours lecture and two hours lab per week.

FCS 491. INTERNSHIP IN FAMILY AND CHILD STUDIES
Supervised work-study program in Family and Child Studies. Students are expected to interview for positions in businesses which are pre-approved by the internship professor. Students enrolled in the program must agree to abide by regulations governing all employees of the sponsor. Prerequisites: Approval by advisor and Division Director. 10-15 hours credit.

FCS 471. DEVELOPMENT IN INFANCY
Emphasis on development from prenatal period through the first twenty-four months of life. Laboratory experiences relating to child rearing practices and prediction of behavior. Prerequisite: FCS 471 or permission of instructor. Four hours lecture and two hours lab per week.

FCS 572. PRECEPTORIAL IN CHILD DEVELOPMENT
Application of knowledge and skills in directing experiences for preschool children. Students develop programs through planning, implementation and evaluation of daily activities. Ten laboratory hours required each week for each five hours credit. Prerequisite: Consent of Director of Division.

HEC 573. CHILDREN: DEVELOPMENT AND RELATIONSHIPS
Concentrated study of child growth and development from conception to age six years. Films, video tapes and unsupervised experiences with children outside of child development laboratories supplement classroom activities. Primarily for employed public school teachers seeking certification in Early Childhood Education. Not for resident student. Prerequisite: Senior or Graduate standing. Not a substitute for FCS 471 without prior approval from head of major program.

FCS 575. THE MIDDLE CHILD AND ADOLESCENT
Normal development of the child from age six through the teenage years with an emphasis on current issues that relate to these years; role of parent(s), family, and other adults in fostering their development. Prerequisites: Majors - FCS 271, PSY 251, FCS 471; Non-majors - PSY 251, or permission of instructor. Three hours lecture and four hours lab per week.

FCS 576. DEVELOPMENT IN LATE STAGES OF LIFE CYCLE
Adjustment of individuals and families to internal and environmental changes during middle age and aging years. Prerequisites: Majors - FCS 271, PSY 251; Non-majors - PSY 251, or permission of instructor. Three hours lecture and four hours lab per week.

FCS 577. FAMILY LIFE PROGRAMS
An emphasis on programs, procedures, techniques, resources and counseling skills needed to promote an understanding of family life education through the life cycle. Designed specifically for persons who are providing education in family life and in human sexuality.

FCS 578. READINGS IN FAMILY LIFE AND CHILD DEVELOPMENT
A study of current and classic research drawn from the behavioral sciences concerned with the family and its members. Special focus on changes in society and technology.

FOODS AND NUTRITION - DIETETICS - HOSPITALITY ADMINISTRATION

NFS 151. INTRODUCTORY FOOD SCIENCE
Develops basic understanding in the principles of food science and techniques of food preparation. Applies basic principles and skills involved in food preparation for use by individuals, families and volume foodservices. Examines the nutrient composition of food and appropriate sources of data. Prerequisite for advanced food science courses and an elective to general personal enrichment. Three lectures and four laboratory hours per week.

NFS 251. NUTRITION AND HEALTH
Considers the basic principles of nutrition and the relationship to the maintenance of physical fitness and the sense of wellness of the individual. Computer use for nutritional analysis is studied.

NFS 252. NUTRITION AND DIET THERAPY
The acquisition of knowledge and understanding of the principles of nutrition and the application of the principles to the nutritional needs of individuals and families in both good health and disease. Prerequisites: 10-hour laboratory science sequence. Five lecture hours per week.

NFS 253. NUTRITION MANAGEMENT FOR FOODSERVICE
The basic principles of nutrition are discussed from the standpoint of how the foodservice industry must assume responsibility for provid-
ing a healthy nutritional food supply. Prerequisite: NFS 151.

NFS 326. FOODSERVICE SANITATION
Principles of sanitation for institutional and hospitality foodservice facilities. Studies of food spoilage and foodborne illness, maintenance of sanitary food facilities, equipment and supplies and sanitation regulations and standards. Emphasis on establishing and managing procedures that ensure food safety in purchasing, storage, preparation and service of food. For Hospitality Administration emphasis, Foodservice Management minors, and Hotel and Tourism students only. Prerequisites: NFS 151, NFS 251 or 253 or permission of instructor.

NFS 351. NUTRITION
Considers fundamental principles of human nutrition and their application in selection of recommended diets for individuals and families. Three lectures, four laboratory hours weekly. For majors. Prerequisite: CHE 171, 172.

NFS 352. MEAL MANAGEMENT
Develops competencies in organization, management of time, menu planning and food service for various occasions while utilizing principles of nutrition and quality meal service. Studies are made of principles in the selection and arrangement of table appointments. Three hours lecture and four hours lab per week. Prerequisites: NFS 151, 251, or 351, or permission of instructor.

NFS 353. FOOD PRESERVATION TECHNIQUES
Methods of preserving foods are studied; experiments conducted. Recent developments in food technology reviewed. Prerequisite: NFS 151, 251; CHE 171, 172.

NFS 354. NUTRITION THROUGHOUT THE LIFE CYCLE
Emphasis on the role of nutrition and dietary needs in the growth, development and maintenance of health of individuals from birth to aging. Discussion of the impact of physiological changes on nutrition needs. Application of computers in nutritional analysis. Fundamentals of nutrition care delivery in community programs. Prerequisites: A five-hour course in nutrition (NFS 251, 252, 351) or consent of instructor; BIO 271, 272 desirable.

NFS 451. NUTRITION EDUCATION STRATEGIES
Emphasis on innovative communication of latest nutrition knowledge as it relates to developmental stages and learning. Integration of nutrition concepts into curriculum development for grades K-12. Development, selection and evaluation of nutrition education materials, identification of community/regional resources, agencies and legislation regarding nutrition. Principles of education and effective teaching methods studied. Prerequisites: Five hours of undergraduate nutrition and/or consent of instructor.

NFS 452. ADVANCED NUTRITION
Considers nutrition principles at an advanced level with respect to requirements, functions and metabolism of various nutrients. Prerequisite: BIO 271, 272; CHE 380; NFS 251 or 351, or consent of instructor.

NFS 453. THERAPEUTIC NUTRITION
Study of modification of norm diet for therapeutic purposes. Application of computer use for dietary analysis and nutritional assessment, planning, intervention, and evaluation examined. Effective communications, documentation, counseling and interviewing studied. Quality assurance investigated. Prerequisites: BIO 271, 272; CHE 380; NFS 251 or 351, NFS 452 or consent of instructor.

NFS 454. EXPERIMENTAL FOOD SCIENCE
Study of chemical, physical and biological properties of food and ingredients. Investigation of relationship of methods and techniques and proportions of ingredients and their effect on the quality of the product. Emphasis on basic concepts of research methodology, statistical analysis and technical report preparation. Three hours lecture and four hours laboratory weekly. Prerequisites: NFS 151; CHE 171, 172; NFS 251, STA 255 or consent of instructor.

NFS 455. CULTURAL AND SCIENTIFIC ASPECTS OF FOOD AND NUTRITION
Analysis of food as applied to the individual and the community. Examines the influence of socioeconomic, cultural and psychological factors of food and nutrition behavior. International food patterns examined. The provision of world food supplies and consequent nutritional problems are studied. Prerequisites: NFS 151 and five hours of nutrition.

NFS 457. QUANTITY FOOD PRODUCTION
Application of principles of food science and techniques of food preparation to volume food production for foodservice facilities. Menu planning for nutrition of individuals and groups in health and disease is studied. Food production, distribution and service are emphasized. Laws and regulations affecting food production are considered. Computer use as a production control is examined. Three lectures and four
laboratory hours weekly. Prerequisites: NFS 151, NFS 326 or BIO 284, CIS 251 or permission of instructor.

**NFS 459. FOODSERVICE MANAGEMENT PRACTICUM**
Supervised practicum with selected agencies which perform educational services directly related to the precepts of the Foods and Nutrition major. Work sites will be selected by the faculty member directing the practicum and will be with business, institutions or governmental agencies performing services related to the major. Students enrolled in the program must agree to abide by regulations governing all employees of the sponsor. Permission of the instructor.

**NFS 467. CATERING AND BEVERAGE MANAGEMENT**
Application of food science and management principles to quantity food preparation for special events, both on- and off-site. Principles of planning, production, service, presentation and evaluation of catering activities will be emphasized. Two lecture hours, six laboratory hours per week. Pre-requisites: NFS 151, NFS 457, or permission of instructor.

**NFS 491. INTERNSHIP IN FOODS AND NUTRITION**
Supervised work-study program in a selected foodservice management facility. Students are expected to interview for jobs in facilities which are approved by the College. Students who apply for the preceptorial must agree to work for the entire quarter, 5-15 hours credit. This course does not substitute for a post-graduate American Dietetic Association Accredited Internship. Prerequisites: NFS 456, 457, 458 and consent of Division Director and Instructor.

**GENERAL HOME ECONOMICS**

**HEC 210. PERSPECTIVES IN HOME ECONOMICS**
A study of factors and individuals influencing the history of Home Economics; present status of the discipline; future directions; and career opportunities.

**HEC 222. SOCIAL SURVIVAL SKILLS**
A study of etiquette and social interaction as they relate to social gatherings, the work environment and daily living. Students will be encouraged to incorporate the principles of professional and personal courtesies into their lifestyles. Course is appropriate for all majors.

Class will meet one evening session during the quarter.

**HEC 399. SELECTED TOPICS IN HOME ECONOMICS**

**HEC 490. SPECIAL PROBLEMS IN HOME ECONOMICS**
Fits needs of transfers and advanced undergraduate students. Content designed to add depth to the student's planned program. Individual projects required. Prerequisite: permission of Division Director. Variable credit.

**HEC 491. INTERNSHIP IN HOME ECONOMICS**
Supervised work-study program with selected agencies which perform professional services related to the precepts of Home Economics. Work sites will be selected by students and approved by the student's advisor. Students enrolled in the program must agree to abide by regulations governing all employees of the sponsor. Prerequisite: Approval by advisor and Division Director. 5-15 hours credit.

**HEC 580. PROMOTIONAL TECHNIQUES**
Materials and techniques applicable to the major's professional performance.

**HEC 599. SELECTED TOPICS IN HOME ECONOMICS**

**HOME ECONOMICS EDUCATION**

**SED 352. METHODS FOR TEACHING HOME ECONOMICS**
An introduction to various methods and materials for teaching Home Economics in the school. Prerequisite: FED 251, FED 260, FED 361.

**HEC 536. HOME ECONOMICS PROGRAMS FOR ADULTS AND OUT-OF-SCHOOL YOUTH**
A study of techniques and materials, structure and content for instruction of adult, school and community groups. Prerequisite: SED 352.

**HEC 538. RECENT TRENDS IN HOME ECONOMICS IN THE SECONDARY SCHOOL**
Designed as an institute for secondary teachers of Home Economics. Development, direction and evaluation of learning experiences for youth. Prerequisite: Teacher Certification.

**HEC 559. CONSUMER EDUCATION WORKSHOP**
Analysis, review and development of curriculum guides, learning packages, and materials are focus of course. Designed for public school personnel, grades 1-12, concerned with implementing Consumer Education Programs. Three-week session. Fifty hours contact. Prerequisites: Admission by recommendation of State Department of Education.
HEC 595. SPECIAL PROBLEMS
Analysis, review and development of instructional materials, strategies for Home Economics programs within specified content areas. Emphasis upon individualization of instruction and evaluation of curriculum materials. Admission upon recommendation of State Department of Education. Five hours credit each quarter with maximum of fifteen hours permitted toward degree requirements.

INTERIOR DESIGN AND HOUSING
IDH 281. HOUSING AND INTERIORS
Emphasizes aesthetic and economic values of home planning, building and furnishing. Laboratory work comprised of practical experience and experiments. Three lectures, four laboratory periods per week. Field trips.

IDH 282. PRESENTATION IN INTERIOR DESIGN
Fundamental executions of design problems with refinement of skills in presentation, including measured and freehand perspectives, renderings, and models in verbal and visual form. Prerequisites: TD 152, IDH 281. One hour lecture and eight hours lab per week.

IDH 283. WORKROOM I
Emphasizes the pattern selection, fabric selection, and construction techniques used in sewing projects for interiors. Two lectures, six laboratory hours weekly.

IDH 380. TEXTILES FOR INTERIORS
Investigates the production, specifications and regulations, and serviceability of textiles for residential and commercial design. Emphasis on soft floor coverings, upholstered furniture, textile wall and window coverings and other current developments in institutional and residential textiles. Field trips required.
Prerequisite: IDH 281.

IDH 381. ELEMENTS OF INTERIOR DESIGN: RESIDENTIAL
Fundamentals of design as applied to the residential setting. Laboratory required. Prerequisite: IDH 282, IDH 380. One hour lecture and eight hours lab per week.

IDH 382. SURVEY OF INTERIORS: HISTORICAL
Development of home furnishing and interiors from Egyptians to 1900. Prerequisite: IDH 281. Field trips.

IDH 383. CONTEMPORARY FURNISHINGS
Emphasizes on designers, products and history of the contemporary design movement (since 1900). Prerequisite: IDH 382.

IDH 385. HOUSEHOLD PHYSICS AND EQUIPMENT
Considers selection, use and care of household equipment. Principles of household physics and design as related to use and safety are studied. Five lectures.

IDH 481. SELECTION OF FURNITURE, MINOR HOME FURNISHINGS, AND ACCESSORIES
Materials, design development, construction, coordination, quality, cost and appropriateness to use of furnishings and accessories. Standards of performance and appearance obtainable at varied price levels.

IDH 482. INTERIOR DESIGN WORKROOM PROCESSES
Analysis of cost estimation, specifications, working details in professional presentations. Techniques and principles involved in professional furniture-finishing and construction of draperies, slip covers and upholstery. Three lectures, four laboratories per week. Prerequisites: IDH 283, IDH 380, or by permission of instructor.

IDH 483. HOUSING IN RELATION TO FAMILY LIFE
A study of housing with emphasis on demographic, social, economics and psychological factors; emphasis on changing needs and standards for stages of the family cycle.

IDH 485. LIGHTING FOR INTERIORS
The application of elements and principles of lighting to the design of the visual environment. Includes lighting quality, quantity, economics and aesthetics. Prerequisite: IDH 281, IDH 381, IDH 385. Three hours lecture and four hours lab per week.

IDH 486. CONTRACT INTERIOR DESIGN
Fundamentals of open and closed office space planning and programming; constraints of contract/commercial design including building codes and regulations. Prerequisite: IDH 381. One hour lecture and eight hours lab per week.

IDH 487. PROFESSIONAL PRACTICES AND PROCEDURES FOR INTERIOR DESIGN
A study of professional procedures in the Interior Design profession, including business practices involving contracts, fees, forms and licenses; professional organizations; ethical constraints; and, relationships within the various segments of the profession. Prerequisite: Junior status, IDH 282. Four hours lecture and two hours lab per week.

IDH 585. KITCHEN DESIGN
A study and application of kitchen designing principles. Designing, planning, drawing, and
writing specifications for functional, aesthetically pleasing kitchens. Field trips will be part of the course. Home Economics Prerequisite: IDH 385, TD 152, or permission of instructor. Four hours lecture and two hours lab per week.

IDH 887. READINGS IN HOUSING

RESTAURANT, HOTEL AND INSTITUTIONAL ADMINISTRATION

RHI 153. INTRODUCTION TO RESTAURANT, HOTEL AND INSTITUTIONAL ADMINISTRATION

Introduces the student to the history and operation of restaurants, hotels and institutions. Examines the various types of characteristics of hospitality establishments. Required course for Restaurant, Hotel, and Institutional Administration majors. Elective for the non-major interested in developing a perspective and appreciation of the hospitality industry.

RHI 336. DINING ROOM MANAGEMENT IN RESTAURANTS, HOTELS AND INSTITUTIONS

The study of dining room service from a managerial perspective. Establishes quality standards of food and beverage service. Explores dynamics of front of the house operations; effective employee training; motivation; and job performance. Studies styles of service. Investigates unions, labor costs, cashing, and revenue controls. Prerequisites: MAT 151; NFS 151; NFS 253; NFS 326; RHI 153 or permission of instructor.

RHI 355. RESTAURANTS, HOTELS, AND INSTITUTIONS FACILITIES DESIGN AND MAINTENANCE

Provides a general analysis of all the phases involved in the planning, execution, and maintenance of a Hotel or Restaurant. Emphasis will be placed on the preplanning stage of design development, blueprint information, installation factors, fire/safety code regulations, environmental controls, and facility maintenance. Prerequisite: For RHI majors only.

RHI 357. INSTITUTIONAL HOUSEKEEPING

Considers the relationship of management science to professional housekeeping. Develops conceptual planning skills for house breakout, staffing considerations, scheduling and material use. Explores techniques of hiring and training housekeeping employees. Investigates need for documentation, planning computers, communication, security, safety and human resource management skills in executive housekeeping. Prerequisites: RHI 153 and RHI 456.

RHI 451. MARKETING AND SALES IN RESTAURANTS, HOTELS AND INSTITUTIONS

Analysis of the marketing perspective in the hospitality industry. Segmentation, consumer preference, distribution and marketing methods are examined. Identifies the marketing plan and the role of marketing and sales and determines marketing operations and research.

RHI 456. PURCHASING FOR RESTAURANTS, HOTELS AND INSTITUTIONS

Study of needs, procurement, storage, cost control, inventory management and computer use in relation to control of quality and financial management for restaurants, hotels and institutions. Emphasis on establishment and implementation of the sub-systems found within the purchasing function. Quality standards used in purchasing are studied. Laws and regulations affecting purchasing are investigated. Prerequisites: CIS 251, NFS 151 or permission of instructor. Four hours lecture and two hours lab per week.

RHI 462. HOTEL OPERATIONS

The study of organization, planning, leadership, decision-making and administration of hotels with emphasis on front desk operations. Investigation of the interdependence of the housekeeping, engineering, security, guest services, food and beverage, marketing, personnel, purchasing, accounting and front desk departments in successful hotel operations. Computer information systems in hotel operations are utilized. Prerequisites: MGT 351, 371, 475; NFS 326, RHI 336, 357, 451, 456; NFS 457; ACC 260 or permission of instructor.

RHI 491. INTERNSHIP IN RESTAURANT, HOTEL AND INSTITUTIONAL ADMINISTRATION

Supervised work-study program in a restaurant, hotel or other institution. Students are expected to interview for positions in facilities which are approved by internship director. 10-15 hours credit. Prerequisites: Consent of Division Director and instructor.

RHI 556. COST CONTROL IN RESTAURANTS, HOTELS AND INSTITUTIONS

Analysis of fundamentals and techniques of cost control in foodservice, hotel and resort management. Management procedures to control costs from purchase through service are studied. Emphasis is placed on strategic planning, budgeting, efficiency, labor management and productivity, energy management, production, service and computers as they relate to
controlling costs. Prerequisites: NFS 458 or permission of instructor.

RHI 558. ORGANIZATION AND ADMINISTRATION IN RESTAURANTS, HOTELS AND INSTITUTIONS
The study of organization, management and administration of restaurants, hotels and institutional programs with emphasis on planning, leadership and decision making. Investigation of effective communication; laws, regulations and standards as they relate to management. Considers merchandising and promotion in restaurants, hotels and institutions. Principles of education and effective teaching methods as they relate to employee training and inservice education are studied. Study of human relations and group dynamics. Use of computers and their applications in organization and management are emphasized. Prerequisites: NFS 151, NFS 457 or permission of instructor.

RESOURCE MANAGEMENT AND EQUIPMENT

HEC 380. THE CONSUMER/BUYER IN THE MARKET
Problems of the family and the individual in the selection and purchase of consumer goods in relation to the present market organization.

HEC 438. RESOURCE MANAGEMENT THEORY
Analyzes use of resources in the management process; applies principles of management, decision-making and human relationships to a variety of individual and family settings, ranging from the traditional to the handicapped.

HEC 486. FAMILY ECONOMICS AND PERSONAL FINANCE
Considers the consumer in American society; management of family financial resources, legal protection and consumer responsibility in the marketplace.

HEC 488. RESOURCE MANAGEMENT LABORATORY
Resource management principles are applied in simulated residential environments. Relates management principles to specific individual and familial conditions. Advance registration with Division Director required. Students pay campus housing fee and meal plan is designated by instructor. Requires 2.0 GPA for admission and a minimum of 135 hours credit toward the major. Prerequisites: FCS 271; IDH 385; NFS 151, 351, 352; HEC 457, 486.

FASHION MERCHANDISING

FM 260. CLOTHING AND CONSUMER BEHAVIOR
A study of the aesthetic, economic, and psychosocial problems involved in planning, selecting, buying, and caring for textiles and clothing for the family group. Field trips.

FM 360. FASHION FUNDAMENTALS
Emphasizes fashion terminology, historic apparel, prominent and influential designers, leading fashion centers, auxiliary fashion enterprises, job opportunities and current trends in merchandising.

