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Georgia Southern
UNIVERSITY



1996 • 1997
GENERAL CATALOG

Georgia Southern University

1996-97 General Catalog

CollegeSource

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Responsibility for ensuring continued implementation of this policy has been assigned to *Dr. Larry Taylor, Director of the Office of Affirmative Action*. If you have questions regarding our policy of nondiscrimination, please contact the *Office of Affirmative Action at: (912) 681-5136, L.B. 8035, Statesboro, Georgia 30460-8035*.

How To Use This Catalog

The Georgia Southern University General Catalog is an information book and reference guide dealing with different 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 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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GENERAL INFORMATION: (912) 681-5611



Statesboro, Georgia 30460

A unit of the University System of Georgia
Equal Opportunity/Affirmative Action Institution

GENERAL CATALOG

GEORGIA SOUTHERN UNIVERSITY

Statesboro, Georgia

A UNIT OF THE UNIVERSITY SYSTEM OF GEORGIA
AFFIRMATIVE ACTION / EQUAL OPPORTUNITY INSTITUTION

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APPLICATION

UNIVERSITY CALENDAR—1996-97**FALL QUARTER 1996**

June 15	Deadline for Fall Quarter International Graduate Student Admission Application
August 1	Deadline for Fall Quarter Undergraduate Student Admission Application
September 1	Deadline for Fall Quarter Graduate Student Admission Application
September 2	Holiday - Labor Day Observed
September 5	Early Registration Fee Payment Deadline for Fall Quarter 1996
September 9	Academic Year begins
September 9	Deans, Directors, Department Chairs workshop, 9:00 a.m. - noon
September 10	Admissions Committee Meeting, 2:00 p.m.
September 12	New Faculty Orientation and Workshop, 8:30 a.m. - 4:00 p.m.
September 13	Faculty Meetings by College, 9:00 a.m. College of Liberal Arts and Social Sciences, 9:00 a.m. College of Business Administration, 9:00 a.m. College of Education, 9:00 a.m. College of Health and Professional Studies, 9:00 a.m. Allen E. Paulson College of Science and Technology, 9:00 a.m.
September 13	General faculty Meeting, Russell Union Theater, 4:00 p.m. - 6:00 p.m.
September 13	Undergraduate Evening Studies Final Registration, 5:00 - 6:00 p.m.
September 15	Residence Hall check-in between 9:00 a.m. and 5:00 p.m.
September 15	New Student Orientation and Advisement (for those Freshmen and Transfers who did not attend Summer Orientation and those canceled for non-payment of fees). Check-in begins at 11:30 a.m. and Program begins at 1:00 p.m.
September 16-18	Residence Hall Check-In between 9:00 a.m. and 5:00 p.m.
September 16	Admissions Committee Meeting, 2:00 p.m.
September 16	New Student Registration, Williams Center, 9:00 a.m.
September 17	Graduate Registration in Savannah, 2:00 - 7:00 p.m.
September 17	Final Registration for Former Students, Williams Center 10:30 a.m. - 6:00 p.m.
September 18	Brunswick Graduate Registration, 4:00 - 6:00 p.m.
September 18	Drop/Add, 8:00 a.m. - 4:00 p.m.
September 18	\$50 Late Registration Fee Begins
September 19	Classes Begin
September 19	Final date for filing Application for Graduation in Registrar's Office for completing degree requirements Fall 1996
September 19	Deadline for filing Admissions Committee Appeals in the Registrar's Office, 3:00 p.m.
September 19,20	Schedule Adjustment, Fall Quarter 1996
September 20	Admissions Committee Meeting, 9:00 a.m.
September 30	Deadline for M.Ed Students to register to take the comprehensive examination during Fall Quarter
October 1	Deadline for Winter Quarter International Graduate Student Admission Application
October 18	Official Class Enrollment Date
October 18	Deadline for filing Former Student Application to be eligible for Early Registration for Winter Quarter 1997
October 18	Final Date for EDD Dissertation Defense
October 26	Comprehensive Examination for M.Ed. Students
October 28	Last Day to Withdraw without Academic Penalty from Regular Day Classes
October 29	Admissions Committee Meeting for Winter Quarter 1997, 2:00 p.m.
November 2	Homecoming

November 4	Deadline to submit Corrected Final Dissertation Copy to the Office of the Dean for Graduate Studies for Final Review (By Appointment)
November 4	General Faculty Meeting, Russell Theater, 2:00 p.m. - 4: p.m.
November 4	Early Registration for Undergraduate Evening Studies classes, Winter Quarter 1997, 5:00 - 6:00 p.m.
November 4-8, 11-15, & 18 - 21	Early Registration for Winter Quarter 1997, Williams Center
November 11	For Graduate Candidates, One Copy of Completed Thesis Due in the Office of the Dean for Graduate Studies (By Appointment)
November 15	Deadline for Winter Quarter 1997 Graduate Admission Application
November 18	For Master's Candidates, Final Date for holding Comprehensive Examinations
November 22	Schedule Adjustment, Winter Quarter 1997
November 25	Deadline to Submit Final Dissertation Copy to the Office of the Dean for Graduate Studies (By Appointment)
November 26	Residence Halls Close at 6:00 p.m.
November 27-29	Thanksgiving Holiday (Wednesday through Friday)
November 27-29	Administrative Offices Will Be Closed
December 1	Residence Halls Open at 1:00 p.m.
December 1	Deadline for Winter Quarter 1997 Undergraduate Admission Application
December 2	Deadline to Submit Final Approved Dissertation to the Office of the Dean for Graduate Studies (8 copies)
December 2	Deadline to Submit Dissertation Abstract Plus One Copy of Signed Dissertation Title Page to the Office of the Dean for Graduate Studies (By Appointment)
December 2	Last Day of Classes
December 2	Final Exam for Monday Evening Classes
December 3-6	Examinations for Regular Day Classes (See Exam Schedule in Fall Quarter Schedule of Classes)
December 3	Final Exam for Tuesday Evening Classes and Tuesday/Thursday Evening Classes
December 4	Final Exam for Wednesday Evening Classes and Monday/Wednesday Evening Classes
December 5	Final Exam for Thursday Evening Classes
December 7	Residence Halls Close at 10:00 a.m. except for graduating Students
December 7	Holidays for Students begin
December 8	Graduation
December 12	Early Registration Fee Payment Deadline
December 15	Deadline for Spring Quarter 1997 International Graduate Student Application
December 23-27	Christmas Holiday (Monday through Friday)
December 23-27	Administrative Offices will be closed

WINTER QUARTER 1997

January 1	Administrative Office will be closed
January 1	Residence Halls Check-In 4:00 p.m.
January 2	Admissions Committee Meeting, 9:00 a.m.
January 2	New Student Orientation & Advisement, Russell Union. Check-in begins at 7:30 a.m. and Program begins at 8:30 a.m.
January 2	New Student Registration, Williams Center, 11:00 a.m.
January 2	Final Registration for Former Students, Williams Center, 1:00 p.m. - 6:00 p.m.
January 2	Graduate Registration in Savannah, 2:00 p.m. - 7:00 p.m.
January 3	Admissions Committee Meeting, 2:00 p.m.
January 3	Brunswick Graduate Registration, 4:00 p.m. - 6:00 p.m.
January 3	Drop/Add 8:00 a.m. - 4:00 p.m.

January 6	\$50 Late Registration Fee begins
January 6	Classes Begin
January 6	Final Date for filing Application for Graduation in Registrar's Office for Completing Degree requirements Winter Quarter 1997
January 6,7	Schedule Adjustment, Winter Quarter 1997
January 7	Admissions Committee Meeting, 2:00 p.m.
January 15	Deadline to for M.Ed Students to register to take the comprehensive Examination during Winter Quarter
January 20	Holiday - Martin Luther King, Jr. Birthday Observed
January 24	Official Class Enrollment Date
January 31	Deadline for filing Former Student Application to be eligible for Early Registration for Spring Quarter 1997
February 8	Comprehensive Examination for M.Ed. Students
February 13	Last Day to Withdraw without Academic Penalty from Regular Day Classes
February 14	Admissions Committee Meeting, Spring Quarter 1997, 2:00 p.m.
February 15	Deadline for Spring Quarter 1997 Graduate Admission Application
February 17	Early Registration for Undergraduate Evening Studies Classes, Spring Quarter 1997, 5:00 p.m. - 6:00 p.m.
February 17-21, 24-28, & March 3-6	Early Registration for Spring Quarter 1997, Williams Center
February 18	General Faculty Meeting, Russell Union Theater, 4:00 p.m. - 6:00 p.m.
February 24	For Master's Candidates, One Copy of Completed Thesis Due in the Office of the Dean for Graduate Studies (By Appointment)
February 28 - March 1	Parent's Week-End
March 1	Deadline for Spring Quarter 1997 Undergraduate Admission Application
March 3	For Master's Candidates, Final Date for Holding Comprehensive Examinations
March 7	Schedule Adjustment, Spring Quarter 1997
March 15	Deadline for Summer Quarter International Graduate Admission Application
March 17	Last Day of Classes
March 17	Final Exam for Monday Evening Classes
March 18	Final Exam for Tuesday and Tuesday/Thursday Evening Classes
March 19	Final Exam for Wednesday and Monday/Wednesday Evening Classes
March 18-21	Examinations for Regular Day Classes (See Exam Schedule in Winter Quarter Schedule of Classes)
March 20	Final Exam for Thursday Evening Classes
March 20	Early Registration Fee Payment Deadline
March 22	Spring Recess for Students Begins
March 22	Residence Halls Close at 10:00 a.m.

SPRING QUARTER 1997

March 26	Graduate Registration in Savannah, 2:00 p.m. - 7:00 p.m.
March 30	Residence Halls Open 1:00 p.m.
March 31	Spring Quarter Orientation & Advisement, Check-in at 7:30 a.m. Program begins at 8:30 a.m.
March 31	Admissions Committee Meeting, 9:00 a.m.
March 31	Final Registration for Former Students, Williams Center, 1:00 p.m. - 6:00 p.m.
March 31	New Student Registration, Williams Center, 10:00 a.m. - 1:00 p.m.
April 1	Admissions Committee Meeting, 2:00 p.m.
April 1	Drop/Add
April 1	Brunswick Graduate Registration, 4:00 p.m. - 6:00 p.m.

April 1	Deadline for M.Ed. Students to register to take the comprehensive Examination during Spring Quarter
April 2	\$50 Late Registration Fee begins
April 2	Classes Begin
April 2	Final Date for filing Application for Graduation in Registrar's Office for completing Degree requirements, June Graduation
April 2-3	Schedule Adjustment, Spring Quarter 1997
April 3	Admissions Committee Meeting, 9:00 a.m.
April 4	Former Student Application Deadline for Summer Quarter 1997
April 18	Former Student Application Deadline for Fall Quarter 1997
April 21	Evening Studies Registration, Summer Quarter 1997
April 25	Final Date for EDD Dissertation Defense
April 25	Official Class Enrollment Date
April 21-25	Early Registration, Summer Quarter 1997, Williams Center
April 28-30	Early Registration, Summer Quarter 1997, Williams Center
May 1	Schedule Adjustment, Summer Quarter 1997
May 1	Deadline for Graduate Admission Application for Summer Quarter 1997
May 9	Deadline to submit Corrected Final Dissertation Copy to the Office of the Dean for Graduate Studies for Final Review (By Appointment)
May 12-16	Early Registration, Fall Quarter 1997, Williams Center
May 19-23	Early Registration, Fall Quarter 1997, Williams Center
May 26-29	Early Registration, Fall Quarter 1997, Williams Center
May 30	Schedule Adjustment, Fall Quarter 1997
May 3	Comprehensive Examination for M.Ed. Students
May 7	Honors Day
May 9	Last Day to Withdraw without Academic Penalty
May 13	Admissions Committee Meeting for Summer and Fall Quarters, 2:00 p.m.
May 13	General Faculty Meeting, Russell Union Auditorium, 4:00 p.m. - 6:00 p.m.
May 16	Schedule Adjustment, Fall Quarter 1997
May 16	For Master's Candidates, One Copy of Completed Thesis Due in the Office of the Dean For Graduate Studies (By Appointment)
May 23	For Master's Candidates, Final Date for Holding Comprehensive Exam
May 30	Deadline to Submit Final Dissertation Copy to the Office of the Dean for Graduate Studies (By Appointment)
June 1	Undergraduate Admission Application Deadline for Summer Quarter
June 6	Deadline to Submit Final Approved Dissertation (8 Copies) to the Office of the Dean for Graduate Studies (By Appointment)
June 6	Deadline to Submit Dissertation Abstract Plus one Copy of Signed Dissertation Title Page to the Office of the Dean for Graduate Studies
June 6	Last Day of Classes
June 9	Final Exam for Monday Evening Classes
June 10	Final Exam for Tuesday and Tuesday/Thursday Evening Classes
June 11	Final Exam for Wednesday and Monday/Wednesday Evening Classes
June 12	Final Exam for Thursday Evening Classes
June 9-12	Examinations for Regular Day Classes (See Exam Schedule in Spring Quarter Schedule of Classes)
June 12	Early Registration Fee Payment Deadline, Summer Quarter 1997
June 13	Residence Halls Close 10:00 a.m.
June 14-15	Graduation

SUMMER QUARTER 1997

June 12	Brunswick Graduate Registration, 4:00 p.m. - 6:00 p.m.
June 15	Deadline for Fall Quarter International Graduate Student Admission Application
June 15	Deadline for M.Ed. Students to Register to Take the Comprehensive Examination during Summer Quarter
June 17	Savannah Graduate Registration, 2:00 p.m. - 7:00 p.m.
June 22	Residence Halls Open 1:00 p.m.
June 23	Summer Quarter Orientation & Advisement, Check-in at 7:30 a.m.
June 23	Final Registration for Former Students, 31 and 36 Day Sessions, Williams Center, 1:00 p.m. - 6:00 p.m.
June 23	New Student Registration, Williams Center, 11:00 a.m.
June 24	First Day of Classes for 31 and 36 Day Session Classes
June 24	Drop/Add
June 24	\$50 Late Registration Fee begins
June 27	Final Date for EDD Dissertation Defense
July 4	Holiday - Independence Day Observed
July 12	Comprehensive Examination for M.Ed. Students
July 16	Deadline to Submit Corrected Final Dissertation Copy to the Office of the Dean for Graduate Studies for Final Review (By Appointment)
July 16	Last Day to Withdraw without Academic Penalty - 31 Day Session
July 18	Last Day to Withdraw without Academic Penalty - 36 Day Session
July 23	For Master's Candidates, One Copy of Completed Thesis Due in the Office of the Dean For Graduate Studies (By Appointment)
July 30	For Master's Candidates, Final Date for Holding Comprehensive Exam
August 1	Admissions Committee Meeting for Fall Quarter 1997, 9:00 a.m.
August 1	Deadline for Fall Quarter Graduate Student Admission Application
August 6	Deadline to Submit Final Dissertation Copy to the Office of the Dean for Graduate Studies (By Appointment)
August 6	Last Day of Classes - 31 day session
August 7-9	Final Exams - 31 day session
August 13	Deadline to Submit Final Approved Dissertation (8 Copies) to the Office of the Dean for Graduate Studies (By Appointment)
August 13	Deadline to Submit Dissertation Abstract Plus one Copy of Signed Dissertation Title Page to the Office of the Dean for Graduate Studies
August 13	Last Day of Classes - 36 day session
August 14-16	Final Exams - 36 day session
August 17	Graduation
August 17	Residence Halls Close 10:00 a.m., except for graduating Students

INSTITUTIONAL TESTING SCHEDULE 1996-97

(Dates are subject to change)

CPE

Saturday	December 14, 1996
Saturday	March 1, 1997
Saturday	April 5, 1997
Saturday	May 31, 1997

ISAT

Tuesday	September 10, 1996
Tuesday	December 10, 1996
Tuesday	March 4, 1997
Tuesday	June 3, 1997

REGENTS

Monday/Tuesday	October 28 & 29, 1996
Monday/Tuesday	February 10 & 11, 1997
Monday/Tuesday	May 5 & 6, 1997
Tuesday	July 22, 1997

MAT

Saturday	August 3, 1996
Saturday	October 5, 1996
Saturday	December 7, 1996
Saturday	January 18, 1997
Saturday	March 8, 1997
Saturday	April 26, 1997
Saturday	May 24, 1997

LEGISLATIVE

Tuesday	November 12, 1996
Tuesday	February 18, 1997
Tuesday	May 13, 1997
Tuesday	July 8, 1997

NATIONAL TESTING SCHEDULE 1996-97

(Dates are subject to change)

TOEFL

Friday	June 6, 1997
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GMAT

Saturday	October 19, 1996
Saturday	January 18, 1997
Saturday	March 15, 1997
Saturday	June 21, 1997

SAT

Saturday	October 12, 1996
Saturday	December 7, 1996
Saturday	January 25, 1997
Saturday	March 15, 1997
Saturday	May 3, 1997
Saturday	June 7, 1997

GRE

Saturday	December 14, 1996
Saturday	April 12, 1997

ACT

Saturday	December 14, 1996
Saturday	February 1, 1997

LSAT

Saturday	September 28, 1996
Saturday	December 7, 1996

CLEP

Wednesday	November 6, 1996
Wednesday	January 15, 1997
Wednesday	February 19, 1997
Friday	May 9, 1997
Friday	July 11, 1997

PHARMACY

Saturday	October 26, 1996
Saturday	February 15, 1997

EIT

Saturday	October 26, 1996
Saturday	April 19, 1997
Saturday	November 1, 1997

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THE UNIVERSITY SYSTEM OF GEORGIA

The University System of Georgia includes all state-operated institutions of higher education in Georgia - 6 universities, 13 senior colleges, 15 two-year colleges. These 34 public institutions are located throughout the state.

A 16-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 11 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 consortiums.

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 Senior Vice Chancellors, and all presidents as voting members; and it includes other officials and staff members of the institutions as nonvoting members. The Advisory Council's 22 academic committees and 14 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.

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 Savannah 31404

29. SOUTH GEORGIA COLLEGE
 Douglas 31533

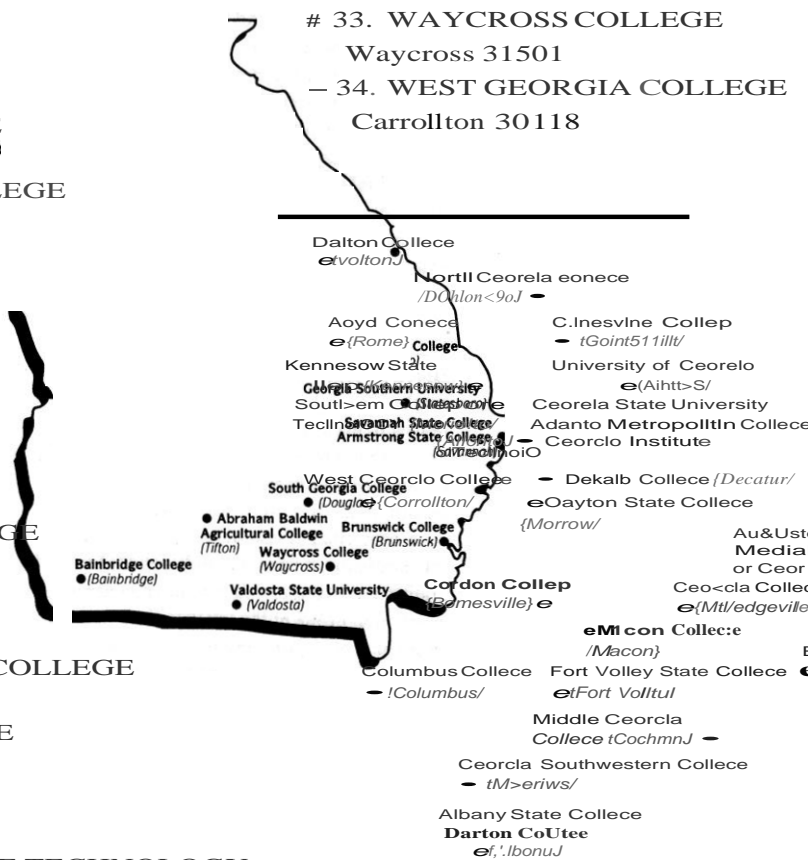
– 30. SOUTHERN COLLEGE OF
 TECHNOLOGY
 Marietta 30060

* 31. THE UNIVERSITY OF GEORGIA
 Athens 30602

* 32. VALDOSTA STATE UNIVERSITY
 Valdosta 31698

33. WAYCROSS COLLEGE
 Waycross 31501

– 34. WEST GEORGIA COLLEGE
 Carrollton 30118



N COLLEGE

30204

AW STATE COLLEGE

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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 institutions in South Georgia. 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-express-

ion; 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 eleven 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 fifty 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 (on a site called "Collegeboro"), 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, were 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. Later, the "Blue Tide" receded, and "The Professors" became the official name of Georgia Teachers College's intercollegiate teams.

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 saw their regional academic accreditation withdrawn 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 “Professors” were retired 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 Health, Physical Education, Recreation and Nursing and the School of Technology in 1980. Today, these schools have been organized as the College of Liberal Arts and Social Sciences (in 1994), Education, Graduate Studies, Business Administration, Health and Professional Studies, and the Allen E. Paulson College of Science and Technology (in 1994). 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. 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, which was the first doctorate to be offered by an institution located in South Georgia.

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

ACCREDITATION

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

ACCREDITING ORGANIZATION

<p>Counseling Center</p> <p>College of Liberal Arts and Social Sciences</p> <p> Music</p> <p> Public Administration</p> <p>College of Business Administration</p> <p> Accounting</p> <p> Undergraduate and Graduate</p> <p>College of Education</p> <p> Undergraduate and Graduate</p> <p>College of Health and Professional Studies</p> <p> Nursing</p> <p> Foods and Nutrition</p> <p> Recreation and Leisure Services</p>	<p>International Association of Counseling Services</p> <p>National Association of Schools of Music</p> <p>National Association of Schools of Public Affairs and Administration</p> <p>American Assembly of Collegiate Schools of Business</p> <p>American Assembly of Collegiate Schools of Business</p> <p>National Council for Accreditation of Teacher Education</p> <p>Georgia Professional Standards Commission</p> <p>National League for Nursing</p> <p>Georgia Board of Nursing</p> <p>American Dietetic Association</p> <p>Leisure Careers Foundation of the Georgia Recreation and Park Society</p>
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- Recreation - Undergraduate Programs National Recreation and Park Association/
American Association for Leisure & Recreation
- Kinesiology - Undergraduate and Graduate Sport Management Review Council of the
National Association for Sport and Physical Education
and the North American Society for Sport Management

Allen E. Paulson College of Science and Technology

- Chemistry American Chemical
Society Civil Engineering Technology Technology Accreditation
Commission of the Accreditation Board for Engineering and Technology
- Computer Science Computer Science Accreditation Commission
- 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
(BCC) American Council for Construction Education

ACADEMIC STRUCTURE

The academic credit programs of the university are administered by six colleges. They are the College of Liberal Arts and Social Sciences, the College of Business Administration, the College of Education, the College of Health and Professional Studies, the Allen E. Paulson College of Science and Technology, and the College of Graduate Studies. 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 Liberal Arts and Social Sciences

Dr. Roosevelt Newson, dean

Department of Art

Mr. Richard Tichich, chair

Department of Communication Arts

Dr. Hal Fulmer, acting chair

Department of English and Philosophy

Dr. James Nichols, chair

Department of Foreign Languages

Dr. David Seaman, chair

Department of History

Dr. Jerry Steffen, chair

Department of Music

Dr. Raymond Marchionni, chair

Department of Political Science

Dr. John Daily, acting chair

Department of Psychology

Dr. Richard Rogers, chair

Department of Sociology and Anthropology

Dr. Roger Branch, chair

II. College of Business Administration

Dr. Carl Gooding, dean

Department of Accounting

Dr. J. Ralph Byington, chair

Department of Finance and Economics

Dr. William Whitaker, chair

Department of Management

Dr. Thomas Case, acting chair

Department of Marketing

Dr. Mary F. Smith, chair

III. College of Education

Dr. Ann Converse Shelly, dean

Department of Early Childhood and Reading

Dr. Beverly Stratton, chair

Department of Educational Foundations and Curriculum

Dr. Jane Page, chair

Department of Educational Leadership, Technology, and Research

Dr. Ronald Davison, chair

Department of Middle Grades and Secondary Education

Dr. Fred M. Page, acting chair

Department of Student Development Programs

Dr. Robert A. Martin, acting chair

Marvin Pittman Laboratory School

Mr. Johnny Tremble, principal

IV. College of Health and Professional Studies

Dr. Frederick Whitt, dean

Department of Family and Consumer Sciences

Dr. John Beasley, chair

Department of Health Science

Dr. Frank Radovich, acting chair

Department of Nursing

Dr. Kaye Herth, chair

Department of Recreation and Leisure Services

Dr. Henry Eisenhart, chair

Department of Kinesiology

Dr. Charles Hardy, chair

Rural Health and Research

Dr. Charlene Hanson, director

V. Allen E. Paulson College of Science and Technology

Dr. Jimmy Solomon, dean

Department of Biology

Dr. John Averett, chair

Department of Chemistry

Dr. Bill Ponder, chair

Department of Engineering Technology

Dr. Roland Hanson, acting chair

Department of Geology and Geography

Dr. Fredrick Rich, chair

Department of Industrial Technology

Dr. Keith Hickman, chair

Department of Mathematics and Computer Science

Dr. Arthur Sparks, chair

Department of Military Science

Lt. Col. Steven Wells

Department of Physics

Dr. Arthur Woodrum, chair

Engineering Studies

Dr. Gerald Jones, director

VI. College of Graduate Studies

Dr. G. Lane Van Tassell, dean

UNDERGRADUATE DEGREES

INTERDISCIPLINARY

Bachelor of General Studies

COLLEGE OF LIBERAL ARTS AND SOCIAL SCIENCES

Bachelor of Arts with majors in:

Anthropology

Art

Communication Arts

Economics: Emphasis in
International Economics**

English

French

German

History

Music

Philosophy

Political Science

Psychology

Sociology

Spanish

Theatre

Bachelor of Fine Arts with a major in Art

Bachelor of Music with majors in:

Composition

Music Education

Performance: *Optional areas of Study include*

Jazz Performance**

(Instrumental and Keyboard only)

Elective Studies in Business**

Bachelor of Science with majors in:

Communication Arts

Emphases in:

Broadcasting**

Public Relations**

Journalism

Political Science

Psychology

Sociology

Sociology: Emphasis in

Social Work

Bachelor of Science in Justice Studies

COLLEGE OF BUSINESS

ADMINISTRATION

Bachelor of Business Administration with majors in:

Accounting: Emphases in

Public Accounting**

Managerial Accounting**

Economics

Economics: Emphases in

Agribusiness**

International Business**

Finance

Finance: Emphases in

Banking**

Risk Management and Insurance**

** *Emphasis is available but is not required*

Real Estate**
 General Business
 Information Systems
 Logistics and Intermodal Transportation
 Management
 Management: Emphases in
 Entrepreneurship Small Business
 Management**
 Human Resources Management**
 Production/Operations Management**
 Marketing
 Emphases in: Advertising**
 Fashion Merchandising**
 Retailing Management**
 Sales and Sales Management**

COLLEGE OF EDUCATION

Bachelor of Science in Education with majors
 in:

Art
 Early Childhood Education
 Health and Physical Education
 Middle Grades Education
 Secondary Education
 Teaching Fields:

Business Education
 English
 French
 German
 Home Economics
 Technology Education
 Mathematics
 Science
 Social Science
 Spanish

Special Education for Exceptional Children
 (Mental Retardation)

Trade and Industrial Education

COLLEGE OF HEALTH AND PROFESSIONAL STUDIES

Bachelor of Science in Health Science with
 majors in:

Sports Medicine
 Health Promotion
 Community Health Education
 Sport Management Emphases in:
 Sport Administration**
 Sport Promotion**
 Sport Communication**

**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 Admin.

Bachelor of Science in Medical Technology

Bachelor of Science in Nursing

Bachelor of Science in Recreation with
 Emphases in:

Resort and Commercial Recreation**
 Natural and Cultural Resource Mgt.**
 Recreation Administration**
 Therapeutic Recreation**
 Travel and Tourism Management**

ALLEN E. PAULSON COLLEGE OF SCIENCE AND TECHNOLOGY

Bachelor of Arts with majors in:

Biology
 Chemistry
 Geology
 Mathematics
 Physics

Bachelor of Science with majors in:

Biology
 Chemistry: Optional emphasis in
 Biochemistry
 Computer Science
 Geology
 Mathematics
 Physics

Bachelor of Science in Biology

Emphasis in Biological Oceanography**

Bachelor of Science in Chemistry

Emphasis in Biochemistry

Bachelor of Science in Construction

Building Construction and Contracting

Bachelor of Science in Manufacturing

Apparel Manufacturing
 Industrial Management

Bachelor of Science in Mathematics

Emphasis in Computer Science**

* *Emphasis required*

** *Emphasis is available but is not required*

Bachelor of Science in Printing Management
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

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 minor.