FM 361. PRINCIPLES OF MERCHANDISING
Emphasizes fashion resources, merchandise assortments and the fashion buyer's responsibilities in various types of merchandising organizations. (Field trip.) Prerequisite: FM 360.

FM 363. FASHION PRESENTATION AND PROMOTION
Principles and practice of merchandise presentation and promotion at the wholesale and retail levels. Experience in planning, executing and evaluating fashion promotions. (Field trip). Prerequisites: FM 361 and FM 364.

FM 364. TEXTILES
Emphasizes characteristics, manufacturing processes and properties that affect the selection, use and care of textile goods. Possible field trips.

FM 365. VISUAL MERCHANDISING
Explores principles and application of the visual presentation of merchandise including display, design and materials appropriate to a store's image. Prerequisite: FM 361.

FM 366. TEXTILE ARTS
A study of both antique and current textile arts including needlework, quilting, fabric decoration and trends in machine production. Emphasis on personal skill development. Field trips and guest lecturers. Prerequisite: TFM 168 or consent of instructor.

FM 399. SELECTED TOPICS IN FASHION MERCHANDISING
This course is scheduled on an infrequent basis to explore special areas in fashion merchandising and will carry a subtitle.

FM 491. INTERNSHIP IN FASHION MERCHANDISING
Supervised work-study program in a fashion related business selected by the student and pre-approved by the student's advisor. Students enrolled in the program must agree to abide by regulations governing all employees of the
DEPARTMENT OF HEALTH SCIENCE EDUCATION

David Foulk, Head, Professor
Assistant Professors: L. Bryant, P. Carr, R. LeFari, M. Okeke
Associate Professor: F. Radovich
Instructor: L. Wolfe

The Department of Health Science Education serves the undergraduate population with health service courses, offers professional health education requirements, and provides the Bachelor of Science in Health Science degree with majors in either Community Health or Health and Fitness Promotion.

HEALTH SCIENCE COURSES

HTH 131. PERSONAL HEALTH PROMOTION
Emphasis is placed on critical health issues. This course is designed to enable the student to evaluate his/her present health status and learn how to achieve an optimum level of health.

HTH 259. SPECIAL PROBLEMS IN HEALTH
A course designed to service the graduate and undergraduate student through Coastal Area Teacher Education Service. Students receiving graduate credit are required to perform above and beyond the level expected of the undergraduate.

HTH 320. FIRST AID
Theory and practice of administering first aid to victims of accidents and sudden illness. American Red Cross “Standard First Aid and Personal Safety” and “CPR” Certification.

HTH 321. MEDICAL TERMINOLOGY
Provides a working knowledge of the elements of terms related to the human body in health and disease. Descriptive definitions and applications of practical significance are included with emphasis on the meaning of word roots and combining forms.

HTH 350. ADVANCED HEALTH PROMOTION
Based upon the most current and accurate health information, this course is designed to enable the individual to make decisions concerning personal health behavior. Prerequisites: HTH 131 or BIO 271.

HTH 450. HPER FOR EXCEPTIONAL CHILDREN

HTH 451. PUBLIC HEALTH
Designed to equip the learner with an overview of public and environmental health concepts. Contemporary issues are discussed including health services, health promotion, politics of health care and a variety of other public health issues.

HTH 491. INTERNSHIP IN HEALTH SCIENCE
Supervised work-study program in a health related, fitness, or wellness setting. Students are expected to interview for positions which are pre-approved by the internship supervisor. (a 2.0 GPA and completion of all other coursework is required to enroll in this course.)

HTH 495. SPECIAL PROBLEMS
An opportunity for advanced student to pursue a health oriented problem.

HTH 531. HEALTH FOR ELEMENTARY SCHOOLS
Introduces the student to the basic phases of the elementary school program from grades K-8. It is designed primarily for teacher education but should be of interest to educators in general and community health workers in clarifying problems as they relate to the elementary school health program. One-hour lecture and two two-hour laboratories per week.

HTH 550. GENERAL SAFETY AND FIRST AID
An analysis of the nature and scope of the accident problem. Special emphasis is placed on accident causation and prevention. Also, the theory and practice of administering first aid to victims of accidents and sudden illness. American Red Cross “Standard First Aid and Personal Safety” and “CPR” Certification.

HTH 555. ORGANIZATION AND MATERIALS OF THE SCHOOL HEALTH PROGRAM
This course involves the student with three phases of the school health program, health education, health services and the healthful school environment, as they relate to grades 9 through 12.
HHT 556. ORGANIZATION AND DEVELOPMENT OF SCHOOL HEALTH PROGRAM
A course designed to involve the student in the concepts of the total school health program including historical and legal basis, general organizational aspects and principles and trends of the field.

HHT 557. HEALTH PROMOTION PLANNING AND RESEARCH
This course is designed to give an overview of lifestyle patterns and problems. Lectures and small group discussions are topically oriented, and will provide opportunity for learning skills in decision making and behavior change. Prequisite: HHT 350.

DEPARTMENT OF NURSING
M. Christine Talmadge, Acting Chair, Associate Professor
Professor: M. Coleman
Associate Professors: J. Alberto, C. Hanson, K. Koon, C. Simonson
Instructors: J. Ambrogne-Smith, N. Bryant, S. Lynn, A. Rushing

Georgia Southern University's Department of Nursing offers degree programs at the baccalaureate and masters levels. The Nursing faculty is committed to helping meet the nursing care needs of the multiethnic undeserved rural population of the region by providing high quality nursing educational programs.

The nursing faculty stress caring as a central concept in the curriculum and as the essence of nursing practice. The Department of Nursing programs incorporate high academic and ethical standards, and a caring, learning environment for students.

The Bachelor of Science degree with a major in nursing (BSN) is a four year program that is fully accredited by the Georgia Board of Nursing and the National League of Nursing. Graduates of the program are eligible to take the National Council of State Board of Nursing Licensure Examination for Registered Nurses (NCLEX-RN).

The program of study for the BSN degree requires 13 quarters of full time study. Coursework includes 101 credit hours of general education and support courses and 99 credit hours of nursing courses. Degree requirements include both classroom and clinical experiences. Clinical course settings include large urban hospitals, smaller rural hospitals, nursing homes, and community health care agencies such as public health departments, home health care agencies, industrial settings, schools, clinics, and physician offices. Students are responsible for their own transportation to and from clinical settings, some of which may be as far away as 50 miles from campus. Required clinical experiences include both day and evening hours beginning with the junior level nursing courses.

BSN nursing program applicants must meet the University entrance requirements as described in the University general catalog. Once admitted to the University, students are assigned as academic advisor from the nursing faculty. The faculty advisor will assist the student in planning a program of study that will meet the requirements for the BSN degree.

Students are eligible for admission to the first nursing course if they have completed 45 specified credit hours of core curriculum prerequisites. The student must have completed the second chemistry course with a "C" or higher grade and must have completed or be enrolled in Biology 271 (Human Anatomy & Physiology I) the quarter before they begin the first nursing course. Admission policies and applications forms may be obtained from the Nursing Department.

Space is limited in the nursing program. Not all eligible students may be admitted. Priority may be given to eligible students who are from rural Georgia and who express a desire to live and work in rural areas after graduation. Consideration is also given to insure a balanced student body representative of the racial and ethnic mix of the rural southeast. Licensed professional nurses, licensed practical (vocational) nurses, corpsmen or transfer students from other nursing schools are individually evaluated for transfer credit. Depending on individual background and experiences, students may be eligible to earn credit in some nursing courses by proficiency
NUR 251. INTRODUCTION TO NURSING ROLES AND FUNCTIONS
An introduction to the conceptual framework of nursing at Georgia Southern University, a survey of client systems, beginning nursing skills with an emphasis on the aged adult. Prerequisite: CHEM 171, 172; BIO 271. Corequisite: BIO 272; NFS 252.

NUR 252. INTRODUCTION TO NURSING ROLES AND FUNCTIONS II
Continued emphasis on the fundamental skills necessary to screen and assess clients, promote health and maintain wellness. Beginning nursing interventions using clients in gerontological and acute surgical settings. Prerequisite: NUR 251. Corequisite: BIO 284.

NUR 321. NURSING THE WELL PERSON
Focus is on health promotion, health assessment activities and illness prevention. Introduces the concept of stress, its impact on health and stress management programs. Prerequisites: Level I Nursing courses. Corequisites: NUR 351 and 341 or permission of the instructor.

NUR 322. NURSING TOOLS 1: COMMUNICATION
Focuses on communication including self-awareness, assessing communication skills in self and others, theories of assertiveness, transactional analysis, conflict resolution and values clarification and examining the influence of culture on communication. Analysis of communication patterns within groups is related to goals, roles, leadership styles and developmental processes. Prerequisites: Level I nursing courses, NUR 351, 341, and 321. Corequisite: NUR 352 and 342 or permission of instructor.

NUR 323. NURSING TOOLS 2: CARING
Caring, the central concept of nursing, will be analyzed and developed as the basis of all nursing care. The stages and behaviors specific to and the factors that influence caring are explored. Nurse caring relationships will be compared to other caring relationships. Techniques of caring for self and others. Prerequisites: Level I nursing courses, NUR 351, 341, 321, 352, 342 and 322. Corequisites: NUR 353, 343 or permission of the instructor.

NUR 341. NURSING THE EXPANDING FAMILY, PRACTICUM
Content is correlated with NUR 351, Nursing the Expanding Family, focuses on the normal healthy, perinatal expanding family. Students assess, plan, implement, and evaluate nursing care of selected individuals and families. Practicum settings: homes, community hospitals, public health departments and physicians's offices. Prerequisites: Level I nursing courses. Corequisites: NUR 351 and 321.

NUR 342. NURSING PROBLEMS I, PRACTICUM
The practicum corresponds to NUR 352 and provides clinical experiences in acute care community hospitals, clinics and psychiatric-mental health facilities. Client systems include individuals of all ages and their families. Prerequisites: Level I Nursing courses, NUR 351, 341 and NUR 321. Corequisites: NUR 352 and NUR 322.

NUR 343. NURSING PROBLEMS II, PRACTICUM
The practicum corresponds to NUR 353 and provides clinical experiences in acute care community hospitals, clinics and psychiatric-mental health facilities. Client systems include individuals of all ages and their families. Prerequisites: NUR 352, 342 and NUR 322. Corequisites: NUR 353 and NUR 323.

NUR 351. NURSING THE EXPANDING FAMILY
Focus of this course is on promotion of health of the normal perinatal expanding family. Theories of family development are explored with emphasis on health assessment, promotion, and maintenance. The normal aspects of the four trimesters of pregnancy, parenting, family developmental tasks and health education are examined. Prerequisites: Level I courses. Co-requisite: NUR 341 and 321.
NUR 352. NURSING PROBLEMS I
Focus of course is the concept of illness and the impact of illness and hospitalization on the individual and family. Includes common manifestations of illness and nursing responses to these manifestations. Content includes the roles and functions of the nurse in relation to ill clients. Prerequisites: Level 1 Nursing courses and NUR 351, NUR 341 and NUR 321. Corequisites: NUR 342 and NUR 322.

NUR 353. NURSING PROBLEMS II
Focuses on the nursing care given in response to health problems related to lifestyle, fluid and electrolyte, energy and self-image problems. Prerequisites: Level 1 Nursing courses, NUR 352 and NUR 342 and NUR 322. Corequisites: NUR 343 and NUR 323.

NUR 355. URBAN TERTIARY NURSING PRACTICUM
Provides practicum in an urban tertiary health center focusing on clients with acute multi-system problems. Students apply the nursing process and nursing skills with clients with acute multi-system problems. Prerequisites: NUR 342, NUR 343, NUR 322 and NUR 323. Corequisites: NUR 391.

NUR 391. URBAN TERTIARY NURSING
Content, which is correlated with Nursing 355, is derived from nursing care responsive to problems and manifestations related to urbanization, shock and pain, disturbed sensorium, oxygenation, and lifestyle changes. Prerequisites: NUR 352, NUR 353, NUR 322 and NUR 323. Corequisite: NUR 355.

NUR 395. INTRODUCTION TO PROFESSIONAL NURSING CONCEPTS
This course introduces the Registered Nurse student to the philosophy and conceptual framework of the Department of Nursing. The student explores four major schools of thought which have influenced the development of nursing and examines the nursing process. Three conceptual tools, health and wellness promotion, communication and interpersonal relationships and caring for self and others, used by professional nurses are examined.

NUR 399. SELECTED TOPICS IN NURSING
Study of selected nursing topics. Course credit varies from 1 to 15 credit hours.

NUR 421. NURSING TOOLS 3: TEACHING/LEARNING
The concepts and skills of teaching and learning with emphasis on assessing the learning needs of clients using principles of learning according to major learning theorists. Practice in passive and active teaching strategies provided. Prerequisites: NUR 321, 322 and 323 or permission of the instructor.

NUR 423. HEALTH CARE OPTIONS
Explores the variety of alternative health care measures utilized by the people in the rural South. The non-scientific health care options chiefly chosen in rural Georgia are systematically examined, and ways to combine scientific and folk medicine, other health options and non-traditional health care providers are studied. Prerequisites: Second level nursing, NUR 445 or permission of instructor.

NUR 448. NURSING RESEARCH
The analytical tools of research will be the focus of this course. The student will develop a knowledge of the research critique and evaluate nursing research articles. The relationships of nursing research to nursing theory and nursing practice is explored including epidemiology and grounded theory. Focus on reading and critiquing research as well as exploring ways of using research findings in practice. Prerequisites: NUR 321, 322, 323 and 421 or permission of the instructor.

NUR 441. RURAL PRIMARY CARE NURSING PRACTICUM
Practicum corresponding to NUR 456. Clinical experiences will be provided in rural community health care settings such as clinics, health departments, home health agencies, field trips, industries, health fairs, etc. Client systems will include individuals, families and communities. Prerequisites: Second level nursing. Corequisite: NUR 456 and NUR 421.

NUR 443. NURSING PEOPLE AT RISK, PRACTICUM
Practicum corresponding to NUR 457. Guided experiences in various mental health agencies, acute care hospital and public and home health agencies. Nursing interventions for reducing risk factors that contribute to health problems are emphasized. Prerequisites: Second level nursing, NUR 456, NUR 441 and NUR 421. Corequisite: NUR 457, 422.

NUR 445. TRANSCULTURAL HEALTH CARE
An examination of the cultural components of health care. Content examines the impact of culture on the acceptability of care, rural politics and health care policy and program, impact of poverty on health care, sexism and racism in health care. Prerequisites: Introduction to Sociology.
NUR 447. NURSING ISSUES
Content addresses legal, economic, control and scope of practice, educational, social, ethical, philosophical and professional issues that have confronted nursing since Nightingale's time. It traces the issues' historical roots, investigating nursing's various selections through the time and constructing possible future personal and professional responses. Prerequisite: Permission of the instructor or senior standing.

NUR 456. RURAL PRIMARY CARE NURSING
Introduces the student to community health and the role and functions of the nurse in rural community health settings. Content focuses on the family and community as a client system. Prerequisites: Second level nursing course. Corequisites: NUR 441 and 442.

NUR 457. NURSING PEOPLE AT RISK
The course explores health problems that place the patient at risk. Includes high risk infants, children, adults and aged. Prerequisites: Second level nursing, NUR 421, 441 and 456. Corequisites: NUR 443 and 448.

NUR 458. NURSING MANAGEMENT AND INTERDISCIPLINE COLLABORATION
Leadership and management in an interdisciplinary environment including leadership skills, management techniques, change strategies, burnout and techniques for self-renewal, reducing professional shock in the transition to graduate nurse status. Prerequisites: Second level nursing, NUR 421, 441 and 456. Corequisites: NUR 443 and 448.

NUR 463. NURSING MANAGEMENT AND INTERDISCIPLINE COLLABORATION, PRACTICUM

NUR 470. HEALTH AND THE AGING PROCESS
This course is designed to explore the aging processes and health promotion and health maintenance activities. Theories of aging, the effects of aging on the psychosocial health status, common health problems and health services and resources are examined. The cost of health services as it relates to prevention of illness and health promotion to maintenance of health and restoration of health are also explored.

NUR 495. INDEPENDENT STUDY
This course is designed to allow the individual student to study or investigate an area of interest under the direction of a faculty member. Prerequisite: Permission of instructor. Credit hours vary from 1-5 credits.

NUR 499. SELECTED PROBLEMS IN NURSING
Independent field and laboratory investigation under faculty supervision. Faculty and students collaborate to formulate the objectives and requirements (1 to 15 quarter hours).

NUR 550. PHYSICAL ASSESSMENT ACROSS THE LIFESPAN
A foundation course for assessing physical wellness. Students will explore methods of data collection, assessment procedures and will analyze findings relating to health histories and physical examinations across the lifespan. This course will be used as a prerequisite course for the Master of Science in Nursing.

DEPARTMENT OF RECREATION AND LEISURE SERVICES
H. Eisenhart, Chair, Professor
Professor: P. Thomason
Associate Professors: W. Becker
Assistant Professors: L. Blankenbaker, M. Morgan, D. Shelar, I. Oh, J. Bigley, T. Perry

The Department of Recreation and Leisure Services offers graduate and undergraduate emphases in Public Recreation, Therapeutic Recreation, Commercial Recreation, Outdoor Recreation and hospitality and Tourism Management.

REC 100-411 a,b,c. RECREATION CONVOCATION
Provides an opportunity for the freshman through senior student to interact with practitioners from public, private, commercial and other recreation agencies.

REC 151. INTRODUCTION TO RECREATION
Designed for both majors and non-majors, this course examines cultural and personal recreation attitudes and behaviors, as well as the rapidly growing field of leisure services in America. Commercial, outdoor, therapeutic, public, volunteer agency, military, church,
industrial recreation and hotel and tourism management areas are explored.

REC 152. RECREATION LEADERSHIP
Deals with the philosophical and practical aspects of program construction, leadership skills and methods.

REC 252. PROGRAM PLANNING
Provides methodology, philosophy, and experiences in program development for recreation agencies.

REC 365. OUTDOOR RECREATION
Designed to help the student gain an understanding of various alternatives in management of human behavior in the recreation setting and an understanding and appreciation for how and why people perceive and respond to physical, social, and managerial aspects of the environment. Examples of topics include: value and future demands for outdoor recreation, conflicts between user groups and social carrying capacity.

REC 322. FACILITIES AND EQUIPMENT MAINTENANCE
Familiarizes the student with systematic and preventive maintenance approaches. Concentration is on maintenance problems frequently experienced with facilities and equipment in each of the recreation curriculum emphases.

REC 366. INTERPRETIVE METHODS.
Designed to help the student answer three main questions: What is environmental and historical interpretation? How does one become an effective interpreter? How can the effectiveness of interpretation be measured?

REC 367. NATURAL RESOURCE RECREATION MANAGEMENT
Familiarizes the student with the development of recreation resource policy; furthering an understanding of the biological and physical sciences that underlie sound land use planning and management; furthering acquisition of knowledge and understanding of ecology, preservation and uses of natural resources. Includes evaluating the multiple uses and impact, including the trade-offs, in balancing recreation use with natural resource uses.

REC 351. ORGANIZATION AND ADMINISTRATION OF PUBLIC RECREATION
Provides the student with philosophies and foundations for the organization and administration of public recreation agencies.

REC 352. SURVEY OF TRAVEL AND TOURISM
Introduces the student to Travel and Tourism Services as an Area of Study and as a professional opportunity.

REC 353. SUPERVISION IN RECREATION
Provides for understanding, experiences and methodology for roles as supervisors in the recreation field.

REC 354. CAMPING AND OUTDOOR RECREATION
Trains students for positions as camp leaders and counselors; includes camping skills; nature and outdoor activities and camp counselor techniques.

REC 356. RECREATION AND PERSONS WITH DISABILITIES
An introduction to the provision of recreation services to persons with disabling conditions in clinical, community and transition settings.

REC 362. COMMERCIAL RECREATION.
A study of the commercial recreation setting. Topics covered include a comparison of profit and non-profit recreation settings interrelationships between recreation, food services, sales, accommodations and facilities maintenance.

REC 372. HOSPITALITY MANAGEMENT
Introduces the student to hotel management, including: guest services and support functions, special events operations and career opportunities.

REC 358 a,b,c. PRACTICUM
Places the student in a leadership position with a leisure service industry or agency. Prerequisite: REC 151, 152, 252. (Student must have at least a 2.0 GPA to enroll in this course.)

REC 398. PROBLEMS IN RECREATION
Selected topics related to leisure and recreation services.

REC 451. RECREATION RESEARCH
Covers locating and understanding recreation research. Additionally, the student is introduced to hypothesis generation, research methodology and statistical analysis as applied to recreation and leisure services.

REC 452. FACILITIES PLANNING
Introduces the student to methods currently used to predict recreation demand, utilization of demand projections in long-range master planning and the relationship between master plans and specific site development projects.

REC 453. PUBLIC RELATIONS
Provides an understanding of the concepts and techniques of effective public relations for the promotion of public recreation services.

REC 454. INTRODUCTION TO THERAPEUTIC RECREATION
Provides an introduction to the field of therapeutic recreation services, with emphasis on the
delivery of appropriate leisure services to individuals with special needs in clinical, transitional and community settings.

**REC 455. THERAPEUTIC RECREATION PROGRAMMING**
Clinical Setting. Provides an in-depth study of the principles and procedures of therapeutic recreation program development, design, implementation and evaluation.

**REC 456. SPECIAL PROBLEMS IN THERAPEUTIC RECREATION SERVICES**
An in-depth examination of special problems in the field of therapeutic recreation services. Areas studied include establishing professional service relationships with clients, conducting individualized diagnostic assessments and evaluations of client ability and disability levels, and designing and implementing individual and/or group leisure education strategies and methodologies.

**REC 457. THERAPEUTIC RECREATION AND OLDER ADULTS**
This course explores the role of therapeutic recreation services with the older adult as both client and potential service provider. Aging stereotypes and age-related activity myths are examined as well as strategies and techniques for the therapeutic use of recreation in helping older adults to achieve and maintain quality living experiences in community, transitional, and institutional settings.

**REC 459. RECREATION MANAGEMENT**
A study of techniques and procedures in a recreation program as applied to finances, budgets, records, reports, office equipment, clerical details, personnel policies and public relations.

**REC 491 A & B RECREATION INTERNSHIP**
For Recreation majors. Students work in a professional recreation program under a qualified recreation director for three months as a full-time worker in the program. (Student must have at least a 2.0 GPA to enroll in this course.)

**DEPARTMENT OF SPORT SCIENCE AND PHYSICAL EDUCATION**

P. Cobb, Acting Chair, Professor
Profsessors: J. Blankenbaker, D. Cotten, S. Gallemore, W. Spieth
Associate Professor: J. McMillan, D. Wagner
Assistant Professors: G. Floyd, B. Joyner, M. Li, L. McCarthy, D. Ramsey, J. Stallings
Instructors: R. Austin, K. Pruitt

Students enrolling in the Bachelor of Science in Education may major in physical education. This major prepares the student for public school teaching and coaching.

A second major, Sport Management, is listed under the Bachelor of Science in Health Science. This major is also administered by the Department of Sport Science and Physical Education. This course of study combines the business and sport related fields.

The general student is required to complete HTH 131 and four Physical Education Activity courses. Students who are 26 years of age, or older, may substitute other courses for the physical education activity courses. Six quarter hours of credit for physical education activity courses will be awarded when a student provides evidence (DD-214) that the student has had a minimum of one year's active military duty. The DD-214 should be furnished to the Registrar's Office.

**RECREATIONAL ACTIVITIES**

**PEA 100 CANOEING, BEGINNING**
Provides the student with canoeing skills, knowledge of water safety, and the hazards associated with the sport. Field trip required. For men and women.

**PEA 101 DANCE, CLOGGING, BEG.**
Includes basic clogging used in clogging dance routines. For men and women.

**PEA 102 DANCE, BALLET, BEG.**
For men and women.

**PEA 103 DANCE, FOLK, BEG.**
Includes folk dances from foreign countries and from the U.S. For men and women.

**PEA 104 DANCE, MODERN, BEG.**
Interpretative dancing. For men and women.

**PEA 105 DANCE, MOD. & BAL., ADV.**
For men and women.

**PEA 106 DANCE, SOCIAL, BEG.**
Includes all steps and dances used in ballroom dancing. For men and women.

**PEA 107 DANCE, SQUARE, BEG.**
Includes basic square dance movements and selected American folk dances which include square dance movements. For men and women.

**PEA 108 DANCE, TAP, BEGINNING**
For men and women. (Students must furnish shoes.)

**PEA 109 FENCING, BEGINNING**
Students must furnish fencing glove. For men
and women.

PEA 110 FENCING, TOURNAMENT
Emphasizes the use of basic skills in tournament situations. Prerequisite: PEA 109 or permission of the instructor. For men and women.

PEA 111 FOOTBALL, TOUCH
For men and women.

PEA 112 KARATE, BEGINNING
For men and women.

PEA 115 SOCCER, BEGINNING
For men and women.

PEA 116 TUMBLING, BEGINNING
For men and women.

PEA 117. FUNDAMENTALS OF WESTERN HORSEBACK RIDING
This course is designed to teach students basic skills in western horseback riding. This includes safety, grooming, feeding, conditioning, saddling and riding a horse in the walk, jog, and lope gaits.

PEA 118. FITNESS WALKING
For men and women. Credit: 1 hour.

PEA 119. TRAILRIDING
This course is designed for the horseback rider who enjoys open area riding, rather than confinement to a riding pen. This class will give the rider the opportunity to enjoy nature from the back of a horse. Prerequisite: PEA 117 or permission of instructor.

PEA 293 OUTDOOR EDUCATION
A variety of outdoor activities: canoeing, backpacking, repelling, orienteering and others. Field trip required.

PEA 295 SCUBA, BEGINNING
For men and women. Special fee required.

PEA 296 SCUBA, ADVANCED
This course is designed to provide the novice diver with a structured, well-supervised means to gain the practical experience needed after initial certification. Prerequisite: PEA 295 or permission of instructor. Special fee required.

LIFETIME SPORTS

PEA 205 ARCHERY, BEGINNING
For men and women. (Students must furnish arrows.)

PEA 206 BADMINTON, BEG.
For men and women. (Students must furnish racquets.)

PEA 207 BADMINTON, ADVANCED
For men and women. Prerequisite: PEA 206 or permission of Instructor.

PEA 208 BASKETBALL, BEG.
For men and women. Beginners only.

PEA 209 BOWLING, BEGINNING
For men and women. Special fee required.

PEA 210 GOLF, BEGINNING
For men and women. Special fee required.

PEA 211 RACQUETBALL, BEG.
Students must furnish racquet and balls.

PEA 212 RACQUETBALL, ADV.
For men and women. Prerequisite: PEA 211 or permission of instructor.

PEA 214 SOFTBALL, BEG.
For men and women. (Students must furnish gloves.)

PEA 215 SWIMMING, BEG.
For non-swimming and beginners only. Men and women.

PEA 216 SWIMMING, INT.
Develops various strokes and diving techniques. Men and women.

PEA 217 TENNIS, BEGINNING
For men and women. (Students must furnish racquets and balls.)

PEA 218 TENNIS, ADVANCED
For men and women. Prerequisite: PEA 217 or permission of instructor.

PEA 219 VOLLEYBALL, BEG.
For men and women.

STRENGTH & ENDURANCE TRAINING

PEA 200 AEROBIC DANCE
For men and women.

PEA 201 BODY CONDITIONING
For men and women.

PEA 202 FITNESS SWIMMING
For men and women.

PEA 203 JOGGING
For men and women.

PEA 204 WEIGHT TRAINING
For men and women.

PROFICIENCY TESTING
Credit by examination is described in the catalog under General Information. The proficiency for P.E. activity classes has the following policies and regulations.

A. Written and skill tests are required.

B. Proficiencies may be attempted only in the following:

Badminton
Advanced Badminton
Basketball
Bowling
Golf
Racquetball

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Advanced Racquetball
Soccer
Intermediate Swimming
Tennis
Advanced Tennis
Volleyball

MAJOR COURSES - PHYSICAL EDUCATION

PE 230. DANCE AND AQUATICS
A techniques course designed to acquaint the student with various dance and aquatic activities.

PE 231. TUMBLING AND TRACK AND FIELD
Theory in calisthenics movement. Includes stunts and basic tumbling and pyramid building with emphasis on procedure in teaching these activities.

PE 232. ATHLETIC TRAINING
Prevention and correction of accidents in athletic activities; the use of proper personal and field equipment, support methods, conditioning exercises, the medical examination and the therapeutic aids.

PE 320. COACHING SWIMMING AND DIVING TECHNIQUES
A course designed to introduce techniques and methods of competitive swimming and diving.

PE 328. THEORY OF SPORT CONDITIONING
A course intended for students preparing to undertake responsibilities in the areas of coaching fitness programs and/or related areas. Two two-hour labs per week.

PE 330. MODERN AND SOCIAL DANCE
Provides opportunity for skill development and teaching techniques of the two types of dance.

PE 331. PRINCIPLES OF OFFICIATING
Designed to give prospective High School Coach and Recreator a knowledge and understanding of the principles and basics techniques of officiating in a wide variety of sports and recreation activities.

PE 332. LIFEGUARDING
Course meets the requirements of the American Red Cross and qualifies the individual for certification as a lifeguard. Prerequisite: Lifeguard swim test.

PE 333. WATER SAFETY INSTRUCTION
Meets the requirements of the American Red Cross and qualifies the individual for certification as a water safety instructor. Laboratory and assisting periods to be arranged.

PE 334. COACHING FOOTBALL
Deals with fundamentals. Consideration given to rules, team strategy, both offensive and defensive and training procedures. One lecture and two two-hour laboratory periods each week.

PE 335. COACHING BASKETBALL
Similar to 334, except that basketball is the sport considered. One lecture and two two-hour laboratory periods each week.

PE 336. COACHING BASEBALL AND SOFTBALL
Similar to 334, except that baseball and softball are the sports considered. One lecture and four one-hour laboratory periods a week.

PE 337. PHYSICAL EDUCATION FOR EARLY CHILDHOOD K-4
Develops skills, techniques, and methods for teaching in the elementary schools (K-4) grades. One lecture and two two-hour labs per week.

PE 338. PHYSICAL EDUCATION FOR MIDDLE GRADES 4-8
Develops skills, techniques and methods for teaching in the middle schools (4-8) grades. One hour lecture and two two-hour laboratory periods each week.

PE 339. PHYSICAL EDUCATION FOR SECONDARY SCHOOLS 9-12
Develops skills, techniques and methods for teaching in the secondary schools (9-12) grades. One hour lecture and two two-hour laboratories per week.

PE 352. FOUNDATIONS OF HEALTH AND PHYSICAL EDUCATION
An introduction to the fields of health and physical education. Biological, physiological and sociological principles of health and physical education are stressed. Past and current trends also receive emphasis.

PE 354. ANATOMY AND APPLIED KINESIOLOGY
A study of anatomic systems as they relate to the mechanical principles of the analysis of motor skill activities. Three one-hour lectures and two two-hour laboratory periods per week.

PE 355. COACHING PRACTICUM
Advanced coaching experience in any of the varsity sports. Includes observation, practicum and seminar work in the sport. Prerequisite: beginning coaching course in the sport.

PE 399. SELECTED TOPICS IN PHYSICAL EDUCATION
Topics of special interest to P.E. will be studied.

PE 432. COACHING MINOR SPORTS
Introduces the student to the responsibilities of the coach in five sports: tennis, golf, swimming, gymnastics and track and field.
PE 434. ADVANCED THEORY AND PROBLEMS IN ATHLETIC TRAINING
A combination of advanced theory and practical application on the treatment of athletic injuries. Prerequisite: PE 232 or the equivalent.

PE 435. PRINCIPLES AND MOTIVATIONAL ASPECTS OF ATHLETICS
The course is designed to study various motivational aspects and approaches to coaching athletics. Anxiety and arousal interaction will provide the theoretical base for developing a specific inventory.

PE 436. FOLK AND SQUARE DANCE TEACHING TECHNIQUE
A course designed to introduce teaching techniques for folk dance (American and International) and square dance with emphasis on proper skill execution as well as appropriate content methodology for elementary, middle grades, high school and adult students.

PE 493. DIRECTED INDIVIDUAL STUDY
Permits the undergraduate student to study or investigate an area of interest under the direction of a faculty member. Permission required.

PE 536. PROGRAM DEVELOPMENT
This course will deal with the organization of the physical education curriculum. Special attention is given to the selection of activities in light of desired outcomes. Prerequisite: PE 352.

PE 551. ADAPTED PHYSICAL EDUCATION, RECREATION AND SPORTS
Examines the importance of physical education, recreation and sports in the growth and development of impaired and disabled children and presents specific strategies and techniques for implementing adapted activities and programs.

PE 553. RESEARCH IN PE AND SPORT TECHNIQUES
A study of recent research findings directly concerning various selected sports.

PE 554. FITNESS AND WELLNESS PROGRAMS
Deals with all phases of fitness and wellness programs: including administering fitness tests and evaluations and developing objectives for the programs, program organization, and content.

PE 555. PHYSIOLOGY OF EXERCISE
Physiological changes in the human organism due to physical exercise in stress situations. Four one-hour lectures and one two-hour laboratory periods per week.

PE 556. RESEARCH STRATEGIES IN EXERCISE AND SPORT SCIENCE
An introduction to an application of methods involved in conducting experimental research in exercise and sport science and related areas. Students will collectively carry out at least one experimental investigation. Prerequisite: PE 555.

PE 558. ADMINISTRATION AND LEADERSHIP OF P.E. AND SPORT
Deals with administration and leadership of P.E. programs, the interschool athletic programs and the intramural and school recreation programs. Prerequisite: PE 352 or SM 350.

PE 561. TESTS AND MEASUREMENTS IN PHYSICAL EDUCATION
Lectures, laboratory, and computer experience in the development, evaluation and application of tests in Sport Science. Four one-hour lectures and one two-hour laboratory period each week. Prerequisite: PE 352.

MAJOR COURSES - SPORT MANAGEMENT

SM 250. INTRODUCTION TO SPORT MANAGEMENT
The introduction to administration principles as they relate to sport will be examined. The need for highly trained sport managers who can function successfully in complex and varied sport settings is also explored.

SM 351. SPORT MANAGEMENT PRACTICUM
Each student receives practical Sport Management experience in a sport-business related department in his/her area of interest. Practic­um will be done on campus or locally.

SM 450. SPORT ENTERPRISE OPERATION
A course designed to enable the student to learn how actual sport enterprises are operated. Includes health and fitness centers, racquetball clubs, country clubs, civic centers and professional sport clubs.

SM 451. SOCIAL AND ECONOMIC INFLUENCE OF SPORT
A course designed to introduce the student to the study of sport as a science. Includes an in-depth look at the social and economic effects of sport.

SM 452. RISK MANAGEMENT IN SPORT
The course focuses on identification of and correction of risks that lead to accidents and/or lawsuits.

SM 453. ATHLETIC DIRECTOR
Examines day to day operations to long range planning for the entire athletic program of an institution.
SM 454. SPORT PROMOTION AND MARKETING
Its value to the overall success of any sports related business dealing most specifically with intercollegiate athletics will be examined.

SM 455/CAB 455. SPORT BROADCASTING
A course designed to teach broadcasting techniques specific to sports. Includes lecture, discussion, and simulated broadcasts by students.

SM 456. SPORT FINANCE AND FACILITY MANAGEMENT
This course will examine the fundamental concepts and theories of finance applicable to the field of sport management as well as the principles and procedures involved in sport facility management.

SM 493. DIRECTED INDIVIDUAL STUDY
Permits the undergraduate student to study or investigate an area of interest under the direction of a faculty member. Permission required.

SM 550. LEGAL PROBLEMS IN SPORT MANAGEMENT
This course is designed to help the student to develop an understanding of selected problems in sports and to develop approaches for avoiding and/or solving these problems.

SM 551. ATHLETIC GOVERNANCE
This course will deal with the constitution and bylaws of the National Collegiate Athletic Association (NCAA) and National Association of Intercollegiate Athletics (NAIA). Special emphasis is given to rules compliance, Title IX compliance, and rules education.

SM 591. SPORT MANAGEMENT INTERNSHIP
This internship allows the senior in Sport Management an opportunity to receive practical experience in selected athletic or sport related settings. Normally, the internship is one quarter and will pay the student the prevailing wage level for the job preferred. Prerequisite: Junior-Senior standing and consent of the Department Head.

SM 599. SELECTED TOPICS
Topics of special need and interest to Sport Management will be studied.

CENTER FOR RURAL HEALTH AND RESEARCH
The Center for Rural Health and Research is housed within the College of Health and Professional Studies. The Center works closely with the different departments, colleges, and constituencies in developing needed programs and in conducting research and service activities relevant to the needs of the rural Southeast. The staff also provides leadership in the rural health movement at both the state and national levels in an attempt to improve the health and quality of life for rural residents.

The Senior Companion Program, the Roosevelt Warm Springs satellite clinic, a rural information office for substance abuse, a Tools for Life Technology Demonstration Center for the Disabled, and various other research and service projects are coordinated under the CRHR.

For more information about rural health programs, contact the Director, Center for Rural Health and Research, Landrum Box 8148, Georgia Southern University, Statesboro, GA 30460, 912/681-0260.
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PURPOSE AND ORGANIZATION

Technology is the study of mankind using mind, materials and energies for purposeful change. The student is involved in problem analysis and solution, designing and experimentation, creating and construction using the tools, materials, processes, products and energies currently available. The programs cover a large part of the technological spectrum, providing relevant education to meet the aptitudes and needs of students as they prepare to become future designers, planners, managers and implementors in their field of specialization. The programs also provide a formal base of higher education in the various areas of technology.

The Allen E. Paulson College of Technology consists of three separate departments and an Engineering Studies Office. The Department of Engineering Technology administers the following programs: Bachelor of Science degrees in Civil Engineering Technology, Electrical Engineering Technology, Industrial Engineering Technology and Mechanical Engineering Technology. The Department of Industrial Technology administers the Bachelor of Science degrees in Construction, Manufacturing (with majors in Apparel Manufacturing and Industrial Management), and Printing Management. The Department of Military Science administers the Army ROTC program which leads to a commission as a second lieutenant at the time of graduation. In addition, both the Regent’s Engineering Transfer Program and the Two Plus Engineering Transfer Program are administered by the Allen E. Paulson College of Technology and coordinated by the Engineering Studies Office.

Advisement and Degree Requirements

Each student is assigned an advisor according to their proposed major. The advisor’s responsibility is to review, offer suggestions, make recommendations and approve the student’s registration plans and progress toward the degree goals.

This catalog is the official description of degree program requirements. It is the student’s responsibility to: (1) know and meet these requirements; (2) prepare a schedule of classes each quarter and obtain the advisor’s approval before registering; and (3) keep the advisor informed on any problems that may arise.

Students must complete the core curriculum as outlined. All majors have specific mathematics and science requirements. Therefore it is to the student’s advantage to fit these specific requirements into the core curriculum whenever possible. In this way both the core curriculum and the requirements of the major may be met.

Transfer credits accepted by the university will be used to satisfy major requirements at the discretion of the major advisor. Upon request proficiency examinations may be given in those areas of the major for which student has no college credit. Upon successful completion of the examination, the student will receive advanced placement credit. A minimum of 45 hours of upper division credit must be earned at Georgia Southern.

CO-OP PROGRAM

The Allen E. Paulson College of Technology offers its students the opportunity to gain work
experience related to their academic majors, begin the career decision making process and earn money for educational expenses. This is accomplished through a co-op plan that is provided on an optional basis in all technology majors.

The co-op plan may be student, college or industry initiated. Normally, students must have earned 45 quarter hours of credit toward their major, have a GPA of 2.5 or better and be willing to participate in no less than three alternating Co-op work assignments. Salaries and benefits are determined by the employer and normally increase as the program proceeds. Board and lodging are the responsibility of the student, but in many cases the employers provide assistance in locating suitable accommodations. Dormitory rooms and meal plans are available to students working near the campus.

Co-op students register for GT 499 Special Problems/Co-op, one quarter hour credit, each quarter they are on a work assignment. An S/U grade is assigned for each quarter on the basis of the employer's evaluation only.

No commitment is made by either the student or employer for full-time employment upon completion of the co-op program. However a company may offer career employment upon graduation.

DEPARTMENT OF ENGINEERING TECHNOLOGY

Degree Programs:
- Bachelor of Science in Civil Engineering Technology
- Bachelor of Science in Electrical Engineering Technology
- Bachelor of Science in Industrial Engineering Technology
- Bachelor of Science in Mechanical Engineering Technology

The Bachelor of Science degree in the several fields of engineering technology is the academic requirement for engineering technologists who, working alongside engineers, utilize state-of-the-art equipment in engineering applications. Graduates of the degree programs enter the occupational spectrum which ranges between the technician and craftsman on one end and the engineer and scientist on the other. The engineering technologist's training parallels that of the engineer and entry level positions are found in design and development, technical operations, plant operations, project/process planning, production, technical services or sales.

The academic programs are four-year, calculus-based technical programs. Applications of technical knowledge to current industrial problems are stressed.

High school preparation for the engineering technology program should include English composition, algebra, trigonometry, geometry, chemistry, physics, and biology. In addition subjects such as drafting and computer programming are useful.

ADMISSION CLASSIFICATION

Students will be assigned to the major of their choice at the time of admission. If a student does not select one of the four majors, he/she will be assigned to the Pre-Engineering Technology classification. The student can remain in the Pre-Engineering Technology classification for two quarters, by which time he/she shall transfer to a specific major.