ANTHROPOLOGY

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

APPAREL MANUFACTURING

This minor is offered through the Department of Industrial technology. Prerequisite: MFG 150—The Manufacturing Enterprise
 Minor Program: 20 hours from the following:
 ADM 430—Apparel Trade and Regulation
 ADM 452—Advanced Apparel Production
 ADM 454—Quality Control/Testing
 ADM 495—Special Problems in Apparel Manufacturing
 ADM 499—Internship
 AD 350—Principles of Textile/Apparel Design
 AD 462—Computer Aided Apparel Design I or
 FM 364—Textiles

ART

Prerequisites: 151 (Drawing), or 152 (Design), or 252 (Three-Dimensional Design), or permission of the department chair. 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, ECO353, FIN 351, MGT 354 and BA 351. Students interested in the Business Minor should consult a College of Business Administration 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 nonprofit 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.

INDUSTRIAL SAFETY AND ENVIRONMENTAL COMPLIANCE

This minor is offered through the Department of Industrial Technology. Prerequisite: IM 351—Introduction to Industrial Management
Minor Program: 20 from the following:
IM 550—Ergonomics
IM 552—Industrial Hygiene
IM 553—Hazardous Waste Management
IM 554—Human Resource Protection
IM 556—System Safety in Manufacturing

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 260. 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.

FOODS & 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 of approved upper-division philosophy courses.

PHYSICS

Minor Program: 20 hours in physics from upperdivision 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

This minor is offered through the Department of Industrial Technology. Prerequisite: PM 250—Graphic Arts Technology I
Minor Program: 20 Hours from the following:
PM 336—Desktop Publishing
PM 365—Image Preparation
PM 399—Selective Topics in Printing,
PM 453—Color Reproduction or
PM 456—Imaging Science
PM 332—Printing Inks and Substrates
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.

THEATRE

Prerequisites: CAT 251, CAT 255, or CAT 257. Minor Program: 20 hours of upper division theatre courses (with CAT prefix).

WRITING

Minor Program: 20 hours of upper-division courses, distributed as follows: Minimum of 15 hours in writing selected from ENG 364, 430, 453, 465, 466 and one additional course in English at the 400 or 500 level.

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, the student 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,
Saba Jallow (Acting), Political Science
- 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. Nancy Shumaker,
Foreign Languages
- Linguistics - Dr. Fred Richter,
English and Philosophy
- Religious Studies - Dr. George Shriver,
History
- Women's and Gender Studies - Dr. C. Schille,
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—Selected Topics
- ENG/AAS 363—African American Literature
- ENG/AAS 399—Selected Topics
- ENG/AAS 568—Images in African American Literature
- HIS/AS/AAS 352—African American History to 1877
- HIS/AAS 353—African American History Since 1877
- HIS/LAS/AAS 373—Mexico and the Caribbean
- HIS/AAS 385—History of Sub-Saharan Africa I
- HIS/AAS 386—History of Sub-Saharan Africa II

- HIS/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

Requirements for this concentration include American Studies 355, American Studies 450, and three elective courses (in disciplines other than the major) selected from the courselist 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
 IS/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

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.

CONTINUING EDUCATION AND PUBLIC SERVICES

The Division of Continuing Education and Public Services operating as The Southern Center for Continuing Education (Southern Center) fulfills Georgia Southern's service mission to the community through a variety of programs designed to meet a vast array of needs and interests, including:

- Professional development for business, industry, health care, education, human services, public services, and other professions requiring continuing education
- Hobby, cultural, recreational, and general interest pursuits of adults and children
- Consulting, technical assistance, and research for improving quality of life and for economic development
- Meeting and conference planning services for professional associations, non-profit organizations, and other groups

These needs and interests are met via short courses, seminars, lectures, conferences, contract in-house-training and development programs, technical assistance, and consulting and advisory services.

CONTINUING EDUCATION UNITS

Participants in designated Southern Center programs earn continuing education units (CEUs), the standardized national measure of participation in professional education and training and development programs. One CEU represents 10 contact hours of participation in an organized program where there is evidence of qualified instruction, capable direction, and responsible sponsorship. Permanent records of CEUs earned by participants are maintained by the university registrar. All Southern Center programs and activities are offered in accordance with the programmatic and fiscal requirements of the Commission on Colleges, Southern

Association of Colleges and Schools, and the University of System Georgia.

Phone: (912) 681-5118

Fax: (912) 681-0306

E-mail: gwaters@gsaix2.cc.gasou.edu

PUBLIC SERVICE INSTITUTE

The Southern Center encompasses the university's Public Service Institute, established by approval of the University System of Georgia Board of Regents for the purpose of cooperating with businesses, government institutions, and government agencies to address the needs and problems of southeast Georgia.

INTENSIVE ENGLISH PROGRAM

Georgia Southern's Intensive English Program is a non-credit English as a second language program offered through the Southern Center. It is designed for students who have some English background but do not meet university English proficiency requirements. The program includes five hours a day of classroom study as well as study and preparation outside of class. Program participants must be financially self-supporting. Please direct inquiries to:

Intensive English Program

Southern Center for Continuing Education

Georgia Southern University

Landrum Box 8124

Statesboro, Georgia 30460-8124

CONFERENCE CENTER

The Southern Center boasts a 28,000 square foot conference center scheduled for expansion in 1996. The facility offers more than 11,000 square feet of meeting space including a 412-seat auditorium and a 15-station computer training center.

SERVICES

Southern Center program specialists are available to assist with program development tasks including needs assessment, program planning, program administration and coordination, fiscal management, marketing, and program evaluation. A full range of meeting planning and conference services is available, as well as in-house (contract) training programs for businesses, industries, institutions, and agencies.

Please direct inquiries to:

Gene Waters, Ph.D. Director,

Southern Center for Continuing Education

Georgia Southern University

Landrum Box 8124

Statesboro, Georgia 30460-8124

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 transmission of microbes by arthropods, and development, physiology, genetics, cytogenetics, reproductive biology, population biology and bionomics of selected arthropods, nematodes, trematodes, and cestodes of regional and international importance. Laboratory and field research is conducted by Institute members.

Current members of the Institute are as follows:

Dr. Sara N. Bennett

Dr. Gale A. Bishop

Dr. Jonathan Copeland

Dr. 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. Hugh Lefcort

Dr. Kishwar M. Maur

Dr. Sturgis McKeever

Dr. Denson K. McLain

Dr. Thomas McMullen

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. Wanyu Zhang
 Dr. Xiang X. Zhu

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 1995, the Henderson Library's collections contained 474,931 cataloged volumes of books and bound periodicals; 779,037 microform units; and 583,002 government documents. The Library also maintains current subscriptions to 3,484 serial and periodical titles. Over 8 million additional book titles and approximately 20,000 additional periodical titles are available via rapid document delivery services from other libraries within the University System of Georgia. In addition to the extensive collections in paper and microformats, the Library has access to a large set of information materials in on-line electronic format via GALILEO, Georgia's new statewide library system. GALILEO-based resources include full-text copies of articles from thousands of academic periodicals and newspapers. These electronic resources are available from a networked cluster of 250 microcomputers within the Library and from other networked computers in many locations on the campus.

The Library has installed an automated information system which links the catalog, periodical indexes, and circulation functions into one integrated system. The Library's catalog is available on-line through the Internet, and is also part of a union catalog for the University System of Georgia. Computer terminals that 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. With a few exceptions, all of the Library's automated resources, including the

full-text electronic databases, are available for use from remote networked or dial-up locations. Within the state of Georgia, toll-free dial-up connections to the Library's information systems are possible from over 20 cities. The Library maintains a homepage on the Internet at the following address: (<http://www.lib.gasou.edu>).

The Library's Computing Laboratory is heavily used campus-wide, and remains open 24 hours a day on weekdays during the academic quarter. Equipment in the Computing Laboratory includes 100 networked IBM-compatible microcomputers and 50 networked Macintosh microcomputers. Most of these microcomputers are connected via a local area network to PeachNet, the statewide academic network of the University System of Georgia. From PeachNet, these computers can access the worldwide resources of the Internet. Networked computer software is available in many subject areas. Student assistants are available to help users with word processing, data base management and spreadsheet applications. With the exception of laser printing, all services in the Computing Laboratory are available to students at no charge.

The Library maintains cooperative relationships with other regional libraries, and offers interlibrary loan and document delivery services to obtain those items which are not available locally. Both the Interlibrary loan and the document delivery services can be accessed from remote locations through network or dial-up connections. No fees are charged for these services.

The library is open 148 hours each week during the academic quarters and on a somewhat more limited basis during intersession and holiday periods. During the academic quarters, the Library operates 24 hours a day, Sunday noon through Friday midnight, and from 8:00 a.m. to 12 midnight on Saturdays.

ADVISEMENT

Georgia Southern makes every effort to provide students with quality academic advising. Students must ultimately be responsible for their own choices, their own program selection and their own deadlines, but the university 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. Both the College of Business Administration and the College of Education have established advisement centers. Individual departments assume advisement responsibility for College of Liberal Arts and Social Sciences, Allen E. Paulson College of Science and Technology, and College of Health and Professional Studies. 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, fund raising and alumni services, publications and photography. The division works through the media, the Georgia Southern University Foundation, Inc., alumni chapters and other means to build private and public support for the University.

The Public Relations Office communicates the activities and achievements of the University and its students, faculty and staff through a news service, periodicals and information services.

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 Office coordinates the activities of the Alumni Association which provides leadership, service, and information about the University to its 45,000 alumni, maintaining ties while building their support for the University.

To present a unified image of the institution, the Publications Office oversees the production of all University publications including bro-

chures, catalogs and other printed materials.

Photographic Services provides visual coverage of the campus for use in the news and sports media, campus publications, slide and video productions.

INTERCOLLEGIATE ATHLETICS

Over the last decade, Georgia Southern University has become known for one of the most successful broad-based athletics programs in the United States. Across-the-board commitment to excellence has resulted in four football national championships and NCAA Tournament participation in men's and women's basketball, baseball and golf.

Accenting its reputation for athletic excellence, GSU joined the prestigious Southern Conference in 1992 and has claimed seven league titles.

GSU football is regarded as one of the top programs in the nation. After winning the NCAA Division I-AA national championship in 1985, 1986, and 1989 under the direction of Erk Russell, current coach Tim Stowers guided GSU to its fourth national title in six years. Since football was revived in 1982, the Eagles stand 134-45-1. The 1995 campaign marked the eighth time GSU advanced to the Division I-AA playoffs.

Making its Southern Conference debut in 1992-93, the men's basketball team posted a 19-9 regular-season record while advancing to the semifinals of the league tournament. Prior to that year, the Eagles claimed three Trans America Athletic Conference titles and appeared in either the NCAA or National Invitational Tournament five times. The 1995-96 season marks a new era of Eagle basketball under the guidance of head coach Gregg Polinsky.

With legendary coach Jack Stallings at the helm, the Georgia Southern baseball program continues to thrive. GSU has participated in seven NCAA Regional Tournaments and two College World Series. The Eagles won the NCAA Midwest Regional Tournament and advanced to the College World Series in Omaha, Neb., six years ago. With over 1,100 victories, Stallings is the third-winningest active coach in collegiate baseball. The Eagles have suffered just one losing campaign in the last 24 years.

In 1994, head coach Drema Greer guided the women's basketball program to its sixth 20-plus win season in ten years. The Lady Eagles

claimed a second straight Southern Conference tournament title after winning the regular-season championship. In addition, GSU made its second trip to the NCAA Tournament. Greer was named Division I coach-of-the-year by the Georgia Sports Hall of Fame and the Atlanta Journal-Constitution.

Success is enjoyed by GSU's Olympic sports as well. Women's swimming and diving has created a dynasty of domination, winning each of the past seven Southern States Championships and boasting the highest winning percentage of any athletic squad on campus. After watching the men's tennis team claim the 1994 Southern Conference title, the 1995 Lady Eagles went undefeated in the regular season and coasted to their first Southern Conference Tournament Championship.

Eagle golf has met its share of success in recent years. PGA stars Jodie Mudd, Gene Sauers and Mike Donald helped establish the program. Georgia Southern hosted the 1990 NCAA East Regional and the 1995 Southern Conference Championships at Statesboro's Forest Heights Country Club.

Georgia Southern also vies for Southern Conference championships in men's and women's soccer, men's and women's cross country and softball. The men's swimming and diving squad joins the women's team in competing for the Southern States title.

Eagle athletics breeds individual recognition as well. In 1995, football players Rob Stockton and Edward Thomas were named to the GTE Academic All-American team, while soccer star Greg Gundrum picked up Scholar-Athlete All-America honors. GSU softball and soccer standout Debbie Hensley was named the 1995 College Female Athlete of the Year by the Georgia Sports Hall of Fame.

GSU's athletic facilities are among the finest in the nation. The campus features an 18,000-seat football stadium, two gymnasiums, 15 lighted tennis courts, three softball fields, an eight-lane natatorium and a 2,000-seat baseball complex. Newly renovated Hanner Fieldhouse houses the coaches' offices, training room and a 4,400-seat basketball arena.

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.

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 Hampton Hall on Knight Drive at 871-1566, Landrum Box 8037, TDD # 681-0666.

REGENTS CENTER FOR LEARNING DISORDERS AT GEORGIA SOUTHERN

The Regents Center for Learning Disorders at Georgia Southern is one of three centers in Georgia established by the Board of Regents to provide standardized assessment, resources and research related to students within the University System suspected of having learning disorders. Each center serves designated colleges and universities within a geographic region, and follows criteria established by the Board of Regents for identifying students with suspected specific learning disabilities or Attention Deficit/Hyperactivity Disorder (ADHD). The Regents Center professional staff members will review documentation for specific learning disabilities, ADHD, or Acquired Brain Impairment supplied by a student or, will provide a new evaluation. Any student interested in having an evaluation **must** contact the Disabilities Service Provider or Coordinator on their own campus for information concerning the availability of this service. The Disabilities Service Provider or Coordinator will also make available the criteria for identifying specific learning disabilities or ADHD or for accepting outside evaluations (assessment completed by an agent other than one of the three centers).

ADMISSIONS AND FINANCIAL AID

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ADMISSIONS

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 college 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, L.B. 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

The Board of Regents of the University System of Georgia requires proof of immunization against measles, mumps, and rubella before students are allowed to register for and attend classes at Georgia Southern University. Health Services administers this policy and will help students with appropriate forms and information.

Adequate immunization requires at least one (1) mumps shot, one (1) rubella shot, and two (2) measles shots administered after the student's first birthday. For students born before January 1, 1957, proof of immunization against rubella is the only requirement.

The following three (3) groups of students may be exempt from the immunization policy: (1) those who were previously enrolled at Georgia Southern University, (2) those with religious objections, and (3) those with bona fide medical reasons certified by a physician. The latter two groups would be restricted from all campus premises in case of an outbreak of measles, mumps, or rubella at Georgia Southern University.

Forms and additional information may be obtained at Health Services, Admissions Department, and the College of Graduate Studies.

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 Other Academic Units (*Please see College Preparatory Curriculum which follows.*)

3. Submission of satisfactory scores on the College Entrance Examination Board Scholastic Aptitude Test (SAT) or American College Test (ACT)
4. U.S. Citizens or Resident Aliens for whom English is not the native language must take the Michigan test upon arrival.
5. Submission of an official high school transcript directly from the high school to the University. 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 an official high school transcript. The transcript should include a satisfactory grade point average and satisfactory SAT or ACT 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 the Admissions Office for current admission requirements.*

***GED recipients are not eligible for admission before their high school class has graduated. Please note: Students applying to the GSU nursing program must meet general admissions requirements and also meet specific nursing program requirements. An additional application to the nursing program is required. Admission to GSU does not guarantee acceptance into the nursing program.*

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 in which they are deficient. 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 Learning Support English and/or reading or (2) be placed in Learning Support 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 Learning Support mathematics or (2) be placed in Learning Support mathematics at the appropriate level.

The following provisions apply to the science, social science, and foreign language courses requirements. They represent coursework beyond the requirements for the program in which the student is enrolled. The student receives credit for the courses, but the credit does not count toward a degree.

- (1) The student must earn a "C" or better in each of these courses.
- (2) Entering freshmen must enroll in courses to satisfy these deficiencies as soon as Georgia Southern becomes aware of the deficiencies.
- (3) 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 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 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 150 - Intro to Psychology
- SOC 150 - Intro to Sociology

Science - One of the following courses will satisfy the CPC deficiency:

- BIO 151 - Principles of Biology I
- BIO 161 - General Biology I
- CHE 171 - Intro to General Chemistry
- CHE 181 - Intro to Organic Chemistry
- GLY 151 - General Physical Geology
- PHS 151 - Principles of the Physical Universe
- PHS 161 - Planetary Astronomy
- PHY 251 - General College Physics
(Requires Trigonometry)

Engineering and Mathematics Students -
(Requires 2nd course in Calculus)

- PHS 151 - Principles of the Physical Universe
(Not for students in Learning Support Math)

All students are required to complete a 10-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:

- ARA 152 - Elementary Arabic II
- FRE 152 - Elementary French II
- FUL 152 - Elementary Fulani II
- GER 152 - Elementary German II
- JAP 152 - Elementary Japanese II
- KOR 152 - Elementary Korean II
- LAT 152 - Elementary Latin II
- RUS 152 - Elementary Russian II
- SPA 152 - Elementary Spanish II
- YOR 152 - Elementary Yoruba 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 Learning Support.

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 Learning Support at that institution and complete 30 hours beyond Learning Support with a 2.0 grade-point average.

LEARNING SUPPORT

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 Learning Support 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. 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, students will be enrolled in a portion or in all of the Learning Support curriculum.

Learning Support 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 Learning Support courses. The student's first obligation, however, is to satisfy Learning Support requirements, and a student may not accumulate more than thirty (30) hours of degree-credit courses before completing Learning Support requirements.

Students' progress will be assessed periodically, and they may move out of Learning Support courses at the end of any quarter provided satisfactory levels of proficiency have been reached. Students must establish proficiency in Learning Support 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 Learning Support students will receive the same consideration and awards as any other student.

Students who are not required to enroll in a Learning Support course may enroll for institutional credit, in which case they will be limited to a total of 18 hours. They will be expected to participate in the course and take the tests, but they will not be subject to the Learning Support exit requirements.

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

A Learning Support student who is placed on final exclusion for failure to exit Learning Support may apply for readmission as a transfer student after satisfying Learning Support requirements and completing thirty hours of college-level work with a minimum grade point average. For more details, see Learning Support Dismissal.

POST-SECONDARY OPTIONS PROGRAM

A student classified as a high school junior or senior may apply for the privilege of enrolling for college credit while attending high school. To be admitted, the student must satisfy the following:

- A. Have an academic grade-point average of at least a 3.0; (80 on numeric scale);
- B. Submit SAT scores of at least 1010 (recentered) or 900 (original scale);
- C. Submit recommendation from the student's counselor or principal;
- D. Excel in the field in which the student is seeking to enroll;
- E. Have written consent of parent or guardian (if the student is a minor);
- F. Must be on track to complete College Preparatory Curriculum requirements. Dual credit (for high school and GSU) for CPC is only allowed in the final unit of English and social science if student has a minimum 530 verbal recentered SAT (450 verbal original scale SAT score) score or equivalent ACT score;

G. Meet all other regular admissions requirements.

Under the Post-Secondary Options Program, public high school students in the state of Georgia will be eligible for tuition waiver as long as the student plans to complete graduation requirements for the high school. Questions regarding this program should be directed to the student's high school counselor or Guidance Office.

Students should confer with their high school counselor to determine which courses are necessary for satisfying high school graduation requirements. Placement in these courses cannot be guaranteed.

Private high school students may still be joint-enrolled with GSU by meeting the same admissions requirements noted above. These students are not eligible for the tuition assistance available with the Post-Secondary Option Program.

Georgia public high school students planning to graduate from high school may be eligible for tuition grants from the State of Georgia.

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 official transcript to the Director of Admissions.
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 GPA (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 be eligible to return to their previous institution.

**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/learning support courses at another college, you will not be eligible for admission until you have successfully completed the remedial learning support 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.

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 applying to the Nursing program must submit an additional application to the Nursing program and must meet additional admissions requirements.

**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 Dantes 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 received their undergraduate degree. If the 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 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, apprecia-

tion, and tolerance of others be accomplished.

In addition to meeting the general admission requirements, a prospective international student must:

1. Present evidence of better than average grades in previous academic work. Georgia Southern does not require the Scholastic Aptitude Test (SAT) from students whose first language is not English. Admission decisions are made on the basis of previous academic work. It is necessary that students present academic records which are above average when applying for admission.
2. Since Georgia Southern University offers a full range of English As A Second Language (ESL) instruction, the Test Of English As A Second Language (TOEFL) is not required for admission. ALL students whose first language is not English, regardless of previous language instruction, are tested when they first arrive on campus. If proficiency does not meet Georgia Southern standards, they are placed in an appropriate ESL course. ESL must be taken the first quarter of enrollment and every quarter thereafter until adequate proficiency is attained. **Students who do not complete the English courses and attain proficiency in a reasonable period of time will be ineligible to continue enrollment at the University.**
3. Submit original or official copies of certificates, degrees or diplomas awarded, including grade reports. If desired, originals will be copied for Georgia Southern's file and the original returned to the student.
4. Provide evidence of ability to meet financial requirements during the term of their enrollment.
5. If the student is in the United States or has a U.S. visa, a copy of the visa, the I-94 and passport information must be submitted at the time of application.

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 are required to purchase a Health Insurance Plan made available through the University. Substitutions are not permitted or acceptable, except in exceptional situations.

The current cost for students is \$42.00 per month and is subject to change. Insurance for families is available at a significantly higher cost.

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 12 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 Learning Support 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 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 Learning Support requirements.

2. Applicants must submit a high school transcript with an academic grade point average of a 2.00, (75 on numeric scale) or have successfully completed the General Education Development (GED).

READMISSION POLICY

A former Georgia Southern University undergraduate student who has been out of school one quarter or more (excluding summer quarter) and who desires to be readmitted must meet the following criteria for readmission:

1. Submit a Former Student Application to the Office of the Registrar at least 20 days prior to the published date of registration. Former Student Applications may be obtained from the Office of the Registrar.
2. If a student attended any other institutions while not attending GSU, an official transcript from those other institutions must be submitted to the GSU Registrar's Office.
3. Student must be eligible to return to Georgia Southern University.
4. Student must be eligible to return to the most recently attended institution.

Students who do not meet the criteria stated in items 3 and 4 above, must appeal to the Admission Committee to be considered for readmission. Readmission appeal forms may be obtained from the Office of the Registrar. Former graduate students should contact the Graduate College Admissions Office for procedures concerning readmission.

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 percent of the funds for quality education in this state. 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.

If a person has moved to the state of Georgia for the purpose of attending a Georgia educational institution, it is difficult for that person to prove his/her intent to have become a legal resident of the state.

The American Heritage Dictionary of the English Language defines intent in the following manner:

- n. 1. That which is intended; aim; purpose. Due to the rigid requirement that a person prove his/her intent to have become a legal resident of the state of Georgia, his/her petition may not be approved. The burden of proof is always on the student, and documentation is absolutely necessary to prove any claims made. If his/her petition for legal residency for tuition purpose is denied, the student may always appeal the decision at the next level.

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 Regent's regulations.*

B. Notification of Change in Circumstances-

A student who is classified as an in-state student must notify the proper administrative officials of the institution immediately of any change in his/her residency status, or of 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 reports, 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 12 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, and 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. However, 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 a spouse who has been a legal resident of Georgia for at least 12 consecutive months immediately preceding the date of registration provided 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 pre-

ceding 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 operated 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 Ap-

peals 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. The student and the examiner will determine the date and time when the examination will be administered.
4. If the petition is approved, the student must pay a test fee of \$15 per test to the Cashier's Office. A receipt will be issued which will allow the student to take the class.
5. Credit will not be awarded for prerequisite courses after higher level courses have been attempted nor will credit be awarded for courses in which credit has already been earned.
6. Credit obtained by proficiency examination will be considered resident credit.
7. The proficiency exam score must be at least a "C" to award credit by exam. The registrar will enter a grade of "K" on student's permanent

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

record showing credit was earned by proficiency examination.

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 must be 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 percent 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.

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. 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. 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) form provided by the U.S. Department of Education to measure a student's financial need eligibility.

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

Contact the Department of Financial Aid at (912) 681-5413 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. The fax number is (912) 681-0573.

Mailung address:

Department of Financial Aid

L.B. 8065

Georgia Southern University

Statesboro, Georgia 30460-8065

Six forms of financial aid are 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**—Two employment programs are available to students:
 - 1) **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 Student Employment office, located in Anderson Hall also 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.
 - 2) **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. **Grants**—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 at (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 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 H questions 92-102.
3. 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.
4. Enrolled students should re-apply for aid by April 15th of each year.
5. If you have previously attended another post-secondary school, you must submit a Financial Aid Transcript from each school attended even if you did not receive Financial Aid from that institution.
6. All students must have completed the Board of Regents' Immunization policy.

April 15th is a preferred filing date for financial aid. 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:

Financial Aid Department
L.B. 8065
Georgia Southern University
Statesboro, Georgia 30460-8065

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 15 hours per week. To be eligible for appointment as a graduate assistant, the applicant must be regularly admitted to the College of Graduate Studies. Schedules of stipends for graduate assistants may be obtained through the College of Graduate Studies, L. B. 8113, Georgia Southern University, Statesboro, GA, (912) 681-5384.

EMPLOYMENT PROGRAMS

The University offers two student employment programs. For more information on these programs, students should contact the Part-Time Student Employment Office, L.B. 8065, (912) 681-0061.

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 financial need and the amount of funds available. The standard award allows the student to work two hours a day during the 10-week quarter. **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's 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, L.B. 8008, Statesboro, GA 30460-8008, (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.

Applicants must meet the five basic eligibility requirements for state grant programs.

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

Applications should be filed by August, or at least 30 days prior to the beginning of any subsequent school term. For information contact the Georgia Student Finance Authority, 2082 East Exchange Place, Suite 200, Tucker, GA 30084, (404) 414-3084.

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 undergraduate 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 \$2,340 a year (but may 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.

Drug 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 made by August 1 each year. Contact the College of Graduate Studies, L.B. 8008, (912) 681-0578.

STUDENT INCENTIVE GRANT

The Student Incentive Grant (SIG) is a federal and state grant program for Georgia citizens enrolled in approved colleges, vocational-techni-

cal 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.
- 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 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

Federal Perkins Loan Program

The Federal Perkins Loan Program is a low-interest (5 percent) government loan for undergraduate students with exceptional financial need. This program is administered by the Department of Financial Aid at Georgia Southern University. Student eligibility is based upon a predetermined awarding formula using available funds.

Maximum Loan Amounts

You may be awarded up to \$3,000 for each year of undergraduate study. The total amount you can borrow as an undergraduate is \$15,000. However, the standard Perkins Loan awarded at Georgia Southern University is \$300 per quarter, or \$900 per academic year.

Repayment Obligation

Repayment begins nine 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 five percent simple interest on the unpaid balance of the loan principal. The minimum monthly payment is \$40.

Application Procedure

- Complete the FAFSA.
- Statement of Rights and Responsibilities Under the Federal 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 Federal Perkins Loan Collections Office, Georgia Southern

University, Landrum Box 8119, Statesboro, GA 30460, (912) 681-5974:

- (a) If you withdraw 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- 5974.
 3. Your first monthly payment will be due 9 months from the time you cease to be 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 for 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. If you cannot make a payment on time, you must contact Georgia Southern

University Federal Perkins Loan Office at (912) 681-5974.

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 Direct Lending Program

Georgia Southern University participates in the Federal Direct Lending Program. We will lend funds from the Department of Education "directly" to students through the Federal Direct Stafford Loan Program and to the parents through the Federal Direct PLUS (Parent Loan Undergraduate for Students) Program.

The University is responsible for providing, collecting, and forwarding a signed promissory note to a contracted loan servicer. When loans are due, borrowers will repay them directly to the federal government through the loan servicer.

Federal Direct Stafford Loan

The Federal Direct Student Loan Program provides low-interest, long-term loans through the University. Funding for these loans comes from the Department of Education. These loans can be subsidized or unsubsidized. Eligible students must be admitted and enrolled in good standing at least half-time in a program leading to a degree or certificate. If you drop below half-time status during a quarter, the remainder of your loan may be canceled.

Before you may pick up a Federal Direct Student Loan check, you must attend an entrance loan counseling session. You need only attend one session at Georgia Southern University. Even if you have attended a loan counseling session at another institution, you are required by law to attend one at Georgia Southern. Sessions will be held the first 5 days of each academic quarter. First-time borrowers will have their loan checks held until 30 days after the beginning of their first quarter of enrollment in accordance with federal regulations.

The amount you may borrow is determined by federal guidelines. The federal maximum that you are allowed to borrow follows:

For those who have not completed their first year - \$2,625 yearly.

Once sophomore classification is obtained, the student may borrow \$3,500 yearly.

Students who are classified as juniors or seniors may borrow \$5,500 yearly.

Graduate and professional school - \$8,500 yearly.

Repayment normally begins six months following graduation or when you cease to be at least a half-time student. Payments and the length of the repayment period depend on the size of your debt, but must be a minimum of \$600 per year.

Under special circumstances, repayment of a Federal Direct Stafford Loan that is not in default may be deferred or canceled. Repayment, deferment, and cancellation are handled by a federal loan servicer.

If you are eligible for a Federal Direct Stafford Loan, you will be awarded one (either subsidized or unsubsidized or a combination of both) as part of your financial aid package. Please read the following paragraphs to learn the differences between the subsidized and unsubsidized Federal Direct Stafford Loans. If you decide to borrow a Federal Direct Stafford Loan, you are required to sign a promissory note which the university will forward to a federal loan servicer.