BACHELOR OF SCIENCE IN CIVIL ENGINEERING TECHNOLOGY

The program of study is designed to give the student a broad coverage in general education and technical subjects with special depth in the area of civil engineering technology. The curriculum follows the recommendations of the Technology Accreditation Commission of the Accreditation Board for Engineering and Technology and permits the student to develop depth in at least two of four areas structures, surveying, environmental, transportation.

DEGREE REQUIREMENTS

This degree requires fulfillment of the core curriculum, completion of a basic technical core of courses, completion of eight required CET courses designed to provide exposure to code-based design, government permitting and regulations, and basic surveying measurements, additional CET and approved technical elective courses to develop depth in the student's
chosen areas. At least 45 hours of approved engineering technology courses must be taken at Georgia Southern. A minimum of 45 hours of upper-division credits must be earned at Georgia Southern. A minimum of 190 hours is required for graduation.

GENERAL EDUCATION REQUIREMENTS
See Core Curriculum, Areas I, II, III. 60 hours
Health (3 hours) and Physical Education (4 hours) ................. 7 hours

AREA IV AND SPECIFIC REQUIREMENTS
Area IV requirements for Civil Engineering Technology include 30 hours of Chemistry, Technical Writing, Calculus I and II, Technical Drawing, Computer Drafting, Computer Programming and additional Physics beyond that required in Area II. The use of courses in these six specified subjects to satisfy the Area IV requirements assumes that a two-course sequence in physics and courses in college algebra and trigonometry have been taken to satisfy Area II of the core curriculum.
Area IV requirements are satisfied by courses under Specific Requirements.

SPECIFIC REQUIREMENTS
(*) Designates Area IV Requirements
ES 121 Introduction to Engineering Technology .................. 2 hours
MAT 151 and 152 College Algebra and Trigonometry .............. 10 hours
PHY General College Physics/ Lab .................................. 10 hours
CHE 171 General Chemistry/ Lab .................................. 5 hours
*ENG 271 Technical Writing ........................................ 5 hours
*MAT 166 and 167 Analytical Geometry and Calculus I, II ........ 10 hours

*SUGGESTED BS CET CHRONOLOGY
(Underline indicates critical courses which should not be delayed.)
1st Year
Fall
ES 121
MAT 151
TD 130
Core III Elective

Winter
MAT 152
PSC 250
ENG 151
HPE 131

Spring
MAT 166
ENG 152
CHE 171
PE Activity

2nd Year
PHY 251
MAT 167
ES 231
TD 220

PHY 252 or 253
ES 251
ENG 251, 2 or 3
PE Activity

PHY 252 or 253
ES 253
CET 351
PE Activity
BACHELOR OF SCIENCE IN ELECTRICAL ENGINEERING TECHNOLOGY

The program of study is designed to give the student a broad coverage in general education with special depth in the basics of applied electrical engineering technology. The curriculum follows the recommendations of the Technology Accreditation Commission of the Accreditation Board for Engineering and Technology and permits specialization in electronics or power technology.

DEGREE REQUIREMENTS
This degree requires fulfillment of the core curriculum and completion of the courses prescribed below, including 60 hours of upper-division Electrical Engineering Technology courses. Forty-five hours of approved upper-division credits must be earned at Georgia Southern. A minimum of 190 hours is required for graduation.

GENERAL EDUCATION REQUIREMENTS
See Core Curriculum, Areas I, II, III. 60 hours
Health (3 hours) and Physical Education (4 hours) ................. 7 hours

AREA IV AND SPECIFIC REQUIREMENTS
Area IV requirements for Electrical Engineering Technology include 30 hours of Chemistry, Technical Writing and Presentation, Calculus I, II, and III, Engineering Graphics and Computer Programming. Area IV requirements assume that a two-course sequence in physics and courses in college algebra and trigonometry have been taken to satisfy Area II of the core curriculum. Area IV requirements may be satisfied by courses designated under Specific Requirements.

SPECIFIC REQUIREMENTS
(*1) designates Area IV requirements
ES 121 Introduction to Engineering Technology .................. 2 hours
MAT 151 and 152 College Algebra and Trigonometry ............... 10 hours
PHY General College Physics/Lab ...................................... 10 hours
CHE 171 General Chemistry/Lab ....................................... 5 hours
*ENG 271 Technical Writing and Presentation ....................... 5 hours
*MAT 166 and 167 Analytic Geometry and Calculus ............... 10 hours
*MAT 264 Calculus III .................................................. 5 hours
*TD 130 Technical Drawing ............................................. 3 hours
*TD 220 Computer Drafting ............................................. 2 hours
*ES 231 Digital Computation (FORTRAN) ........................... 3 hours
ES 251 Statics ......................................................... 5 hours
ES 351 Thermodynamics ............................................... 5 hours
IET 481 Engineering Economy ......................................... 5 hours
EET 210 Introduction to Electrical Engineering Technology .... 1 hour
EET 350, 353 Circuit Analysis I and II ................................ 10 hours
EET 351, 354 Electronics I and II .................................... 5 hours
EET 420 Advanced Instrumentation .................................. 2 hours
EET 451 Rotating Machines ............................................ 5 hours
EET 456 Digital Circuits ............................................... 5 hours
EET 458 Microprocessors ................................................ 5 hours
EET 462 Operational Amplifiers ....................................... 5 hours
EET 465 Senior Project .................................................. 5 hours
Elect 10 hours from:
EET 352 Programmable Controllers ................................... 5 hours
EET 360 RF Amplifiers .................................................. 5 hours
EET 399 Special Topics in EET ......................................... 5 hours
EET 450 Industrial Electronics ....................................... 5 hours
SUGGESTED BS EET CHRONOLOGY
(Underline indicates critical courses which should not be delayed.)

1st Year

Fall
MAT 151 Alg
PSC 250 Amer
Govt
HIS 152/3
History
ES 120 Intro ET

Winter
MAT 152 Trig
ENG 151
English
TD 130 Drawing
PE Activity

Spring
MAT 166 Calc I
CHE 171
Chemistry
TD 220 Comp
Drafting
ENG 152
English
PE Activity

2nd Year

MAT 167 Calc II
Physics
Area III Elect
PE Activity

MAT 264 Calc III
HIS 252/3
History
Physics
PE Activity

EET 210 Intro
EET
ES 251 Statistics
Area I Elect
ENG 251/2/3
Eng Lit

3rd Year

EET 350 Circuits I
ENG 271 Tech Writing
ES 231 Fortran
HTH 131

EET 353 Circuits II
EET 351 Circuits II
IET 481 Eng Econ

EET 456 Digital EET 452 Adv.
Op Amps EET or Tech
EET 452 Inst.
EET or Tech
EET or Tech

4th Year

EET 458 Micro Elect
EET 420 Adv. Elect
Inst.
EET 451 Rot. Elect
Mach.
EET 354 Electr. Elect
II

EET 475 Sr Proj EET or Tech
ES 351 Thermo EET or Tech
EET or Tech EET or Tech
EET or Tech EET or Tech

EACH STUDENT MUST COMPLETE 10 HOURS OF EET ELECTIVES (300/400 LEVEL EET COURSES) AND 15 HOURS OF TECHNICAL ELECTIVES.

EET ELECTIVES
EET 352 Prog. Controllers EET 450 Ind. Electron.
EET 360 RF Amplifiers EET 451 Elect Distrib.
EET 399 Selected Topics EET 455 Engrg. Meas.

EET 459 Cont. Syst.
EET 467 Power Syst.
EET 477 Fiber Optic
EET 490 Dir. Ind. Study
EET 495 Special Problems

TECHNICAL ELECTIVES:
ES 252 Dynamics
ES 253 Str. of Mats.
ES 354 Fluid Mech.
MAT 265 Calc IV
ES 253 Str. of Mat.
CSC 281 PASCAL

Any upper division Math, Physics, Comp. Sci, Eng. Tech courses approved by the advisor may also be used as technical electives.

BACHELOR OF SCIENCE IN INDUSTRIAL ENGINEERING TECHNOLOGY

The program of study is designed to give the student a broad coverage in general education with special depth in the applications of classical industrial engineering principles together with computer analysis techniques. The curriculum follows the recommendations of the Technology Accreditation Commission of the Accreditation Board for Engineering and Technology and stresses application of basic engineering science and computer methods to solution of problems in engineering economics, motion and time study, plant layout and materials handling, production planning, statistical quality control and industrial safety. Electives include robotics and simulation.

DEGREE REQUIREMENTS

This degree requires fulfillment of the core curriculum and completion of the courses prescribed below. At least 45 hours of approved engineering technology courses must be taken at Georgia Southern. A minimum of 45 hours of upper division credit must be earned at Georgia Southern. A minimum of 190 hours is required for graduation.

GENERAL EDUCATION REQUIREMENTS

See Core Curriculum, Areas I, II,
III ........................................ 60 hours
Health (3 hours) and Physical Education (4 hours) .................. 7 hours

AREA IV AND SPECIFIC REQUIREMENTS

The Area IV requirements for Industrial Engineering Technology include 30 hours of chemistry, calculus I and II, computer programming, engineering graphics, technical writing and additional physics beyond that required in Area II. Area IV requirements assume that a two-course sequence in physics and courses in college algebra and trigonometry have been taken to satisfy Area II of the core curriculum. Area IV requirements are satisfied by courses designated under Specific Requirements.

SPECIFIC REQUIREMENTS

(*) Designates Area IV Requirements

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<td>*ENG 271</td>
<td>Technical Writing and Presentation</td>
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<td>*MAT 166 and 167</td>
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<td>*PHY</td>
<td>Additional College Physics/ Lab</td>
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<td>ACC 260</td>
<td>A Survey of Accounting</td>
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<td>Industrial Processes and Materials</td>
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IET 481 Engineering Economy .... 5 hours

Approved Technology Electives for IET majors:
- IET 335 Job Evaluation ........... 3 hours
- IET 453 Industrial Systems Simulation .......... 5 hours
- IET 399 Selected Topics in Industrial Engineering Technology .......... variable
- IET 422 Project Planning and Control .......... 2 hours
- IET 452 Introduction to Robotics and Computer Integrated Manufacturing .......... 5 hours

**SUGGESTED BS IET CHRONOLOGY:**
(Underline indicates critical courses which should not be delayed.)

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<th>1st Year</th>
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<th>Spring</th>
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<tr>
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<td>MAT 151 Alg</td>
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<td>ENG 271 Tech</td>
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<td>IET 320 Ind</td>
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<td>Dynamics</td>
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<td>ES 355 Elec Circ</td>
<td>ES 253 Strength</td>
<td>ENG 251/2/3</td>
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<td>IM 352 Quality</td>
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<td>Measurement &amp; Improvement</td>
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<td>IET 431 Sr Proj</td>
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<td>Plan</td>
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<td>IET Elect</td>
<td>MGT 355 Dec Sci</td>
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<td></td>
<td>ACC 260 Surv of Acctg</td>
<td>ES 351 Thermo</td>
<td>IET Elect</td>
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BACHELOR OF SCIENCE IN MECHANICAL ENGINEERING TECHNOLOGY

The program of study is designed to give the student a broad coverage in general education with special depth in the area of mechanical engineering technology. The curriculum follows the recommendations of the Technology Accreditation Commission of the Accreditation Board for Engineering and Technology and provides depth of exposure to the areas of mechanical design, thermo/fluids, and materials/manufacturing.

DEGREE REQUIREMENTS:
This degree requires fulfillment of the core curriculum and completion of the courses prescribed below. At least 45 hours of approved engineering technology courses must be taken at Georgia Southern. A minimum of 45 hours of upper-division credits must be earned at Georgia Southern. A minimum of 190 hours is required for graduation.

GENERAL EDUCATION REQUIREMENTS
See Core Curriculum, Areas I, II, III 60 hours
Health (3 hours) and Physical Education (4 hours) 7 hours

AREA IV AND SPECIFIC REQUIREMENTS
The Area IV requirements for Mechanical Engineering Technology include 30 hours of chemistry, technical writing and presentation, calculus I and II, engineering graphics, computer programming and additional physics beyond that required in Area II. Area IV requirements assume that a two-course sequence in physics and courses in college algebra and trigonometry have been taken to satisfy Area II of the core curriculum. Area IV requirements are satisfied by courses designated under Specific Requirements.

SPECIFIC REQUIREMENTS
(*) Designates Area IV requirements.
ES 121 Introduction to Engineering Technology 2 hours
MAT 151 and 152 College Algebra and Trigonometry 10 hours
PHY General College Physics/Lab 10 hours
CHE 171 General Chemistry/Lab 10 hours
*ENG 271 Technical Writing and Presentation 5 hours
*MAT 166 and 167 Analytic Geometry and Calculus I and II 10 hours
*PHY Additional General College Physics/Lab 5 hours
*TD 130 Technical Drawing 3 hours
*TD 220 Computer Drafting 2 hours
*ES 231 Digital Drafting 3 hours
ES 251 Statics 5 hours
ES 252 Dynamics 5 hours
ES 253 Strength of Materials 5 hours
ES 351 Thermodynamics 5 hours
ES 354 Fluid Mechanics 5 hours
ES 355 Introduction to Electric Circuits 5 hours
IET 481 Engineering Economy 5 hours
MET 340 Kinematics of Machines 4 hours
MET 343 Materials and Processes in Manufacturing 4 hours
MET 352 Applications of Thermal Science I 5 hours
MET 354 Automation and Computer Integrated Manufacturing Systems 5 hours
MET 451 Materials Science 5 hours
MET 435 Machine Component Design 3 hours
MET 446 Heat Transfer 4 hours
MET 456 Machine Design 5 hours
MFG 333 Lab for Manufacturing Processes 3 hours
Select additional hours from the following electives to make 190 hours:
MET 452 Applications of Thermal Science II 5 hours
MET 455 Engineering Measurements 5 hours
MET 457 Mechanical Systems Design 5 hours
MET 459 Vibrations 5 hours
or other advisor approved technical electives
SUGGESTED BS MET CHRONOLOGY:
(Underline indicates critical courses which should not be delayed.)
MET courses are generally offered once per year.

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<th>Spring</th>
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<td><strong>1st Year</strong></td>
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<td>MAT 152</td>
<td>MAT 166</td>
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<td>MET 354</td>
<td>MET 451</td>
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INDUSTRIAL TECHNOLOGY

Degree Programs:
- Bachelor of Science in Construction
  Major: Building Construction and Contracting
- Bachelor of Science in Manufacturing
  Major: Apparel Manufacturing
  Industrial Management
- Bachelor of Science in Printing
  Management

DEGREE REQUIREMENTS:
The Bachelor of Science degree in the various fields of Industrial Technology requires the fulfillment of the core curriculum; completion of the courses prescribed for each major; three hours of health and four hours of physical education. Forty-five hours of upper division work must be taken at Georgia Southern University. A minimum of 190 hours is required for graduation.

ADMISSION REQUIREMENTS:
Students admitted to the majors must meet all general college admission requirements.

Transfer students and change of major students must also be in good academic standing. Students with less than 2.0 GPA will be accepted only on a provisional basis. Upon completion of 2 successive quarters of work at a GPA 2.0, provisional students will be accepted to the major.

High School Preparation
High school studies should include algebra, geometry, trigonometry, chemistry and physics. Courses in drafting, computer programming, accounting, psychology and sociology are also recommended.

BACHELOR OF SCIENCE IN CONSTRUCTION BUILDING CONSTRUCTION AND CONTRACTING MAJOR
The Building Construction and Contracting major prepares students for careers in both residential and non-residential segments of the construction industry. The successful graduate can anticipate employment within the construction industry as a manager, building estimator, professional contractor,
planner, supervisor, manufacturers' field representative or a host of other building-construction related jobs. The program is accredited by the National Association of Industrial Technology (NAIT).

GENERAL EDUCATION REQUIREMENTS
See Core Curriculum, Areas I, II, and III ........................................... 60 hours
Health (3 hours) and Physical Education (4 hours) ......................... 7 hours

AREA IV AND SPECIFIC REQUIREMENTS
Area IV requirements include 5 hours from each of the following areas: accounting, chemistry, technical writing, geology, statistics and computer applications. A two-course sequence in physics and a proficiency in college algebra and trigonometry should be attained in Area II.

SPECIFIC REQUIREMENTS
(*) Designates Area IV Requirements.
* ACC 260. A Survey of Accounting 5 hours
* CHE 171. Introduction to General Chemistry .............................. 5 hours
* ENG 271. Technical Writing and Presentation ............................ 5 hours
* GLY 151. General Physical Geology ............................................. 5 hours
* STA 255. Statistics Using the Computer I .................................. 5 hours
* CSI 251. Introduction to Computer Information Systems .................. 5 hours
BCC 230. Construction Statics .................................................. 3 hours
BCC 240. Construction Strength of Materials ............................... 4 hours
BCC 251. Construction Surveying .............................................. 5 hours
BCC 252. Architectural Graphics and Print Reading ......................... 5 hours
BCC 332. History of Architecture and Construction ......................... 3 hours
BCC 341. Site Construction ..................................................... 4 hours
BCC 342. Quantity Estimating .................................................. 4 hours
BCC 343. Electrical Equipment and Systems ................................... 4 hours
BCC 350. Building Materials and Systems ..................................... 5 hours
BCC 351. Mechanical Equipment and Systems ................................... 5 hours
BCC 420. Construction Safety ................................................... 2 hours
BCC 431. Building Codes ......................................................... 3 hours
BCC 432. Project Control .......................................................... 3 hours
BCC 440. Concrete and Masonry

Structures ............................................. 4 hours
BCC 441. Steel Structures ......................................................... 4 hours
BCC 442. Wood Structures ........................................................ 4 hours
BCC 443. Construction Cost Estimating ......................................... 4 hours
BCC 444. Project Planning and Scheduling ..................................... 4 hours
BCC 452. Construction Administration .......................................... 5 hours
BCC 454. Senior Project ........................................................... 5 hours
BCC 490. Seminar in Building Construction .................................... 1 hour
LST 352. Legal Environment of Business I ...................................... 5 hours
MGT 351. Management and Organizational Behavior ......................... 5 hours
Approved Upper Division Electives to make ................................. 190 Total hours
See Advisor for Approved List of Electives

GRADE REQUIREMENT: a grade of "C" or better is required in each of the courses listed under Area IV and Specific Requirements.

NOTES:
1. These courses may be used to complete Areas I, II and III requirements. However, additional technical electives may be required to satisfy degree minimum of 190 hours.
2. ACC 260 and ECO 260 must be taken as prerequisites to an elective business minor. The 300-400 level business courses will not be allowed in minor if taken ahead of ACC 260 and ECO 260.
3. Seminar credits may not be applied toward graduation requirements.
4. The BCC student can earn a minor in business with no additional required coursework by choosing MKT 350 Principles of Marketing and two other upper division electives from different business departments.

1993-94 Bulletin
**SUGGESTED BCC PROGRAM CHRONOLOGY**

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**BACHELOR OF SCIENCE IN MANUFACTURING APPAREL MANUFACTURING MAJOR**

The Apparel Manufacturing program prepares students for careers in managerial, supervisory and administrative positions. Students can anticipate entering leadership roles requiring specialized technical and computer knowledge in addition to a strong background in humanities and industrial management.

**GENERAL EDUCATION REQUIREMENTS**

See Core Curriculum, Areas I, II and III ......................... 60 hours

Health (3 hours) and Physical Education (4 hours) ................ 7 hours

**AREA IV AND SPECIFIC REQUIREMENTS**

Area IV requirements include 5 hours from each of the following areas: technical drawing, technical writing, chemistry, computer programming, accounting and economics. A two-course laboratory sequence in physics and proficiency in college algebra and trigonometry must be attained in Area II.

A grade of "C" or better is required in each of the courses used to satisfy Area IV and Specific Requirements.

**SPECIFIC REQUIREMENTS**

(*) Designates Area IV Requirement

*TD 150 or TD 130 & TD 220

  Technical Drawing ...................... 5 hours

*ENG 271 Technical Writing .......... 5 hours

*CHE 171 General Chemistry/

  Lab .................................. 5 hours

*CIS 251 Intro. to Comp. Info.

  Systems ............................. 5 hours

*ACC 260 Survey of Accounting

  (2) .................................. 5 hours

*ECO 260 Basic Economics

  (2) .................................. 5 hours

MFG 150 The Manufacturing Enterprise ...................... 5 hours

MAT 152 Trigonometry ...................... 5 hours

PHY 251, 252 College Physics/

  Lab ................................ 10 hours

MAT 255 Statistics ...................... 5 hours

CAS 251 or 252 Speech .................. 5 hours
IM 451 Senior Project, ADM 495 Internship or IM 471 Industrial Supervision ... 5 hours
GT 499 Co-op .................. 1 hour
Technical Electives (1) ........... 20 hours
Minimum ........................................... 190 hours

NOTES:
1. An optional business minor can be earned by taking MKT 350 Principles of Marketing (5 hours), MGT 351 Principles of Management (5 hours) and ten hours of approved upper division business electives.
2. ACC 260 and ECO 260 must be taken as prerequisites to an elective business minor. The 300-400 level business courses will not be allowed in the minor if taken ahead of ACC 260 and ECO 260.
3. These ADM courses will be taught by the Department of Industrial Technology.

SUGGESTED APPAREL MANUFACTURING PROGRAM CHRONOLOGY

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<thead>
<tr>
<th>Fall</th>
<th>Winter</th>
<th>Spring</th>
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<tbody>
<tr>
<td>ENG 151</td>
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<tr>
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</table>

NOTE: GT 499 Co-op (5 hours) will extend program beyond 4 years.
INDUSTRIAL MANAGEMENT
MAJOR
The Industrial Management major in the Bachelor of Science in the Manufacturing degree program prepares the student for a professional career in supervising and managing the production phase of the manufacturing industries. Coordinating the work system involving scientists, engineers and craftsmen is the primary responsibility of this occupational area. Directing people, materials and machines in efficient production is another responsibility.

GENERAL EDUCATION REQUIREMENTS
See Core Curriculum, Areas I, II and III ....................................... 60 Hours
Health (3 hours) and Physical Education ............................................. 7 Hours

AREA IV AND SPECIFIC REQUIREMENTS
Area IV requirements include 5 hours from each of the following areas: technical drawing, computer programming, accounting, statistics, chemistry or physics and business or technical writing. A two-course laboratory sequence in physics and proficiency in algebra and trigonometry must be attained in Area II.

A grade of "C" or better is required in each of the courses used to satisfy Area IV and Specific Requirements.

SPECIFIC REQUIREMENTS
(*) Designates Area IV Requirement
*TD 150 or TD 130 & TD 220
  Technical Drawing .................................. 5 hours
*ES 231 or CIS 251 Digital Computation
  or Intro. to Computer Systems .................. 5 hours
*ACC 260 (1) A Survey of
  Accounting ...................................... 5 hours
*MATH 255 (1) Statistics Using the
  Computer ....................................... 5 hours
*PHY 251 (1) or CHEM 171 Physics or
  Chemistry/Lab .................................... 5 hours
*ENG 271 or MKT 255 Technical Writing or
  Business Communications ........................ 5 hours
CAS 251 or 252 (1) Speech .......................... 5 hours
MATH 151, 152 (1) College Algebra,
  Trigonometry .................................... 10 hours
CHEM 171, 172 or General Inorganic
  Chemistry PHY 251, 252 (1)
  General College Physics ........................ 10 hours
TD 350 Industrial Production
  Drawing ......................................... 5 hours
IET 352 Productivity Measurement and
  Improvement ..................................... 5 hours
IET 450 Production Planning ...................... 5 hours
IET 451 Plant Layout .............................. 5 hours
IET 481 Engineering Economy ..................... 5 hours
IM 351 Intro. Industrial
  Management ..................................... 5 hours
IM 352 Statistical Quality
  Control ......................................... 5 hours
IM 452 MGT Prob. in Industry .................... 5 hours
IM 471 Industrial Supervision ..................... 5 hours
IM 550 Ergonomics ................................ 5 hours
MFG 150 The Manufacturing
  Enterprise ....................................... 5 hours
MFG 350 Industrial Processes and
  Materials ........................................ 5 hours
MFG 352 Metal Machining ......................... 5 hours
MFG 354 Energy/Power Systems .................... 5 hours
MFG 356 Electrical Technology ..................... 5 hours
MFG 450 Computer Aided
  Manufacturing ................................... 5 hours
Technical Electives ................................. 10 hours
Minimum .......................................... 190 hours

Optional business minor. The Industrial Management student can earn a minor in business with ACC 260, ECO 260, MGT 351, MKT 350 and 10 hours of upper division business electives. Both ACC 260 and ECO 260 must be taken as prerequisites to an elective business minor or credit will not be allowed in the minor with 300-400 level business courses.

Recommended technical and business electives:
TD 231
MFG 251
IET 450
IM 551
IM 552
IM 553
ECO 352
MGT 375
MFG 353
IET 452
MGT 361
MGT 372

NOTE:
1. Courses may be used to complete Areas I, II, and III requirements. However additional technical electives may be needed to satisfy minimum of 190 hours.
**SUGGESTED INDUSTRIAL MANAGEMENT MAJOR CHRONOLOGY**

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<td>IET 481</td>
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<td>IM 471</td>
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**BACHELOR OF SCIENCE IN PRINTING MANAGEMENT**

**PRINTING MANAGEMENT MAJOR**

Rapid growth in the printing industry has created many exciting career opportunities for graduates with specialized skills in printing production management. Elective areas are in printing technology-management, customer service, sales, estimating, and layout and design. The program prepares graduates for technical positions in production management and administration.

**DEGREE REQUIREMENTS:**

The degree program requires the fulfillment of the core curriculum and the courses listed below. At least 45 hours of approved printing management courses must be taken at Georgia Southern. A minimum of 190 hours is required for graduation.

**GENERAL EDUCATION REQUIREMENTS**

See Core Curriculum, Areas I, II and III 60 hours

Health (3 hours) and Physical Education (4 hours) 7 hours

**AREA IV AND SPECIFIC REQUIREMENTS**

Area IV requirements include 30 hours of Accounting, Marketing, Computer Information Systems, Manufacturing, Technical Drawing and Economics.

**SPECIFIC REQUIREMENTS**

(*) Denotes Area IV Requirements.

*ACC 260. Survey of Accounting ... 5 hours
*CIS 251. Data Processing .......... 5 hours
*TD 150. Technical Drawing or (TD 130 or TD 120) 5 hours
*MFG 150. Manufacturing Enterprise 5 hours
*MFG 356. Electrical Technology 5 hours
*MKT 255. Business Communication 5 hours
*ECO 260. Economics 5 hours
PM 250. Graphic Arts I 5 hours
PM 322. Printing Inks and Substrates 5 hours
PM 336. Desktop Publishing 3 hours
PM 345. Laws and Ethics of the Printing Industry 4 hours
PM 350. Graphic Arts II 5 hours
PM 365. Image Preparation 5 hours
PM 432. Printing Production Systems 3 hours
PM 434. Quality Control in the Printing Industry 3 hours
PM 451. Industrial Practicum 5 hours
PM 452. Graphic Arts III 5 hours
PM 453. Color Reproduction .......... 5 hours
PM 455. Estimating .................. 5 hours
PM 499. Internship (max. 10 hrs) . 5 hours
IM 351. Introduction to Industrial Management ............... 5 hours
MKT 350. Principles of Marketing .... 5 hours
MKT 351. Principles of Advertising ... 5 hours
IM 471. Industrial Supervision ...... 5 hours
GT 165. Technology, Science and Environment .................... 5 hours

NOTE: Grade requirement: A grade of "C" or better is required in each of the courses listed under Area IV and Specific Requirements.

The Printing Management major can earn an optional minor in business by choosing 15 or more hours from the courses listed below:

MKT 354
LST 352
FIN 251
MKT 375
MGT 376 or LST 358 or FIN 350
MKT 377 or LST 451 or FIN 451

NOTES:
1. Courses may be used to complete Areas I, II and III requirements. However, additional technical electives may be required to satisfy degree minimum of 190 hours.
2. ACC 260 and ECO 260 must be taken as prerequisites to be an elective in the business minor. Upper level business courses will not count in minor if taken ahead of ACC 260 and ECO 260.

SUGGESTED PRINTING MANAGEMENT PROGRAM CHRONOLOGY

Freshman year:
Fall  Winter  Spring
ENG 151  5     ENG 152  5     ENG 253  5
PM 250  5     PM 365  5     PM 336  3
TD 150  5     MAT 151  5     CHEM 171  5
PE  1     PE  1     PE  1

Sophomore year:
Fall  Winter  Spring
CHEM 172  5     PSC 250  5     HIS 152  5
GT 165  5     ECO 260  5     ART 160  5
PM 350  5     PM 332  3     PM 345  4
PE  1     PE  1     HTH 131  3

Junior year:
Fall  Winter  Spring
ACC 260  5     MFG 150  5     PM 434  5
MKT 255  5     PM 432  3     PM 451  5
CIS 251  5     PM 452  5     PM 453  5
      ES 231  

Senior
Summer  Fall  Winter  Spring
PM 499  5     PM 455  5     MKT  5     MKT  5
      Elective  5     350  5     350  5
      IM 351  5     IM 471  5     Elective  6
      Elective  

Additional hours of approved electives to total 190 hours is required for a Bachelor of Science in Printing Management.
U.S. ARMY RESERVE OFFICER TRAINING CORPS PROGRAM

The Army Department of Military Science is a Senior Division Reserve Officer Training Corps (ROTC) Instructor Group staffed by Regular Army personnel. The department provides a curriculum that qualifies the college graduate for a commission as an officer in the U.S. Army, United States Army Reserve or the United States Army National Guard. Enrollment is open to all students who are eligible to pursue a commission in the U.S. Army.

The Reserve Officer Training Corps program is designed to provide students with knowledge and practical experience in leadership and management that will be useful in any facet of society. Additionally each student is provided a working knowledge of the organization and functioning of the Department of Defense and the role of the U.S. Army in national security and world affairs.

The Reserve Officer Training Corps program is divided into two main phases: the basic course which is normally pursued during the freshman and sophomore years, and the advanced course which is taken during the junior and senior years.

Basic Military Science

The Military Science Basic Course teaches the organization and roles of the U.S. Army and introduces essential background knowledge of customs and traditions, leadership, map reading and small unit organization. These courses have the objective of developing the student's leadership, confidence, self-discipline, integrity and sense of responsibility. There is no service obligation or obligation to continue in Reserve Officer Training Corps as a result of taking any Basic Course classes. However the Basic Course classes need to be taken to qualify for entrance into the advance program. If all the basic course classes are not taken, the student may elect to attend Camp Challenge to qualify for the advance program. (See Two-Year Program versus the Four-Year Program.)

Advanced Military Science

The Military Science Advanced Course is taken during the junior and senior years. Students learn land navigation, communications, small unit tactics and patrolling, military management, staff operations and logistics, army administration, military law, ethics and professionalism. Additionally students must satisfy Professional Military Education (PME) requirements with courses in the following areas: written communication skills, human behavior, math reasoning, computer literacy and Military history (one five hour course each). Further, ROTC scholarship students must complete a five-hour course in a foreign language. Courses mentioned above, taken in pursuit of your degree will satisfy these PME requirements (e.g. ENG 151 Written Communication Skills). Students must meet eligibility requirements and sign a contract for commissioning with the US Army.

The general objective of these courses is to produce junior officers who by education, training, attitude and inherent qualities will be the future officer leadership of the US Army, US Army Reserve or the Army National Guard.

Advanced Summer Camp

Students contracting to pursue the advanced courses are required to attend advanced summer camp, normally between their junior and senior academic years. Students attending this camp are paid and given travel allowance from their home to camp and back.

Eligibility for Advanced Course Enrollment

For selection and retention in the advanced course, a student must have completed the basic course or received placement credit for the basic course (see paragraph below). The contracting student must be physically qualified, be an academic junior, have a GPA of 2.0 or better and must demonstrate a potential for further leadership development.

Veterans and JROTC graduates with at least three years of high school JROTC, and students who have completed military science courses in military preparatory schools and junior colleges are eligible for advanced placement. The entire basic course may be credited. The amount of credit to be awarded is at the discretion of the
Professor of Military Science. Completion of or placement credit for the basic course is a prerequisite for admission into the advanced course.

Students who are given placement credit for any portion of the basic course must be academically aligned as a junior (90-130 quarter hours) in order to contract into the Advance Course.

Two Year Program Versus the Four Year Program
The Reserve Officer Training Corps program is designed as a 4 year course of study. However, students who are not eligible for advance placement and who have not completed the basic course program may still become qualified for the advance program. They must satisfactorily complete a basic summer camp, of six weeks duration, during the summer between their sophomore and junior years. Students attending this basic camp (Camp Challenge) at Fort Knox, Kentucky are paid and given a travel allowance from their home to camp and return.

Obligation
There is no obligation for participating in the basic course. Prior to admittance in the advanced course the student agrees to complete the advanced course and to accept a commission if offered one. The options as to the obligations after commissioning are numerous and varied. The most esteemed achievement is to receive a Regular Army commission which incurs a four year active duty obligation. Those offered a Reserve commission with active duty serve three years. Other options include a Guaranteed Reserve Forces Duty which calls for three months to one year on active duty at an officer's basic course and 8 years service (monthly weekend drills and two weeks annual training with the United States Army Reserve or National Guard). Another option is the Individual Ready Reserve which requires attendance at the officer's basic course, but not active duty, United States Army Reserve, or National Guard service. Graduate delay programs are also available.

Financial Assistance
All contracted advance course cadets are paid a subsistence allowance of $100 per month while enrolled in the advanced course. This amounts to $2,700.00 when including advanced camp payment.

Scholarship Program
Each year the U.S. Army awards two-, three-, and four-year scholarships to outstanding young men and women participating in the Army Reserve Officer Training Corps program who desire careers as Army officers. In most cases, the Army pays tuition, fees, books and laboratory expenses incurred by the scholarship student and, in addition, each student receives $100 per month for the academic year; Based on the tuition cost of the school the scholarship cadet attends, there is a limit of $8000 annually or 80% of the tuition, whichever is greater. Individuals desiring to compete for these scholarships should apply to the Army Military Science Department at Georgia Southern University.

Some students who are enrolled in highly technical academic discipline programs and who qualify for Reserve Officers Training Corps scholarship benefits may be required to take an academic course load that will necessitate more than four academic years of study prior to graduation. It is possible to extend the Army Scholarship benefit to cover this additional period.

ROTC students successfully completing Advanced Camp may compete for Civilian Sponsored Scholarships awarded during their senior year. National winners receive $1,500 and Regional winners receive $1,000 during their senior year. Contact the Georgia Southern University, Department of Military Science at (912) 681-5320 for further information.

Refer to page 70 for information on the Bathwell A. "Snag" Johnson ROTC Honors Scholarship.

Army Reserve Officers Training Corps Uniforms, Books and Supplies
Students enrolling in the Army ROTC program will be issued U.S. Army uniforms, military books and supplies by the Military Science Department. Uniforms must be returned before commissioning or upon disenrollment from the Reserve Officers Training Corps program.
ENGINEERING STUDIES
Programs Available:
   Regents Engineering Transfer Program (RETP)
   Two-Plus Engineering Transfer Program (2+)

The Engineering Studies Office of the Allen E. Paulson College of Technology operates two distinct engineering transfer programs designed to be compatible with the undergraduate programs of a large number of engineering schools. These programs feature courses commonly offered in the first two years of engineering work, including mathematics, chemistry, physics and fundamental engineering science courses. Additional work in English, the humanities and social sciences round out a solid base of studies geared to achieve a smooth transition to upper level studies at the engineering school of the student's choice. Through careful guidance and high-quality instruction, the programs seek to optimize the student's opportunity to successfully complete an engineering degree in their chosen discipline.

Both programs follow essentially the same curriculum. The RETP, however, is specifically designed to provide transfer to the Georgia Institute of Technology and has entrance requirements specified by the Board of Regents, which are outlined below. The two-plus program does not use the same entrance requirements, but it demands the same level of performance in the same courses as does the RETP.

Each year a number of Gulfstream Scholars scholarships are available to individuals entering or in Engineering Studies. Successful applicants receive direct scholarship support of $2,000 per year. Additional information may be found under Scholarships.

Schools such as Auburn, Clemson, University of Florida, Florida State/FAMU, University of South Carolina and Mercer stand ready to accept transfer students from either one of these programs. Each school has its own criteria for accepting transfers and students who maintain a good level of performance in either of these programs should be able to transfer with relative ease.

Still a third program is available at Georgia Southern which ultimately leads to an engineering degree. This is the dual degree (3+2) program administered by the Department of Physics (see Dual Degree Program).

REGENTS ENGINEERING TRANSFER PROGRAM

Qualified students seeking a Bachelor of Engineering degree may begin their college studies at Georgia Southern through the Regents Engineering Transfer Program. Upon successful completion of the pre-engineering curriculum, students may transfer to the Georgia Institute of Technology to complete the degree requirements. Students in this program, like other Georgia Tech graduates, will normally require four to five and a-half years to complete the degree requirements, depending on their pre-college preparation, involvement in extra curricular activities and engineering major.

To be admitted to the Regents Engineering Transfer Program at this institution, students must have achieved at least:
1. 550 on the mathematics portion of the Scholastic Aptitude Test (SAT); and a
2. 450 on the verbal portion of the SAT:
   and a
3. 3.0 high school grade point average.

This institution's faculty members have worked closely with Georgia Tech's faculty to assure a curriculum which is well-coordinated with that of Georgia Tech.

Regents Engineering Transfer Program students who satisfactorily complete the pre-engineering curriculum and apply for transfer will be accepted to Georgia Tech. However admission to the most popular majors, as for other Georgia Tech students, will be based upon overall grade point average, performance in the required prerequisite courses and availability of student spaces.

Your work at Georgia Southern will also be compatible with engineering programs at institutions other than Georgia Tech where conditions for selection of major and length of program may differ from those described above.

Two-Plus Engineering Transfer Program
The Two-Plus Engineering Transfer Program offers an alternative to the aspiring engineering student who may not meet all the entrance
standards required for the Regents Engineering Transfer Program. The course of study is basically the same as for the RETP and should take two years, but some students may elect to follow an optional three-year plan of study which will strengthen their math and science preparation and reduce the course load taken each quarter. Qualified students who complete this program may apply for transfer to a number of engineering schools in the southeast including Georgia Tech.

The intent in offering this program is to widen access to an engineering education as much as possible, so entrance standards are less selective than those described above for the RETP. Students must understand that transfer to an engineering school completing the course work in this program will usually require an excellent academic record with a grade point average of 2.7 or better.

CURRICULUM
Course content of both the RETP and Two-Plus programs is essentially the same. The curriculum consists mainly of math, physics, chemistry and introductory-level engineering and engineering-related courses designed to provide the essential technical background for junior and senior level programs in a variety of engineering disciplines. These are augmented by a number of English courses and other core courses which help fulfill the non-technical course requirements of the typical engineering program. The course recommendations are listed below. Some of the engineering and engineering-related courses are recommended for all students, regardless of intended major discipline. Others are oriented toward particular disciplines and are intended mainly for those students planning to study a particular area of engineering.

COURSES REQUIRED FOR ALL MAJORS:

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<td>HTH 131</td>
<td>Personal Health</td>
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<td>MAT 166</td>
<td>Analytic Geometry &amp; Calculus I</td>
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<td>MAT 264</td>
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<td>MAT 249</td>
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<td>MAT 350</td>
<td>Differential Equations</td>
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<td>PHY 261</td>
<td>General College Physics-Mechanics</td>
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<td>PHY 262</td>
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COURSES REQUIRED FOR SPECIFIC MAJORS:

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<td>CHE 373</td>
<td>Organic Chemistry III (Ch)</td>
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<td>CSC 232</td>
<td>Introduction to FORTRAN Prog-ramming (A, C, Ch, M, N, T, U)</td>
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<td>EGR 133</td>
<td>Computer &amp; Digital Design Fundamentals (Cp,E)</td>
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<td>EGR 323</td>
<td>Instrumentation Lab (Cp,E)</td>
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<tr>
<td>EGR 242</td>
<td>Dynamics (A,B,C,Cp,E,I,M,N,T,U)</td>
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<tr>
<td>EGR 331-2</td>
<td>Elements of Electrical Engi-neering I, II (Cp, E, U)</td>
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<td>EGR 330</td>
<td>Introduction to Electronic Sys-tems (A, B, C, D, M, N, T)</td>
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<td>EGR 340</td>
<td>Thermodynamics I (A,C,M,N,T,U)</td>
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<tr>
<td>EGR 353</td>
<td>Mechanics of Deformable Bodies (A,C,M,N,T,U)</td>
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SUGGESTED ENGINEERING STUDIES COURSE SEQUENCE:

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<tr>
<td>1st Year</td>
<td>MAT 166</td>
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<td>PHY 263</td>
<td>PHY 262</td>
<td>Major electives</td>
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Major electives

COURSE DESCRIPTIONS

ALLEN E. PAULSON

COLLEGE OF TECHNOLOGY

Dr. Jamee E. Manring, Dean

DEPARTMENT OF ENGINEERING TECHNOLOGY

Chair: R. Hanson

Professors: J. Manring, D. Fowler, G. Jones, S. Laskin,
M. Degyansky, J. Karrh, J. Wallace

Associate Professors: K. Long, R. Redderson, R. Hanson, G. Clark, V. Kouch, J. Wang

Assistant Professor: M. Davoud, N. Das

Courses in Engineering Sciences, Civil Engineering Technology, Electrical Engineering Technology, Industrial Engineering Technology and Mechanical Engineering Technology are offered by the Department of Engineering Technology.