Subsidized Federal Stafford Loan

The amount of subsidized Federal Direct Stafford Loan you may borrow is the difference between the cost of education (your budget) and your resources (family contribution, financial aid such as Federal Perkins Loan, College Work Study, and any other assistance you receive from the school, and outside resources including scholarships). However, you cannot borrow more than the federal maximum for your grade level.

If you are eligible for a subsidized Federal Direct Stafford Loan, the government will pay the interest for you until repayment begins. You will be assessed a 3 percent loan origination fee and a 1 percent insurance premium. These amounts are deducted from the loan proceeds but will not reduce the principal balance you are required to repay.

Unsubsidized Federal Direct Stafford Loan

The unsubsidized Federal Direct Stafford

Loan can replace all or part of the family contribution. However, the amount of the loan cannot be more than the difference between the cost of education and any financial assistance you will receive from the school and any outside source (including the subsidized Federal Direct Stafford Loan). If you are a dependent student, your total Federal Direct Stafford Loan (subsidized, unsubsidized, or a combination of both) cannot exceed the federal maximum according to your classification.

Interest accrues on the unsubsidized Federal Direct Stafford Loan while you are in school and during the six-month grace period before repayment begins. You have the option of paying the interest monthly, quarterly, or having the interest added to the principal. A 3 percent origination fee and a 1 percent insurance premium are deducted from each disbursement of an unsubsidized loan. These charges do not reduce the amount you are required to pay.

Additional Unsubsidized Federal Direct Stafford Loan

Effective July 1, 1994, the existing Federal Supplemental Loan for Students (SLS) Program merges with the Unsubsidized Federal Direct Stafford Loan Program described previously. Under the latter program, loan limits for independent students and for dependent students whose parents are unable to borrow under the Federal Direct Parent Loan for Undergraduate Students (Federal Direct PLUS) Program will be as follows: students in their first and second undergraduate years may borrow a maximum of \$4,000 a year; students in their third, fourth, or fifth undergraduate years may borrow a maximum of \$5,000 a year; and graduate students may borrow \$10,000 a year in addition to the Federal Direct Stafford Loan. Not all applicants qualify for the maximums. The Unsubsidized Federal Direct Stafford Loan may be used to replace the expected family contribution, but total Federal Direct Stafford Loan (subsidized and unsubsidized) plus other financial assistance may not exceed the cost of education (the budget).

Federal Direct Parent Loan for Undergraduate Students

If you are a dependent student, you may be eligible for Federal Direct Parent Loan for Undergraduate Students (PLUS) to meet your edu-

cation expenses. This loan is available through the University and is funded by the Department of Education. The amount a parent may borrow each year is the difference between the student's cost of education and any financial assistance the student will receive from the school and outside sources (including any subsidized and unsubsidized Federal Direct Stafford Loan the student is eligible to receive).

The interest rate on the Federal Direct PLUS is variable but cannot exceed 9 percent a year. Repayment begins within 60 days of disbursement. The borrower is charged a 3 percent origination fee and a 1 percent insurance fee.

Applications are available in the Department of Financial Aid. The University is responsible for forwarding a completed application/promissory note to the loan servicer. Parent borrowers who are not eligible for PLUS loan disbursements should ask the student to contact the Financial Aid Office for assistance through other programs.

State Direct Student Loan

The State Direct Student Loan program provides service-cancelable 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 Georgia Higher Education Assistance Corporation.

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 accepted for admission or enrolled in an approved field of study as listed below; or
 - (c) Be accepted for admission or enrolled in an approved degree granting teacher training program as listed below:

UNDERGRADUATE/VOCATIONAL/ HOSPITAL

Nursing (BS)

GRADUATE AND SPECIALIZED

Nursing (master's degree)

School Psychology (master's degree and 6th year)

Approved Teacher Training Programs

UNDERGRADUATE

Foreign Language 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. The average cancelable undergraduate/graduate loan is \$2,000 per academic year.

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.

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. The application process for this program is currently under review by the Georgia Student Finance Authority and is therefore subject to change.

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 percent and shall accrue from the beginning of the repayment period. Contact: Financial Aid Department, L.B. 8065, (912) 681-5413.

Methodist Student Loan Fund—Available to students majoring in any field at any undergraduate or graduate class level. Eligibility criteria include full-time enrollment, United States citizenship, United Methodist Church membership and degree program admission. All applicants must reach at least a “C” average by the end of their third quarter and must maintain this average to receive further loans. Contact: Director, Wesley Foundation, P.O. Box 2006, Statesboro, GA 30459. (912) 681-3136.

Pickett and Hatcher Loan Fund—Available to students pursuing their first baccalaureate degree in any area excluding law, medicine and the ministry. Applicants must be a citizen of the United States, a legal resident of Georgia, and be or plan to be, enrolled in a college or university located in one of nine Southeastern states. Full-time enrollment and maintenance of a “C” average or better is required. The maximum loan amount is \$3,000.00 for an academic year or \$4,000.00 for a calendar year. Interest accrues at a rate of two percent (2%) per annum while in school and increases to six percent

(6%) per annum upon graduation, cessation of full-time enrollment, or entrance into one of the excluded areas of study. Applicants who have, or will have, unpaid personal educational loans from other sources should not submit an application to this fund. Applications may be requested after October 1 preceding the academic year for which the loan is requested and must be received no later than May 15th. For an application, information regarding repayment and/or additional information contact: The Pickett & Hatcher Educational Fund, Inc., P.O. Box 8169, Columbus, GA 31908, (706)327-6586.

Pittman-Rotary Student Loan Fund—Established and administered by the Statesboro Rotary club. Application open to Bulloch County residents only. Contact: President, Statesboro Rotary Club, Statesboro, GA 30458.

The Floyd C. Watkins Loan Fund—Established in 1971 to assist undergraduate and graduate students who are experiencing unforeseen financial difficulties. The interest rate is two percent less than the rate charged by savings and loan associations. Contact: Financial Aid Department, L.B. 8065, (912) 681-5413.

HOPE SCHOLARSHIPS

HOPE SCHOLARSHIPS—Helping Outstanding Pupils Educationally—is Georgia’s unique new program that rewards hard working Georgia high school students with matriculation scholarships in degree programs at any Georgia public college, university, technical institute, or eligible private institution.

If you graduated from high school in 1993 or later, you can qualify as an incoming freshman for a college scholarship with an 80 or better average in high school. You must also be a legal resident of Georgia and meet current income requirements. HOPE awards may only be applied to any matriculation amounts not covered by PELL or other Federal grants. A Free Application for Federal Student Aid (FAFSA) must be completed.

HOPE eligibility is reviewed at the end of the quarters in which you obtain 45, 90, and 135 attempted hours. Attempted hours refers to all hours attempted at Georgia Southern including classes which you may have dropped as well as hours transferred from another institution.

Contact the HOPE coordinator for other requirements and further information, (912) 681-5413. Additional restrictions may apply. The above is based on the most recent information from the Georgia Student Finance Authority and is subject to change.

HOPE PROMISE—Students planning to enter a teaching field with at least a 3.6 GPA at the beginning of their junior year may receive \$3,000 per year from the HOPE Promise Program. Contact the College of Education for an application.

SATISFACTORY ACADEMIC PROGRESS POLICY

Requirement and Definition

Students receiving financial aid must be making satisfactory academic progress in accordance with the policies outline 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

Federal Perkins Loan, Federal Pell grant, Federal Stafford Loan, Federal Unsubsidized Stafford Loan, Federal Work Study, Federal Supplemental Educational Opportunity Grant, Georgia Student Incentive Grant, Federal PLUS Loan, and HOPE Scholarship.

WITHDRAWALS, REPEAT COURSES, SUSPENSION, AND SATISFACTORY COURSE COMPLETION

. All quarters in which a student is enrolled and receives aid will count toward the maximum time frame and minimum credit hours completion, even if the student completely withdraws from school. **Quarters of enrollment in which no aid is received will count if the student is enrolled after the first week of school.**

Students who receive financial aid and then withdraw from school two quarters within the last four quarters of enrollment will be denied further financial aid. A student who must withdraw a second time within a four quarter time frame must document the reasons for the second withdrawal and receive approval from the Department of Financial Aid before withdrawing from school.

Repeated courses will only count once in the calculation of hours completed. The hours

earned when the first passing grade is received for a course are the only hours that count toward academic progress.

Students who are **suspended** are not in compliance with the institution's standards of academic progress and will be denied further financial aid.

A grade of A, B, C, D, or **S** represents **satisfactory completion of a course**. A grade of **F, W, U, IP, OR IF** represents **unsatisfactory completion of a course**.

MAXIMUM TIME LIMIT

Students not completing their degree within the maximum time frame, as further described, will no longer be considered to be making satisfactory academic progress toward their degree. All quarters of enrollment, excluding summer term, will count toward the maximum time limit. Quarters in which no aid is received will count if the student is enrolled after **the second week of classes**. The count of quarters will be rounded down to the nearest whole number for purposes of determining the remaining number of quarters. Students are allowed 150% of the published length of a degree program. At Georgia Southern University, **the published length of all degree programs is 190 credit hours unless the degree program has a longer length as published in the GSU catalog. Therefore, 18 quarters of full-time equivalent enrollment , excluding summer terms, or 285 hours will be used as a maximum time frame for completion of Georgia Southern University degree programs.**

HOPE Scholarship

Students who are eligible for HOPE may receive the scholarship for up to 190 hours provided the grade point average requirement is met. Students enrolled in a program that requires more than 190 hours continue to receive HOPE beyond 190 hours provided the grade point average requirement is met.

Student Athletes

Student athletes must meet NCAA requirements to maintain eligibility for athletic aid. Student athletes must earn 12 credits per quarter. The NCAA minimum meets the financial aid academic progress requirement.

Undergraduate Students

Full Time

Undergraduates will be allowed a maximum of 18 full-time quarters in which to complete a degree. Aid will be denied to students who have not completed their degree within this time frame.

Part Time

Quarters in which enrollment is less than full time (12 credit hours) will be counted as follows:

Students enrolled in 9-11 credit hours will be counted as 3/4 (.75) of one full time quarter;

Students enrolled in 6-8 credit hours will be counted as 1/2 (.50) of one full time quarter;

Students enrolled in 3-5 credit hours will be counted as 1/4 (.25) of one full time quarter.

Transfer Credits

Credits transferred from other institutions will count toward maximum time frame.

Summer Sessions

The academic year defined in this policy includes Fall, Winter, and Spring quarters. Therefore, enrollment in summer sessions will not be counted toward the maximum time frame limit described in this policy.

Graduate Students

Doctoral/Master’s Degree Candidates

Graduate students in a Master’s degree program are allowed 150% of the published program length to complete their degree and receive financial aid. The exact number of quarters allowed for degree completion depends upon the published length for the particular graduate degree program.

Quarters in which enrollment is less than full time (10 credit hours) will be counted as follows:

Students enrolled in 7-9 credit hours will be counted as 3/4 (.75) of one full time quarter;

Students enrolled in 5-6 credit hours will be counted as 1/2 (.50) of one full time quarter;

Students enrolled in 2-4 credit hours will be counted as 1/4 (.25) of one full time quarter.

The maximum time limit calculation is based on all quarters of enrollment as a Doctoral/ Master’s degree student whether or not aid is received each quarter.

Second Undergraduate Degree Students

Students who have earned an undergraduate degree and are pursuing a second undergraduate degree must complete their degree within three years (nine full time quarters).

Quarters in which enrollment is less than full time (12 credit hours) will be counted as follows:

Students enrolled in 9-11 credit hours will be counted as 3/4 (.75) of one full time quarter;

Students enrolled in 6-8 credit hours will be counted as 1/2 (.50) of one full time quarter;

Students enrolled in 3-5 credit hours will be counted as 1/4 (.25) of one full time quarter.

The maximum time limit calculation is based on all quarters of enrollment as a second undergraduate degree student whether or not aid is received each quarter.

QUARTER CREDIT HOUR COMPLETION REQUIREMENTS

At a minimum, the following schedule for earning credits must be followed to enable the full-time student to complete an undergraduate degree within the federally prescribed time frame. A STUDENT MUST ENROLL IN A MINIMUM OF 12 HOURS TO BE ELIGIBLE FOR FULL-TIME FINANCIAL AID. LESS THAN FULL-TIME ENROLLMENT WILL RESULT IN LESS FINANCIAL AID ELIGIBILITY.

At the completion of the 3rd quarter 32 credit hours
At the completion of the 6th quarter 64 credit hours
At the completion of the 9th quarter 96 credit hours
At the completion of the 12th quarter 128 credit hours
At the completion of the 15th quarter 160 credit hours
At the completion of the 18th quarter 190 credit hours

Evaluation Period

Compliance with the minimum credit requirement will be monitored at the end of each academic year.

Learning Support Classes

Learning Support courses carry institutional credit but not credit toward a degree. Institutional credit is not used in computing grade

point averages. Therefore, although Learning Support classes will be counted when determining financial aid eligibility per quarter by counting toward full-time enrollment, they do not count as hours earned toward a degree.

Audit Courses

Course work taken as "Audit", which may not transfer from audit to credit status, does not count as credit earned toward a degree. Financial aid is not available for audited coursework.

Probation or Denial for Credit Deficiency

Probation. Students who are deficient between 6 and 11 credits are placed on financial aid probation. Students placed on probation are expected to meet with their academic advisor and develop a plan to remedy the deficiency.

Denial. Students who are deficient 11 or more credits are automatically denied further financial aid until the deficiency is corrected. Appeals will be accepted, but circumstances must be beyond the student's control for reinstatement to occur.

ACADEMIC STANDING REQUIREMENTS

UNDERGRADUATE STUDENTS

First Six Terms of Enrollment

Students who have been enrolled in six or fewer quarters or enrollment, excluding summers, and who are otherwise eligible, may receive funding if they are accepted for enrollment under the University academic regulations. The Financial Aid Department will monitor these students' progress and issue a warning letter to students who have an adjusted grade point average of less than 2.00 at the end of their third quarter of enrollment.

Grade Point Average Requirement at the End of Six Terms of Enrollment

A student who has been enrolled six quarters, excluding summer sessions, must achieve and maintain a 2.00 cumulative adjusted grade point average. A student who does not have a 2.00 cumulative adjusted grade point average at the end of the sixth, and each subsequent term of enrollment (including summer sessions), will be automatically denied further financial aid until a 2.00 adjusted grade point average is attained. The denial of aid under this policy applies even

if the student is granted academic reinstatement by the University.

HOPE Scholarship

Students who have HOPE scholarships must have a cumulative adjusted grade point average of 3.00 at the end of 45, 90, and 135 hours of attendance. All transfer academic transcript information (hours of enrollment and grades earned) will be used in the calculation of the HOPE grade point average.

Second Undergraduate Degree Students

Students enrolled for the purpose of earning a second bachelor's degree must maintain an adjusted grade point average of 2.00 for all terms of enrollment. Students with an adjusted grade point average of less than 2.00 will automatically be denied further financial aid.

Evaluation Period for 2.00 Adjusted Grade Point Average Requirement

Each student will be monitored for compliance with the 2.00 adjusted grade point average requirement at the end of their sixth term of enrollment (excluding summers) and each term thereafter (including summers).

APPEALS AND REINSTATEMENT OF FINANCIAL AID AFTER DENIAL

Eligibility for an Appeal

A student who has been denied financial aid on the basis of deficiencies under one of more of the previously mentioned policies may appeal. Generally, appeals are made if the student believes that there are extenuation circumstances, or if the student can document that their satisfactory progress as determined by the Financial Aid Department is incorrect. It is the student's responsibility to document changes in information (grade changes, completion of incomplete grades, etc.) to the transcript.

Appeal Procedures

A formal appeal request form is available from the Financial Aid Department. The appeal must be submitted by the student and explain in detail the reason(s) for not meeting the Satisfactory Academic Progress standards and outline what steps the student is taking to meet the

requirements in the future. All appeals must be in writing and should be directed to the Financial Aid Appeals Committee. The Financial Aid Appeals committee will review all appeals and may request additional documentation from the student. Students will be notified in writing of the appeal decision.

Approved Appeals

Students whose appeals for reinstatement of financial aid are approved are considered to be on a contracted financial aid approval. Students who fail to meet the terms of the contract will be denied further aid until all deficiencies are corrected. Students who fail their contract approval for financial aid reinstatement may appeal to the Vice President for Student Affairs for reconsideration.

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 Colleges of Arts and Sciences, Business Administration, Health and Professional Studies, and Technology. The Co-op Program is coordinated administratively by the Office of Career Services.

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.

VETERANS' ASSISTANCE PROGRAMS

The Department of Veterans Affairs (VA) provides educational benefits under several programs. Eligibility is determined by the VA. Veterans or dependents of certain veterans who wish to attend Georgia Southern University under any of the veterans' benefits programs should contact the Veterans Coordinator located in the Registrar's Office for assistance. The Veterans Coordinator is responsible for assisting veteran students with the processing of VA forms for educational benefits. Students will be advised of procedural requirements and certification of enrollment will be verified to the VA.

Veterans who have service-connected disabilities and are eligible for disability compensation may qualify for Vocational Rehabilitation. Disabled veterans who think they qualify for this assistance are encouraged to contact the Veterans Administration for further information. A Vocational Rehabilitation Specialist from the VA is available to aid the special needs of the disabled veteran.

Georgia Southern University encourages all veterans to take advantage of college credit that may be granted for military training, as well as the credit by examination programs. Veterans requesting college credit for military training must provide the Registrar's Office with an official military transcript for evaluation.

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 for evaluation.

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.

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PURPOSE

As an integral part of the University's educational 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 Life staff 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. The Division provides support services for students as well as a full range of activities designed to provide opportunities for growth, development and entertainment.

SUPPORT SERVICES

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 can be arranged by contacting the Counseling Center at 681-5541.

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.

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.

STUDENT CONDUCT CODES

Rules and regulations regarding student conduct are found in the Student Conduct Code. It is the responsibility of the student to know and to follow these rules and regulations relating to student life and behavior.

Disciplinary procedures, including appellate procedures and disciplinary penalties, may be found in the *Student Conduct Code*. The university reserves the right to change these codes at any time when necessary to ensure the orderly and normal operation of the university.

HEALTH SERVICES

Georgia Southern University Health Services is available for consultation, examination, diagnosis, and treatment of minor illnesses and injuries. Students paying the quarterly health fee are entitled to unlimited office visits during the quarter. The health fee is mandatory for students taking six (6) or more quarter hours and optional for students taking less than six (6) quarter hours.

Health Services employs physicians, physician extenders, nurses, radiological technologist, laboratory technologist, pharmacist, clerical, and health education staff to provide quality medical care at affordable rates. While unlimited office visits are covered by the quarterly health fee, additional services are offered by Health Services at nominal costs that are payable at the time of visit. These include x-ray, laboratory tests, pharmacy, allergy services, immunizations, and women's health services.

The health center is open 8:00 a.m. -5:00 p.m., Monday - Friday during the academic quarter. Limited services and hours are provided during academic breaks. Expenses related to illnesses or injuries requiring the service of another health care provider are the student's responsibility. Students may choose to use another provider for health care services at their own expense.

The Board of Regents of the University Sys-

tem of Georgia requires proof of immunization against measles, mumps, and rubella before students are allowed to register for and attend classes at Georgia Southern University. Health Services administers this policy and will help students with appropriate forms and information. Please refer to Georgia Southern University admission requirements for additional information.

Health and hospitalization insurance is available. Additional information may be obtained by contacting Georgia Southern University Human Resource Division.

CAREER SERVICES

Professional Employment/Job Search Skills

The Office of Career Services is a centralized facility that 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, Career Services offers a wide variety of programs and resources 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 Colleges of Science and Technology, Business Administration, Liberal Arts and Social Sciences, and Health and Professional Studies. The Co-op Program is coordinated administratively by the GSU Office of Career Services.

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

Career Services 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, and critiques of resumes. The department also utilizes two separate computerized career guidance systems; the Georgia Career Information System (GCIS) and SIGI+. Campus outreach programming allows students to become knowledgeable about various academic majors, graduate school issues and a host of other career related topics.

FINANCIAL AID

Georgia Southern University offers a comprehensive program of financial aid. For more information, please see **FINANCIAL AID** Section in this catalog.

SPECIAL PROGRAMS

The Department of Special Programs, a division of Student Affairs, includes the Office of Multicultural Programs, Judicial Affairs, New Student and Parent Programs, Off-campus Programs, Volunteer Services, and Student Publications.

Multicultural Programs coordinates programs on diversity including scheduling guest speakers on campus to presentations to individual classes during the quarter. Religious Tolerance Week, Black History Month, Diversity Week and Women's Awareness Week are sponsored by this office. The Minority Advisement Programs and its tutoring function is a large part of this program.

Judicial Affairs adjudicates violations of the Student Conduct Code, facilitates programs for alcohol awareness, including monthly student seminars, and sponsors the annual Alcohol Awareness Week activities.

New Student and Parent Programs facilitate the student orientation process and the SOAR Team, Parent's Weekend, and the Parents' Association. Publications include a parents' newsletter, and The Eagle Eye Student Handbook.

Off-campus Programs coordinates the Community Advisor Program, Listings of Off-campus Housing, Food for Thought Exam Packs, the annual Housing Fair and the 'Boro Beat magazine.

Student Publications include the George-Anne newspaper, the Reflector yearbook magazine, and the Miscellany magazine.

The offices are located in the Rosenwald Building and can be contacted by calling (912) 681-5409.

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.

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 85 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.

CAMPUS LIFE AND ACTIVITY PROGRAMS

RESIDENCE LIFE

The Residence Life program at Georgia Southern University offers a living-learning environment for the 3,000 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, leadership training and numerous programming opportunities. These experiences provide students with an opportunity to grow, achieve, find autonomy and practice decision making.

Coordinating these experiences and programs are highly trained staff members. Staff members enhance the living community by planning programs and activities for students, assisting students in every way possible to ensure that they are happy, safe and making a smooth transition to college life. Professional staff members (area directors—full time professionals who have master's degrees 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 70 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.

INTERNATIONAL STUDENT PROGRAMS

Over 400 international students bring a new dimension to life at Georgia Southern. **International Student Programs** offers basic support to these students from other countries and provides programming which allows all students to learn more about other cultures. Major programs include the International Week, Friendship Family Program, Student Mentor Program and the activities of the International Club .

RUSSELL UNION

The Russell 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 strives 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 Russell Union facility is a 900 seat ballroom, a 576 seat movie theatre/auditorium, student office spaces, 16 meeting rooms, a gameroom, study lounges,

TV lounge, snack bar, retail shops, mini book store, two restaurants, 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.

UNION PRODUCTIONS

Union Productions is the programming arm of the Russell Union which provides campus-wide social, educational, cultural, and entertainment events throughout the year. Union Productions (UP) is a student-run organization built on a structure of several programming committees, providing the GSU community with a variety of movies, comedians, musical events, shows, and colorful cultural expositions. UP also plays a major role in university-wide events, such as Homecoming, Welcome Week, and Alcohol Awareness Week. All students are encouraged to become a volunteer member of Union Productions. Active Committee members participate in the selection, planning, promotion, and production of events. Involvement in UP opens doors for meeting new people and getting "behind the scenes" experience in programming.

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

CAMPUS RECREATION AND INTRAMURALS

The leisure-time activities that Campus Recreation and Intramurals (CRI) provides for students positively affect their mental and physical well-being. CRI enhances personal fitness levels, reduces stress, and develops interpersonal relationships among team-mates and competitors. Taking advantage of CRI's services is easy. All you need is a GSU identification card. No experience is required to participate. All of the CRI employees are trained to assist students in gaining the maximum benefits from recreational activities. Each quarter CRI produces a pocket calendar with facility hours, trips, intramural sports, and other pertinent information. Pocket calendars may be obtained from any CRI facility or the CRI office, located upstairs in the Russell Union, Room 222.

Informal Recreation offers aerobics, free weight rooms, nautilus equipment, swimming, basketball, tennis courts, racquetball courts, and volleyball. All of these services are used on a drop-in basis. The satellite facilities that house these recreational opportunities are available campus-wide.

*Fitness Extension: aerobics, cardio-vascular machines, circuit training equipment.

*Weight Extension: free weights, circuit-training equipment

*Hanner Fieldhouse: aerobics, indoor pool, weight rooms, basketball courts, lighted tennis courts

*Marvin Pittman: indoor/outdoor basketball courts, sand volleyball court, lighted tennis courts

*In the Pines: sand volleyball court, basketball court, pool

*Dorman Hall: basketball court

*Oxford Field: sand volleyball court, basketball court, multi-purpose field

*New Sports Fields (located on-site of the New Student Recreation Center)

Intramural Sports Program is designed to provide competitive and recreational experiences for participants of all skill levels and abilities. A wide variety of activities are offered to satisfy the needs of each individual through participation in the many individual, dual, and team sports. Activities include: Flag Football, Volleyball, Tennis, Basketball, Bowling, Softball, Indoor/Outdoor Soccer, Ultimate Frisbee, Racquetball, Golf, and other Special Events Tournament.

Outdoor Recreation encourages students to discover the great outdoors. The Outdoor Recreation Center, located at the Sports Complex, provides outdoor equipment that can be rented for nominal fees: tents, backpacks, lanterns, stoves, coolers, and much more. The Outdoor Center is packed with information about state, national, and private parks, as well as other recreational areas. The staff assists in planning trips and offers instructional workshops to better prepare students for their outdoor experience. Weekend adventure trips are planned each quarter. These include white water rafting, snow skiing, backpacking, camping, and off-shore fishing. These organized trips provide closer supervision and an opportunity to meet new people.

Club Sports are independent student organizations that are created because of a substantial amount of interest in a particular area of recreation. Some teams compete intercollegiately: Rugby, Lacrosse, Equestrian, Volleyball, and Water Skiing. Other club sports organize their own trips: Outdoor Adventures and Scuba. CRI is eager to support other clubs as needs and interests arise.

Participation in the Campus Recreation and Intramurals program is completely voluntary. It is strongly recommended that all participants consult a physician and/or have a physical exam prior to participation. Participants are also urged to secure their own adequate medical coverage.

STUDENT ORGANIZATIONS

Over 135 **Student Organizations** contribute to each student's education by providing for the development of individual 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 Russell 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 Russell 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, 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 Russell Union at 681-0399.

The **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.

Greek Life is a very strong component of student life on the campus. Twelve fraternities and eleven sororities provide opportunities for students to participate in group activities and programming. Greeks are very active on the Georgia Southern Campus and contribute much to promote GSU. Approximately twenty percent of full time undergraduate students participate in the Greek System.

FEES AND HOUSING

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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 10 weeks. Fees 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 conformity with Board of Regents policies, fee payment regulations must be observed. All fees and charges are due and payable by the due date 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. Nonpayment of all fees and charges by the designated due date will result in cancellation of all classes, meal plan and campus housing assignment. If a student's financial aid is not available to pay all fees by the designated due date, he/she must be prepared to pay fees and be reimbursed when his/her financial aid is available. Should a student decide to not attend GSU or cease to attend during the quarter he/she will continue to be fee liable until officially withdrawing from the University. (See refunds and withdrawals for more information)

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 Hall 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 \$20, whichever is greater, will be charged. Checks returned unpaid for registration fees before classes begin or during the first weeks of school will result in a registration cancellation on the next scheduled cancellation date.

Fee checks returned unpaid after the last cancellation of the quarter must be cleared within ten days of written notice or the student

will be administratively withdrawn and charged for the time enrolled according to the University catalog. Tuition checks returned prior to mid-quarter are sent to the bank twice for collection; after mid-quarter they are presented only once. A check for anything other than fees 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 an insufficient funds 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.

MATRICULATION FEE ON CAMPUS

The matriculation fee is charged to all students. Students registering for 12 or more hours will be charged \$528.00 per quarter. Students registering for fewer than 12 hours will be charged at the rate of \$44.00 per quarter hour.

OUT-OF-STATE TUITION

Non-residents of Georgia registering for 12 or more quarter hours must pay a fee of \$1293 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 \$108 per quarter hour.

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 these activities and services, a quarterly fee of \$157 is charged. All students pay this fee unless they are registered for fewer than six credit hours or enroll in all of their courses at off campus centers. Courses in Statesboro and Savannah are considered to be on-campus.

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.

PARKING PERMITS

All vehicles parking on campus are required to have a parking permit which is available from

the Parking and Transportation Office located on Sweetheart Circle. The permit cost is \$45 per year. If registering a vehicle for the first time, a copy of your vehicle registration is required. Residents of some apartment complexes in close proximity to Campus do not qualify for parking permits. If you have questions, please call Parking at 681-0702.

Visitors parking on campus are asked to obtain a complimentary visitor's pass from the "Welcome Center" on Sweetheart Circle. This pass provides visitors with additional privileges and convenience while parking on campus

GRADUATION FEE

A graduation fee of \$40 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 may 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) \$50.00
 - 2. Institutional Scholastic Aptitude (ISAT) \$25.00
 - 3. Proficiency Examination \$15.00
 - 4. Graduate Record Exam (GRE) \$64.00
 - 5. National Scholastic Aptitude (SAT) ... \$21.50
 - 6. Miller's Analogy Test (MAT) \$40.00
- There is no testing fee for the following if taken on the standard test date:
- Georgia & U.S. History and Constitution Tests
 - Regents' Testing Program
 - College Placement Exam (CPE)

BOOKS AND SUPPLIES

The University maintains a bookstore where students may purchase text books, school supplies, sportswear, novelties, snacks, greeting

cards, and other items. The University store accepts cash, checks, Master Card, Visa, and *EAGLEXPRESS* for payment. Textbooks cost approximately \$150 per quarter depending on the courses taken and whether the books are new or used.

REFUNDS

Regulations of the Board of Regents of the University System of Georgia provide for matriculation fee, nonresident fee and mandatory fee refunds when formal withdrawal is approved within a designated period, following scheduled registration.

- Before or on the first day of class 100%
- After first day of class and during the first 10% of the class enrollment time 90%
- After the first 10% of the class enrollment time and during the first 25% of the class enrollment time 50%
- After the first 25% of the class enrollment time and during the first 50% of the class enrollment time 25%
- After the first 50% of the class enrollment time No Refund

Refunds from formal withdrawal from school are made after mid-point in the quarter. Refunds of housing deposits are made the quarter following a formal withdrawal from campus housing. Any outstanding obligations due to Georgia Southern University may be deducted from the amount to be refunded. There is no refund for classes dropped after the schedule adjustment period. Additional fees due for private music lessons or certain PE classes (i.e., scuba diving, bowling) are not refundable after schedule adjustment. A refund of all quarterly matriculation, non-resident fees, and other mandatory fees is made in the event of death of a student any time during an academic quarter.

Students living in campus housing must formally withdraw from school **and** check out of the residence hall to receive a refund of their housing deposit or room rent. An acceptable vacating of housing includes checking out of the hall, returning keys and leaving the room in an acceptable physical condition. The refund of room rent is prorated based on the date of formal withdrawal. The cost of damages incurred in a room or lost keys will be deducted from the refund.

* Fees subject to change without notice.

REFUND FOR STUDENTS RECEIVING FEDERAL FINANCIAL ASSISTANCE

Students receiving Federal financial assistance who formally or informally withdraw from school, are subject to Federal refund regulations. The percentage used to compute the refund is based on the schedule provided by the Georgia Board of Regents listed above. The refund is returned to the applicable Federal program using the following computation.

Example: Student receiving \$811.25 Stafford Loan withdrew during second week of a quarter indicating a 50% refund. Of this loan, \$602.50 was used to pay tuition and fees and must be considered for refund.

Refund Procedure:

Step I

Fees Paid	\$602.50
Refund Percentage	50%
Refund	\$301.25

Step II

Refund Formula:

$$\text{Refund Amt. X } \frac{\text{Total Federal Aid}}{\text{Total Aid}} = \text{Federal Refund}$$

Example:

$$\$301.25 \text{ X } \frac{\$602.50}{\$602.50} = \$301.25$$

Solution:

\$301.25 refund must be repaid to the Direct Loan program

Federal financial assistance must be returned in the following order: Federal Family Education Loans (Direct Stafford Unsubsidized, Direct Stafford Subsidized and Direct PLUS loans, respectively), Federal Perkins Loans, Federal Pell Grant, Federal Supplemental Educational Opportunity Grant, State Incentive Grant and other Federal Title IV assistance.

Students attending Georgia Southern University for the first time, and receiving Federal financial assistance are subject to prorata refund regulations if they formally or informally withdraw from school. Refunds for these students are computed using the computation above except that the amount of refund is based on the percentage of time attended to total period of enrollment, up to 60% of the enrollment period.

Receipt of any Federal financial assistance for cost of living in excess of the cost of attendance

may be subject to repayment by the student if the student has withdrawn from school. The Office of Student Fees notifies the student if a repayment is due.

Copies of the complete refund policy for Federal financial assistance are available from the Office of Student Fees located on the first floor of Deal Hall.

MEAL PLANS

Five 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 Lakeside Cafe.

Contract Meal Plans

- (1) 3 meals a day, 7 days a week \$610
- (2) 2 meals a day, 7 days a week \$525
- (3) 2 meals a day, 5 days a week \$415
- (4) 1 meal a day, 5 days a week \$208

Declining Balance Plan

(5) The *EAGLEXPRESS* account is a prepaid declining balance program which may be used in all Food Service units. Accounts can be opened or added to at the Food Service Office in the Lakeside Cafe, the University Store, Books Plus or the Pickle Barrel.

Entering freshmen who live in residence halls must purchase a 5/2 or greater contract meal plan. Freshmen housed on campus are not eligible for the one-meal-a-day commuter plan. Please note that the housing contract contains a freshmen meal plan requirement clause. Please read and understand this requirement before signing the contract. Once this requirement has been satisfied, an *EAGLEXPRESS* account may then be opened. All other students may purchase any of the five meal plans desired or a combination of *EAGLEXPRESS* and one of the contract plans.

EAGLEXPRESS

EAGLEXPRESS is a declining balance plan which means that a student deposits funds into an account prior to making purchases, and then uses a GSU I.D. Card to make purchases. When a purchase is made, the amount of the transaction is automatically deducted from the account balance. *EAGLEXPRESS* can be used to purchase goods and services at all auxiliary services units including all campus restaurants, retail outlets, laundries, snack bars, parking, health and printing services, and select housing fees.

HOUSING RATES*

Residence Halls: (Double occupancy; M-Male, F-Female, C-Co-ed)

Lewis (M).....	\$385
Brannen (M), Cone (F), Dorman (M), G-56 (C), Hendricks (C), Johnson (F), Olliff (C), Oxford (M), Winburn (F), Veazey (C)	\$565

Apartments:

In-the-Pines	
Efficiency (1 occupant)	\$895
Sm. 1-BR (2 occupants)	\$740
Lg. 1-BR (2 occupants)	\$820
Townhouse (4 occupants)	\$700

Sanford:

2- BD (4 occupants)	\$640
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NOTE: Rates quoted are for 1995-96 subject to final approval.

* *Private rooms are only assigned when spaces are available.*

HOUSING FACILITIES

Georgia Southern operates 13 housing units providing space for approximately 3,100 students. The 11 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 AND REGULATIONS

The Department of Housing has established policies, procedures, and regulations, to insure the orderly operation of the department and to promote effective group living. These policies and regulations which are most appropriate for inclusion here are listed below. Additional

policies and regulations can be found on the application, in the Eagle-Eye and in other Department of Housing publications.

Residency Requirements/Eligibility

There is no residency requirement for the 1995-96 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

A \$50 deposit is required to apply for campus housing. The deposit will be refunded for those reservations canceled by the deadlines printed on the Housing application. Residents are eligible for a deposit refund upon completing their period of residency and following proper checkout procedures.

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 room-

mate 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 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 canceled. 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

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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 a minimum of 90 quarter hours as follows:

AREA I—HUMANITIES AND FINE ARTS TOTAL: 20 HOURS

The following English courses must be taken in sequence:

*ENG 151 & 152—English Composition
I and II 10 Hours

ENG 251, 252, OR 253 — The Human
Image in Literature of the
Western World 5 Hours

Five hours from the following: 5 Hours
ART 160—Art in Life

MUS 152—Introduction to Music

PHI 150—Survey of Philosophical Thought

CAT 257—Introduction to Theater

CAS 251—Fundamentals of Public Speaking

CA 252—Intro to Human Communication

**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

TOTAL: 20 HOURS

Five hours from the following math 5 Hours

*MAT 150—Intro to Mathematical Modeling

*MAT 151—College Algebra

MAT 152—Trigonometry

MAT 165—Pre-Calculus
(combines MAT 151/152)

MAT 155—Business Calculus

MAT 166, 167, 264, or 265
or equivalent (Business Majors)
Calc I, II, III or IV

** Credit cannot be received for both MAT 150 and MAT 151 in Area II of the Core Curriculum*
Ten hour laboratory sequence from the
following: 10 Hours

BIO 151 & 152—Principles of Biology I & II

BIO 161 & 162—General Biology I & II

(Open only to Biology Majors)

CHE 171—Introduction to General Chemistry

CHE 172—Introduction to Organic Chemistry

CHE 181—Chemical Structure and Properties

CHE 182—Chemical Reactivity

GLY 151 & 152—Gen. Physical and Historical
Geology

PHS 161—Planetary Astronomy

PHS 162—Stellar and Galactic Astronomy

PHY 251 & 252, or 253—Gen. College Physics
I, II, III

PHY 261 & 262, or 263—Gen. College Physics
for Science, Engineering, and Mathematics
students.

Five hours additional mathematics or science
from the above or one of the following:
..... 5 Hours

BIO 165—People and the Environment

CHE 165—Chemistry and Your World

GGY 150—Physical Geography

GLY 165—Principles of Environmental Geology

GT 165—Technology, Science, and
Environment (Ind. Tech Dept.)

PHS 151—Principles of the Physical Universe,
with Lab (Physics Dept.)
[appropriate for satisfying the College
Preparatory Curriculum]

PHS 152—General Astronomy (Physics Dept.)

STA 255—Intro to Statistics Using the
Computer (Prerequisite 5 hours Math)

AREA III—SOCIAL SCIENCE

TOTAL: 20 HOURS

HIS 152 OR 153—Development of
Civilization I or II 5 Hours

HIS 252 OR 253—U. S. History I
(to 1877) or II (since 1877) 5 Hours

PSC 250—American Government
(Political Science Dept.) 5 Hours

Five hours from the following 5 Hours

ANT 150—Introduction to Anthropology

GGY 250—World Regional Geography

PSY 150—Introduction to Psychology

SOC 150—Introduction to Sociology

ECO 250 OR 251—Principles of Economics
(Business majors will take these in Area IV)

ECO 260—Basic Economics
(non-Business majors)

AREA IV—COURSES APPROPRIATE TO THE MAJOR

TOTAL: 30 HOURS

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 he/she has had a minimum of one year's active military duty. The DD-214 should be furnished to the Registrar's Office.

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 per week for a quarter. A course meeting five periods per 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 and 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. The

Dean of the College in which the student's major is found may approve an overload for 22 - 23 hours. Under extraordinary circumstances a student's dean may recommend to the Vice President for Academic Affairs that a student be allowed to take more than 23 hours, but never more than 25 hours.

Students are limited to a 16 quarter hour course load during summer quarters. Exceptions to this policy may only be approved by deans in extenuating circumstances.

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.

It is the policy of the University to permit students, faculty, and staff to observe those holidays set aside by their chosen religious faith. The faculty should be sensitive to the observance of these holidays so that students who absent themselves from classes on these days are not seriously disadvantaged. It is the responsibility of those who wish to be absent to make arrangements in advance with their instructors.

COURSE NUMBERING SYSTEM

The FIRST digit in the course number indicates the level of the course. Courses with the first digit of "1" or "2" are called lower division courses. Courses with the first digit of "3" or "4" are structured primarily for upperclassmen (students with junior and senior standing). Courses dual-numbered with the first digit of "4" or "6" are open to upperclassmen and graduate students. Courses with the first digit of "8" or "9" are open only to those who have been formally admitted to Graduate School. The numbers and titles are listed in this catalog. For

a full description of these courses see the Graduate College 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 or fourth digit is used simply to designate that particular course.

GRADES 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/her 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:

<u>Symbols</u>	<u>Explanation</u>	<u>Grade Points</u>
A	Excellent	4.0
B	Good	3.0
C	Satisfactory	2.0
D	Passing	1.0
F	Failure	0.0
I	Incomplete	0.0
*IP	In Progress (used only for courses designed to extend over more than one quarter)	0.0
<i>*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.</i>		
W	Withdrew	0.0
WF	Withdrew Failing	0.0
V	Audit	0.0
S	Satisfactory	0.0
U	Unsatisfactory	0.0

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 by the end of the fourth quarter (one calendar year) following the quarter in which it was recorded. 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 midpoint of the quarter. Beyond the midterm 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 midpoint 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 midterm.

An “S” indicates that credit has been given for completion of course requirements.

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.”)

S/U GRADING OPTION

Students may select the S/U grading option under the following conditions:

1. Student must have earned 100 quarter hours of credit prior to enrolling in any course for S/U grading.
2. Student must be in good academic standing.
3. Student must have declared a major.
4. S/U grading will be permitted only in courses being used to satisfy the free elective or minor requirements of the individual student’s degree program. A maximum of 5 hours will be allowed for any minor. The option applies only to undergraduate courses.
5. Student may not change from S/U grading status to letter grade status or vice versa after the fourth class day of the quarter.

The course content and requirements are the same for S/U registrants as for regular registrants. The minimum performance for an “S” grade is equivalent to the minimum performance for the letter grade “D”.

A student wishing to elect the S/U grading option must obtain approval from the student’s advisor. The advisor giving such approval should give the student a Course Permission Form specifying this approval in item #4. The student must present this Course Permission Form at time of registration.

PETITION TO REVIEW/CHANGE A GRADE

The evaluation of the quality of a student’s performance is the prerogative of the instructor. Nothing stated below is intended to place a limitation on this prerogative and the instructor will be involved in the review at each stage in the appeal process. All grade appeals should be viewed as confidential matters between the student, the instructor and the appropriate administrators.

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 after such consultation the student does not agree with the basis on which the grade was assigned, the student may initiate an appeal according to the procedures given below. The burden of proof will rest with the student. There are four stages of appeal available to a student

and they must be followed sequentially. Stages Two through Four must be completed during the quarter immediately following the quarter in which the grade was assigned unless an extension is authorized by the Vice President for Academic Affairs (VPAA). At the completion of each stage of the appeal the student is to be notified of the decision in writing.

Procedures

Stage One: An appeal must be initiated within twenty working days after the grade has been mailed by the Registrar’s Office. The student should petition the instructor in writing, giving salient reasons for the grade appeal. The student should retain a copy of the written appeal for personal records.

Stage Two: If the student is not satisfied after the review by the instructor, the student should consult the Department Chair and submit a copy of the written appeal. The Department Chair will attempt to resolve the grade appeal. The Chair will meet with the instructor and may consult with other persons who have relevant information.

Stage Three: If all efforts to resolve the grade appeal at the Departmental level are unsuccessful, the student may submit the written appeal to the Dean of the appropriate College. The Dean will examine the appeal and other pertinent materials submitted by the student. The Dean will meet with the instructor and may also request from the instructor materials deemed relevant. In an attempt to resolve the grade appeal, the Dean may interview the student, instructor, and others who may have pertinent information. If the Dean determines the need for a review committee to examine the issue the committee shall consist of:

One faculty member from the Department

One faculty member from the College but not from the Department of the instructor

One faculty member from another College Ex Officio: A staff member from Student Affairs recommended by the Vice President for Student Affairs.

The committee, if appointed, will advise the Dean regarding the grade under appeal. Whether the Dean chooses to appoint a committee or not, the Dean will render a final decision on the grade appeal at the College level.

Stage Four: If all efforts to resolve the grade appeal at the College level are unsuccessful, the

student may submit the written appeal to the VPAA. The VPAA will examine the appeal and other pertinent material submitted by the student. The VPAA will meet with the instructor and also may request materials deemed relevant. In an attempt to resolve the grade appeal, the VPAA may interview the student, instructor, and others who may have pertinent information.

If a committee was constituted at the College level, then the VPAA will review the process, the committee findings, and the decision of the Dean and render a final University decision. If a committee was not appointed at the College level, then the VPAA has the option of appointing a review committee which will conform to the composition described in Stage Three.

The committee, if appointed, will advise the VPAA regarding the grade under appeal. Whether the VPAA chooses to appoint a committee or not, the VPAA will render a final University decision.

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 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.

PETITION TO WITHDRAW WITHOUT PENALTY AFTER MID-QUARTER

In every case in which a student withdraws before the mid-point of the quarter, a "W" (Withdrawal without penalty) is assigned. No petition is involved. Simply complete the formal withdrawal procedure through the Registrar's Office.

For a student to withdraw without penalty from individual courses after the mid-point of the quarter, the Instructor must certify all four of the conditions below and recommend withdrawal.

1. All work was up-to-date at mid-quarter.
2. The work was of passing quality at mid-quarter.
3. Attendance was satisfactory up to mid-quarter.
4. The factors justifying withdrawal are essentially non-academic and developed after mid-quarter.

The Department Chair also must recommend withdrawal. After conferring with the Instructor and Department Chair, the student must submit the completed Petition for Withdrawal form to the Dean of his/her college. The Dean will submit the petition to the Registrar's Office.

DEAN'S LIST

During any quarter, an undergraduate or post baccalaureate student carrying 12 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. Learning Support students must obtain permission from the Chair of the Department of Learning Support.
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 student's eligibility for graduation with honors.

ACADEMIC POLICIES

A student shall be in good academic standing unless she/he has been suspended or excluded from the University and not readmitted. 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 GPA reaches 2.0. If at the end of three successive quarters of enrollment the adjusted 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 GPA) and later falls below again, he or she will again have three successive quarters to reach an cumulative GPA of 2.0 as long as the quarterly GPA is at least 2.0.

LEARNING SUPPORT PROBATION

Learning Support students whose adjusted grade point average in regular credit courses taken in conjunction with Learning Support courses falls below 2.0 will be placed on probation for the subsequent quarter.

This first probation will continue until the student exits all Learning Support 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 quarterly grade point average of 2.0 or better while on probation or failure to attain an adjusted grade point average of at least a 2.0 by the end of the third quarter on probation.

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, fails to earn any credit for that quarter, and the adjusted cumulative grade point average is below 2.0.

RESTRICTED ENROLLMENT

As an alternative to remaining out of school 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 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 "I" or "W" in a minimum of 10 hours of coursework, fails to earn any credit for that quarter, and the

adjusted cumulative grade point average is below 2.0, and the student was previously suspended.

LEARNING SUPPORT DISMISSAL

Learning Support students may be dismissed from Georgia Southern University for two reasons:

1. Failure to exit the Learning Support program:

Learning Support students have four quarters to exit the program in all areas in which they are enrolled. Students who fail to exit after those four quarters will be placed on exclusion for one quarter. At the end of this one-quarter dismissal, they will be eligible to return to Georgia Southern for one additional attempt to complete any Learning Support requirements. The program must be completed during that quarter, and the student may register for the required Learning Support classes only. Failure to exit the program at this time will result in dismissal for one calendar year. The student may return at the end of that calendar year only with permission from the institution's president. Restrictions will be placed upon all approved enrollments.

2. Accumulation of two "F" grades in Learning Support classes:

Learning Support students who earn two "F" grades in any combination of institutional credit Learning Support classes will be excluded for one quarter. Upon their return, they will be restricted to thirteen hours, or to fifteen hours if Learning Support program requirements stipulate the additional two hours. An "F" in any subsequent Learning Support program courses will result in exclusion for one calendar year.

Students returning to GSU after a one-year exclusion must meet all restrictions placed on their enrollment in order to be eligible to continue. Failure to do so will result in final exclusion from the institution. These students may return to GSU only after meeting all transfer requirements or after a successful appeal to the Admissions Committee following a three-year exclusion.

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 GPA, only the most recent grade will be used (the earlier grade will remain on the transcript and in the official cumulative GPA). The adjusted GPA will be used to determine academic standing and graduation GPA requirements.

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.

ACADEMIC RENEWAL POLICY

The Academic Renewal policy allows students who are enrolled in the University System of Georgia to have a fresh start if they have had academic difficulties in the past. The student must reenroll at the same institution in which he/she experienced the problems and must not have attended any postsecondary institution for at least 5 calendar years prior to reenrolling.

Former Learning Support (Developmental Studies) students may not apply for Academic Renewal unless they had successfully completed all Learning Support (Developmental Studies) requirements during their previous enrollment.

1. All previously attempted coursework will continue to be recorded on the student's official transcript. The student's cumulative grade point average will include all credit courses taken excluding learning support/developmental studies courses. Any scholastic suspensions or exclusions that occurred in the past shall remain recorded on the student's permanent record.

- 1.1 Students must apply for Academic Renewal, and Academic Renewal shall be granted upon application by the student. A student can be granted Academic Renewal status only once. Students should contact the Office of the Registrar to apply for Academic Renewal.

- 1.2 An Academic Renewal Grade Point Average is begun when the student resumes taking coursework following the five-year period of absence. A statement will be

placed on the student's transcript indicating the Academic Renewal status.

- 1.3 The Academic Renewal GPA will be used for determining academic standing and eligibility for graduation. Eligibility for graduation with honors will be based on an overall grade point average as defined in the policies for determining graduation with honors.

- 1.4 Academic credit for previously completed coursework—including transfer coursework—will be retained only for courses in which an "A", "B", "C", or "S" grade has been earned. Retained grades are not calculated in the Academic Renewal GPA but are counted in the Academic Renewal Hours Earned.

- 1.5 Retained hours earned prior to Academic Renewal may be used to satisfy Georgia Southern's residency requirement.

2. If a student does not request Academic Renewal status at the time of re-enrollment after a five year or greater period of absence from any postsecondary institution, the student may do so within three academic quarters of re-enrollment or within one calendar year, whichever comes first.

- 2.1 The Academic Renewal GPA begins with the first term following re-enrollment.

3. Reentry into any program is not automatic.
4. The granting of Academic Renewal does not supersede financial aid policies regarding Satisfactory Academic Progress.
5. The granting of Academic Renewal at Georgia Southern will not supersede the admissions requirements of certain programs, e.g., teacher education, nursing, which require a specific minimum grade point average based upon all coursework.
6. United States and Georgia history and constitution requirements met prior to the granting of Academic Renewal will remain on the student's permanent record even though the courses may not count in the Academic renewal GPA. Also, Regents' Test scores prior to Academic Renewal will remain on the student's record. Georgia Southern will count all hours earned prior to Academic Renewal in regards to Regents' test, College Preparatory, and other Board of Regents' Policy requirements.
7. **Note for Students Granted Academic Renewal:** The granting of academic renewal at Georgia Southern University will not supersede

the admission requirements to graduate programs as set by the departments and the College of Graduate Studies.

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 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. Although it is recommended that a student wait until he/she has exited English 151 and 152 the test may be taken anytime.
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 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.

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.

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.

Failure to Meet Review Course Requirements

Students who fail to meet the above requirements will be subject to this action:

A student required to take review courses who does not meet the attendance requirements of the course will not be allowed to take the Regents' Test during the quarter in which he is enrolled. Students who are required to enroll in review courses for the Regents' Test and do not register for them before the first class meeting are in violation of Regents' and Institution's policy. Such students will be administratively withdrawn from the University. If a student required to take remedial courses misses 50% of the sessions of the remedial course, he will be suspended from school 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 Chair.

- d. The Chair 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 Associate 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 each candidate for a degree or certificate demonstrate a knowledge of the history and constitution of the United States and Georgia. These requirements may be met by passing examinations offered each quarter or by receiving a passing grade in certain courses.

The courses and the requirement(s) each course satisfies are as follows:

PSC 250 satisfies Georgia Constitution and U.S. Constitution

HIS 252 or HIS 253 satisfies Georgia History and U.S. History

PSC 350 satisfies Georgia Constitution

HIS 450 satisfies Georgia Constitution and Georgia History

The requirements are satisfied by completing Georgia Southern's Core Curriculum. Equivalent courses taken at other institutions may not meet these requirements. Therefore, students who transfer courses from other colleges should have their transcripts evaluated by the registrar at Georgia Southern University no later than the beginning of the senior year to see if these courses satisfy the requirements.

Students taking College Level Examination Program tests or Advanced Placement Program tests for PSC 250, HIS 252, or HIS 253 should be aware that credit for these exams will satisfy only the U.S. components of the history and constitution requirements.

FOREIGN LANGUAGE REQUIREMENTS

I. Requirements for Students Not Subject to CPC—High School Graduation before Spring 1988

Students graduating from high school before Spring 1988 are not subject to CPC. These students may count the first and second level (151 and 152) of a foreign language toward graduation even though they may have completed these levels of the same language in high school.

II. Requirements for Students Subject to CPC—High School Graduation Spring 1988 and After

Students graduating from high school Spring 1988 and after are subject to CPC. These students are required to complete two years of the same foreign language in high school to satisfy CPC requirements. They may not count toward college graduation the first and second courses (151 and 152) of the same foreign language taken in high school because this would be the same as repeating the courses they took in high school. A student may not receive duplicate credit in foreign languages.

Students who received GED's Spring 1988 and after are subject to CPC. These students must meet the same CPC requirements as a student who graduated from high school Spring 1988 and after.

Students who graduate from high schools outside of the United States are not subject to the CPC requirements.

Students whose native language is not English and have graduated from a high school in the U.S., and who have not satisfied CPC in high school, may take a proficiency exam in their native language and satisfy their CPC requirements if they are proficient at the second level of their language.

III. Foreign Language Degree Requirements

A. BA Degree Requirements

BA degree students **MUST** take FL 153 and FL 252 (or pass these courses by taking local proficiency exams) if they

continue the same language. They **MAY** take FL 151 and/or 152 if their preparation is deficient, but they will receive no credit toward graduation for those two courses.

BA degree students who choose to start a **DIFFERENT** language may take all four courses (FL 151, 152, 153, and 252). All will count toward graduation.

B. BS Degree Requirements

BS degree students **MUST** take FL 153 (or pass these courses by taking local proficiency exams) if they continue the same language. They **MAY** take FL 151 and/or 152 if their preparation is deficient, but they will receive no credit toward graduation for those two courses.

BS degree students who choose to start a **DIFFERENT** language must take FL 151 and FL 152. Both will count toward graduation.

REMEMBER: STUDENTS MAY NOT GET “DUPLICATE” CREDIT BY REPEATING THE FIRST TWO COURSES OF A LANGUAGE THEY TOOK IN HIGH SCHOOL IF THEY ARE SUBJECT TO CPC.

GRADUATION REQUIREMENTS

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

It is recommended that the students have their programs of study checked with their advisors at least three quarters before anticipated completion of degree and submit an Application for Graduation. An Application for Graduation 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.

Students must earn at least 30 percent of their degree requirements in residence at Georgia Southern University. The last 45 hours of work must be earned 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.

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

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

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/she 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 specific 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.

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

Students typically satisfy the requirements for graduation listed in the catalog when they initially enroll at Georgia Southern. 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 reenters, the current catalog requirements (at time of reentry) will apply. Exceptions to the ten-year provision may be granted in rare circumstances. Any such

exception requires the approval of the advisor, department chair, and the dean.

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.

Students may take EP121a,b,c, and EP221a,b,c repeatedly; but, a maximum of four credit hours may be applied to the 190 minimum for graduation.

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 all the additional studies required in that program and by meeting residence requirements for the second baccalaureate degree. The minimum resident requirement is 30 percent of the degree requirements being taken at Georgia Southern University. Students may not earn the same degree a second time at Georgia Southern.

GRADUATION WITH HONORS

Only baccalaureate and post-baccalaureate (not graduate) degree candidates are eligible to graduate with honors. The following requirements must be met:

1. At least 90 hours of credit must be earned at Georgia Southern University.
2. At least 75 hours of credit must be earned in regularly scheduled academic courses at Georgia Southern University in which "A", "B", "C", "D", "F" grades are assigned.
3. The first GPA criterion is that the minimum average for a particular level of honors must be earned on all undergraduate coursework taken at Georgia Southern University.
4. The second GPA criterion is that the minimum average for a particular level of honors must be earned on all undergraduate coursework attempted at all institutions attended.
5. In applying the two GPA criteria, the lower GPA will be used to assess the level of honors, if any.
6. 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
7. 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 rechecked for honors, which may be added if qualified.

8. HONORS FOR SUBSEQUENT

BACCALAUREATE DEGREES: In addition to the foregoing, a third GPA criterion applies to students earning subsequent undergraduate degrees. The student must earn the minimum average for a particular level of honors on all coursework taken between the most recent undergraduate degree and the current degree. The lowest of the three GPA calculations will be applied to assess the level of honors, if any.

HONORS DAY - ACADEMIC 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, selection to the Honor Society of Phi Kappa Phi and other honor societies, 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 college or from business organizations.

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.

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 by the Honors Committee from these nominations. These awards will be presented 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 through the Honors Committee.

UNIVERSITY PROGRAMS AND COURSES

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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
Interdisciplinary study course(s)	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 25 hours, generally five courses, most of which are upper-division.

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

The remaining 18 hours to meet the required 190 total hours will be electives approved by the advisor.

The following concentration areas are available:

AMERICAN STUDIES

Requirements for this concentration include 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

chosen from among those cross-listed with American Studies

BUSINESS

The courses required for the business concentration should be selected in consultation with a faculty advisor to provide a representative understanding of the basics of business. Courses will include ACC 260—Survey of Accounting and any other four courses selected from the following: LST 252 or any 300 or 400 level business course for which prerequisites have been satisfied.

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 10 hours from the other.

ANT 351—World Archaeology
 ANT 353—Cultural Anthropology
 ANT/CA/ENG 5472—Sociolinguistics
 ANT 582—Comparative Social Structures
 SOC 352—Urban Sociology
 SOC 356—Self and Society
 SOC 452—Community Organization
 SOC 455—Sociology of Religion
 SOC 460—Social Stratification
 SOC 475—Organizations
 SOC 480—Sociology of the Family
 GGY 357—Cultural Geography

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

INDUSTRIAL MANAGEMENT

Scheduling of the following courses must be approved in advance by the Chair of Industrial Technology

- IM 351—Introduction to Industrial Management
- IM 352—Applied Industrial Statistics
- IM 471—Industrial Supervision
- MFG 350—Ind. Proc. and Materials
- IM 454—Quality Assurance

INTERNATIONAL STUDIES

International Studies 350, Global Issues, International Studies 360, Contemporary World Cultures, and three other courses with significant international dimension from three different disciplines. The three elective courses must be selected from the list of courses approved by the International Studies Committee. Copies of the list of approved courses are available at the Center for International Studies.