ES 121. INTRODUCTION TO ENGINEERING TECHNOLOGY

An introduction to the field of engineering technology. Includes speakers from different areas of engineering technology practice, individual student presentations on an engineering technology area/project, introduction to problem definition and standard computational techniques, and presentations on professional registration and professional ethics. Two lecture hours.

ES 231. DIGITAL COMPUTATION

An introduction to digital computation, designed to acquaint the student with the fundamentals of computing techniques. An appropriate programming language is used. Three single lecture periods. Prerequisite: Math 151-152 or 165.

ES 251. STATICS

The study of force systems on bodies at rest or in non-accelerated motion; resultants and equilibriums of force systems; centroids and moments of inertia; trusses and frames and machines; friction. Five single lecture periods. Prerequisite: Math 165 or Math 152, TD 130, and ES 121.

ES 252. DYNAMICS

The study of kinetics and kinematics of particles and rigid bodies; work and energy; impulse and momentum as applied to particles. Five single lecture periods. Prerequisites: Math 167 and ES 251.

ES 253. STRENGTH OF MATERIALS

Stress and elastic deformation under axial, torsional, flexural and combined loading; beam deflection; materials testing. Four single lecture periods and one two-hour lab. Prerequisites: Math 167 and ES 251.

ES 254. FLUID MECHANICS

Fundamentals of fluid statics and fluid dynamics; fluid properties, static and dynamic forces, flow losses, flow measurement, closed conduit and open channel flow. Four single-lecture periods and one two-hour lab. Prerequisite: ES 251. Corequisite: Math 167.

ES 351. INTRODUCTION TO ELECTRICAL CIRCUITS

For non-electrical engineering technology majors. An introduction to AC and DC Electric Circuits with topics in power, rotating machinery, and other areas commonly encountered in Civil, Industrial and Mechanical Engineering Technology. Four single lecture periods and one three-hour lab period. Prerequisite: Physics 263.
ES 399. SELECTED TOPICS IN ENGINEERING SCIENCE
This course is designed to provide for study of engineering science topics not generally offered by the department. One to 15 credits.

ES 450. COMPUTER METHODS IN ENGINEERING TECHNOLOGY
Application of computer methods to problems in engineering technology; use of BASIC and FORTRAN languages on microcomputers for technical problem solutions; DOS, word processor, and spreadsheet applications. Prerequisites: ES 231 and senior standing.

ES 495. SPECIAL PROBLEMS
Specialized study in the area of engineering science not otherwise offered in the engineering technology program. Credit: 5 hours—may be taken for repeated credit up to 15 hours.

CIVIL ENGINEERING TECHNOLOGY

CET 343. CONSTRUCTION MATERIALS
An introduction to fundamental construction materials in civil engineering technology with emphasis on laboratory testing. Analysis and design of base courses; design of portland cement concrete mixes; design of asphalt concrete mixes. Two lecture hours and two two-hour labs. Prerequisite: ES 253.

CET 345. INTRODUCTION TO ENVIRONMENTAL CONTROL
Pertinent legislation and agencies addressing environmental protection; chemical and bacteriological principles as applied to environmental control; stream sanitation and DO sag; principles of solid waste systems and hazardous waste control; standard laboratory tests. Three single lecture periods and one three-hour lab. Prerequisite: CHEM 171 or 181.

CET 351. ELEMENTARY SURVEYING I
Use of the level, transit, and EDM; taping, stadia reading, notekeeping and computations. Three single lecture periods and two two-hour labs. Prerequisite: Math 152.

CET 352. ELEMENTARY SURVEYING II
Topographic mapping; control surveys; triangulation; trilateration; state plane coordinate systems; astronomical observations for azimuth; subdivision and plat requirements; deed search at courthouse. Four single lecture periods and one three-hour lab. Prerequisite: CET 351 and ES 231.

CET 353. ROUTE SURVEYING
Application of techniques of route location; vertical, horizontal, and spiral curve calculation; earthwork computation techniques; mass diagram; stake out of final design. Four single lecture periods and one three-hour lab. Prerequisite: CET 351.

CET 361. SOILS AND FOUNDATIONS
A practical introduction to soil mechanics and foundations; formation of natural soil deposits, soil exploration, stress distribution in soil, consolidation of soil and settlement, shear strength of soil, spread footings, piles, and lateral earth pressure. Four single lecture periods and one two-hour period for laboratory exercises. Prerequisites: ES 253, ES 231.

CET 363. STRUCTURAL ANALYSIS
Review of fundamental design and analysis of determinate structures and introduction to indeterminate plane structures. Classical slope deflection and moment distribution. Introduction to computer analysis of frames with micro-computers. Prerequisite: ES 253 and ES 231.

CET 364. STEEL DESIGN

CET 365. REINFORCED CONCRETE DESIGN
Introduction to building code (ACI) specifications for design. Characteristics of materials. Structural mechanics of flexure. Strength design and deflection of beams. Strength design of columns. Four single lecture periods and one two-hour design/computational laboratory. Prerequisite: ES 253 and ES 231.

CET 399. SELECTED TOPICS IN CET
This course is designed to provide for study of civil engineering technology course topics not generally offered by the department. One to 15 credits.

CET 451. TIMBER DESIGN
Introduction to the design of wood structures in accordance with the National Design Specification for Wood Construction. Topics: Properties of wood, beams, columns, connections, and glulam members. Five single lecture hours. Prerequisites: ES 231 and ES 253.
CET 452. TRANSPORTATION SYSTEM DESIGN
A treatment of the fundamental principles of the planning, design, and analysis of highway and railway systems. Four single lecture periods and one two-hour design/computation laboratory. Prerequisites: Junior standing in CET.

CET 455. COLLECTION AND DISTRIBUTION SYSTEMS
Design of a wastewater collection system; Hardy-Cross analysis and design of a water distribution system; pumps and pumping stations in distribution and collection systems. Computer applications. Four single lectures and one two-day design/computational laboratory. Prerequisite: CET 345 and ES 231.

CET 456. TREATMENT PLANT DESIGN
Sources and characteristics of water and wastewater; principles of designs for units and processes in water and wastewater treatment plants; EPA and state requirements. Four single lecture periods and one two-hour design/computational laboratory. Prerequisites: CET 345 and ES 354.

CET 458. TRAFFIC ANALYSIS AND CONTROL
A fundamental treatment of the elements of traffic studies and data collection, geometric design, capacity analysis and evaluation, and control, operations and management.

CET 495. SPECIAL PROBLEMS
Specialized study. Prerequisite: junior standing, definition of problem and permission of instructor six weeks prior to beginning of quarter.

ELECTRICAL ENGINEERING TECHNOLOGY

EET 210. INTRODUCTION TO ELECTRICAL ENGINEERING TECHNOLOGY
An introduction to electrical engineering technology with elementary digital logic, and an introduction to laboratory equipment, measurements and technical report writing. One three-hour lab. Prerequisite: MATH 166 Calculus I.

EET 350. CIRCUIT ANALYSIS I
An introduction to basic circuit analysis including DC and AC circuits, network theorems and Kirchhoff’s Laws. Course is designed for and restricted to engineering technology majors. Non-majors may be admitted only with the instructor’s approval. Four single lectures and one three-hour lab period. Prerequisite: PHYS 252, EET 210, and MAT 167.

EET 351. ELECTRONICS I
An introduction to basic solid state devices including diodes, BJT’s and FET’s and their applications in rectifiers, amplifiers and power supplies. Four single lectures and one three-hour lab period. Corequisite: EET 350.

EET 352. PROGRAMMABLE CONTROLLERS
A study of sequential programmable logic controllers (PLCs) as applied to industrial processes with emphasis on ladder diagrams, input/output devices, application programming of control devices and networking. Four single lecture periods and one three-hour lab period. Prerequisites: EET 350.

EET 353. CIRCUIT ANALYSIS II
A continuation of EET 350. Topics include AC Power, Polyphase Circuits, Transformers, Resonant Circuits, LaPlace Transforms Incircuit Analysis, Transfer Functions, Fourier Analysis. Four single lecture periods and one three-hour lab period. Prerequisite: EET 350 and Math 264.

EET 354. ELECTRONICS II
A continuation of EET 351. Topics include FET devices and amplifiers, power amplifiers, operational amplifiers, multistage amplifiers, feedback amplifiers, oscillators, tuned amplifiers, and regulated power supplies. Four single lecture periods and one three-hour lab period. Prerequisites: EET 351 and EET 353.

EET 360. RF AMPLIFIER DESIGN
An introduction to modern techniques for RF amplifier design. The course concentrates on lumped element circuits in the frequency range 1-1000 MHz, RF amplifiers, oscillators and mixers, and RF receivers. Four single lecture periods and one three-hour lab period. Prerequisite: EET 351.

EET 399. SELECTED TOPICS IN EET
This course is designed to provide for study of electrical engineering technology course topics not generally offered by the department. One to 15 credits.

EET 420. ADVANCED INSTRUMENTATION
A study of various types of oscilloscopes, logic analyzers, data acquisition methods, spectrum analyzers, and instrumentation interfaces. One hour lecture and one two-hour lab. Prerequisite: EET 462 and Senior standing.

EET 450. INDUSTRIAL ELECTRONICS
Industrial applications of electronic devices including SCR’s, Triacs, switching circuits, timers, motor controls, and optical devices. Four single lecture periods and one three-hour lab period. Prerequisite: EET 351 and EET 353.
EET 451. ROTATING MACHINES
DC and AC (single and polyphase) motors and generators, energy converters and transformers. Four single lecture periods and one three-hour lab period. Prerequisite: EET 353.

EET 452. ELECTRICAL DISTRIBUTION
A study of electrical power distribution, primarily the national electrical code-residential and industrial, with emphasis on services, feeders, branch circuits, metering, voltage drops, sizing of conductors, demand limiting, etc. Four single lecture periods and one three-hour lab period. Prerequisite: EET 451.

EET 455. ENGINEERING MEASUREMENTS
Theory and practice of engineering measurements. Transducers, computer-aided signal acquisition, conditioning and analysis. Thermal, mechanical and fluid measurement applications, report writing. This course is cross listed with MET 455. Three single hour lectures and two double hour labs. Prerequisites: EET 350 or ES 355, and Senior Standing.

EET 456. DIGITAL CIRCUITS
A study of basic asynchronous and synchronous logic circuits. Topics include logic functions, Boolean operations, logic families, combinatorial logic, flip flops, counters, registers, and memory systems. Four single lecture periods and one two-hour lab period. Corequisite: EET 451 or permission of the instructor.

EET 457. COMMUNICATIONS ELECTRONICS
A study of the devices and circuits within modern electronics communications systems. Basic RF transmission and receiving systems, antennas, audio signal processing, and other selected topics are included. Four single lecture periods and one three-hour lab period. Prerequisite: EET 454.

EET 458. MICROPROCESSORS
A study of operation and application of Z80 Microprocessor. Course topics include microprocessor architecture, memory, peripheral devices, interfacing and microprogramming. Four single lectures and one two-hour lab period. Prerequisite: EET 456 or permission of instructor.

EET 459. CONTROL SYSTEMS
An introduction to feedback control theory including block diagrams, transfer functions, stability properties of feedback, and classical design methods. Five lecture periods. Prerequisite: EET 353.

EET 462. OPERATIONAL AMPLIFIERS
An introduction to operational amplifiers, including ideal amplifiers, basic feedback structures, op-amp characteristics, regulators, filters, and non-linear circuits. Four single lecture periods and one two-hour lab period. Prerequisite: EET 351.

EET 465. ELECTRONIC ENGINEERING TECHNOLOGY SENIOR PROJECT
Individually applied "Product Design and Build" project that includes specifications, scheduling, computer-aided engineering and design (CAE/CAD), printed circuit board fabrication and performance testing. Other requirements are weekly progress reporting, oral presentations, and a comprehensive written report. Two double lecture periods and one two-hour lab period. Prerequisite: Senior Standing in EET.

EET 467. ELECTRIC POWER SYSTEMS
A study of electric power transmission systems that includes basic energy principles, synchronous generation, power transformers, and load short circuit analysis. Four single lecture periods and one two-hour lab period. Prerequisite: EET 451.

EET 477. FIBER OPTIC COMMUNICATIONS
Fiber optic technology as applied to communication systems. Study of various types of optical fibers, laser and LED, photodiodes, optical connectors and optical systems. Five lecture periods. Prerequisite: EET 354 or permission of instructor.

EET 490. DIRECTED INDEPENDENT STUDY
An individualized study involving research and applications pertaining to electrical engineering technology. Credit 1-5 hours. Prerequisites: senior standing and definition of project six weeks prior to enrollment.

EET 495. SPECIAL PROBLEMS
Specialized study in areas of electrical engineering technology not otherwise offered in the elective program. May be taken for repeated credit up to 10 hours.

INDUSTRIAL ENGINEERING TECHNOLOGY

IET 320. INDUSTRIAL SAFETY
Development, programs, and practices of safety in modern industry. Two single lecture periods. Prerequisite: None.

IET 333. INTRODUCTION TO INDUSTRIAL ENGINEERING TECHNOLOGY
An overview of the field of industrial engineering technology including its historical development and its application to the usual industrial organization. Many of the topics considered will be further developed in specific major courses that follow. An integral part of the course will be
guest speakers and field trips, some of which will involve additional time beyond the scheduled class hour. Three single lecture periods. Prerequisite: ES 121.

IET 335. JOB EVALUATION
A survey of the basic principles and significance of job evaluation. An analysis of current practices and techniques used in job analysis, job descriptions, and job evaluation. Prerequisite: IET 333. Three single lecture periods.

IET 352. PRODUCTIVITY MEASUREMENT AND IMPROVEMENT
A study of various methods and tools used in industry and business to measure and improve work productivity. Content areas include: motion study, time study, predetermined time standards systems, work factors, work sampling, incentive systems, ergonomics, and other special topics for methods improvement and work measurement. Four single lecture periods and one two-hour lab.

IET 399. SELECTED TOPICS IN IET
This course is designed to provide for study of industrial engineering technology course topics not generally offered by the department. One to 15 credits.

IET 422. PROJECT PLANNING AND CONTROL
The study of project scheduling and management, including program evaluation and review technique (PERT), critical path methods (CPM), line balancing techniques, job scheduling, and related problems. Computer applications will be used for selected topics. One lecture period and one two-hour lab period. Prerequisites: Math 152 or 165, IET 333 or permission of instructor.

IET 431. SENIOR PROJECT
Directed work on individual projects for senior industrial engineering technology students. Prerequisite: Senior standing in IET.

IET 450. PRODUCTION PLANNING
Planning, tooling, production, and material problems involved in the manufacture of products. Five single lecture periods. Prerequisite: IET 451.

IET 451. PLANT LAYOUT AND MATERIALS HANDLING
The fundamental theories, practices, and methods for the design of manufacturing and service facilities; materials handling equipment and services. Three single lecture periods and two two-hour labs. Prerequisites: IET 320, IET 352, or consent of the instructor.

IET 452. INTRODUCTION TO ROBOTICS AND COMPUTER INTEGRATED MANUFACTURING
An introduction to basic robotics and computer integrated manufacturing and their applications in industries. Lab experiments are designed to give students the hands-on experience on the programming and integration of robots and CIM technologies in real manufacturing systems. Five credit hours. Three single lecture periods and two two-hour labs. Prerequisite: Math 152, ES 231, or consent of the instructor.

IET 453. INDUSTRIAL SYSTEMS SIMULATION
The modeling and analysis of real-world industrial systems by discrete and/or continuous simulation methods. Some popular simulation software packages will be taught and used as the modeling tool. Four single lecture periods and one two-hour laboratory. Prerequisites: One computer programming course, ES 231, CSC 232 or equivalent.

IET 481. ENGINEERING ECONOMY
The principles and techniques needed to make decisions about the acquisition and retirement of capital goods; the output and life of equipment, its operating costs, its depreciation rates and its economic selection. Five single lecture periods. Prerequisite: Math 152 or 165.

IET 490. DIRECTED INDEPENDENT STUDY
An individualized study involving research and applications pertaining to Industrial Engineering Technology. Credit 1-5 hours. Prerequisite: Senior standing and definition of project 6 weeks prior to enrollment.

IET 495. SPECIAL PROBLEMS
Specialized study in areas of Industrial Engineering Technology not otherwise offered in the elective program. May be taken for repeated credit up to 15 hours.

MECHANICAL ENGINEERING TECHNOLOGY

MET 340. KINEMATICS OF MACHINES
Kinematic analysis and design of the basic machine components and an introduction to mechanism synthesis. Three double periods. Prerequisite: ES 252.

MET 343. MATERIALS PROCESSING
Traditional as well as modern processing techniques. Limitation on the use of different materials and their processing, metal-casting processes and equipment, forming and shaping processes and equipment, material-removal processes and machines, joining processes and equipment. Should be taken simultaneously with the laboratory course MFG 333 - which provides Lab experience on the above topics.
Four single lectures weekly. Prerequisites: MET 451.

MET 352. APPLICATIONS OF THERMAL SCIENCE I
Technological applications of thermodynamics including production of power, refrigeration, air conditioning, and combustion. Four single lecture periods and one two-hour lab. Prerequisites: ES 351 and ES 354.

MET 354. AUTOMATION & COMPUTER INTEGRATED MANUFACTURING SYSTEMS
Fundamental concept in manufacturing, automation, and various topics in production and related control systems. These include numerical control, industrial robots, computer integrated manufacturing systems and flexible manufacturing systems. Four lectures and one two-hour lab weekly. Prerequisites: TD 130, TD 120, ES 231.

MET 399. SELECTION TOPICS IN MET
This course is designed to provide for study of mechanical engineering technology course topics not generally offered by the department. One to 15 credits.

MET 435. MACHINE COMPONENT DESIGN
The detailed design of components such as gears, bearings, clutches, brakes, springs and cams. Prerequisite: MET 456.

MET 446. HEAT TRANSFER
An introduction to basic energy transport by conduction, convection and radiation. Applications to extended surfaces, heat exchanger, etc. Three single lecture periods and one two-hour lab. Prerequisite: MAT 167.

MET 451. MATERIALS SCIENCE
Study of engineering materials such as metals and alloys. Atomic structure and arrangement; control of the microstructural and mechanical properties of materials; mechanical testing, metallography, cooling curves, and phase diagrams. Four single lectures and one two-hour lab weekly. Prerequisite: CHE 171.

MET 452. APPLICATIONS OF THERMAL SCIENCE II
A continuation of MET 352. Air conditioning, refrigeration, and heating pump cycles. Calculations of heating and cooling loads in accordance with ASHRAE practices. Design projects are included. Four single lecture periods, one two-hour lab. Prerequisite: ES 351.

MET 455. ENGINEERING MEASUREMENTS
Theory and practice of engineering measurements. Transducers, computer-aided signal acquisition, conditioning and analysis.

Thermal, mechanical and fluid measurement applications, report writing. This course is cross listed with EET 455. Three single hour lectures and two double-hour labs. Prerequisites: EET 350 or ES 355 and Senior Standing.

MET 456. MACHINE DESIGN
Principles of mechanical design, the design of machine elements with consideration given to strength requirements, fatigue, material properties and modes of failure. Computer applications are stressed. Prerequisite: ES 253.

MET 457. MECHANICAL SYSTEMS DESIGN
A senior design course requiring that the student call upon all of his academic preparation in the solution of mechanical systems problems. Five double periods. Prerequisites: MET 456, MET 435 and MET 340.

MET 459. VIBRATIONS
Free and forced vibrations of one, two and multi-degree-of-freedom systems. Theory is developed and applied to practical cases. Four single lecture periods and one two-hour lab. Prerequisite: ES 252.

MET 495. SPECIAL PROBLEMS IN MECHANICAL ENGINEERING TECHNOLOGY
Individual and specialized study in areas of mechanical engineering technology not otherwise covered in the student’s program. Prerequisite: senior standing, identification and definition of a problem or study area and approval of the instructor six weeks prior to the beginning of the quarter.

DEPARTMENT OF INDUSTRIAL TECHNOLOGY
Professors: K. Hickman, Chair; D. Ross and S. Williams
Associate Professors: T. Belanyi, L. Fine, J. Holmes, W. Meeks, C. Perry, L. Selvidge, and D. Williams
Assistant Professors: S. Altayeb, C. Beard, G. Duncan, H. Mortensen, and J. Stoudt

The Department of Industrial Technology is responsible for the following course offerings:

APPAREL DESIGN AND MANUFACTURING
ADM 257. BASIC STITCHOLOGY
A study of seam types, stitch formations and their application to various garment construction
features. Five single periods. Prerequisite: MFG 150.

ADM 430. APPAREL TRADE AND REGULATION
Student will become familiar with internal and external controls and limitations of the apparel industry. Field trips will combine with lecture and discussion techniques and presentations by appropriate industry management. Prerequisite: TFM 364.

ADM 452. ADVANCED APPAREL PRODUCTION
The study of garment development and manufacturing including costing, cutting room processes and trim selection. Prerequisites: ADM 350 and ADM 351.