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 Coordinator:

- 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 4452—History of the English Language
- ENG 4453—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 5472—Sociolinguistics

PRINTING MANAGEMENT

PM 250 Graphic Arts I and 20 additional hours selected from the following and approved by the

- Chair of Industrial Technology:
- PM 332—Printing Inks and Substrates
- PM 335—Law and Ethics of Printing Industry
- PM 350—Image Preparation I
- PM 365—Image Preparation II
- PM 432—Printing Production
- PM 452—Graphic Arts Technology III
- 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 467—Major Themes in Western Religious History
- ENG/RS 5405—The Bible as Literature
- RS/PHI 553—Philosophy of Religion

SOUTHERN STUDIES

Within the interdisciplinary concentration students may select no more than 10 hours in any discipline.

- ANT 456—Georgia Archeology
- ANT 457—The Rural South
- ANT 461—Indians of the Southeastern U.S.
- ENG 5462—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 5420—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

INDIVIDUAL EMPHASIS

Student must submit a proposed plan including justification of the plan. The plan must be presented to the Bachelor of General Studies advisor and appropriate department chairs for approval. If the plan is acceptable, all involved must sign the plan indicating approval.

Emphasis must comprise twenty-five hours of upper level (300 or above) courses. Pre-requisites and 100 and 200 level courses will not count in the twenty-five hours.

ENRICHMENT PROGRAM

F. Richter, Director

Georgia Southern University regularly provides a generous range of culturally enriching extra class-room 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 prerequisites.

ENRICHMENT PROGRAM CURRICULUM

EP 121A,B,C

EP 221A,B,C—ENRICHMENT PROGRAM.

A combined activity/seminar course designed to engage students in a broad range of extra class-room 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 available 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 academic disciplines. Classes are informal, emphasizing discussion and independent endeavor. These characteristics are particularly prominent in the Freshman and Sophomore Honors Seminars, meeting weekly for discussion of problems-oriented reading. The Honors Colloquia, 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 members, representing all major units of the university, 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 consideration. 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 information 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 30460-8036
(912) 681-5773

Except in highly unusual circumstances, no applications can be accepted later than March 1.

THE BELL HONORS PROGRAM CURRICULUM

AREA I—Humanities and Fine Arts

HON 151, 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 or *161-162

Chemistry 171-172

Chemistry 181-182

Geology 151-152

Physics 251-252

Physics 261-262

* *BIO 161 and 162 sequence is open only to biology majors.*

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 seminars, 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 selected from the list of courses approved by the International Studies Committee. Copies of the list of approved courses are available at the Center for International Studies.

For further information please contact:

Professor Zia H. Hashmi, Director
Center for International Studies
L.B. 8106

Georgia Southern University
Statesboro, GA 30460-8106

INTERNATIONAL STUDIES CURRICULUM

IS 230—INTRODUCTION TO INTERNATIONAL STUDIES

An introduction to the analysis of current world affairs. Selected global issues (such as environmental problems, human rights, population, development, regional conflicts, etc.) provide the framework for an examination of how cultural differences cause policy-makers to treat critical issues in different ways around the world.

IS 350—GLOBAL ISSUES

A study of selected global issues and problems facing all nations, peoples, and states.

IS 360—CONTEMPORARY WORLD CULTURES

A survey and analysis of contemporary world cultures.

IS 399—SELECTED TOPICS IN INTERNATIONAL STUDIES

IS 450—SEMINAR IN INTERNATIONAL STUDIES

An advanced course focusing on major themes and issues in international relations.

IS 491—INTERNSHIP ABROAD

Provides practical experience abroad. Students are selected by a departmental process.

Prerequisite: Permission of the appropriate department chair.

FRESHMAN SEMINAR COURSE

GSU 120—FRESHMAN SEMINAR: INTRODUCTION TO COLLEGE

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 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.

LEARNING SKILLS COURSE

GSU 220—METHODS OF LEARNING

This course is designed to promote academic success. Topics include test taking, note taking, improving memory, time management, and other useful learning skills. This course is designed to help students with their other courses. Course is open only to students with fewer than 90 hours except by referral of the Admissions Committee. This course is required of all freshmen with an adjusted grade point average of 1.5 or below unless they have already passed the course with a "C" or better.*

* 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 pro-

grams in a variety of disciplines. Each program is administered by the Dean of the appropriate College. Current programs include:

Doing Business in the European Community, College of Business Administration

Education in Scotland, Early Childhood Education

Georgia Southern at Oxford, Departments of History, Early Childhood Education & Reading, and Middle Grades & Secondary Education

German Studies in Erlangen, Germany, Department of Foreign Languages

GSU in Segovia, Spain, Department of Foreign Language

Summer Studies Abroad in Costa Rica, Department of Foreign Languages

Summer Study Abroad in Mexico, Department of Art

Summer Study in Saumur, France, Department of Foreign Languages

The Office of International Services and Programs 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. Summer study abroad programs were offered in Europe, Canada, Mexico, and the Pacific region.

The University System 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 System programs.

Information on Georgia Southern study abroad programs, on programs coordinated by the Office of International Services and Programs, and on numerous programs offered worldwide is available at the Center for International Studies.

For further information, contact Dr. Zia H. Hashmi, Director of the Center for International Studies and campus coordinator for System programs, Georgia Southern University, L.B. 8106, Statesboro, GA 30460-8106.

ISP 295--INTERNATIONAL INTERCULTURAL STUDIES ABROAD

Introductory language and/or civilization abroad. Designed primarily for freshmen and sophomores, or those at the initial stages of a foreign language. An internship may be a com-

ponent of the course. Credit varies up to 15 quarter credit hours per term. Prerequisite: consent of instructor.

ISP 396--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 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 post-graduate 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 multidisciplinary 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, economic, social, and intellectual life of the United States.

WGS/SOC 355—GENDER ROLES

An exploration of the impact of gender identity

upon people in this society, including definition, development, and change of gender roles.

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/PHI 390—FEMINIST PHILOSOPHY

An introduction to the main topics in Feminist Philosophy to include: the adversary method and the 'maleness' of philosophy; dualities of mind/body, male/female, self/other; women's ways of knowing; caring and maternal thinking; and ecofeminism. Feminist philosophy addresses these ideals and assumptions in the western philosophic tradition that have oppressed women and other subordinate groups.

WGS/CA 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.

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/ENG 5420—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.

WGS 399—SELECTED TOPICS IN WOMEN/ GENDER STUDIES

Various subjects depending upon areas of faculty's particular expertise and student interest.

WGS 468—CONTEMPORARY HISPANIC WOMEN WRITERS

A study of literary works by Hispanic women writing after World War II. Issues affecting the changing role of women in Hispanic society will be examined as will each author's personal style and point of view. Prerequisite: SPA 352 plus one additional course at the 300-level or permission of the instructor.

LEARNING SUPPORT

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 Learning Support 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. If results of the placement tests reflect a need for assistance in developing academic skills of those who qualify for admission, students will be enrolled in a portion or in all of the Learning Support curriculum

Learning Support 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 Learning Support courses. The student's first obligation, however, is to satisfy Learning Support requirements, and a student may not accumulate more than thirty (30) hours of degree-credit courses before completing Learning Support requirements.

Students' progress will be assessed periodically, and they may move out of Learning Support courses at the end of any quarter, provided

satisfactory levels of proficiency have been reached. Students must establish proficiency in Learning Support 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 Learning Support students will receive the same consideration and awards as any other student.

Students who are not required to enroll in a Learning Support course may enroll on an audit-basis only. They will be expected to participate in the course and take the tests, but they will not be subject to the Learning Support exit requirements.

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

A Learning Support student who is placed on dismissal for failure to exit Learning Support may apply for readmission as a transfer student after satisfying Learning Support requirements and completing thirty hours of college-level work with a minimum 2.0 grade point average.

DEPARTMENT OF LEARNING SUPPORT

Courses in Learning Support are offered by faculty members in the College of Liberal Arts and Social Sciences and the Allen E. Paulson College of Science and Technology.

C. Ricker, Chair

Associate Professor: L. Arthur, B. Bitter (Emerita), D. Purvis, C. Ricker

Assistant Professors: S. Boddiford, B. Carter, C. Crittenden, K. Ferro, D. Golden, G. Hicks (Emerita), E. James (Emerita), D. Jones (Emerita), V. Kennedy, M. McLaughlin, K. McCullough, B. Nichols, M. Nolen, P. Price, N. Saye, R. Stallworth-Clark, T. Thompson, P. Watkins, R. Wells, N. Wright

Instructors: T. Abbott, K. Albertson, R. Bogan, L. Braselton, D. Brown, J. Cason, N. Dessommes, M. Franklin, B. Freeman, D. Gibson, T. Giles, R. Gooding, A. Hodge, D. Hooley, N. Huffman, L. Keys, S. Lanier,

J. McDougald, M. Mills, C. Nessmith,
J. O'Brien, M. Pate, D. Saye,
G. Shultz (on leave), M. Sikes, D. Stapleton,
J. Taulbee, D. Tuggle, J. Weisenborn, D.
Westcot, P. Whitaker, L. Yocco

Temporary Instructors: C. Brady, J. Darley,
D. Hodges, A. Moore

Part-time Instructors: E. DeLoach, K. Harwood,
B. Warchol

**RDG 090—REGENTS' TEST INTENSIVE
READING SURVEY**

Designed to prepare students for the reading section of the Regents' Test, classes are structured so as to offer intensive work in the reading 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. Institutional 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 comprehension 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 examination. 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 emphasizes 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 examination. Institutional credit only, 5-20 hours.

MAT 095—ALGEBRAIC CONCEPTS

This course is designed for students who are not required to enroll in Learning Support 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, radicals, 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 the CPE. 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 demonstrate 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 examination. Institutional credit only, 5-20 hours.

**COLLEGE OF LIBERAL ARTS
AND SOCIAL SCIENCES**

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ORGANIZATION AND OBJECTIVES

The College of Liberal Arts and Social Sciences contains nine departments as follows: Art, Communication Arts, English and Philosophy, Foreign Languages, History, Music, Political Science, Psychology and Sociology and Anthropology. Numerous majors are available to students enrolling in the College of Liberal Arts and Social Sciences—anthropology, art, communication arts, justice studies, economics, English, French, German, history, journalism, music, political science, psychology, sociology, and Spanish. Minors are available in all fields that have Bachelor of Arts majors and also in journalism, library science, philosophy, writing, and the interdisciplinary fields of African and African American studies, American studies, comparative literature, international studies, Latin American studies, linguistics, religious studies and women's and gender 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 Liberal Arts and Social 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, fine arts, 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 Liberal Arts and Social 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 justice studies 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 arts education and prepares students for advanced study in the various liberal arts fields and for entrance into 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. Students interested in pursuing an MBA degree should contact the Office of Graduate Studies in the College of Business Administration.

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.

***Please note that certain minors may be used only as second minors within the Bachelor of Arts degree (See minors).*

Departments may establish additional grade requirements, and these are listed under the specific requirements for each major. A mini-

num 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 degree 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. 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, comparative literature, computer science, geography, international studies, journalism, Latin American studies, library science, linguistics, philosophy, religious studies, and women's and gender 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. (Students completing other degrees in the College of Liberal Arts and Social Sciences may select any minor from this list as an optional minor.)

GENERAL EDUCATION REQUIREMENTS

- Core Curriculum, Areas I, II, III. 60 hours
- Health (3 hours) and
- Physical Education (4 hours) 7 hours

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
- Biology 151,152
- Economics 250, 251, 260;
- Geography 250; Geology 151-152;
- History 152, 153, 252, 253; Statistics 255, 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.
- Senior Exhibition

FINE ARTS

- Area IV 30 hours
- Art 151, 152, 250, 252.
- Ten hours lower division art electives

Specific Requirements:

- Intermediate Studio 30 hours
- Art History: 20 hours

Concentration 20 hours
 Electives Outside Art 23 hours

COMMUNICATION ARTS

Area IV 30 hours

Foreign Language 10 hours

CAS 252—Introduction to Human

Communication

CA 250—Introduction to Mass Communication

Five hours from:

CA 254—Voice and Phonetics

CAJ 252—Introduction to Journalistic Writing

CAT 251—Stagecraft

Five hours from:

CAF 256—Introduction to Film

CAT 257—Introduction to Theatre

Major Requirements 45 hours

CA 210—Communication Convocation

CAS 251—Fundamentals of Public Speaking

Four hours from Performing Arts/Applied

Media:

CAT 347—Acting II

CAS 341—Oral Interpretation

CAS 438—Reader's Theatre

CAT 565—Puppetry

CAS 344—Advanced Public Speaking

CAB 347—Radio Production

CAB 444—Television Production

Four hours from Applied Writing Courses:

CAP 340—Introduction to Public Relations

CAP 342—Public Relations Communication

Programming

CAJ 445—Feature Writing

CAB CAJ 447—Radio Television Script Writing

CAT 557—Playwriting

CAB CAJ 446—Radio Television News &

Interviewing

CAJ 443—Subjective Journalism

CAJ 343—News Reporting and Writing

Four hours from History/Law

CAJ 346—History of Journalism

CAT 342—History of Theatre I

CAT 343—History of Theatre II

CAB CAJ 345--Law & Ethics of Mass

Communication

CAS 449—Philosophy in Communication

CAF 352—History of American Cinema

Four hours from Theory:

CA 440—Theories of Mass Communication

CAS 442—Theories of Small Group

Communication

CAS 443—Semantics

CAS 444—Communication Theory

Four hours from Interpretive and Research Skills

CAP 445—Public Relations Research

CAS 348—Rhetorical Criticism

CAT 341—Script Analysis

CA 349—Media Criticism

CAB 369—Politics and the Media

Twenty-four hours Upper Division Communica-

tion Arts Electives approved by advisor

General Electives 25 hours

Minor 20 hours

Twenty-four hours in Communication Arts from upper-division offerings approved by advisor.

General Electives 25 hours

Minor 20 hours

In addition to these requirements, students pursuing the Bachelor of Arts degree with a major in Communication Arts must have a grade of "C" or better in all Communication Arts courses.

Transfer admission to the B.A. in Communication Arts requires an adjusted grade point average of 2.35 or better in all course work done at Georgia Southern University or elsewhere.

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

Foreign Language 10 hours

Economics 250 and 251 10 hours

Computer Science 256* 5 hours

Five hours from:

- Anthropology 150; Geography 250;
- History 252 or 253; Philosophy 150;
- Psychology 150; Sociology 150;

Specific Requirements:

- Economics 352
- Economics 356
- Economics 359
- Economics 451
- Economics 458
- 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 3451 and 3452—English Literature English 3461 or 3462—American Literature
- Twenty-eight hours in English from upper-division offerings exclusive of English 330
- Foreign Language
- A minimum of 20 hours in a second or minor field.

No courses taken by correspondence or extension may be applied toward a major in English. Each major in English will be responsible for acquiring from his advisor 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 upper-division English. A major who must repeat the same course more than twice to receive a grade of "C" will no longer be considered a major.

The English major must satisfactorily complete 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 4431 (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; 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 maximum of ten hours of study abroad may count toward the major. A grade of "C" or above must be made in every French course in the major.

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 5-20 hours
Anthropology 150; Economics 250, 251, or 260; Geography 250; Psychology 150;
Anthropology 150; Sociology 150 15 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 non-western history required.

*A grade of "C" or above must be made in every history course in the major.

MUSIC

Area IV 30 hours
Applied Music 6 hours
Major Ensemble 6 hours
Music Theory 18 hours
Musicianship
MUS 120—Practical Technology in Music 2 hours
MUS 127 a, b, c—Sight Singing/
Ear Training 6 hours
MUS 131—Fundamentals 3 hours
MUS 132 a, b—Theory I 6 hours
MUS 227 a, b, c—Sight Singing/
Ear Training 6 hours
MUS 231 a, b, c—Theory II 9 hours
MUS 338—History of Music I* 3 hours
MUS 339—History of Music II* 3 hours
MUS 340—History of Music III* 4 hours
MUS 358—Analytical Techniques 5 hours
Musical Performance
MUA—Applied Music 12 hours
MUE—Large Ensemble 16 hours
MUS 116 a,b,c—Class Piano 3 hours
MUS 216 a,b,c—Class Piano 3 hours
or MUS 126 a,b,c—Class Piano 6 hours

MUE 190—Recital Attendance (9 quarters) 0 hours
General Studies
Core Curriculum* 60 hours
Health and Physical Education 7 hours
Foreign Language 10-20 hours (dependent upon a student's prior experience)
Minor Area (non-music) 20 hours
Free Electives 10 hours

*MUS 152 *Introduction to Music* is a prerequisite to the Music History courses; it may also serve as an elective in Area I of the Core Curriculum.

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. (Sequential courses are generally identified by a,b,c following the course number.) 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.

Music Department policies which govern the Bachelor of Music degree also apply to the Bachelor of Arts degree in music. For additional information, see the appropriate section of this catalogue and the Department of Music *Handbook* for additional policies governing degree programs in music.

PHILOSOPHY

Area IV 30 hours
Foreign Language 10-20 hours

Specific Requirements:

Philosophy 150—Survey of Philosophy;
Philosophy 350—Elementary Logic or
Philosophy 355—Symbolic Logic;
Philosophy 352—Great Moral Philosophers or
Philosophy 354—Aesthetics or
Philosophy 356—Contemporary Moral Problems;
Philosophy 450—Great Thinkers of the West I;
Philosophy 451—Great Thinkers of the West II.
An additional 20 hours of philosophy at the 300- or 400-level. A minimum of 20 hours in a second or minor field.

No courses taken by correspondence or extension may be applied toward a major in philosophy. The philosophy major must have a "C" or above in each of the required courses in philoso-

phy upper-division. A major who must repeat the same philosophy course more than twice to receive a grade of "C" will no longer be considered a major.

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
 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 seminar
 course in political science from upper-division
 offerings approved by advisor.

PSYCHOLOGY

Area IV 30 hours
 Psychology 150 5 hours
 Psychology 280 5 hours
 Foreign Language 10-20 hours
 Anthropology 150; Justice Studies 251;
 Economics 250, 251, 260; History
 252, 253; Statistics 255;
 Philosophy 150; Psychology 284;
 Sociology 150 0-10 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
 Psychology
 Psychology 562—History and Systems of
 Psychology
 At least one of the following courses in develop-
 mental/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 psychol-
 ogy 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 require-
 ment.

SOCIOLOGY

Area IV 30 hours
 Sociology 150* 5 hours
 Foreign Language 0-10 hours
 Anthropology 150; Economics 250, 251 or 260;
 Geography 250; History 152, 153, 252, 253;
 Philosophy 150; Psychology 150;
 Sociology 270,
 Statistics 255, 256 15-25 hours

Specific Requirements:

Foreign Language
 Statistics 255—Statistics Using the Computer
 Sociology 150—Introduction to Sociology*
 Sociology 380—Sociological Theory
 Sociology 381—Methods of Social Research
 Thirty-five additional 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.*

SPANISH

Area IV 30 hours
 Spanish 10-20 hours
 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 transla-
 tion. A grade of "C" or above must be made in
 every Spanish course in the major.

THEATRE

The Bachelor of Arts degree is designed for
 those students preparing to enter the theatre arts
 profession in the areas of acting, directing, de-
 sign or production. The Bachelor of Arts degree
 in theatre is also an appropriate course of study

for students wishing to enter a graduate program in drama or drama education.

Area IV 30 hours

Foreign Language 10 hours

CA 250—Introduction to Mass Communication

CA 252—Introduction to Human Communication

Five hours from:

CA 254—Voice and Phonetics

CAT 251—Stagecraft

CAF 256—Film

CAT 257—Theatre

Five hours from:

CAF 256—Introduction to Film

CAT 257—Introduction to Theatre

Specific Requirements

CAT 255—Acting I

CAT 341—Script Analysis

CAT 442, 443, 444—Design

CAT 410, 411, 412, 413—Practica

CAT 346—Play Directing

CA 210—Convocation

CAT 344—Theatre History I

CAT 345—Theatre History II

Fifteen hours from:

CAT 347, CAT 121, CAT 334, CAT 491,

CAT 443, CAT 340, CAT 442, CAT 444,

CAT 356, CAT 319,

CAT 557, CAT 358, CAT 565, CAT 493,

CAT 494, CAT 495

Fifteen hours of upper-division electives in Communication Arts courses other than theatre--particularly recommended courses are:

CAS 341, CAF 256, CAF 350,

CAB/CAT 426, CAS 444, CAP 440,

CAB 444, CAB 422

or department elective approved by advisor.

Additional requirements: (Minor in English with these required courses)

ENG 4461—Drama to Ibsen

ENG 4410—Shakespeare: Comedies and Histories

ENG 4411—Shakespeare: Tragedies

ENG 5403—Modern Drama

ENG 444—Drama in Performance

In addition to these requirements, students pursuing the Bachelor of Arts degree with a major in Theatre must have a grade of "C" or better in all Communication Arts courses. Transfer admission to the Theatre major Theatre requires an adjusted grade point average of 2.35 or better in all course work regardless of whether it was taken at Georgia Southern University or elsewhere.

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

Core Curriculum, Areas I, II, III 60 hours

Health (3 hours) and Physical Education (4 hours) 7 hours

SPECIFIC REQUIREMENTS

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

Thirty hours of studio courses to be approved by advisor.

ART 280 and 281

Ten hours of upper division Art History.

Twenty hours of studio art concentration approved by advisor and 23 hours of electives chosen from offerings outside the Art

Department.

Senior Exhibition

BACHELOR OF MUSIC DEGREE

A student in the Bachelor of Music degree program may choose a major from the following: Composition, Music Education, Performance. Optional programs of study for the performance major include Elective Studies in Business or Emphasis in Jazz Performance. 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. For further information refer to the Music Section under the "College of Liberal Arts and Sciences Courses." See the Department of Music *Handbook* for additional policies governing degree programs in music.

GENERAL EDUCATION REQUIREMENTS

Core Curriculum, Areas I, II, III

Health & physical education 7 hrs

SPECIFIC REQUIREMENTS

Area IV of the core curriculum is common to all majors in performance and 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 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: 92 credit hours.

Music Technology

MUS 120—Technology in Music 2 hours

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, regardless the degree major.)

Music Theory

MUS 127 a,b,c—Sight-Singing and

Ear Training 6 hours

MUS 131—Fundamentals 3 hours

MUS 132 a,b—Theory I 6 hours

MUS227 a,b,c—Sight-Singing and

Ear Training 6 hours

MUS 231 a,b,c—Theory II 9 hours

MUS 358—Analytical Techniques 5 hours

Music History

MUS 152—Introduction to Music* 5 hours

MUS 338—History of Music I 3 hours

MUS 339—History of Music II 3 hours

MUS 340—History of Music II 4 hours

Class Piano

MUS 116a,b,c—Class Piano 3 hours

MUS 216a,b,c—Class Piano 3 hours

or

MUS 126a,b,c—Class Piano 6 hours

(For keyboard primaries in lieu of MUS 116

a,b,c and 216 a,b,c)

Recital Attendance 0 hours

(Student must complete 9 quarters)

**May be used in Area I of the core curriculum*

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.

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	21 hours
MUS 117 a,b—Composition Class	
MUS 228 a,b,c—Composition	
MUS 328 a,b,c—Intermediate Composition	
MUS 428 a,b,c—Advanced Composition	
MUA 401—Senior Recital Preparation	
Large Ensemble	2 hours
Music Theory	15 hours
MUS 464—Electronic/Digital Music I	
MUS 356—Counterpoint	
MUS 357—Instrumentation	
Music History/Literature	5 hours
Any 500-level music history/literature course	
Conducting	2 hours
MUS 420—Basic Conducting	
Free Electives	10 hours

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	

CHORAL SEQUENCE**Specific Additional Requirements:**

Performance	0 credit hours
Techniques and Conducting	10-11 hours
MUA 291—Recital	
MUS 111 a—Brass Class	
MUS 112 a—Percussion Class	
MUS 113 a, b—String Class	
MUS 114—Voice Class (for keyboard primaries)	
MUS 115 a—Woodwind Class	
MUS 461—Choral Conducting & Literature	
Music Education	5 hours
MUS 451—Music in the Elementary School	

INSTRUMENTAL SEQUENCE Specific

Additional Requirements: Performance	0 credit hours
MUA 291—Recital	
Music Theory	5 hours
MUS 357—Instrumentation	
Techniques and Conducting	14 hours
MUS 111 a, b—Brass Class	
MUS 112 a, b—Percussion Class	
(Percussionists may satisfy this requirement with additional hours in applied music.)	
MUS 113 a, b—String Class	
MUS 114—Voice Class	
MUS 115 a, b—Woodwind Class	
MUS 462—Instrumental Conducting & Literature	
Music Education	5 hours
MUS 451—Music in the Elementary School	

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	
Instrumental Pedagogy	1 hour
Large Ensemble	2 hours
Small Ensemble	3 hours
Music Literature	5 hours
MUS 454—Symphonic Literature	
Conducting	2 hours
MUS 420—Basic Conducting	
Any combination of upper-division music theory and music history/literature courses (minimum 5 hours in each area)	15 hours
Free Electives	10 hours

PERFORMANCE: 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	
MUA 301—Junior Recital Preparation	
MUA 401—Senior Recital Preparation	

Large Ensemble	2 hours
Piano Pedagogy	2 hours
MUS 229 a—Piano Pedagogy I	
Piano Literature	6 hours
MUS 520 a,b,c—Piano Literature	
Conducting	2 hours
MUS 420—Basic Conducting	
Any combination of upper-division music theory and music history/literature courses (minimum 5 hours in each area)	15 hours
Free Electives	10 hours

PERFORMANCE: VOICE

This major is recommended for students who plan to work in the professional vocal fields including college and/or private voice teaching, concert singing, opera, radio and television, or who intend to pursue an advanced degree in performance or 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
Small Ensemble	6 hours
Pedagogy and Diction	6 hours
MUS 443—Vocal Pedagogy	
MUS 221—Diction for Singers	
Vocal Literature	4 hours
MUS 324—Vocal Literature: Italian/French	
MUS 326—Vocal Literature: English/German	
Conducting	2 hours
MUS 420—Basic Conducting	
Any upper-division music theory/music history/literature course	5 hours
Free Electives	10 hours
Foreign Language	10 hours

PERFORMANCE: 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	
Instrumental Pedagogy (instrumentalists only)	1 hour
Large Ensemble	2 hours
Music Theory	5 hours
MUS 464—Electronic/Digital Music I	
Conducting	2 hours

MUS 420—Basic Conducting	
Free Electives	10 hours
Business Courses	15 hours
ACC 260—Survey of Accounting	
MKT 350—Principles of Marketing	
MGT 351—Principles of Management	
Additional requirements	
Keyboard Primaries only:	
Pedagogy and Literature	8 hours
MUS 229 a—Piano Pedagogy I	
MUS 520 a, b, c—Piano Literature	
Voice Primaries only:	
Foreign Language	10 hours

PERFORMANCE: INSTRUMENTAL OR KEYBOARD: EMPHASIS IN JAZZ PERFORMANCE

This optional emphasis is recommended for students who plan to play jazz or commercial music professionally and for 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	
Instrumental Pedagogy (Instrumentalists only)	1 hour
Large Ensemble	2 hours
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	
Conducting	2 hours
MUS 420—Basic Conducting	
Jazz Improvisation	8 hours
MUS 220 a,b,c—Jazz Improvisation	
MUS 325 a—Advanced Jazz Improvisation	
Additional requirements	
Piano Pedagogy and Literature (Keyboard primaries only)	8 hours
MUS 229 a—Piano Pedagogy I	
MUS 520 a,b,c—Piano Literature	

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 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

Core Curriculum, Areas I, II and III.

Health (3 hours) and

Physical Education(4 hours) 7 hours

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 courses under specific requirements may be used in the core curriculum, especially in Area IV.)

BROADCASTING

The Bachelor of Science degree with a major in Broadcasting is a generalists program that provides an introduction to and overview of the various areas of specialization within the broadcasting field. Through theoretical and practical study, research, and laboratory experience, students learn about commercial and corporate production, graphics, news and engineering. Graduates are prepared with entry-level skills for potential careers in commercial broadcasting as well as for positions in institutional media.

Broadcasting majors are required to complete an internship for their degree at an approved site. Intern applicants apply two quarters prior to the expected quarter of placement and must have completed all required courses.

Area IV	30 hours
Foreign Language	5-10 hours
CA 250	5 hours
CA 252	5 hours
CA 254	5 hours
ART 253, CAF 256, or CAT 257	0-5 hours
Specific Requirements	60 hours
CA 210	1 hour
CA 440 or CAS 444	4 hours
CA Upper Level Elective	3 hours
MKT 351	5 hours
CAB 340	4 hours
CAB 347	4 hours
CAB 444	4 hours
CAB 446	4 hours
CAB Elective	4 hours
CAB/CAJ 345	4 hours
CAB 445 or 448	4 hours
CAB 493, 494, 495	15 hours
Related Area	10 hours

From one of the following areas: Psy., Soc., Pol. Sci., Edu., Business, or CA other than CAB.

General Electives

23 hours
In addition to the requirements listed above, students pursuing a Broadcasting Major must have a grade of “C” or better in all Communication Arts courses. Transfer admission to the Broadcasting Major requires an adjusted grade point average of 2.35 regardless of whether work was taken at Georgia Southern or elsewhere.

JOURNALISM

The Journalism major, strongly based in the Liberal Arts, provides students with a theoretical and practical understanding of the print media.

The program emphasizes the news gathering and writing processes, as well as the traditional and contemporary roles of the press in American society.

Area IV	30 hours
Foreign Language 153	5 hours
History 152, 153, 252, or 253	10 hours
CAJ 252	5 hours
CA 250	5 hours
CA 252	5 hours

Specific Requirements:

ENG 120—Grammar and Punctuation Review
CAJ 346—History of Journalism
CAJ 343—News Reporting and Writing
CAJ 344—Copy Editing
CAJ/CAB 345—Law and Ethics of Mass

Communications

CAJ 442—Advanced Reporting

CAJ 445—Feature Writing

Additional 16 hours of upper-division Communication Arts courses approved by advisor (at least 12 hours must be in Journalism) PSC 350
Ten upper division hours from each of two academic areas in Liberal Arts and Sciences other than Journalism.

In addition to these requirements, students pursuing the Bachelor of Science degree with a major in Journalism must have a grade of "C" or better in all Communication Arts courses.

Transfer admission to the Journalism major requires an adjusted grade point average of 2.35 or better in all course work regardless of whether it was taken at Georgia Southern University or elsewhere.

POLITICAL SCIENCE

Area IV	30 hours
Foreign Language	5-10 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

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 280	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 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 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.

PUBLIC RELATIONS

Public relations is the management of communication between organizations and their various constituencies. Merging the theoretical and the practical, this program incorporates public relations as well as business, journalism, speech, and broadcasting courses to prepare students for a wide range of career opportunities and public relations practices. Public relations majors are required to intern at an approved site. To intern, students must file an application at least two quarters prior to the expected quarter of intern-

ship. All applicants must have an adjusted 2.35 GPA and must have completed all applicable public relations courses.

Area IV	30 hours
Foreign Language 153	5 hours
CAS 251	5 hours
CA 252	5 hours
CAJ 252	5 hours
CA 250	5 hours
PM 250 or ART 258 or CIS 251	5 hours

Specific Requirements:

- CAP 340—Introduction to Public Relations
- CAP 342—Public Relations Communications Programming
- CAP 440—Public Relations Campaign Strategies
- CAP 445—Public Relations Research
- CAP 493, 494, 495—Public Relations Internship
- CA 210—Convocation
- CAJ 343—News Reporting & Writing
- CAB 347/444—Radio/TV Production
- MKT 350—Principles of Marketing
- MKT 351—Principles of Advertising

In addition to these requirements, students pursuing the Bachelor of Science degree with a major in Public Relations must have a grade of “C” or better in all Communication Arts courses. Transfer admission to the Public Relation major requires an adjusted grade point average of 2.35 or better in all course work regardless of whether it was taken at Georgia Southern University or elsewhere.

SOCIOLOGY

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
Anthropology 150; Economics 250, 251, 260; Geography 250; Philosophy 150; Psychology 150; Sociology 270, Sociology 280; Statistics 255, Statistics 256	20-25 hours

Specific Requirements:

- Foreign Language
- Statistics 255—Statistics Using the Computer
- Sociology 150—Introduction to Sociology*
- Sociology 270—Introduction to Social Welfare**

- Sociology 280—Introduction to Social Work**
- Sociology 380—Sociological Theory (Social Work emphasis may substitute Sociology 370.)
- Sociology 381—Methods of Social Research
- SOC 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.*

***Social Work emphasis only.*

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

SPEECH COMMUNICATION

The Speech Communication major is grounded in the liberal arts tradition and provides students the theoretical and practical knowledge necessary to succeed in communication-related professions. The program emphasizes Speech Communication and at the same time requires students to take their choice of additional upper-division classes in Journalism, Broadcasting, Public Relations, and/or Theater, thus providing a well-rounded communication education.

Students pursuing the Bachelor of Science degree in Speech Communication are also required to complete an internship at or near the end of their program of study. Speech Communication internships must be officially approved and are individually coordinated to meet student interest and career plans.

Area IV	30 hours
Foreign Language	5 hours
CAS 251-Fundamentals of Public Speaking	
CA 254-Voice and Phonetics	
CA 252-Introduction to Human Communication	
CA 250-Introduction to Mass Communication	
Five hours from:	
CAF 256-Introduction to Cinema	
CAT 257-Introduction to Theatre	

Major Requirements	52 hours
Requirements	25 hours
CAS 210-Communication Convocation	
CAS 341-Oral Interpretation	
CAS 342-Discussion	
CAS 346-Interpersonal Communication	
CAS 348-Rhetorical Criticism	
CAS 443-Semantics	
CAS 444-Communication Theory	
Upper Division	12 hours
CAS 323-Parliamentary Procedure	
CAS 343-Argumentation	
CAS 344-Advanced Public Speaking	
CAS 345-Persuasion	
CAS 349-Communication and Gender	
CAS 399-Selected Topics-Speech*	
CAS 438-Readers Theatre	
CAS 441-Communication and Conflict	
CAS 442-Theories of Small Group Communication	
CAS 445-Political Communication	
CAS 447-Rhetoric of Social Movements	
CAS 448-Organizational Communication	
CAS 449-Philosophies of Communication	
CAS 491-Individual Problems*	
CAS 551-Descriptive Linguistics	
CAS 599-Selected Topics in Speech Theatre	
Internships	15 hours
CAS 492-Internship I	
CAS 494-Internship II	
CAS 495-Internship III	
Sixteen hours Upper Division Communication	
Arts Electives (other than courses labelled "CAS") approved by advisor	
General Elective.....	25 hours
Courses marked with an "*" may be taken for a maximum of five hours	

In addition to these requirements, students pursuing the Bachelor of Science degree with a major in Speech Communication must have a grade of "C" or better in all Communication Arts courses. Transfer admission to the B.S. with a major in Speech Communication requires an adjusted grade point average of 2.35 or better in all course work regardless of whether it was taken at Georgia Southern University or elsewhere.

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

Core Curriculum, Areas I, II and III.

Health (3 hours) and

Physical Education (4 hours)..... 7 hours

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 253	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
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 367—Advanced Criminal Investigation	
Justice Studies 453—Offender Counseling and	

Support

Justice Studies 461—Seminar

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 I

Five hours from:

Political Science 363—Scope and Methods in Political Science

Sociology 381—Methods of Social Research

*If the student opts not to take internship (JS 491, 492, 493), he/she must take any two upper-division Justice Studies courses with consent of advisor.

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

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 Professor Rebecca Davis, Department of Political Science, and Dr. Ruth Ann Thompson, Department of History. 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.

COURSE DESCRIPTIONS**COLLEGE OF LIBERAL ARTS AND SOCIAL SCIENCES**

Dr. Roosevelt Newson, 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 465—PEOPLES AND CULTURES OF AFRICA

See ANT 465 for course description.

AAS/ART 483—AFRICAN ART AND CULTURE

See ART 483 for course description.

AAS/ART 484—AFRICAN AMERICAN ART
See ART 484 for course description.

AAS/CAT 356—AFRICAN AMERICAN THEATRE

See CAT 356 for course description.

AAS/ENG 3463—AFRICAN AMERICAN LITERATURE

See ENG 3463 for course description.

AAS/ENG 5410—IMAGES IN AFRICAN-AMERICAN LITERATURE

See ENG 5410 for course description.

**AAS/FRE 355—NON-EUROPEAN
FRANCOPHONE LITERATURE**

See FRE 355 for course description.

**AAS/HIS/AS 352—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 3450—THE AMERICAN DREAM

See ENG 3450 for course description.

AS/ENG 3461—AMERICAN LITERATURE

See ENG 3461 for course description.

AS/ENG 3462—AMERICAN LITERATURE

See ENG 3462 for course description.

AS/ENG 5461—THE AMERICAN NOVEL

See ENG 5461 for course description.

AS/ENG 5462—SOUTHERN LITERATURE

See ENG 5462 for course description.

**AS/ENG 5463—COLONIAL AMERICAN
LITERATURE**

See ENG 5463 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 description.

AS/HIS 380—AMERICAN SOCIETY AND THOUGHT

See HIS 380 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 356 for course description.

AS/PSC 368—AMERICAN POLITICAL THOUGHT

See PSC 368 for course description.

AS/PSC 381—THE UNITED STATES AND MAJOR PROBLEM AREAS:**GEOGRAPHICAL AND FUNCTIONAL**

See PSC 381 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), S. Moore, R. Persico

Associate Professors: A. Goke-Pariola,

N. Shumaker

Assistant Professors: S. Hale, B. Hendry,

W. Young

ANT 150—INTRODUCTION TO ANTHROPOLOGY

An overview of general anthropology including its major subdisciplines: 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 the instructor.

ANT 399—SELECTED TOPICS IN ANTHROPOLOGY**ANT/AS 453—NORTH AMERICAN ARCHAEOLOGY**

An introductory course on the archaeology of North America. Concentrates on the archaeology of

of native Americans, with emphasis on the southeastern United States. Prerequisite:

ANT 454—ARCHAEOLOGY OF THE SOUTHEASTERN UNITED STATES

An overview of the prehistoric cultures of the Southeastern U.S., including their patterns of subsistence, economy, social and political organization, art, and architecture. The relationship between culture and environment in producing culture change will be emphasized. Prerequisite: ANT 150 or permission of the instructor.

ANT/AS 455—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 the 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 the 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 distinctions 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—FOLK LIFE

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/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 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 476—PEOPLES AND CULTURES OF MODERN EUROPE

An examination of differences and similarities among European peoples and the effects of social, political, and economic changes from an anthropological perspective. It also examines the principal anthropological methods and theories used in the study of European culture systems.

ANT 477—PEOPLES AND CULTURES OF THE MIDDLE EAST

An ethnological examination of the lifeways of

diverse peoples of the Middle East. Topics include the family, economy, politics, and religion of Middle Easterners as parts of their culture system.

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. Prerequisite: 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 5472—SOCIOLINGUISTICS
See ENG 5472 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—ANTHROPOLOGICAL THEORY

The study of the major theories of culture: evolu-

tionary approach, culture area, historical analysis, functionalism, role structures and comparative methods. Prerequisite: Anthropology 150.

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. Gernant (Emerita), J. Olson (Emeritus),

R. Remley (Emerita), T. Steadman, R. Tichich

Associate Professors: J. Hines,

J. Rhoades Hudak, H. Iler, J. Pleak,

B. Little, R. Sonnema

Assistant Professors: O. Onyile, P. Walker

Temporary Assistant Professors: G. Carter,

P. Carter, M. Cochran, M. Obershan,

I. Sandkühler

Temporary Instructor: J. McGuire

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 151 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 three dimensional space and form, involving a study of concepts, materials and processes.

ART 254—PRINTMAKING I

Introductory study of printmaking in the processes of serigraphy, relief, intaglio and planography. Prerequisites: 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 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 350—PAINTING II

An advanced exploration 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 of teaching visual art in secondary schools. Focuses on the teaching of

art production, art history, art criticism and aesthetics.

ART 380—ANCIENT ART

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

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

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. Prerequisites: ART 280 and ART 281 or consent of instructor.

ART 385—TWENTIETH-CENTURY ART

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 450—ADVANCED PAINTING

Advanced problems in painting. Prerequisite:

ART 350 or permission of instructor.

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/AAS 483—AFRICAN ART AND CULTURE

This course explores the major art forms and cultural groups of the African continent with

special emphasis on the link between art and ritual. Students will examine issues raised by traditional versus modern styles of African art and culture.

ART/AS/AAS 484—AFRICAN AMERICAN ART

A study of African American art and design from the period of pre-colonial 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

COMMUNICATION ARTS

Courses in Communication, Broadcasting, Film, Journalism, Public Relations, Speech and Theatre are offered by the Department of Communication Arts.

D. Addington, Chair

Professors: D. Addington, M. Shytles (Emeritus)

Associate Professors: G. Dartt, H. Fulmer,

D. Gibson, R. Johnson, P. Pace, R. Smith

Assistant Professors: R. Bohler, P. Bourland,

C. Davis, C. Geyerman, B. Graham,

J. Harbour, K. Murray, P. Pace, V. Rowden,

R. Stotyn, M. Whitaker, J. Williams, E. Wyatt

Instructors: L. Fall, B. Fields, S. White

CA 210—COMMUNICATION CONVOCATION

An entry-level course for those pursuing the Bachelor of Science in Communication Arts, Journalism or Public Relations. It is also required of those pursuing a Bachelors of Arts with a major in Communication Arts or Theatre. 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, and theatrical. 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 effectively and efficiently. The course also includes study and practice in the use of the International 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

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 regulations/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. Prerequisite: 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 599—SELECTED TOPICS IN COMMUNICATION ARTS

CA/ANT/ENG 5472—SOCIOLINGUISTICS
See ENG 5472 for course description.

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 controls, and intra-inter-media operations. Prerequisite: 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 concerns of mass communication will be discussed.

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 operation; emphasis is on the production of laboratory programs with students participating in the various jobs involved in studio production.

CAB/CAJ/IS—352

This course is a comparative study of mass media around the world. It analyzes international media systems in terms of relevant political, social, economic, and cultural factors.

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 production of radio and television programs. Prerequisites: CAB 445 or CAB 448.

CAB 415—BROADCAST NEWS PRACTICUM

Practical experience in broadcast news operations. The student will take an active part in the production of radio and television news programs. Prerequisite: CAB 446.

CAB 416—INDUSTRIAL VIDEO PRACTICUM

Practical experience in industrial video production. The student will take an active part in the production of industrial video programs. Prerequisite: 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 commercial 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 427—VIDEO ELECTRONIC GRAPHICS

Students will learn about the various Digital Video Effects (DVE) equipment used in the marketplace. Students will have the opportunity to demonstrate knowledge and creativity with computer graphics for video productions.

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/SM 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

FILM

CAF 256—INTRODUCTION TO THE CINEMA

A study of the basic elements of effective film production including screen writing, 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 3400—THEMES AND PATTERNS IN LITERATURE AND FILM

See ENG 3400 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 copy reading, 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 AMERICA 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, 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/PM 350—GRAPHIC ARTS TECHNOLOGY II

See PM 350 for course description.

CAJ/MKT 351—PRINCIPLES OF ADVERTISING

See MKT 351 for course description.

CAJ/CAB/IS—352

See IS/CAB/CAJ 352 for course description.

CAJ 399—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 of public affairs journalism, with emphasis on beat reporting, social science reporting and investigative reporting. 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 May be taken by journalism majors or minors who have compiled a 2.0 GPA. Provides practical experience on full-time basis at approved media site. Prerequisites: CAJ 343 (News Reporting and Writing) and CAJ 344 (Copy Editing).

CAJ 599—SELECTED TOPICS IN JOURNALISM**PUBLIC RELATIONS****CAP 311-313, 411-413—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. Prerequisite: CA 250.

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 343—NON-PROFIT PUBLIC RELATIONS

Explores the special challenges of managing public relations programs for a variety of non-profit agencies and organizations. Prerequisite: CAP 340 or permission of instructor.

CAP 344—CORPORATE PUBLIC RELATIONS

This class is designed to help students understand the practice of public relations within corporations. It examines the role of public relations within an organization and its responsibilities relative to developing and maintaining external and internal relations. Prerequisite: CAP 340 or permission from instructor.

CAP 345—PUBLIC RELATIONS EVENT MANAGEMENT

Provides students with the opportunity to learn planning techniques and strategies unique to events. Students will examine and apply motivational and situational audience analysis theories from event idea to its termination. Prerequisite: CAP 340.

CAP 350—INTERNATIONAL PUBLIC RELATIONS

This course introduces students to the theories, practices and research concerning the performance of public relations in international contexts. Specialized literature will be explored to enhance understanding of a broad variety of relatively complex public policy, economic,

sociopolitical and historical concepts, in addition to public relations practices. 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 441—PUBLIC RELATIONS FIRMS AND COUNSELING

Provides students with exposure to public relations firms. The class will review the evolution and management of public relations firms, and principles involved in counseling clients. Prerequisite: CAP 340 or permission of instructor.

CAP 443—PUBLIC RELATIONS CRISES AND ISSUES

Provides students with an understanding of how crises affect an organization's public relations efforts. Students will learn about different kinds of crises and how to proactively manage them. Prerequisite: CAP 340.

CAP 445—PUBLIC RELATIONS 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 446—GOVERNMENTAL PUBLIC RELATIONS AND PUBLIC AFFAIRS

Describes and analyzes the purposes, practices and past performance of governmental public relations. Students will learn why and how local, state and federal government agencies communicate as they do with salient publics. Prerequisite: CAP 340 or permission of instructor.

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. Prerequisite: By permission of instructor

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. Prerequisite: Senior based standing

CAP 599—SELECTED TOPICS IN PUBLIC RELATIONS

SPEECH COMMUNICATION

CAS 114-116, 214-216, 314-316, 414-416—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, 495—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

THEATRE

CAT 110-113, 210-213, 310-313, 410-413—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 114-117, 214-217, 314-317, 414-417—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 192, 292, 392, 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 prepara-

tory 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.

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, and 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/ENG 444—DRAMA IN PERFORMANCE

See ENG 444 for course description.

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.

J. Nichols, Chair.

CLT 320—THEORY AND PRACTICE OF LITERARY TRANSLATION

Introduction to the history and theory of literary translation. Emphasis on practical problems and techniques, with exercises culminating in the translation of a foreign language text appropriate to the student's interests and abilities. Prerequisites: Completion of the fourth quarter in a foreign language.

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 and either ENG 252 or ENG 253. Five hours academic credit.

CLT/ENG 485—SEMINAR IN COMPARATIVE LITERATURE

A 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. Five hours academic credit.

ENGLISH

Courses in English are offered by the Department of English and Philosophy.

J. Nichols, Chair

Professors: H. Cate (Emeritus),

P. Gillis (Emerita), A. Goke-Pariola,

L. Huff (Emeritus), J. Humma, J. Nichols,

D. Ruffin (Emeritus), F. Sanders,

P. Spurgeon (Emeritus), A. Whittle

Associate Professors: B. Bitter (Emerita),

D. Dudley, R. Flynn, B. Horan,

P. LaCerva (Emerita), D. Lanier (Emerita),

E. Little (Emeritus), T. Lloyd,

M. McLaughlin, E. Nelson, L. Paige,

D. Purvis, R. Quince (on leave), F. Richter,
D. Robinson, D. Thomson, C. Town,
T. Warchol

Assistant Professors: E. Agnew, K. Albertson,
L. Bailey, E. Boliek, P. Brown, C. Crittenden,
M. Cyr, P. Dallas, D. Davis,
O. Edenfield (on leave), K. Ferro, M. Geddy,
T. Giles, D. Golden, P. Griffin, M. Hadley,
G. Hicks (Emerita), C. Hoff (Emeritus),
A. Hooley (Emerita), D. Hooley,
E. James (Emerita), D. Jones (Emerita),
R. Keithley, G. Kundu, E. Mills (Emerita),
D. Norman, T. Norman, J. Parcels, M. Pate,
P. Price, S. Rabitsch (Emerita), C. Schille,
V. Spell, J. Spencer, T. Thompson, S. Weiss,
T. Whelan, N. Wright

Temporary Assistant Professors: K. Csengeri,
M. Richardson, N. Sherrod

Instructors: G. Bess (on leave),
Z. Burton, P. Deal, N. Dessommes, S. Divers,
M. Franklin, B. Freeman, T. Giles,
N. Hashmi, E. Hendrix, A. Hodge,
N. Huffman, K. McCullough, M. Mills
N. Saye

Temporary Instructors: S. Brannen, J. Kluttz,
L. Milner, P. Murphey, C. Rogers

Part-time Instructors: B. Burkhalter,
N. LoBue, V. Steinberg

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 to students with fewer than 75 hours.

ESL 093—ENGLISH AS A SECOND LANGUAGE I

An intensive course designed for students whose native language is not English. It includes listening and speaking skills, reading comprehension with an emphasis on vocabulary development, basic grammar review, writing paragraphs and short papers, and revising and editing skills. Students may be required to take this course for one or more quarters after which they will move to ESL 095 or ESL 151, depending on their progress. Ten hours institutional credit.

ESL 095—ENGLISH AS A SECOND LANGUAGE II

A course designed for students whose native language is not English. It includes group discussion skills, interpretation of short readings, advanced grammar review, writing essays, and revising and editing skills. Students may be required to take this course for one or two quarters after which they will enroll in ESL 151. Five hours institutional credit.

ESL 151—ENGLISH COMPOSITION FOR NON-NATIVE SPEAKERS

A course designed for students whose native language is not English. It concentrates on developing the student's skills in thinking, reading, and writing. Emphasis is placed on the reading and understanding of prose selections and on the writing of clear, logical, well-constructed essays that are relatively free from serious grammatical faults. The course includes a research paper. Credit for ESL 151 will be accepted in lieu of credit for English 151. Upon completion of ESL 151, the student will enroll in English 152. Five hours academic credit. NOTE: The University requires that ESL 151 be completed with a minimum grade of "C" before the student may enroll in ENG 152.

ENG 120—GRAMMAR AND PUNCTUATION REVIEW

A review and reinforcement of basic grammar and punctuation rules. The course emphasizes sentence- and paragraph- level writing through skills practice, work sheets, and quizzes and will benefit any student at any level of course work. No prerequisites. Two 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. Five hours academic credit. 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. Five hours academic credit. 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, and loyalty to the community are examined through drama, myth, song, and story. Prerequisites: ENG 151 and 152. Five hours academic credit.

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 heroic activity, and the concept of chivalry are examined. Prerequisites: ENG 151 and 152. Five hours academic credit.

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. Five hours academic credit.

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. Five hours academic credit.

ENG 266—LOVE AND SEX IN LITERATURE

A study of 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. Five hours academic credit.

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. Five hours academic credit.

ENG 290—INTRODUCTORY READINGS IN LITERATURE

A study of four or more works in an area or author chosen by the instructor. The course introduces students to the ways major literature communicates an awareness of human behavior and possibilities. Emphasis is placed on close textual readings, classroom discussions, and short written reactions to the works covered. No prerequisites. Two hours academic credit. (Only six hours of credit will apply to a degree.)

NOTE: PREREQUISITES FOR ALL ENGLISH COURSES NUMBERED 300 AND ABOVE, UNLESS OTHERWISE NOTED, ARE ENG 151, 152, AND ONE OF THE WORLD LITERATURE COURSES (251, 252 OR 253).

ENG 330—TEACHING WRITING

An introduction to the theory and practice of teaching writing, including making the writing assignment, pre-writing, revising writing, and evaluating student writing. Three hours academic credit.

ENG/CLT 385—INTRODUCTION TO COMPARATIVE LITERATURE

See CLT/ENG 385 for course description.

ENG 399—SELECTED TOPICS IN ENGLISH.**ENG/CAF 3400—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 also addresses formal distinctions and affinities between literature and cinema. Four hours academic credit.

ENG 3420—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. Four hours academic credit.

ENG/AS 3450—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. Four hours academic credit.

ENG 3451—ENGLISH LITERATURE

A survey of English literature from Beowulf to the Romantic Movement. Four hours academic credit.

ENG 3452—ENGLISH LITERATURE

Continuation of 3451. A survey of English literature from the Romantic Movement to the modern period. Four hours academic credit.

ENG/AS 3461—AMERICAN LITERATURE

A survey of American literature from the beginning to 1865. Four hours academic credit.

ENG/AS 3462—AMERICAN LITERATURE

Continuation of 3461. A survey of American literature from 1865 to the present. Four hours academic credit.

ENG/AAS 3463—AFRICAN-AMERICAN LITERATURE

A survey of African-American literature from its beginnings to the present, focusing on important movements, genre, and themes. Four hours academic credit.

ENG 3470—BUSINESS AND THE PROFESSIONS IN LITERATURE

A study of fiction, drama, and poetry that treat the business and professional life. The approach is broadly cultural and ethical. An important part of the course is the work done with students to help them improve their writing. Four hours academic credit.

ENG 3473—WRITING IN THE WORKPLACE

A course which prepares students from all disciplines to be effective communicators in their chosen professions. Students learn to write and prepare a variety of documents, including memos, letters, reports, proposals, critical studies, and recommendations. Four hours academic credit.

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 chair of the department. Three hours academic credit.

ENG/CAT 444—DRAMA IN PERFORMANCE

An examination of the relationship between the text, what happens on stage, and its effect on the audience. Using different critical theories, the course explores how the meaning of a dramatic text is constructed in performance and how this process connects the text with the wider world outside the theatre or the university. Prerequisites: Either ENG 251, 252, or 253. Four hours academic credit.

ENG/CLT 485—SEMINAR IN COMPARATIVE LITERATURE

See CLT/ENG 485 for course description.

ENG 4400—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. Four hours academic credit.

ENG 4410—SHAKESPEARE: THE MAJOR COMEDIES AND HISTORIES

An intensive study of ten plays. The reading of a reputable biography of Shakespeare, an oral report and a course paper are also required. Four hours academic credit.

ENG 4411—SHAKESPEARE: THE TRAGEDIES

An intensive study of nine plays and the sonnets. An oral report and a course paper are also required. Four hours academic credit.

ENG 4421—POETRY WRITING

A workshop format course which focuses primarily on the students' own poems. The course emphasizes traditional and contemporary use of metrics and forms. Students learn metrical conventions and 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. Four hours academic credit.

ENG 4422—FICTION WRITING

A workshop format course which focuses primarily on the students' own fiction. The course emphasizes traditional, contemporary, and experimental approaches to plot, characterization, point-of-view, and other elements of form

and content. Students formally evaluate the work of their peers and/or established writers. Prerequisites: ENG 151 and ENG 152. Four hours academic credit.

ENG 4430—LITERARY CRITICISM

A study of literary criticism from Plato to Derrida, with concluding emphasis on the theory, approaches, and techniques of current literary study. Four hours academic credit.

ENG 4431—SENIOR SEMINAR

A capstone course which provides the opportunity to discuss and apply knowledge gained through major courses. Students write one major research paper and make an oral presentation. Required of all English majors. Prerequisite: Senior standing. Four hours academic credit.

ENG 4451—CHAUCER

A study of The Canterbury Tales and other selected works. Four hours academic credit.

ENG 4452—HISTORY OF THE ENGLISH LANGUAGE

A course combining the traditional history-of-the-language approach with modern linguistic analysis. Emphasis is 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. Four hours academic credit.

ENG 4453—ADVANCED COMPOSITION

An analysis of successful expository and narrative methods, with regular writing assignments emphasizing logical organization of thought and effective composition. Four hours academic credit.

ENG 4460—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 is required. Four hours academic credit.

ENG 4461—DRAMA TO IBSEN

A study of representative works of dramatic literature of the western world from Aeschylus through Scribe, excluding English drama. Four hours academic credit.

ENG 4470—POETRY AND PROSE OF THE ENGLISH RENAISSANCE

A study of the work of the major poets and prose

writers of the English Renaissance. Four hours academic credit.

ENG 4480—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. Four hours academic credit.

ENG 599—SELECTED TOPICS IN ENGLISH

ENG 5401—MILTON AND DONNE

A study of Milton's and Donne's poetry and prose. The emphasis will be on the major works of both poets, with some attention to their prose and occasional poetry. Four hours academic credit.

ENG 5402—ENGLISH NEO-CLASSICAL LITERATURE

A study of the major writers of verse and prose from Dryden to Johnson. Four hours academic credit.

ENG 5403—MODERN DRAMA

A study of the major drama from Ibsen to the present, including the work of both Anglo-American and European dramatists. Four hours academic credit.

ENG 5404—MODERN BRITISH FICTION

A study of the development of the several forms of modern British fiction: the novel, the nouvelle, and the short story. Four hours academic credit.

ENG/RS 5405—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. Four hours academic credit.

ENG/AAS 5410—IMAGES IN AFRICAN-AMERICAN LITERATURE

A study of recurrent images, issues, and themes in African-American literature through in-depth examination of several works. Writers such as Douglass, Washington, Dunbar, Chesnut, Wright, Walker, and Morrison will be regularly taught. Four hours academic credit.

ENG/WGS 5420—LITERATURE BY WOMEN

A study of 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. Four hours academic credit.

ENG 5430—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. Four hours academic credit.

ENG 5431—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. Four hours academic credit.

ENG 5432—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, the Black Mountain poets, the Beat poets, Sexton, Brooks, Wilbur, and Heaney. Four hours academic credit.

ENG 5440—TWENTIETH-CENTURY IRISH LITERATURE

A study of representative fiction, poetry, and drama by 20th century Irish authors. Readings emphasize the way Irish writers have explored the diversity of the Irish experience as it has been influenced by history, culture, politics, and religion. Four hours academic credit.

ENG 5450—ENGLISH DRAMA TO 1642, EXCLUDING SHAKESPEARE

A study of representative works, including those of Marlowe, Jonson, Webster, Beaumont and Fletcher, and Ford. Four hours academic credit.

ENG 5451—ENGLISH DRAMA FROM THE RESTORATION TO SHAW

A study of representative works, including those of Dryden, Congreve, Sheridan, Goldsmith, Byron, and Shaw. Four hours academic credit.

ENG 5452—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. Four hours academic credit.

ENG 5460—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. Four hours academic credit.

ENG/AS 5461—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. Four hours academic credit.