ADM 454. QUALITY CONTROL/TESTING
Investigation of performance and quality control standards of textile fibers, yarns, fabrications, finishes and the resulting apparel. Actual fabric performance tests will be conducted. Prerequisites: TFM 168 & 364, ADM 430, 450, 451, 452 and 453.

ADM 495. SPECIAL PROBLEMS IN APPAREL MANUFACTURING.
Individual research in the technology associated with apparel manufacturing. Variable credit. Prerequisites: Definition of the problem and permission of the instructor prior to the beginning of the quarter.

BUILDING CONSTRUCTION AND CONTRACTING

BCC 230. CONSTRUCTION STATICS
A study of statics as focused on the needs of the builder. Topics include analysis of coplanar determinant static forces, bending moment and shear diagrams, friction, trusses and frames, and centroids and moments of inertia. Prerequisite: PHY 251. Two single periods and one double period.

BCC 240. CONSTRUCTION STRENGTH OF MATERIALS
A study of applied strength of construction materials. Topics include stresses and strains; property of materials; shear, bending moment, and deflection in beams; and column analysis. Prerequisite: BCC 230. Three single lecture periods and one double period lab.

BCC 251. CONSTRUCTION SURVEYING
An introduction to the equipment and techniques used for construction layout. Topics include taping, leveling, angle and bearing determinations, traverse computations, topographic surveying and project layout. Prerequisites: MAT 152, MAT 255 and BCC 250. Three single-lecture periods and two double-lab periods.

BCC 252. ARCHITECTURAL GRAPHICS AND PRINT READING
A study of construction working drawings. Sketching techniques for the presentation of floor plans, elevations, sections, and building components. A study to familiarize the student with the use of computer aided drafting and design in the development of construction drawings. Three single lecture periods and two double lab periods.

BCC 332. HISTORY OF ARCHITECTURE AND CONSTRUCTION
A study of architectural history and construction. Topics include architectural styles, historically significant buildings, construction methods, and notable architects and builders. Prerequisite: ENG 271, BCC 252 and satisfy Area III History requirements. Three single lecture periods.

BCC 340. WOOD STRUCTURES
A study of materials, systems, construction methods, and structural analysis of wood as it applies to building construction. Topics include: fundamental properties and characteristics of wood; strength analysis of wood and wood fasteners; introduction to wood framed systems; and an analogy of the methods used in the design, production and erection of wood construction. Prerequisites: BCC 250, CHE 171. Four single lecture periods.

BCC 341. SITE CONSTRUCTION
Fundamentals of site and foundation layout, earth movement and equipment, protection of excavations and adjacent buildings, foundation types and horizontal construction on building sites. Prerequisites: BCC 240, BCC 251, CHE 171, GLY 15. Two single-lecture periods and two double lab periods.

BCC 342. QUANTITY ESTIMATING
A study of construction estimating with emphasis on quantity take-off and specifications including the techniques of interpreting and visualizing construction drawings. All 16 divisions of the CSI Master Format will be covered. Prerequisite: BCC 350. Two single lecture periods and two double lab periods. (CSI-Construction Specifications Institute).

BCC 343. ELECTRICAL EQUIPMENT AND SYSTEMS
A study of Electrical Equipment and Systems as related to the building construction industry. Topics include principles of electrical power,
lighting and signal systems and electrical codes. Prerequisite: PHY 253 and BCC 252. Three single lecture periods and one double lab period.

**BCC 350. BUILDING MATERIALS AND SYSTEMS**
A study of materials, systems, and methods of construction. Topics include material properties, selection and application criteria and construction processes. Covers divisions 7-14 of CSI masterformat. Prerequisites: BCC 250, BCC 252, CHE 171. Five single lecture periods.

**BCC 351. MECHANICAL EQUIPMENT AND SYSTEMS**
A study of Mechanical Equipment and Systems as related to the building construction industry. The course is composed of two parts. Part one addresses thermo flow and ventilation characteristics, air handling systems, and mechanical codes. Part two addresses domestic water and waste systems, fire sprinkler and standpipe systems, and plumbing codes. Prerequisites: MAT 152, PHY 252 and BCC 252. Five single lecture periods.

**BCC 359. SELECTED TOPICS IN BUILDING CONSTRUCTION AND CONTRACTING**
This course is scheduled on an infrequent basis to allow the exploration of undergraduate topics within building construction and contracting. Course offerings shall carry a subtitle for topic identification. Prerequisite: Instructor permission.

**BCC 420. CONSTRUCTION SAFETY**
A study of safe construction site management techniques. Topics include hidden costs of accidents, workers’ compensation, OSHA regulations, construction disasters, safe construction training and planning. Prerequisites: Senior class standing in BCC. Two single lecture periods.

**BCC 431. BUILDING CODES**

**BCC 432. PROJECT CONTROL**
An integrated budget-schedule project control during the entire life of the project, with more emphasis on the construction phase. Topics include the concept of Work Package Breakdown Structure (WPBS), resource loading within work packages, updating budget forecasting. Prerequisites: BCC 443 and BCC 444. Three hours lecture.

**BCC 440. CONCRETE AND MASONRY STRUCTURES**
A study of materials, systems, and construction of concrete and masonry as it applies to building construction. Topics include fundamental properties of concrete; formwork design and construction; concrete reinforcing and accessories; concrete handling, finishing, and curing; field testing of concrete; masonry and mortar materials and accessories; and masonry construction. Prerequisite: BCC 340. Three single-lecture periods and one double-lab period.

**BCC 441. STEEL STRUCTURES**
A study of materials, systems, construction methods, and the structural analysis of steel as it applies to building construction. Topics include fundamental properties and characteristics of steel; strength to steel framed systems; and an analogy of the methods used in the design, production and erection of structural steel. Prerequisites: BCC 240 and CHE 171. Three single-lecture periods and one double-lab period.

**BCC 442. WOOD STRUCTURES**
A study of materials, systems, construction methods, and structural analysis of wood as it applies to building construction. Topics include: fundamental properties and characteristics of wood; strength analysis of wood and wood fasteners; introduction to wood framed systems; and an analogy of the methods used in the design, production and erection of wood construction. Prerequisites: BCC 240, BCC 252 and CHE 171. Four single lecture periods.

**BCC 443. CONSTRUCTION COST ESTIMATING**
Course topics include direct and indirect costs, labor and equipment analysis, price adjustments, purpose of cost estimates and review of related finance topics. The students are introduced to the cost estimating manuals and software in the preparation of cost estimates. Prerequisites: BCC 342. Four single lecture periods.

**BCC 444. PROJECT PLANNING AND SCHEDULING**
Fundamentals and techniques of scheduling and planning for construction projects. Topics include bar charts, critical path method using both arrow and precedence networks, CPM calculations, lags and leads, cost-time trade-offs, PERT, resource leveling, and updating schedules during construction. Students will be
introduced to the use of the scheduling software. Prerequisites: Junior or senior status in BCC program. Four single lecture periods.

BCC 454. SENIOR PROJECT
An exercise in the total planning of a simulated building construction project utilizing major elements of the BCC program as evidenced by the production of written and drafted information and the completion of standardized documentation. Primary emphasis is on the development of building and the compliance with building code and handicap access requirements, coordination of engineering elements, completion of typical construction documentation and production of a project estimate and schedule. Prerequisites: All BCC 300 and 400 level coursework or consent of instructor. Required BCC coursework may be taken concurrently with this course. One single-lecture period and four double-lab periods.

BCC 490. SEMINAR IN BUILDING CONSTRUCTION
A seminar designed to expose BCC students to pertinent advances and relevant topics of the construction industry. Presenters from the faculty and the construction industry host seminar sessions designed to enhance the professional development of BCC students. All BCC students must enroll each quarter after achieving junior class standing. Credits may be applied to graduation requirements. Prerequisite: Junior class standing BCC major.

BCC 495. SPECIAL PROBLEMS IN BUILDING CONSTRUCTION
Individualized study in the area of building construction and contracting not otherwise available in the student's program. Credit variable from one-five quarter hours depending on magnitude of study. Prerequisites: Permission from instructor six weeks prior to beginning of quarter in which study is to take place.

GENERAL TECHNOLOGY

GT 152. MAN. TECHNOLOGY, AND TRANSPORTATION
The methods and means for employing energy in land, water, air and space transportation systems.

GT 165. TECHNOLOGY, SCIENCE AND ENVIRONMENT
A systematic investigation of the constructs of technology in terms of their bases in scientific principles and their impact on the global environment.

GT 199. SELECTED TOPICS IN TECHNOLOGY
This course is scheduled on an infrequent basis to explore special areas in technology and will carry a subtitle.

GT 353. METHODS AND MATERIALS OF CONSTRUCTION
A survey of the construction enterprise and fundamental exploration of the commonly used building materials and methods.

GT 399. SELECTED TOPICS IN TECHNOLOGY
This course is scheduled on an infrequent basis to explore special areas in technology and will carry a subtitle.

GT 495. SPECIAL PROBLEMS IN TECHNOLOGY
Individual research in technology. Variable credit. Prerequisites: Definition of the problem and permission of the instructor prior to the beginning of the quarter.

GT 499. SPECIAL PROBLEMS/CO-OP
One credit hour

GT 599. SELECTED TOPICS IN TECHNOLOGY
This course is scheduled on an infrequent basis to explore special areas in technology and will carry a subtitle.

INDUSTRIAL MANAGEMENT

IM 351. INTRODUCTION TO INDUSTRIAL MANAGEMENT
The development, organization and operation of manufacturing industries.

IM 352. STATISTICAL QUALITY CONTROL
The application of statistics for the control of quality. The study will include quality systems and audits, techniques and procedures in the manufacturing environment. Emphasis is placed on statistical process control, sampling procedures, design of experiments, quality costs, and reliability. Three lectures and four hours laboratory. Prerequisites: Math 255 or consent of instructor.

IM 399. SELECTED TOPICS IN INDUSTRIAL MANAGEMENT
This course is scheduled on an infrequent basis to explore special areas in Industrial Management and will carry a subtitle.

IM 451. SENIOR PROJECTS
An application course in manufacturing projects including planning, controlling, and cost estimating as well as selection of materials and processes suitable for efficient production. Prerequisites: MT 450, IET 450, IET 422 or consent of the instructor.
IM 452. MANAGEMENT PROBLEMS IN INDUSTRY
A senior level industrial management seminar treatment of actual problems related to industrial production, quality control, quality assurance, and other related industrial management areas. Prerequisite: IM 332, senior standing or permission of instructor.

IM 471. INDUSTRIAL SUPERVISION
The practical problems of front line supervision and the application of manufacturing management and leadership principles to individuals and groups. Prerequisite: IM 351.

IM 495. SPECIAL PROBLEMS IN INDUSTRIAL MANAGEMENT
Individual research in the area of industrial production. Prerequisite: definition of the problem, permission of the instructor six weeks prior to the beginning of the quarter and a "B" or better average in IM 351 and 452. Variable credit.

IM 550. ERGONOMICS
A study of the application of human factors and employee input in the design, planning, control and operation of industrial systems. Emphasis will be placed on participatory ergonomics as it relates to the involvement of workers in decisions which directly affect their well-being. Topics include a broad scope of physiological and psychological factors and how they relate to the successful operation of a system. Five single lecture periods per week. Prerequisites: IET 320, IM 471, 5 hrs. Psychology.

IM 551. COMPUTER INTEGRATED MANUFACTURING
The design and development of manufacturing processes into an integrated system for flexible control of automated production. Prerequisites: ES 231, MFG 450 or consent of instructor.

IM 552. INDUSTRIAL HYGIENE
A study of occupational health approaches for anticipating and avoiding harmful situations in an industrial environment, which may have an adverse effect on the employees health, comfort and performance. Five single lecture periods. Prerequisite: 5 hours Chemistry, MFG 150 or IM 351, or IET 320, or consent of instructor.

IM 553. HAZARDOUS WASTE MANAGEMENT
This course describes hazardous waste substances and their management by combining planning, organizing and control techniques with a knowledge of generation, storing, transporting, treating, recycling and disposing of hazardous waste so potential manufacturing or industrial management problems can be solved. Regulations, legal aspects, and technical controversies surrounding today's hazardous waste management for a cleaner environment are also presented. Prerequisite: Five hours Chemistry.

IM 554. HUMAN RESOURCE PROTECTION
A study of the fundamental theories, practices, and methods of protecting the human resources within the industrial work environment. Emphasis is placed on the management of a variety of protection programs including: hazard recognition and control, fire protection, OSHA compliance. Five hours lecture.

MANUFACTURING

MFG 150. THE MANUFACTURING ENTERPRISE
A study of the activities common to manufacturing companies in the free enterprise system. Students are engaged in academic study paralleled with organizing, owning and operating a simulated company which develops, produces, and markets a competitive product for a profit.

MFG 250. THE INDUSTRIAL ENTERPRISE
A study of the historical, present, and future perspective of the technology man has created as part of the free enterprise system. The integration of people, machines and materials into production systems to meet mankind's needs and wants for goods and services.

MFG 333. MACHINING, FORMING AND FABRICATION PRACTICUM
A general study and practicum of machining, forming and fabrication techniques utilized in industry including conventional machining, CNC machining, layout development, bending and forming press work, foundry, mechanical assembly and welding. One single-lecture and two double-lab periods. Prerequisites: TD 120, TD 130, and MET 354 Corequisite: MET 343.

MFG 350. INDUSTRIAL PROCESSES AND MATERIALS
A study of the manufacturing processes utilized by industry to cut, shape, form, fasten and finish materials into industrial products. An emphasis is placed on the properties of common industrial materials such as metals, plastics, ceramics, etc. and their manufacturing appropriateness and adaptability to various manufacturing processes. No prerequisites.

MFG 351. INDUSTRIAL MAINTENANCE PRACTICES AND PROCEDURES
A study of the industrial maintenance practices and procedures necessary in a manufacturing production environment. Topics include preven-
tive maintenance, maintenance scheduling, mechanical systems maintenance and electrical electronic systems maintenance.

MFG 352. METAL MACHINING
A study of metal working machine tool technology in manufacturing. Knowledge about and skill development in the machining arts of grinding, drilling, turning, milling and the related areas of meteorology, tooling and metallurgy. Three single periods and four hours laboratory. Prerequisite: TD 150.

MFG 353. METAL FORMING AND FABRICATION
A study of metal forming and fabrication techniques including layout, development, bending and forming presswork, metal castings, mechanical assembly and welding. Three single periods and four hours laboratory. Prerequisite: TD 150.

MFG 354. ENERGY/POWER SYSTEMS
The conversion, transmission, storage and control of energy in industry and in modern means of transportation. Three single and two double periods. Prerequisite: TD 150, Math 151.

MFG 355. FLUID POWER
The principles and applications of hydraulics and pneumatics as a means of operating and controlling fluid devices and to multiply force and transmit energy. Four single and one double period. Prerequisite: Math 152, TD 150.

MFG 356. ELECTRICAL TECHNOLOGY
A study of basic electrical concepts and their application. D.C. A.C. and elementary electronics topics are included. Prerequisite: Math 151. Three single and two double periods.

MFG 357. ELECTRONICS TECHNOLOGY
A beginning level electronics course designed for those desiring a practical/applied knowledge of electronics such as that commonly needed in areas of Industrial Technology, Industrial Arts and Vocational Education. Course topics stress solid state electronics devices, electronics test equipment and commonly encountered electronics circuitry. Prerequisite: MFG 356, or permission of instructor.

MFG 358. WOOD TECHNOLOGY
The kinds, nature, and properties of wood, the tools and processes common to the wood using industries. Three single and two double periods. Prerequisite: TD 150.

MFG 360. WORLD CLASS MANUFACTURING
A comprehensive study of World Class Manufacturing precepts of Just-In-Time Production, Total Quality Control, Total productive Maintenance, and Total Employee involvement. Manufacturing systems are developed, and trail runs are conducted, and evaluated. Prerequisite: MFG 150 or permission of the instructor. Three lecture and four lab hours per week. Prerequisite: MFG 150 or permission from instructor.

MFG 399. SELECTED TOPICS IN MANUFACTURING
This course is scheduled on an infrequent basis to explore special areas in manufacturing and will carry a subtitle.

MFG 450. COMPUTER AIDED MACHINING
A study of modern industrial metal working technologies with emphasis on computer aided manufacturing, computer aided design and numerical control machining. Three single periods and four hours laboratory. Prerequisites: ES 321, MFG 352.

MFG 490. MANUFACTURING PRACTICUM
A team-taught, applied manufacturing-production course in which the student applies the concepts of efficient productivity and manufacturing. Five single periods and ten hours of laboratory. Prerequisites: ES 231, MFG 358, MFG 356, MFG 353, IM 351, and senior standing. Variable Credit.

MFG 495. SPECIAL PROBLEMS IN MANUFACTURING
Individual research in the technology associated with manufacturing. Variable credit. Prerequisites: Definition of the problem and permission of the instructor prior to the beginning of the quarter.

PRINTING MANAGEMENT
PM 250. GRAPHIC ARTS I
This course is an introduction to the printing processes such as flexography, photo-offset, screen process, and gravure. Also includes the related areas of graphic design, composition, photography, presswork, paper and ink, binding and finishing operations. Three single and two double periods.

PM 332. PRINTING INKS AND SUBSTRATES
This course is an introduction to the dynamic relationship between printing inks and the materials on which they are printed. Areas of concern include the manufacturing processes and characteristics of inks and papers, testing procedures and various other substrates. Three single periods. Prerequisite: PM 250.

PM 336. DESKTOP PUBLISHING
This course will cover basic desktop publishing procedures for the printing and publishing applications. Word processing, graphics, and
page assembly applications in a variety of computer environments. Will be including two hours lecture and two hours lab per week.

**PM 345. LAW AND ETHICS OF PRINTING INDUSTRY**
A survey of laws governing the printing industry including discussions of First Amendment issues, libel, copyright, obscenity, business regulation of advertising, the environment and labor and ethical concerns and decision making.

**PM 350. GRAPHIC ARTS TECHNOLOGY II**
This course is a study of films, chemistry, equipment and photomechanical methods of the printing industry, including line, halftone and special effects. Three single classes and two double laboratory sessions. Prerequisite: PM 250.

**PM 365. IMAGE PREPARATION**
Image Preparation is a study of layout and composition techniques used in the printing industry. The specific topics include hand and mechanical processes, photo-mechanical processes, and computer generated composition (electronic publishing). Three single classes and two double laboratory sessions.

**PM 399. SELECTED TOPICS IN PRINTING**
This course is scheduled on an infrequent basis to explore special areas in printing and will carry a subtitle.

**PM 432. PRINTING PRODUCTION**
A systematic and analytical approach to achieving an efficient production system in all areas of printing. Topics include elements of plant layout, work simplification, work measurement, and related areas. Three single periods.

**PM 434. QUALITY CONTROL IN THE PRINTING INDUSTRY**
An introduction to the technical quality control methods and systems used in the printing industry. Quality control production standards, targets, procedures and theories are included along with statistical process control methods specific to the printing industry. Three single periods. Prerequisite: PM 432.

**PM 451. INDUSTRIAL PRACTICUM**
This course is designed for direct observation and work experience with the local printing industry. The student is exposed to problems, practices, management structures and work ethics. Eight contact hours/work. Prerequisites: PM 350 Majors ONLY.

**PM 452. GRAPHIC ARTS TECHNOLOGY III**
This course is designed to introduce the student to film assemble and presswork. Topics: Impression layouts, film assembly, platemaking, proofing systems, and press operation. Three single classes and two double laboratory sessions. Prerequisites: PM 332, PM 365, and PM 350.

**PM 453. COLOR REPRODUCTION**
This course is an exploration of professional color reproduction concepts and procedures including color theory and copy evaluation, special techniques, production variables, photographic and electronic separation methods and an introduction to digital scanning. Three single classes and two double laboratory sessions. Prerequisites: PM 452 and PM 365.

**PM 455. ESTIMATING**
This course is designed to acquaint the student with various types of estimating practices found in the printing industry. Prerequisite: PM 453.

**PM 456. IMAGING SCIENCE I**
Imaging Science I is a course in digital imaging as it relates to the printing and publishing industry. The course will cover a variety of computer environments including the Macintosh and MS-DOS. Specific topics include various DOS systems, file transfers between systems, related hardware, software, input and output devices, and advanced computer aided publishing procedures. Three single classes and two double lab sessions. Prerequisites: PM 336, Desktop Publishing; PM 365, Image Preparation.

**PM 457. IMAGING SCIENCE II**
Imaging Science II is a course on color imaging using the computer. The course focuses on digital imagery related to the creation, editing and proofing of commercial quality color for the printing and publishing industry. Various kinds and qualities of color input including scanning, still and motion imagery will be covered. Electronic and digital output devices for proofing, film and plate generation will be studied. Three single classes and two double lab sessions. Prerequisites: PM 456 and PM 453.