ENG/AS 5462—SOUTHERN LITERATURE

A survey of the literary achievements of the South from the Colonial period to the present. Four hours academic credit.

ENG/AS 5463—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. Four hours academic credit.

ENG 5470—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 read from among North, Central, and South American; Western and Eastern European; African; Asian; and Far Eastern authors. Four hours academic credit.

ENG 5471—MODERN ENGLISH GRAMMAR

A study of the forms and syntax of modern English. Required of all English majors pursuing teacher education. Four hours academic credit.

ENG/ANT/CA 5472—SOCIOLINGUISTICS

A study of 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 the social-scientific viewpoint—analyzing facts about language which may illuminate our understanding of social structures. Additional prerequisites: SOC 150 or ANT 150. Four hours academic credit.

ENG 5475—VICTORIAN PROSE AND POETRY

A study of the Victorian Period in England, with emphasis on the prose and poetry of major authors. Four hours academic credit.

ENG 5480—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 furthers the students' mastery of the tools and the practice of literary criticism; broadens their acquaintance with appropriate genres, such as bildungsroman and biography; and enhances their understanding of the cultural and psychological issues of particular importance to adolescents. Four hours academic credit.

ENG 5481—THEORY OF COMPOSITION

A survey of the theories behind the most important issues and components of the teaching of writing, such as composing processes, grammar, modes, grading, basic writing, invention, and style. These theories are tested by direct application to written texts. Four hours academic credit.

FOREIGN LANGUAGES

D. Seaman, Chair

Professors: L. Bouma (Emeritus),

Z. Farkas (Emeritus), C. Krug, D. Seaman,
J. Weatherford

Associate Professors: D. Alley, J. P. Carton,

J. Schomber, N. Shumaker

Assistant Professors: N. Barrett (Emerita),

L. Borowsky (Emerita), R. Haney, J. Hecker,

H. Kurz, M. Lynch (Emerita),

D. Martinez-Conde, D. McCaslin,

D. Richards, J. Suazo

Instructor: L. Collins

Temporary Instructors: A. Cipria, G. Dimetry,

T. Jedlicka, E. Jones, D. Osanai

Part-Time Instructors: L. Carriedo,

N. Dmitriyeva, N. Eisenhart, C. Petrizelli,

U. Rath, R. Sugahara

The department strongly encourages majors and minors to participate in study abroad programs and will also give assistance to any students who are interested in independent study, travel and work overseas. The department conducts summer study programs in Saumur, France; Erlangen, Germany; San Jose, Costa

Rica; and Segovia, Spain. Internships to work in France are available as well. Financial aid is available through various sources, including the HOPE scholarships and the Zoltan Farkas scholarship for study abroad, established in honor of the founding Chair of the department.

Most courses on the 300 and 400 level listed below are not offered every year.

FL 199—SELECTED TOPICS IN FOREIGN LANGUAGES

Study of an elementary level foreign language topic. Prerequisite: Permission of department chair.

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, Thai) 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 em-

phasis 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.

CHINESE

CHI 151—ELEMENTARY CHINESE I

Introduction to Chinese by means of self-instruction. Emphasis on speaking and listening skills, the Chinese alphabet, and basic grammatical structure. Students will work with a variety of instructional aids, including textbooks, audio tapes, and a tutor.

CHI 152—ELEMENTARY CHINESE II

Continued study of Chinese by means of self-instruction. Emphasis on speaking and listening skills, the Chinese alphabet, and basic grammatical structure. Students will work with a variety of instructional aids, including textbooks, audio tapes, and a tutor. Prerequisite: CHI 151.

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

Guided conversation in French, based on current issues as they are reflected in contemporary

journals and newspapers. Emphasis 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 buildup 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 353—FRENCH CIVILIZATION

A study of French civilization through discussion of its history, art, music and literature. Course work includes extensive use of audiovisual materials. Prerequisite: FRE 252 or equivalent.

FRE 354—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, tragicomedy, 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.

FRE 491—INTERNSHIP IN FRANCE French language and culture component of internships in France or other francophone countries. Student selected by a departmental process. Prerequisites: one 300-level course or equivalent and permission of the Department Chair.

FRE 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 listening, speaking, reading, 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, or 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. Emphasis on developing conversational vocabulary at an intermediate level. Prerequisite: GER 152 or consent of instructor.

GER 252—INTERMEDIATE GERMAN
Review of German grammar and reading of selected texts. Particular emphasis on conversation and expansion of vocabulary. Prerequisite:

GER 153 or equivalent.

GER 311, 312, 313, 314—DISCUSSION CIRCLE
Primarily, guided conversation based on current issues reflected in contemporary journals and newspapers. Emphasis: conversational, rather than 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 refine pronunciation. Prerequisite: German 252, three years of high school German or equivalent, or consent of instructor.

GER 330—INTRODUCTION TO GERMAN LITERATURE
Introduction to terminology, methods, and goals of literary analysis and interpretation of German literature. Prerequisites: German 252, three years of high school German or equivalent, or consent of instructor.

GER 350—CONVERSATION
Practice in the use of everyday German through conversation and oral presentations. Prerequisite: German 252, three years of high school German or equivalent, or consent of instructor.

GER 353—GERMANY TODAY
Study of daily life and institutions in the Federal Republic of Germany today. Prerequisite: German 252 or equivalent, or consent of instructor.

GER 355—TEXTS AND MEDIA IN GERMAN
Presentation and discussion of a variety of texts presented in different media such as cassettes (songs), radio-broadcasts (radio plays), and video (movies). Prerequisite: German 252, three years of high school German or equivalent, or consent of instructor.

GER 361—ADVANCED GRAMMAR
Advanced study of German grammar and syntax with emphasis on the active use of the language. Prerequisite: German 252, three years of high school German or equivalent, or consent of instructor.

GER 362—WRITING IN GERMAN
Grammar review, basic instruction in stylistics, and extensive practice in writing, both short compositions and longer items. Prerequisites: GER 252, three years of high school German or equivalent, or consent of instructor.

GER 399—SELECTED TOPICS IN GERMAN

GER 451—GERMAN HERITAGE

A presentation of various aspects of German culture, including a brief survey of literature, architecture, art, and music. Prerequisite: two courses at the 300 level or consent of the instructor.

GER 452—BUSINESS GERMAN

A career-oriented course designed to familiarize the student with Business German. Topics may include areas such as business, tourism, and others. Prerequisite: Two courses at the 300 level or consent of instructor.

GER 460—SURVEY OF GERMAN LITERATURE

A survey of German literature from its beginning to the present, with an emphasis on reading representative selections from major works. Prerequisite: Two courses at the 300 level or consent of instructor.

GER 465—PROSE WORKS

Reading and discussion of prose texts such as short stories, novels, and novellas. Prerequisite: Two courses at the 300 level or consent of the instructor.

GER 466—THE GERMAN DRAMA

Selected plays of major dramatists of the 18th, 19th, and 20th centuries with an outline of the development of German drama. 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 491—INTERNSHIP IN GERMANY

German language and culture component of internships in Germany or other German-speaking countries. Students selected by a departmental process. Prerequisites: One 300-level course or equivalent and consent of the department chair.

GER 499—DIRECTED STUDY IN GERMAN

Independent study under faculty supervision. Prerequisite: consent of department chair.

GER 592—SEMINAR IN GERMAN: GREAT AUTHORS

A close study of German authors from all periods and their works. Can be repeated with different authors.

GER 599—SELECTED TOPICS IN GERMAN**JAPANESE****JPN 111, 112, 113, 114, 115—JAPANESE DISCUSSION CIRCLE**

This course consists primarily of guided conversation in Japanese, based on current issues as reflected in contemporary journals and newspapers. The emphasis is on conversational, rather than specialized vocabulary. Prerequisite: Japanese 151 or equivalent.

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 211, 212, 213, 214, 215—JAPANESE DISCUSSION CIRCLE

Guided conversation in Japanese, based on current issues as reflected in contemporary journals and newspapers. Emphasis on conversational, rather than specialized vocabulary. Prerequisite: Japanese 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. Taught in English. No prerequisite.

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.

LAT 399—SELECTED TOPICS IN LATIN

Prerequisite: LAT 251 or equivalent.

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

Guided conversation in Spanish, based on current issues as they are reflected in contemporary journals and newspapers. Emphasis 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.

SPA353—STUDIES IN HISPANIC MEDIA

Survey of issues and events affecting the Hispanic world using print and electronic media, including newspapers, magazines television, and computer communications. Class will focus on improving reading and listening skills while at the same time broadening the understanding of the Spanish-speaking world. Prerequisite: SPA 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 450—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 457—LITERATURE OF HISPANIC NATIONALISM

Study of literary works which illustrate the development of individual national identities in Spanish America and the emphasis on expression of this nationalism as a defining cultural characteristic. Works examined will be taken from the post-independence Romantic period through the mid-Twentieth century. Prerequisites: SPA 352 plus one additional 300-level course or permission 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 Hispano-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 464—LITERATURE OF HONOR AND FAITH

Study of works of literature which illustrate the social dynamic of "la honra" (honor), an individual's place in society, and "la fe" (faith), the search for the individual's purpose on earth. Particular emphasis on drama of the Golden Age. Prerequisites: SPA 352 plus one additional course at the 300-level or permission of the instructor.

SPA 465—LITERATURE OF TRANSITION AND DECAY

Study of literary works of the Nineteenth Century in Spain which focus on recurrent themes of transition from Spain's status as a world power and the decay of traditional social values. Prerequisites: SPA 352 plus one additional course at the 300-level or permission of the instructor.

SPA 466—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 468—CONTEMPORARY HISPANIC WOMEN WRITERS

A study of literary works by Hispanic women writing after World War II. Issues affecting the changing role of women in Hispanic society will be examined as will each author's personal style and point of view. Prerequisite: SPA 352 plus one additional course at the 300-level or permission of the instructor.

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 491—INTERNSHIP IN SPAIN AND LATIN AMERICA

Spanish language and culture component of internships in Spain or other Spanish-speaking countries. Students selected by a departmental process. Prerequisites: One 300-level course or equivalent and permission of the Department Chair.

SPA 499—DIRECTED STUDY IN SPANISH
Independent study under faculty supervision. Prerequisite: consent of department chair.

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.

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), A. Young

Associate Professors: R. Barrow (Emeritus), J. Buller, V. Egger, C. Ford (Emerita), A. Sims, C. Thomas, J. Woods

Assistant Professors: C. Briggs, F. Brogdon, C. Crouch, A. Downs, T. McMullen, S. Peacock, D. Rakestraw, P. Rodell, C. Roell, S. Skidmore-Hess, J. Steinberg, T. Teeter, R. Thompson

Temporary Instructor: C. Ebel

Visiting Assistant Professor: W. Ratliff

HIS 152—DEVELOPMENT OF CIVILIZATION TO 1650

A survey of the human experience from the Stone Age to the empires of the seventeenth century.

HIS 153—DEVELOPMENT OF CIVILIZATION SINCE 1650

A survey of the major historical developments which have transformed human experience since 1650.

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 350—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 352—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 353—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 355—MODERN JAPAN

Japan through the Tokugawa period to its nineteenth century emergence from isolation and growth as a world power with emphasis on traditional culture, industrialization, and post-WW II society.

HIS 357—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 360—GLOBAL ECONOMIC TRENDS OF THE MODERN ERA

This course highlights historic and recent events contributing to Western prosperity and its global impact. Topics include economic philosophy; the industrial revolution and its effects; historical patterns of economic development; growth of a world economy and economic systems; economic nationalism, imperialism, and trade; global economic issues.

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 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 367—MODERN CHINA

Cultural change and continuities of China from 1600 to its response to the West, the rise of the People's Republic, and the Post-Mao present.

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 369—WORLD WAR I

This course will examine the background, origins, diplomacy, tactics, strategy, critical turning points, conclusion, meaning, and impact of World War I on the development of Western Civilization

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 372—MODERN SOUTHEAST ASIA An investigation of common themes of the region from 1600, including the impact of the West, the nationalist response, and the post-WW II rise of a modern community of nations.

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 382—THE MIDDLE AGES

The restructuring of western society on a fundamentally Germanic, Latin and Christian foundation.

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 388—AMERICAN INDIAN HISTORY

This course surveys the major themes in American Indian history from the period prior to European contact to the present. Included are specific case studies that highlight particular issues.

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.

HIS/RS 451—THE AGE OF THE REFORMATION

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 interrelationship 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 455—THE YOUNG REPUBLIC, 1788-1848

A survey of U.S. history from the Ratification of the Constitution through the end of the war with Mexico. This course will cover major aspects of American politics, economy, and culture as the country expanded to the Pacific. Prerequisite: HIS 252

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 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 emphasized.

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 471—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 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 na-

tionalism 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 ANTEBELLUM 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 486—MODERN BRITAIN

An intensive analysis of the political, economic and social history of England beginning with the Reform Bill of 1867.

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 585—THE AGE OF CHIVALRY: EUROPE, 1100-1300

An examination of the society and culture of Europe during the High Middle Ages. It takes a primarily structural and thematic approach in order to familiarize the student with the lives and attitudes of medieval people.

HIS 599—SELECTED TOPICS IN HISTORY

JUSTICE STUDIES

The primary responsibility for the program is carried by the Department of Political Science.

J. Daily, Acting Chair

F. Ferguson, Director

Professor: G. Cox

Associate Professor: S. Tracy

Assistant Professors: F. Ferguson, L. Kelly,

D. Rounds, D. Sabia

Temporary Assistant Professors: R. Davis

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 253—JUSTICE AND ETHICS

This course will introduce participants to the ethical concepts and principles which have particular application to justice professionals in America.

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 360—CRIMES

A study of the theories in criminal law evidenced by the practice of law and order in the United States. Analyzes how social, political and economic processes influences the evolution of criminal law. Introduces student to theories of law creation and models of criminal justice with

specific emphasis placed on the Georgia Criminal Code.

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 or consent of instructor.

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 or consent of instructor.

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 251 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 251 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 368—POLICE ADMINISTRATION

Investigates the principles of organization, administration and duties of police agencies. Examines emerging ideas such as lateral entry, team policing, neighborhood police, central staff control and professionalization. Prepares students for employment in a modern police agency.

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 251 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. Should be taken only upon completion of all other Justice Studies courses.

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 sum-

mary will be required from each participating student.

REQUIREMENTS

1. Students must have rising senior status or permission of the director to enroll for internship.
2. Students must have a grade point average of at least 2.5 prior to enrollment in the internship.
3. Grading for internship will be on satisfactory/unsatisfactory basis only.

JS 599—SELECTED TOPICS IN CRIMINAL JUSTICE

LATIN AMERICAN STUDIES Latin American Studies is an interdisciplinary field including courses offered by several departments.

N. Shumaker, 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 355—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.

MUSIC

Courses in music are offered by the Department of Music.

R. Marchionni, Chair

Professors: S. Adams (Emeritus), H. Arling, N. da Roza, J. Graham (Emeritus), D. Graves, R. Marchionni, D. Mathew

Associate Professors: M. Braz, D. Pittman, J. Robbins, D. Wickiser (Emeritus)

Assistant Professors: R. Caldwell, L. Cionitti, G. Harwood, S. McClain, T. Pearsall, W. Schmid

Instructor: M. Fallin

Part-Time Instructors: P. Barry, L. Caldwell, A. Handelman, M. Herbert, R. Kho, C. Moller, C. Purdy, A. Schmid, L. Weinhold
Staff Accompanist: M. Livengood

The Department of Music is a full member of the National Association of Schools of Music.

GENERAL REQUIREMENTS

Students wishing to pursue a degree in music 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.

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 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 must give a half-recital in their senior year. Composition students may be invited to give recitals upon the recommendation of the applied instructor and advisor. 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 teacher 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.

All music majors must enroll in a large (2 credit-hour) ensemble on their primary instrument until the large ensemble requirement is met. Students may not register for more than one large ensemble on their primary instrument during any given quarter.

CLASS PIANO AND THE PIANO EXIT EXAMINATION

All music majors must pass (70 percent or better) the piano exit examinations at the conclusion of MUS 116c and MUS 216c. The final exams in both these courses serve as the piano exit examinations. The final exam in MUS 126c will serve as the exit examination for piano primaries. However, both the exit exam and individual course requirements must be completed with a grade of C (70%) or better. Students not passing either the course or the exit exam must re-register for the course and re-take the exit exam. The exit exam may be attempted at the end of any quarter with the consent of the instructor. A maximum of six hours credit of Class Piano is allowed toward graduation requirements.

MUSIC THEORY PLACEMENT AND EXIT EXAMINATIONS

A placement examination in music theory is required of all new majors (transfer students, freshmen with considerable training in music theory, etc.) who wish to enroll in theory courses other than MUS 127a/131. Placement exam results are for advisement purposes only.

Each major must pass (70 percent or better) the music theory exit exam. No student may register for any upper-level theory course until the theory exit exam is successfully completed.

The exit exam is normally given as the final exam for the last quarter of the music theory sequence course MUS 227c/231c. However, both the exit exam and individual course grade

requirements must be successfully completed prior to registering for any upper-level music theory course. The exit exam may be attempted at the end of any quarter with the consent of the chair of the theory committee.

DEPARTMENTAL GRADING POLICY

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 may not enroll in the next course sequence until the course is repeated and a grade of "C" or higher is earned. (Sequential courses in this sense are defined as those in which skills are developed through a succession of courses, such as in the lower level music theory sequence and class piano.) 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.

ADVISEMENT

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 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 and MUA 401—Senior Recital are taken during the quarter the student performs the Junior or Senior Recital. The student enrolled in the recital class

will receive one hour credit and a twenty-five minute extra lesson per week. Music Education majors will enroll in MUA 291 the quarter in which the half-recital is presented. The course carries no academic credit. There is no applied music fee for registering in the recital 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 and consent of instructor.

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, 326 Piano Ensemble.

Note: Fifteen hours of upper-division applied music (MUA) and music ensembles (MUE) may apply to the music minor. The non-music major may apply up to 10 hours of any combination of upper or lower division MUE/MUA courses toward a degree.

TECHNIQUES AND CONDUCTING

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—CLASS PIANO

The study and development of keyboard theory and functional piano skills at the elementary level, including scales and chords, harmonization, sightreading, transposition and improvisation. Required for all non-keyboard majors each quarter until the piano proficiency is passed.

MUS 119—GUITAR CLASS

Group instruction in guitar.

MUS 126 A, B, C—CLASS PIANO

The study of scales, arpeggios, cadences, transposition, harmonization of diatonic melodies and sight-reading of Bach Chorales, and open score reading. Required of all keyboard majors each quarter (for a maximum of six hours credit) until the Piano Exit Examination is passed.

MUS 216 A, B, C—CLASS PIANO

The continued study and development of skills begun in MUS 116 at the intermediate level. Required for all non-keyboard music majors each quarter until the Piano Exit Examination is passed. Prerequisite: 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. Prerequisite: MUS 127c, 132b or consent of instructor.

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 311—BRASS PEDAGOGY

The study of literature and teaching techniques for brass instruments, to include: embouchure, breath control, articulation, general production of tone, and facility. Prerequisite: Two years private study on student's primary instrument, or consent of instructor.

MUS 312—PERCUSSION PEDAGOGY

The study of literature and teaching techniques for percussion instruments, to include: mallet selection, grip, tone production, and general technique and facility. Prerequisite: Two years private study on student's primary instrument, or consent of instructor.

MUS 313—STRING PEDAGOGY

The study of literature and teaching techniques for string instruments, to include: elementary to advanced bowing techniques, shifting, and vibrato. Prerequisite: Two years private study of student's primary instrument, or consent of instructor.

MUS 315—WOODWIND PEDAGOGY

The study of literature and teaching techniques for woodwind instruments, to include: embouchure, breath control, articulation, general production of tone, and facility. Prerequisite: Two years private study on student's primary instrument, or consent of instructor.

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 primary.

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 memory and the reading of chord symbols. (Infinite content course on a continuing basis.)

Prerequisites: MUS 220 a,b,c or consent of instructor.

MUS 329 A, B—PIANO PEDAGOGY II

Survey of literature for elementary to moderately difficult levels; lesson planning and performance practice.

MUS 420—BASIC CONDUCTING

A practical course directed toward the cultivation and development of the skills required for students who plan to conduct musical ensembles.

MUS 429—MARCHING BAND TECHNIQUES

This course provides instruction in the necessary skills required of an instrumental school music teacher. The course combines elements of the following: (1) field rehearsal skills (marching); (2) drill creation; (3) charting skills by computer and by hand; (4) auxiliary unit techniques; (5) leadership and motivation.

MUS 439—PIANO PEDAGOGY III

Observations of lessons and master classes. Practice teaching under faculty supervision. Adjudication techniques.

MUS 443—VOCAL PEDAGOGY

Development of the teaching of singing through the study of its history and the investigation and application of research in vocal production and pedagogy. The course will involve supervised teaching of applied lessons by students and a survey of teaching materials. Prerequisites: MUS 221 or consent of instructor.

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 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 consent 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 sty-

listic period. Recommended for singers or for pianists with an interest in vocal accompanying. Prerequisites: MUS 221 or consent of instructor.

MUS 338—HISTORY OF MUSIC I

A chronological survey of music from antiquity to the end of the Renaissance, emphasizing issues of style, performance practice, musical aesthetics, and cultural context. Three lecture hours and one laboratory hour per week. Prerequisite: MUS 152, or consent of instructor.

MUS 339—HISTORY OF MUSIC II

A chronological survey of music in the Baroque and Classical periods, emphasizing issues of style, performance practice, musical aesthetics, and cultural context. Three lecture hours and one laboratory hour per week. Prerequisite: MUS 152, or consent of instructor.

MUS 340—HISTORY OF MUSIC III

A chronological survey of music from the beginning of the Romantic period to the present, emphasizing issues of style, performance practice, musical aesthetics, and cultural context. Four lecture hours and one laboratory hour per week. Prerequisite: MUS 152, or consent of instructor.

MUS/AS/AAS 360—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 early Classic period 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 339.

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 340.

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, neoclassicism, experimental music, electronic and aleatory music. Prerequisite: MUS 340.

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 557—HISTORY OF OPERA

A chronological survey of opera from its historical antecedents in the Renaissance to the present. Prerequisite: MUS 338, 339, and 340, or consent of instructor.

MUS 559—MUSIC OF THE CLASSIC PERIOD

A critical study of the Classical style in musical composition from the time of Sammartini through the early works of Beethoven including analysis of selected compositions. Emphasis is placed on the works of Haydn and Mozart. Prerequisites: MUS 339.

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 190—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 117 A—COMPOSITION CLASS

An introductory course to begin the development of skills in melodic/harmonic music composition. Prerequisite MUS 127a/131 or MUS 361.

MUS 117 B—COMPOSITION CLASS

An introductory course to begin the development of skills in melodic/harmonic music composition. Prerequisite: MUS 117a.

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 consent of instructor.

MUS 227 A, B, C—SIGHT-SINGING AND EAR TRAINING

Development in 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—COMPOSITION

Creative writing for small ensembles and soloists with emphasis on notation, form, and individual stylistic development. Performance of works stressed. Prerequisite: MUS 117b or consent of instructor.

MUS 231 A, B, C—THEORY II

A study of traditional, chromatic and 20th century harmonies, including exercises in composition. Prerequisite: MUS 127c and MUS 132b.

MUS 328 A, B, C—INTERMEDIATE 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 consent 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

A study of stylistic elements of music with special emphasis on form and structure. 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 362—ADVANCED MUSIC THEORY FOR THE NON-MAJOR

Further study in melodic and harmonic relationships with an emphasis on chords, chord symbols, and chord progressions through the study and analysis of musical compositions. Prerequisite: MUS 361 or consent of instructor.

MUS 428 A, B, C—ADVANCED COMPOSITION

Creative writing using techniques of the present including electronic music, multi-mixed and inter-media, 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 consent 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 consent of instructor.

MUS 464—ELECTRONIC/DIGITAL MUSIC I

A study and application of the techniques of analog and digital sound production and synthesis. Prerequisite: MUS 120—Technology in Music or consent of instructor.

MUS 465—ELECTRONIC/DIGITAL MUSIC II

A study of advanced electronic/digital sound production techniques, including hard-disk recording and sample editing. Prerequisite: MUS 464 or consent of instructor.

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 120—PRACTICAL TECHNOLOGY IN MUSIC

An introductory course in the current uses of technology in music, including study of audio equipment (microphones, cassette and DAT recording/playback, amplifiers, etc.), and basic computer/synthesizer techniques.

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.

J. Nichols, Chair.

Associate Professor: B. Horan

Assistant Professors: P. Brown, J. Parcels,

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. Five hours academic credit.

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 propositional calculus. Five hours academic credit.

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. Five hours academic credit.

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. Five hours academic credit.

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. Five hours academic credit.

PHI 355-DEDUCTIVE LOGIC

A first course in deductive logic, what Aristotle described as the science (*episteme*) of establishing conclusions (*apodeixis*). Syllogistic logic, propositional logic and predicated logic (including both monadic and multivariable predicates) will be studied. Five hours academic credit.

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. Five hours academic credit.

PHI/PSC 365—ANCIENT AND MEDIEVAL POLITICAL THOUGHT

See PSC 365 for course description.

PHI/PSC 366—MODERN POLITICAL THOUGHT

See PSC 366 for course description.

PHI/RS 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. Five hours academic credit.

PHI/AS 375—AMERICAN PHILOSOPHY

A survey of the work of the most important American philosophers, including William

James, John Dewey, and B. F. Skinner. Five hours academic credit.

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. Five hours academic credit.

PHI 385—PHILOSOPHY OF MIND

An introduction to the most important questions in the philosophy of mind. The course will ask what minds are, whether statements about minds can be replaced by or reduced to statements about brains, what consciousness is, and whether there can be artificial intelligence. Five hours academic credit.

PHI/WGS 390—FEMINIST PHILOSOPHY

An introduction to the main topics in Feminist Philosophy to include: the adversary method and the 'maleness' of philosophy; dualities of mind/body, male/female, self/other; women's ways of knowing; caring and maternal thinking; and ecofeminism. Feminist philosophy addresses these ideals and assumptions in the western philosophic tradition that have oppressed women and other subordinate groups. Five hours academic credit.

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. Five hours academic credit.

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. Five hours academic credit.

PHI 452—TWENTIETH-CENTURY ETHICAL THEORY

Main trends in twentieth-century normative ethical theory in the Western world to include Intuitionism, Emotivism, Prescriptivism, Act and Rule Utilitarianism, and contractarianism. Five hours academic credit.

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. Five hours academic credit.

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. Five hours academic credit.

PHI 480—METAPHYSICS

A study of the major positions and problems of metaphysics, including space, time, matter, infinity, self, freedom, being, and divinity. Readings from throughout the history of philosophy. Five hours academic credit.

PHI 482—THEORY OF KNOWLEDGE

An introduction to the main topics involved in the theory of knowledge and the justification of belief, the course asks what knowledge is, how it is acquired, and by what ways it can be validated. It addresses the problems of skepticism, and the roles of sensory perception, memory, and belief in knowing. Five hours academic credit.

PHI/RS 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. Five hours academic credit.

PHI/PSY 562—HISTORY AND SYSTEMS OF PSYCHOLOGY

See PSY 562 for course description.

PHI 599—SELECTED TOPICS IN PHILOSOPHY**POLITICAL SCIENCE**

Courses in political science are offered by the Department of Political Science.

J. Daily, Acting Chair

Professors: G. Cox, J. Daily, S. Hashmi,

Z. Hashmi, J. Mann (Emerita), R. Pajari, L. Van Tassell

Associate Professors: R. Dick (Emeritus),

G. Harrison, S. Tracy

Assistant Professors: F. Ferguson, C. Gossett,

S. Jallow, L. Kelly, K. McCurdy,

P. Novotny, G. Okafor, S. Ratan, D. Sabia,

B. Sharpe

Temporary Assistant Professors: B. Balleck,

R. Davis

Part-time Assistant Professors: M. Classens,

G. Wood (joint appointment with Augusta

College), F. Willis

Temporary Instructors: K. Cook, B. White

PSC 250—AMERICAN GOVERNMENT

A study of the American government process with emphasis upon current problems and their roots in the past.

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 land-

mark 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 364—PUBLIC POLICY

An examination of the significance and process of public policy within the field of political science; special emphasis is on how public policies are formulated, implemented and evaluated.

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/LAS 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 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/AS 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 382—HUMAN RIGHTS IN INTERNATIONAL POLITICS

An examination of the vulnerability of various political minorities to human rights abuses at the global level and an assessment of the roles of states, international organizations, and non-governmental organizations in these issues.

PSC 384—POLITICS 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, functions, 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 towards 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.

R. Rogers, Chair

Professors: W. Jones (Emeritus), P. Kleinginna, M. Lloyd, G. McClure,

G. Richards (Emeritus), R. Rogers, E. Smith
Associate Professors: J. Kennedy, D. Webster
Assistant Professors: R. Dewey, W. McIntosh,
John Murray, J. Pugh, E. Sherwin, J. Steirn,
R. Terry, J. Wilson

PSY 150—INTRODUCTION TO PSYCHOLOGY

This course provides a survey of the basic subfields 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 uses 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 interpersonal 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 percep-

tion 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. Pre-

requisites: PSY 150 and a grade of C- or better in PSY 280.