**PM 460. PRESENTATION GRAPHICS**
Presentation Graphics is a study of digital (computer related) imaging for presentations. The course will cover the creation of digital visual images such as slides, overheads, transparencies, video import, animation, and simulation used in industrial applications related to printing technology. Three single classes and two double laboratory sessions. Prerequisites: PM 365 or PM 336 or permission of instructor.

**PM 495. SPECIAL PROBLEMS**
This course is designed for individual research
in printing management. Variable credit. Prerequisites: PM 452 & PM 365; definition of the problem prior to the beginning of the quarter. Permission of instructor.

PM 499. INTERNSHIP
This course is designed for students to receive practical work experience with an approved printing firm. A total of 400 contact hours with the printer is required. Approval of internship coordinator required. Prerequisites: PM 451. PM Majors ONLY.

TECHNICAL DRAFTING AND DESIGN

TD 130. TECHNICAL DRAWING
A basic drafting course with emphasis on manual drafting skills and projection theory and practice. Two single and one double period.

TD 150. TECHNICAL DRAFTING
The fundamentals of planning and drawing with emphasis on drafting skill and technique applied to graphical and technical analysis. Three single and two double periods.

TD 152. ARCHITECTURAL GRAPHICS
A study of graphics used to represent architectural applications including building plans, sketching, blueprint reading, perspectives and other techniques. Three lecture and two double-lab periods.

TD 220. COMPUTER DRAFTING
A basic computer aided drafting course. One single period and one double period. Prerequisite: TD 130 or equivalent or permission of instructor.

TD 231. DESCRIPTIVE GEOMETRY
The fundamental theories underlying the graphical description, in geometrical terms, of the shape, size and space relationships of geometrical magnitudes. One single and two double periods.

TD 330. TECHNICAL ILLUSTRATION
A study of techniques used for preparation and illustration of technical data and devices in industrial, scientific, educational, and consumer service. One single and two double periods.

TD 333. COMPUTER AIDED DRAFTING AND DESIGN
Computer aided drafting (CAD) and design. One single-periods and two double-period. Prerequisites: TD 150 or TD 152, or TD 130 and TD 220.

TD 334. INDUSTRIAL DESIGN
Design as a process; planning and creative decision making activities; use of basic concepts and the manipulation of technical knowledge for the purpose of creating new knowledge. Prerequisites: TD 150, MK 350, WT 350.

TD 350. INDUSTRIAL PRODUCTION DRAFTING
A sequel to TD 150 concentrating on technical drafting from the production-manufacturing standpoint. Topics include detailed working drawings, tolerances, jigs, fixtures and the like. Three single periods and four hours laboratory. Prerequisite: TD 150.

TD 399. SELECTED TOPICS IN DRAFTING
This course is scheduled on an infrequent basis to explore special areas in drafting and will carry a subtitle.

TD 495. SPECIAL PROBLEMS IN TECHNICAL DRAFTING AND DESIGN
An opportunity for individual research and experimentation in design or drafting. Prerequisite: Definition of the problem and permission of the instructor six weeks prior to beginning of the quarter. Variable credit.

DEPARTMENT OF MILITARY SCIENCE

Professor of Military Science: Lieutenant Colonel George Keckeisen
Assistant Professors: Major Randy Cox, Captain Don Police, Cyprian Laporte
Senior Instructor: Master Sergeant Usher Appling
Instructors: Sergeant First Class Frederick Wright, Sergeant Suk Park

The Department of Military Science conducts the Department of the Army Senior ROTC Program which is divided into two phases. The basic course, consisting of the courses listed immediately below is normally open to freshmen and sophomore students only. Basic course students incur no service obligation and are provided an opportunity to sample ROTC and U.S. Army offerings. Basic course students are eligible to compete for two and three year academic scholarships. Scholarship recipients receive full tuition costs, fees, a textbook allowance, plus $100 a month for up to 10 months each year.

All students entering Military Science courses should have a statement from a physician attesting that the student is capable of participating in strenuous physical activities. This statement must be no more than one year old from time of entry.
The advanced course is recommended for students who have completed the Basic Course and desire to pursue a commission in the US Army.

**BASIC COURSE (MS I AND II)**

**MS 101. INTRODUCTION TO MOUNTAINEERING**

Instruction and practical exercises introducing the fundamental of mountaineering (climbing, rappelling, belaying, and rope-bridging techniques). Emphasis is placed on knotting, safety procedures, and the use of group dynamics to expand the learning experience in a wilderness environment. Basic first aid subjects are included in the course. One weekend field trip is required. Acceptable as a P.E. requirement. Credit: 1 hour.

**MS 102. INTRODUCTION TO MILITARY SCIENCE**

Instruction provides a basic understanding of the U.S. Army and its role in national defense. The course includes the following subjects: The role of the U.S. Army in national defense, organization and branches of the U.S. Army, map reading, customs and traditions of the service, military writing, implement a personal physical fitness program, leadership, role of the ARNG and USA, and the role of the noncommissioned officer. Credit: 1 hour.

**MS 103. BASIC MILITARY LEADERSHIP**

Instruction covers the fundamentals of Army leadership and management techniques. This is accomplished through lectures and discussions on leadership and management theories, special readings and student presentations. Credit: 1 hour.

**MS 201. LAND NAVIGATION/MAP READING**

Instruction on the skills required to accomplish cross country navigation using a compass and/or a map. The course will incorporate the use of military map symbols and identification of terrain features depicted on a military map. Credit: 1 hour.

**MS 202. INDIVIDUAL MILITARY SKILLS**

Instruction in various individual military skills and professional knowledge subjects to include basic first aid, survival, and communications. Credit: 1 hour.

**MS 203. BASIC TACTICS**

Instruction on the mission, organization and composition of small unit teams, principles of offensive and defensive operations stressing firepower, movement and communication techniques; and introduction to troop leading procedures. Credit: 1 hour.

**ADVANCED COURSE (MS III AND IV)**

**MS 324. ADVANCED TACTICS I**

Instruction on the fundamentals of leadership and the leader’s role in directing individuals and small units in offensive and defensive tactics. Emphasis is placed on developing and executing orders under a given scenario, and troop leading procedures. Land navigation and communication subjects are also included in the course. Credit: 2 hours.

**MS 325. ADVANCED TACTICS II**

Instruction on the fundamentals of leadership and the leader’s role in directing small and large units in offensive and defensive tactics. Emphasis is placed on squad tactical reaction procedures, patrolling techniques and conducting after-action reviews. Credit: 2 hours.

**MS 326. ADVANCED LEADERSHIP**

Instruction on management, leadership and motivation techniques which relates to both civilian and military environments. Emphasis is placed on green tab leadership and leadership assessment. Subjects deemed necessary as final preparation for advanced summer training are also included in the course. Credit: 2 hours.

**MS 424. COMMAND AND STAFF OPERATIONS**

This class provides the MS IV cadet with instruction in the Army Command and Staff Functions. Military and professional knowledge topics include writing in the Army style, write an after-action report, oral communications, conduct briefings, prepare to conduct training, evaluate training and the Leadership Assessment Program. Credit: 2 hours.

**MS 425. LEADERSHIP AND MANAGEMENT**

The course consists of study of Military Law, the Law of War and basic professional knowledge an individual needs in order to be a professional officer. Credit: 2 hours.

**MS 426. TRANSITION TO LIEUTENANT**

To prepare and assist MS IV cadets in their transition from cadet/student to commissioned officer/professional. Credit: 2 hours.

**ENGINEERING STUDIES**

Dr. Gerald Jones, Director

Courses with an EGR prefix are designed for the engineering studies programs and enrollment is restricted to students admitted to these
programs. On occasion other students may enroll in these courses. In the course descriptions that follow, numbers in parentheses indicate corresponding Georgia Tech courses.

**EGR 130. INTRODUCTION TO ENGINEERING**

An introductory course for freshmen engineering students. Topics include engineering calculations, analysis, modeling, design, and engineering communications. (ESM 1101)

**EGR 131. INTRODUCTION TO VISUAL COMMUNICATION AND DESIGN**

The objectives of this course are to teach the principles of graphic expression and the use of computer-aided drafting and design (CADD). Two single lecture periods and one three-hour lab period. (EGR 1170)

**EGR 132. COMPUTER APPLICATIONS**

Introduction to computer applications in engineering. Topics include PC operating procedures, word processing, spreadsheets, "TK solver," and "quattro" software applications. (AE 1600) Prerequisite: Any introductory computer experience.

**EGR 133. COMPUTER & DIGITAL DESIGN FUNDAMENTALS**

To introduce the fundamental concepts of digital systems including digital computers. Course topics include basic logic gates, logic minimization, logic hardware, and computer hardware organization. (EE 1300)

**EGR 190. FRESHMAN ENGINEERING SEMINAR**

A seminar designed to expose the freshman engineering student to various non-technical aspects of the engineering profession. These topics include careers in engineering, the engineering curriculum, ethics and other professional responsibilities, and other related topics. Required of all freshman engineering studies majors. One single lecture period per week for three quarters. (ESM 1101)

**EGR 241. STATICS**


**EGR 242. DYNAMICS**


**EGR 323. INSTRUMENTATION LABORATORY**

Introduction to instrumentation equipment, techniques and practice. Operation of oscilloscopes and meters. Measurement of parameters of devices and components. Two lecture hours and one three hour lab period. (EE 3400)

**EGR 330. INTRODUCTION TO ELECTRONIC SYSTEMS**

An introduction to electric circuit elements and electronic devices and a study of circuits containing such devices. Both analog and digital systems are considered (EE 3710). Prerequisite: PHY 262.

**EGR 331. ELEMENTS OF ELECTRICAL ENGINEERING I**

An introduction to basic concepts of circuit elements, circuit models and techniques for circuit analysis. (EE 3200)

**EGR 332. ELEMENTS OF ELECTRICAL ENGINEERING II**

Course topics include time-domain analysis, ac circuits, two-port and multiport network. (EE 3250)

**EGR 340. THERMODYNAMICS I**

An introduction to thermodynamics. Thermodynamic properties, state postulate, work interactions, steady state and transient energy and mass conservation, entropy, and the second law (ME 3322). Text at the level of Hartley and Black, Thermodynamics. Prerequisites: PHY 262, MAT 249.

**EGR 353. MECHANICS OF DEFORMABLE BODIES**

Definition and analysis of strain and stress, applications to axially loaded elements, torsion of circular shafts and bending of beams. Introduction to simple plasticity and to column stability. Text at the level of Popov, Introduction to the Mechanics of Solids. (ESM 3301) Prerequisites: EGR 241, MAT 265.

**MASTER OF TECHNOLOGY**

Dr. David Williams, Director

1. Minimum of three quarters (one academic year) or three summer sessions in residence.
2. Satisfactory completion of a program of study that includes 40 quarter hours of course work and research.
4. A terminal examination.

For unqualified admission to the Graduate
School to pursue graduate work leading to the Master of Technology degree, the applicant must have:

1. Completed requirements for the bachelor's degree in a college accredited by the proper regional accrediting association.

2. An average of "C+" (2.5 grade point average) or higher on all undergraduate work.

3. A score of no less than 900 on the Graduate Record Examinations, Verbal and Quantitative. A student may be granted provisional admission with a minimum score of 800 on the GRE accompanied by a better than 2.5 (4.0 scale) cumulative grade point average on undergraduate college work.

4. An undergraduate major or the equivalent in the proposed field of study.
COLLEGE OF GRADUATE STUDIES
Responding to increasing needs for graduate-level services in South Georgia, the Board of Regents of the University System of Georgia approved the establishment of Georgia Southern University, effective July 1, 1990. In addition to the conversion of Georgia Southern College to "university" status, the change brings together the graduate-level instructional and research activities in South Georgia by "affiliating" the graduate functions of both Armstrong State College and Savannah State College with Georgia Southern University. Armstrong State College and Savannah State College maintain autonomy as undergraduate colleges but participate in graduate activities under the auspices of the College of Graduate Studies at Georgia Southern University. While all undergraduate degrees continue to be awarded by the three participating institutions, all graduate degrees are now awarded by Georgia Southern University.

PURPOSE AND ORGANIZATION
Graduate programs are designed to provide students with the opportunity and resources to enhance their educational, professional, and cultural backgrounds while improving their professional skills and competence. Graduate programs encourage scholarly inquiry through the appropriate application of valid research methods.

All graduate programs are administered and coordinated by the Vice-President and Dean for Graduate Studies and Research who serves as Chairman of the Graduate Council. The Graduate Council is an inter-institutional advisory body composed of representatives from Georgia Southern University, Armstrong State College, and Savannah State College. The Council provides policy direction to the Vice President on all matters related to graduate programs.

GRADUATE DEGREE PROGRAMS
Georgia Southern University offers the following graduate degree programs:
Master of Arts
Master of Business Administration
Master of Education
Master of Fine Arts
Master of Public Administration
Master of Recreation Administration
Master of Science
Master of Science for Teachers
Master of Science in Nursing
Master of Technology
Education Specialist Degree
Doctorate of Education in Educational Administration

Georgia Southern University offers the following graduate degree programs in Savannah in affiliation with either Armstrong State College or Savannah State College (Additional graduate courses are taught in Savannah in support of other programs of study.):

Armstrong State College
Master of Arts - History
Master of Education
Master of Health Science
Master of Science - Criminal Justice
Master of Science in Nursing

Savannah State College
Master of Public Administration
Master of Social Work (currently under development)

Programs of Study
Adult and Vocational Education
Art
Biology
Business
Counselor Education
Criminal Justice
Early Childhood Education
Educational Administration
English
Exercise Science
French

Degree
M.Ed.
M.F.A./M.Ed./M.S.T
M.S.
M.B.A.
M.Ed./M.S.T.
M.S.*
M.Ed.*/Ed.S.
Ed.D.
M.A./M.Ed.*/M.S.T./Ed.S.
M.S.
M.Ed.
German
Health and Physical Education
Health
Higher Education and Student Services
History
  Public History*
Home Economics
Instructional Media
Library Media
Mathematics
Mathematics Education
Middle Grades Education
Music
Nursing
Political Science
Psychology
Public Administration
Reading Specialist
Recreation Administration
School Administration and Supervision
School Psychology
School Psychometry
Science
Secondary Subject Matter Supervision
Social Science
Social Work (currently under development)
Sociology
Spanish
Special Education for Exceptional Children
  Behavior Disorders*
  Intellectual Disabilities
  Interrelated
  Learning Disabilities*
  Speech/Language Pathology*
Sport Management
Technology
Technology Education

M.Ed.
M.Ed./M.S.T./Ed.S.
M.H.S.*
M.Ed.
M.A.

M.Ed./M.S.T.
M.Ed.
Ed.S.
M.S.
M.Ed./M.S.T./Ed.S.
M.Ed.*/Ed.S.
M.Ed./M.S.T./Ed.S.
M.S.N.*

M.Ed.
M.A.

M.Ed.
M.P.A.+

M.Ed./Ed.S.
M.R.A.

M.Ed./Ed.S.
Ed.S
M.Ed.
M.Ed.*/M.S.T./Ed.S.

M.Ed.
M.Ed.*/M.S.T./Ed.S.

M.Ed.+

M.S.W.+

M.A.
M.Ed.

M.Ed.*/Ed.S.

M.Ed.
M.Ed./M.S.T./Ed.S.

* Indicates programs offered in affiliation with Armstrong State College
+ Indicates programs offered in affiliation with Savannah State College

GEORGIA SOUTHERN UNIVERSITY
GRADUATE CATALOG
Please refer to the Georgia Southern University Graduate Catalog for additional information related to admission procedures and requirements. The Graduate Catalog also contains information on graduate programs, graduate courses, the graduate faculty, financial aid opportunities, and academic standards and regulations.

Copies of the Graduate Catalog and application information are available in the following offices:

The College of Graduate Studies
Landrum Box 8113
Georgia Southern University
Statesboro, Georgia 30460-8113
(912) 681-5384
(800) GRAD-GSU

Office of the Associate Graduate Dean
Armstrong State College
Savannah, Georgia 31419
(912) 927-5377
OFF-CAMPUS GRADUATE CENTERS

Resident graduate credit is offered on off-campus centers at Brunswick and Fort Gordon (Augusta). Students in Brunswick may pursue Master of Education (M.Ed.) programs in: Early Childhood Education, School Administration and Supervision, Special Education for Exceptional Children, and Middle Grades Education or Public Administration (M.P.A.), while Fort Gordon students may pursue programs in either Adult Education (M.Ed.) or Public Administration (M.P.A.).

Off-campus admission and degree requirements are identical to those of the on-campus programs. Information can be obtained at the off-campus sites as well as the on-campus sites listed above.

GSU Graduate Office
Continuing Education Office
Brunswick College
Brunswick, Georgia 31523
(912) 264-7260

Education Division
GSU Graduate Office #38804
Pt. Gordon, Georgia 30905
(404) 790-9338
ADMINISTRATION AND FACULTY

ADMINISTRATION .............................................................. 303
FACULTY ........................................................................ 304
ADMINISTRATION
THE UNIVERSITY SYSTEM OF GEORGIA
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Current Term  Expires

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FACULTY 1992-93
The date enclosed in parentheses indicates the year the faculty member joined the staff of Georgia Southern University. The asterisk denotes Graduate College faculty (full and associate members).

SHERRIE N. ABBOTT, Assistant Professor of Nursing
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ELEANOR F. AGNEW, Assistant Professor of English

*JUNE E. ALBERTO, Associate Professor of Nursing

KATHY S. ALBERTSON, Instructor of English

NATHANIEL C. ALEXANDER, Associate Professor of Student Development Programs

*MICHAEL G. ALLEN, Associate Professor of Middle Grades and Secondary Education

DAVID C. ALLEY, Assistant Professor of Spanish

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*EARL RAYMOND ANDREWS, Associate Professor Emeritus of Technology
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GLOSSARY

ACCREDITATION. Recognition granted schools and colleges upon examination by groups of visiting professionals based upon objective standards developed by interested professional agencies. An accredited school or college has measured up to the standards of quality imposed by professional groups and accrediting agencies.

ADJUSTED GRADE POINT AVERAGE. When courses are repeated, the last earned grade is the official grade and is the grade that is calculated to determine the adjusted grade point average. The adjusted GPA is used to determine academic standing.

APPROVED ELECTIVE. A course chosen by the student with the approval of the advisor.

An approved elective usually relates to the student's major or minor field.

AUDITING STUDENT. A student who enrolls in but earns no university credit for that course.

CORE CURRICULUM. Those courses required of all students in any given area of study. The core curriculum usually is completed in the freshman and sophomore years and gives the student a basis for advanced study in the junior and senior years.

CUMULATIVE GRADE POINT AVERAGE. The cumulative grade point average is the grade average on all work which the student has attempted. It is obtainable by dividing the total number of grade points earned by the total number of quarter hours attempted.

CURRICULUM. The body of courses taught in a college or division, e.g., "the curriculum of the College of Arts and Sciences."

DEFICIENCY, SCHOLASTIC. Incurred when the ratio of grade points to hours falls below the standard required for graduation, or some other specified standard, e.g., continuation of academic standing.

EXCLUSION, ACADEMIC. The second involuntary separation of a student from the University because of failure to meet academic standards. The only way a student may return after exclusion is through a successful appeal to the Admissions Committee after one full year.

GRADE POINT AVERAGE (GPA). The average attained by dividing the number of quality points earned by the hours attempted.

GRADUATING AVERAGE. A grade-point average of at least 2.0 is required of each candidate for a degree in approved courses totaling at least the number of quarter hours required by the school in which the student is registered.

MATRICULATION. Enrollment in the University.

ORIENTATION. Designed to help the new student become acquainted with the University,
its campus, its ideals and traditions. It is also
a period for tests and examinations that
provide the faculty with a basis for advising
and assisting students in planning their
program.

PREREQUISITE. A requirement beforehand.
Usually a course, examination, or some other
condition which must be met successfully
before another course may be taken.

PROBATION, ACADEMIC. A result of unsatis­
factory scholarship. Probation is not a penalty,
but a warning and an opportunity to improve.

PROBATION, DISCIPLINARY. The middle
status between good standing and
suspension or dismissal. The student remains
enrolled but under stated conditions
according to University policies.

PROGRAMS OF STUDY. Groups of courses
designed to qualify a student to receive a
specific degree or reach a designated
academic goal.

QUALITY POINT. A numerical value assigned
to the grade a student receives in a course in
order to provide a quantitative determination
of the student's scholarship. Used in
computing grade-point average.

QUARTER SYSTEM. The scheduling of four
periods of academic study within a calendar
year. Each quarter provides for a minimum
and maximum amount of scholastic work.
Each quarter begins with registration and
concludes with examinations over that
period's work. Three quarters constitute an
academic year.

SUSPENSION, ACADEMIC. The first
Involuntary separation of a student from the
university because he has not met the
academic requirement. The penalty is one
quarter out of school.

TRANSCRIPT. A certified copy of credits which
a student has earned.

TRANSIENT STUDENT. A student who has
taken work at another college or university
may apply for the privilege of temporary
registration. Work earned at Georgia Southern
will be transferred to the institution where
previously enrolled.
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