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 hours experience per 1 hour of credit); maximum of 10 hours may be credited toward major. Prerequisites: 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 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, behavioristic and humanistic perspectives. Prerequisite: 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 area of special interest directed by a faculty member. Review paper required. Maximum of 10 hours may be credited toward major. Prerequisites: junior or senior standing in psychology; permission of instructor.

PSY 552—EXPERIMENTAL 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 452.

PSY 553—EXPERIMENTAL 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 455.

PSY 555—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 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 399—SELECTED TOPICS IN RELIGIOUS STUDIES

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 5405—THE BIBLE AS LITERATURE

See ENG 5405 for course description.

RS/HIS 381—INTRODUCTION TO THE HISTORY OF RELIGION IN THE UNITED STATES

See HIS 381 for course description.

RS/HIS 384—HERESY AND DISSENT IN WESTERN RELIGIOUS HISTORY

See HIS 384 for course description.

RS/HIS 451—THE AGE OF THE REFORMATION

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), W. Smith

Assistant Professors: T. Gormon, P. Hargis,

D. Hill, L. Pohlman, G. Pratt, J. Strickland,

J. Zhang

Temporary Instructor: L. Rigdon

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 280—INTRODUCTION TO SOCIAL WORK

A comprehensive introduction to the field of social work, including a brief history of the profession; its knowledge, skill, and value base; and its fields of practice.

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/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—GENDER ROLES

An exploration of the impact of gender identity upon people in this society, including definition, development, and change of gender roles.

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. Prerequisite: 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—DEVIANT BEHAVIOR

A study of the behavior that varies from cultural and social means.

SOC 365—SOCIOLOGY OF DEATH AND DYING

An examination of the sociocultural 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 372—SOCIAL WORK AND HEALTH CARE

A comprehensive introduction to social work in health care with exploration of the knowledge base and skills used, this course covers various health care settings and special populations of ill people. Sociology 150 or permission of 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. Prerequisites: SOC 150 and STA 255.

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 distinctions 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 instructor.

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 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 475—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 480—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 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

COLLEGE OF BUSINESS ADMINISTRATION

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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 (AACSB), the national accrediting agency for collegiate schools of business, at both the baccalaureate level and the masters level. The Department of Accounting has separate accreditation of the accounting program by the AACSB.

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 degrees.

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, Logistics and Intermodal Transportation, 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 Operations

Management (major in Management); Advertising, Fashion Merchandising, Retailing Management or Sales and Sales Management (major in Marketing); Banking, Risk Management and Insurance or Real Estate (major in Finance). (Applies 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 deans' office, the departmental offices, and in the Registrar's Office.

GENERAL REQUIREMENTS

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.

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 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 hours
- ECO 250, 251—Principles of Economics I and II 10 hours
- CIS 251—Introduction to Computer Information Systems 5 hours
- LST 252—Legal Environment of Business I 5 hours

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 curriculum consisting of the following seven courses:

- MKT 350—Principles of Marketing
- MGT 351—Management and Organizational Behavior
- FIN 351—Corporate Finance I
- MKT 355—Business Communications or ENG 3473—Writing in the Workplace
- MGT 354—Business Statistics
- MGT 355—Decision Science
- MGT 361—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 NON-BUSINESS 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
Non-business Electives 10 hours

The courses required for each authorized minor are specified in this catalog (see Minors, General Information section).

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.

ACCOUNTING

The accounting major educates students so that they can begin and continue to develop careers as professional accountants. The AACSB accredited program provides both entry-level competence to make sound independent judgments 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

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
ACC 355—Managerial Accounting I	5 hours
ACC 453—Accounting Information Systems	5 hours
ACC 455—Auditing	5 hours
ACC 552—Income Taxation I	5 hours
Restricted Electives of 10 hours selected from the following:	
ACC 451—Advanced Accounting	5 hours
ACC 457—Governmental and Institutional Accounting	5 hours
ACC 553—Income Taxation II	5 hours
ACC 555—Estate and Gift Taxation	5 hours
ACC 558—Accounting Theory	5 hours

EMPHASIS IN MANAGERIAL ACCOUNTING

A student who chooses an emphasis in managerial 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:

ACC 353—Intermediate Accounting I ...	5 hours
ACC 354—Intermediate Accounting II ..	5 hours
ACC 355—Managerial Accounting I	5 hours
ACC 453—Accounting Information	

Systems	5 hours
ACC 454—Managerial Accounting II	5 hours
ACC 455—Auditing	5 hours
ACC 552—Income Taxation I	5 hours
Restricted Electives of 10 hours selected from the following:	
ACC 553—Income Taxation II	5 hours
FIN 457—Corporation Finance II	5 hours
CIS 381—Introduction to Computer Programming	5 hours
CIS 382—COBOL Programming	5 hours
CIS 384—Systems Analysis and Design	5 hours

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:

ECO 352—Managerial Economics	5 hours
ECO 356—Global Economic Problems ..	5 hours
ECO 359—Analysis of the Aggregate Economy	5 hours
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:

ECO 352—Managerial Economics	5 hours
ECO 355—Agribusiness Analysis	5 hours
ECO 356—Global Economic Problems ..	5 hours
ECO 358—Agricultural Markets and Price Analysis	5 hours
ECO 359—Analysis of the Aggregate Economy	5 hours
ECO 451—Economic Development	5 hours
ECO 457—Agriculture Policy	5 hours

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 serve 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	
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.

Specific Requirements:

FIN 352—Financial Institutions	5 hours
FIN 354—Corporation Finance II	5 hours
FIN 355—Investments I	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.

Specific Requirements:

FIN 352—Financial Institutions	5 hours
FIN 354—Corporation Finance II	5 hours
FIN 355—Investments I	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.

Specific Requirements:

FIN 352—Financial Institutions	5 hours
FIN 354—Corporation Finance II	5 hours
FIN 355—Investments I	5 hours
FIN 357—Life and Health Insurance	5 hours
FIN 358—Property and Casualty Insurance	5 hours
FIN 359—Risk Management	5 hours
Finance elective	5 hours

EMPHASIS IN REAL ESTATE

The emphasis in real estate allows a student to specialize in the growing and dynamic field of real estate.

Specific Requirements:

FIN 352—Financial Institutions	5 hours
FIN 354—Corporation Finance II	5 hours
FIN 355—Investments I	5 hours
FIN 356—Principles of Real Estate	5 hours
FIN 451—Real Estate Law	5 hours
FIN 452—Real Estate Appraisal I	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 major in information systems builds on the student's knowledge of basic business functions to provide a solid understanding of the role of information technology in today's business environment. The curriculum includes a strong foundation in structured programming, systems analysis and design, application development with third and fourth generation languages, and advanced topics such as client-server systems, object-oriented programming and development, and decision support systems including group support systems. Information systems majors are prepared for a wide range of opportunities in

applied information systems.

Specific Requirements:

- 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 484—Data Communications 5 hours
- CIS 488—Applied Database Systems 5 hours
- One Information Systems Elective chosen from the following list (approved by an advisor) 5 hours
- CIS 460—Advanced Programming Systems
- CIS 470—Decision Support/Expert Systems
- CIS 486—Information Resource Management
- CIS 489—IS Development & Implementation

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 that 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 used in an effort to bring reality to 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 an 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 operations management. Each of these options is described below.

THE MANAGEMENT MAJOR WITHOUT AN AREA OF EMPHASIS

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.

Specific Requirements:

- 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

EMPHASIS IN ENTREPRENEURSHIP/ SMALL BUSINESS MANAGEMENT

This emphasis is designed for persons whose career aspirations include starting, managing and developing their own businesses. The distinguishing characteristic of the emphasis is that it focuses on teaching students how to assume total responsibility for a business enterprise. This emphasis is especially appealing to self-motivated individuals who prefer to be their own bosses and who are unafraid of expressing and taking action on their ideas.

Specific Requirements:

- MGT 370—Organizational Behavior and Organizational Politics 5 hours
- MGT 371—Human Resource Management 5 hours
- MGT 475—Management Information Systems 5 hours
- MGT 481—Entrepreneurship 5 hours
- MGT 482—Small Business Management 5 hours
- MGT 483—Applied Small Business Management 5 hours
- Upper Division Management Electives (Approved by an advisor) 5 hours

EMPHASIS IN HUMAN RESOURCE MANAGEMENT (HRM)

The human resource management emphasis allows a student to specialize in the study of personnel administration and human resource management. While this emphasis is especially appealing to individuals whose career aspirations are focused on working in the human resources management areas, the collection of courses included in this emphasis are relevant to managers in all areas of today's organizations.

Specific Requirements:

- MGT 370—Organizational Behavior and Organizational Politics
- MGT 371—Human Resource Management
- MGT 475—Management Information Systems
- Four HRM courses selected from the following:

- MGT 364—Current Issues in the Work Environment
 MGT 365—Collective Bargaining
 MGT 461—Staffing, Training and Development
 MGT 463—Employee Benefits
 MGT 472—Compensation

EMPHASIS IN OPERATIONS MANAGEMENT (OM)

The operations management emphasis allows the student to prepare for positions in manufacturing, and other organizations with operations departments. This emphasis prepares students for management careers in manufacturing and service organizations while much of the course work focuses on manufacturing management. The approaches that are covered and the skills that are developed are generalizable to service operations.

Specific Requirements:

- MGT 370—Organizational Behavior and Organizational Politics 5 hours
 MGT 475—Management Information Systems 5 hours
 MGT 476—Advanced Operations Management 5 hours
 MGT 477—Management of Quality 5 hours
 MKT 375—Business Logistics 5 hours
 An OM Elective chosen from the following (approved by an advisor) 5 hours
 MGT 478—Planning and Control Systems in Operations Management
 MGT 479—Management of Service Options
 MGT 480—Operations Strategy
 An upper division management elective (approved by an advisor) 5 hours

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 major in logistics and intermodal transportation prepares the student for this career choice by providing general knowledge of the field of business and supporting course work in the areas of logistics, transportation, and marketing. The program also offers an international emphasis, and internships are available and strongly recommended for qualified students.

Specific Requirements:

- LIT 357—Principles of Transportation .. 5 hours
 LIT 375—Business Logistics 5 hours
 MKT 352—Professional Selling 5 hours
 MKT 455—Marketing Management 5 hours
 LIT 462—Marine Transportation 5 hours
 LIT 463—Seminar in Intermodal Distribution 5 hours
 LIT 464—Air Transportation 5 hours
 Upper Division Business Electives: 10 hours suggested from:
 ECO 459—International Economics
 FIN 553—International Finance
 GGY 356—Economic Geography
 LST 360—International Law
 MGT 563—International Management
 MKT 465—International Marketing

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 four emphasis areas under marketing. No Fashion Merchandising 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;
 MKT 461—Buyer Behavior 5 hours
 MKT 452—Marketing Research 5 hours
 MKT 455—Marketing Management 5 hours
 Marketing Electives 20 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 356—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 Elective 5 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
suggested from:
- FM 363—Fashion Merchandising and
Promotion
- FM 365—Visual Merchandising

Course descriptions designated with the FM prefix may be found under the Family and Consumer Sciences course listings.

**EMPHASIS IN RETAILING
MANAGEMENT**

The retailing management emphasis is for students interested in retail careers or in marketing positions where knowledge of retailing is important.

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—Business to Business
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

**BACHELOR OF ARTS IN
ECONOMICS**

The requirements for this major are listed in the College of Liberal Arts and Social Sciences section of this catalog.

COURSE DESCRIPTIONS

**COLLEGE OF BUSINESS
ADMINISTRATION**

Carl W. Gooding, Dean
William B. Carper, Associate Dean

BA 130—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 399—SELECTED TOPICS IN BUSINESS

This course will serve as a vehicle for departmental offerings of elective courses on a trial basis, with the expectation that the offerings may be proposed as permanent additions to the curriculum.

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, 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.

J. Ralph Byington, Chair

Professors: R. Byington, L. Hamilton, O. James (Emeritus), P. LaGrone (Emeritus), J. Martin, H. O'Keefe, N. Quick (Emeritus)

Associate Professors: W. Bostwick, H. Harrell, N. Herring, R. Landry, L. Mooney, S. Wise
Assistant Professors: L. Fletcher, W. Francisco, K. Johnson, K. Williams, H. Wright

Instructors: W. Moore, A. Parham, B. Thompson

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 Intermediate Accounting I.
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 system concepts, applications and the processes 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 and the department chair.

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 instructor. This course may not substitute for a course in the accounting major. Prerequisite: Twenty hours of accounting; approval of the supervising instructor and department chair.

LST 252—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.

LST 353—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 or consent of instructor.

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

Professors: L. Carnes (Emeritus), R. Coston, F. Hodges (Emeritus), L. Price (Emeritus), D. Weisenborn (Emeritus), W. Whitaker

Associate Professors: E. Davis, S. Forbes, J. Hatem, M. Jones, W. Levernier,

D. Rickman, W. Smith (Emeritus), J. White

Assistant Professors: J. Brown, J. Budack,

T. Coe, J. Davis, B. Ewing, D. Grant,

K. Johnston, L. Medders, T. Richards,

L. Stewart

Instructor: W. Jones

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 and the firm, pricing and output under various market conditions, and resource pricing and employment. Economic analysis applied to a wide range of contemporary issues.

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 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: ECO 251 or consent of the instructor.

ECO/PHI 351—HISTORY OF ECONOMIC THOUGHT

A study of the development of modern economic analysis as evidenced in the writings of prominent economists with attention to the historic and philosophic context. Prerequisite: ECO 250 and 251, or ECO 260, 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. Prerequisite: ECO 251.

ECO 353—MONEY AND BANKING

A study of money, credit, and banking with emphasis on factors influencing the quantity of money and effects on employment, prices, and output. Economic analysis of banking and monetary policy. Prerequisite: ECO 250 and 251, or ECO 260.

ECO 354—LABOR ECONOMICS

A study of wage and employment determination in the labor market. Topics include discrimination, human capital and education, efficiency wage theory, labor unions, and income equality. Prerequisite: ECO 250 and 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: ECO 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. Prerequisite: ECO 250 and 251, or ECO 260.

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 affect 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. Prerequisite: ECO 250 and 251.

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 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: ECO 250 and 251.

ECO 451—ECONOMIC DEVELOPMENT

Economic analysis of growth patterns and technological change in developing countries. Emphasis on macro aspects of development planning and strategy. Prerequisite: ECO 250 or ECO 260.

ECO 452—COMPARATIVE 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 economies. Introduction to Marxian economic theory. Prerequisite: ECO 250 and 251, or ECO 260.

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: ECO 250 and 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: ECO 250 and 251.

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, 251, and 356, or consent of the instructor.

ECO 485—PUBLIC FINANCE

The facts and theories of American public finance; expenditures, revenues, fiscal administration; intergovernmental fiscal relations, government borrowing, and fiscal policy. Prerequisite: ECO 250 and 251.

ECO 596—SPECIAL PROBLEMS IN ECONOMICS

Independent study and research in selected areas of economics under supervision of a member of the faculty. Prerequisite: consent of the instructor.

ECO 599—INTERNSHIP IN ECONOMICS This internship is designed to allow upper division students in economics an opportunity to receive practical experience in their chosen field of study. Prerequisite: Junior-Senior standing and prior approval of department chair.

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 251, ACC 252, ECO 250, and ECO 251, or consent of instructor.

FIN 352—FINANCIAL INSTITUTIONS

The study of financial institutions and their role in financial markets. Prerequisites: FIN 351.

FIN 354—CORPORATION FINANCE II

A study of financial risk and return, capital budgeting, valuation, capital structure and dividend policy. Prerequisite: FIN 351.

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 354.

FIN 356—PRINCIPLES OF REAL ESTATE

Covers the ownership of property, transfer of title, liens, appraisals, and the real estate cycle.

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 360—PERSONAL FINANCIAL PLANNING

A study of the fundamentals of personal financial planning to include: the financial planning process, economic environment, legal environment, asset management, liability management, risk management and ethical professional practice.

FIN 451—REAL ESTATE LAW

The study of real property law to include leases, deeds, trusts, and mortgages.

FIN 452—REAL ESTATE APPRAISAL I

The study of the value of single and multi-family residential 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.

FIN 455—INVESTMENTS II

A study of price determination and behavior in the major capital markets as a basis for security analysis. Prerequisite: FIN 355.

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: FIN 454.

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 non-traditional banking activity, formation of new banks and or branches, trust powers, antitrust problems, commercial paper, FDIC and international banking.

FIN 462—REAL ESTATE APPRAISAL II

The study of the value of non-residential real estate.

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 352.

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 chair.

**DEPARTMENT OF
MANAGEMENT**

Courses in information systems and management are offered by the Department of Management.

T. Case, Acting Chair

Professors: H. Carter, T. Case, L. Dosier,

B. Keys, U. Knotts, L. Parrish, M. McDonald,

E. Murkison, J. Pickett, R. Stapleton, R. Wells

Associate Professors: L. Bleicken, M. Burns,

J. Gutknecht, J. Henry, R. Kent, G. Russell,

R. Stone

Assistant Professors: C. Campbell, T. McClurg,

C. Randall, S. Rebstock, C. Turner,

Instructors: C. Rogers, L. Smith, B. Williams

**CIS 251—INTRODUCTION TO COMPUTER
INFORMATION SYSTEMS**

A survey of 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 MAT 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 focuses on fundamentals 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 traditional data management 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 381 and CIS 384 or consent of instructor.

CIS 470—DECISION SUPPORT/EXPERT SYSTEMS

This course examines the application of computer-based decision support and expert systems 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 recommended.

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 489—INFORMATION SYSTEMS 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.

CIS 599—INTERNSHIP IN INFORMATION SYSTEMS

A supervised work-study program in selected business firms throughout the Southeast. 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.

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, leading, and controlling. Organizational behavior topics such as motivation, 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: MAT 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 decision making under certainty and uncertainty, inventory models, linear programming, Markov analysis, and queuing models. Prerequisite: MGT 354 or consent of instructor.

MGT 357—DEVELOPING 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 361—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 labor unions, including their history, legal environment, organizing procedures, and the collective bargaining process. Special emphasis is placed on negotiation skills. 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 including an analysis of leadership, influence processes, 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 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 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 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 met in day-to-day operation of business enterprise which require managerial action. Prerequisite: senior standing. MGT 351 or consent of instructor.

MGT 475—MANAGEMENT INFORMATION SYSTEMS

A survey of information technology for management decision-making in organizations. Emphasis is on the use of information technology for competitive advantage. Prerequisites: CIS 251 and MGT 351, or consent of instructor.

MGT 477—MANAGEMENT OF QUALITY

A study of the managerial issues that are important in understanding and implementing a corporate-wide "Management of Quality" program. Prerequisites: MGT 351, MGT 361 or consent of instructor.

MGT 478—PLANNING AND CONTROL SYSTEMS IN OPERATIONS MANAGEMENT

A study of how firms plan and control production. Emphasis is placed on understanding traditional production planning and control systems, how material and capacity is coordinated in complex facilities, and how new planning and control systems, such as JIT and DBR, differ from traditional systems in philosophy, requirements, and policy. Prerequisite: MGT 361.

MGT 479—MANAGEMENT OF SERVICE OPTIONS

A study of service organizations and current issues that service industries can respond to via formal analysis. The course will address the design and delivery of a service product; the definition and measurement of service quality; and the deployment of resources, both physical and human, to meet goals as stated by the service company. Prerequisites: MGT 361.

MGT 480—OPERATIONS STRATEGY

A capstone course for management students choosing an operations management emphasis. Understanding how the operations function can be used to provide a competitive advantage for a business. A study of higher-level operations decision-making. Prerequisites: MGT 361 and another operations management course or consent of instructor.

MGT 481—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, MKT 350, FIN 351 or consent of instructor.

MGT 482—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, MKT 350, FIN 351 or consent of instructor.

MGT 483—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 481 and MGT 482.

MGT 511—EXECUTIVE LEADERSHIP SEMINAR

This course will consist of invited guest lecturers executives (from industry, government, and education) presenting their views on leadership. Each class will be coordinated by a Georgia Southern faculty person who will assign selected readings on executive leadership. Prerequisite: Senior standing and by special permission only.

MGT 563—INTERNATIONAL MANAGEMENT

Designed to acquaint the student with an appreciation for and an understanding of the opera-

tions of the multinational firm. Prevailing management practices of various international companies are studied in depth. Prerequisite: MGT 351 or consent of instructor.

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. 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 and logistics and intermodal transportation are offered by the Department of Marketing.

M. Smith, Chair

Professors: W. Bolen, E. Randall, M. Smith, D. Thompson (Emeritus), J. White (Emeritus)

Associate Professors: R. Hilde, M. Miles, L. Munilla, C. Swift, C. Williams, J. Wilson

Assistant Professors: L. Denton, J. Ezell (Emeritus), B. Gibson,

A. Moxley (Emeritus)

Instructors: A. Oestreich, C. Woody

LIT 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 strategic considerations, including deregulation. Field trips may be required. Prerequisite: MKT 350.

LIT 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 will be required. Prerequisite: MKT 350.

LIT 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.

LIT 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

LIT 464—AIR TRANSPORTATION

Provides a broad understanding and managerial focus on the components, participants, activities, characteristics, scope and economic significance of the airline industry and its major segments. Federal regulations and their impact on the marketing of air transportation services, passenger and cargo, will also be discussed, as will the interface with other modes of transportation. Prerequisite: MKT 350.

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. Topics covered include 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 uses, preparation of sales presentations, methods of handling objections and closing sales, with emphasis on relationship selling. Videotaped role playing required. Prerequisite: MKT 350.

MKT 353—BUSINESS TO BUSINESS MARKETING

Management of business to business marketing activities with emphasis on marketing research, product or service strategy, marketing channels, and promotional and pricing 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 355—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 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 359—CREDIT AND COLLECTIONS

Management of consumer and mercantile credit. Analysis of credit risk. Management of collections and control of credit. Prerequisite: MKT 350 and MKT 351.

MKT 450—RETAIL MERCHANDISING AND CONTROL

Planning and analysis with reference to merchandise and expense budgets, pricing, purchase planning, buying techniques, stock control, and related retail operations. Prerequisites: MKT 350 and MKT 354.

MKT 451—INDUSTRIAL PURCHASING

Purchasing organization; purchasing procurement procedures and their application; role of purchasing in the business organization; procurement problems. Prerequisite: MKT 350

MKT 452—MARKETING RESEARCH

The role of research in the solution of marketing problems. Emphasis is on available data analysis

and methods of field investigation. Direct experience with large-system data entry and analysis in a field investigation 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.

MKT 456—SALES MANAGEMENT
Management of sales force activities. Emphasis on organization, territory design, leadership skills, motivation, and cost analysis. PrerequisiteS: MKT 350 and MKT 352.

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 multimedia 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. Prerequisite: MKT 350 and MKT 351.

MKT 460—ADMINISTRATIVE COMMUNICATION
Both theory and practice of oral and written communications in business organizations 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 355 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 sociocultural factors are studied. Prerequisite: MKT 350.

MKT 465—INTERNATIONAL MARKETING
World trade patterns. Management and marketing principles applicable to international business. Comparative marketing analysis of selected countries with an emphasis on cross cultural analysis and communication. Prerequisite: MKT 350 or consent of instructor.

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 after review of academic qualifications and with firms pre-approved by the Marketing faculty. An extensive report detailing the internship will be required. Prerequisite: Substantive coursework completed within major area of study. Approval of both the supervising faculty member 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 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.

TEACHER EDUCATION PROGRAM

The College of Education offers undergraduate and graduate programs to prepare personnel for work in public education. All programs are developed through the College of Education in collaboration with departments across the campus and with professionals in the field of education. (For graduate programs, see the Graduate Catalog.)

At the undergraduate level the teacher education programs lead toward the degree of Bachelor of Science in Education. Each teaching field program has been approved by the Georgia Professional Standards Commission, the National Council for Accreditation of Teacher Education, and the Southern Association of Colleges and Schools.

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 teaching field and must be recommended by the College of Education.

Although a student is ordinarily expected to graduate under the requirements of the catalog in

effect at the time of matriculation, certification requirements occasionally 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.

ADVISEMENT

All students must complete the core curriculum. Each student in Education is assigned to an advisor in the Advisement Center in the College of Education for program planning and course 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 major in education by the end of the sophomore year.

BACHELOR OF SCIENCE IN EDUCATION MAJORS OFFERED

The College of Education offers undergraduate programs leading to the Bachelor of Science in Education degree in the following areas:

ART EDUCATION

This major prepares students to teach art in grades Preschool-12 and to receive the Georgia Level Four Art (P-12) Professional Certificate.

EARLY CHILDHOOD EDUCATION This major prepares students to teach grades Preschool-5 and to receive the Georgia Level Four Early Childhood (P-5) Professional Certificate.

FOREIGN LANGUAGE EDUCATION This major prepares students to teach French, German, or Spanish in grades Preschool-12 and to receive the Georgia Level Four (P-12) Certificate in French, German, or Spanish.

HEALTH AND PHYSICAL EDUCATION

This major prepares students to teach in grades Preschool-12 and to receive the Georgia Level Four Health and Physical Education (P-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 Preschool-12 and to receive the Georgia Level Four Music (P-12) Professional Certificate. (A Bachelor of Music degree is conferred).

SECONDARY EDUCATION

This major prepares students to teach in a specific teaching field in grades 7-12. The teaching fields within Secondary Education are:

Business, English, Home Economics, Mathematics, Science, Social Science, and Technology.

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 Preschool-12 and to receive the Georgia Level Four Mental Retardation (P-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.

BSED 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 INTO 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 into the Teacher Education Program. The following criteria are required for admission to the baccalaureate-level program:

1. An adjusted GPA of 2.50 or better on coursework done at GSU. (For transfer students, a grade point average of 2.50 on all credit hours attempted at other institutions plus those hours attempted at GSU is required. Additionally a GPA of 2.50 is required on all work attempted at GSU.)
2. Successful completion of the Regents' Testing Program.
3. A grade of "C" or better in the introduction to education course (FED 251).
4. A grade of "C" or better in a 100 or 200 level course in mathematics.
5. Demonstration of competence in use of oral and written language currently determined by: (1) subjective evaluation during FED 251 (taken at GSU) 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 no later than 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 college 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 programs' "blocks courses."
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.)

The College of Education reserves the right to deny entry into student teaching if the student has been previously unsuccessful.

TEACHING CERTIFICATES

The programs offered by the College of Education at the graduate and undergraduate levels are designed to prepare teachers and other school personnel for certification in the State of Georgia. Types of certificates include the Georgia Levels Four, Five, Six, and Seven certificates for graduates who are holders of bachelors and higher degrees.

The College of Education, in accordance with the regulations of the Georgia Professional Standards Commission, provides courses for individuals who wish to reinstate expired certificates, add fields, and update certificates. These students must also be admitted into the Teacher Education Program and meet admission requirements to Student Teaching.

All graduates of the university who plan to teach in Georgia after graduation must file an application for a teaching certificate. Students enrolled in student teaching are given an opportunity to make application at a prescribed time.

All candidates for a teaching certificate must pass the Georgia teacher certification test in the appropriate field, must have transcripts reviewed by the Certification Program Coordinator, and be recommended to the Georgia Professional Standards Commission for certification. Forms for this purpose are available in the Office of the Dean and the College of Education Advisement Center.

BSED DEGREE PROGRAMS

ART EDUCATION MAJOR

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 Art (P-12) Professional Certificate.

General Requirements:

Core Curriculum Areas I, II and III—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 I 5 hours
ART 152—Two Dimensional Design 5 hours
ART 252—Three Dimensional Design .. 5 hours
Lower Division Art Elective 5 hours
HTH 131 and four hours of

physical education activity courses 7 hours

Professional Education—35 hours

FED 361—Educational Psychology 5 hours

EXC 450—Identification and Education of
Exceptional Students in the Regular

Classroom 5 hours

EMS 391—Curriculum and Methods in Art:

P-12 10 hours

EMS 491—Student Teaching 15 hours

Specialized Content for Teaching—60 hours

45 Hours from:

ART 250—Painting I 5 hours

ART 254—Printmaking I 5 hours

ART 255—Ceramics I 5 hours

ART 256—Sculpture I 5 hours

ART 257—Color Theory 5 hours

ART 258—Photography I 5 hours

ART 350—Painting II 5 hours

ART 352—Lettering and Layout 5 hours

ART 354—Printmaking II 5 hours

ART 355—Ceramics II 5 hours

ART 356—Sculpture II 5 hours

ART 370—Art for Children and Youth .5 hours

ART 371—Art for Adolescents 5 hours

ART 450—Painting 5 hours

ART 452—Commercial Design 5 hours

ART 456—Advanced Sculpture 5 hours

ART 490—Problems in Drawing 5 hours

ART 496—Problems in Ceramics 5 hours

15 Hours from Art History:

ART 280, 281, and an additional 5 hours of

upper division Art History 15 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 (P-5) Certificate.

General Requirements:

Core Curriculum Areas I, II and III—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

HTH 131 and four hours of

physical education activity courses 7 hours

Professional Education—46 hours

FED 361—Educational Psychology

Teaching/Learning in the Classroom . 5 hours

EC 454—Early Primary Practicum 5 hours

FCS 433—Practicum in Child

Development 3 hours

EC 460—Early Childhood Curriculum .. 5 hours

EC 461—Methods of Teaching Early

Childhood 5 hours

EC 462—Senior Seminar 5 hours

EC 437—Participation 3 hours

EC 491—Student Teaching 15 hours

Specialized Content for Teaching—54 hours

EC 457—Mathematics Approaches

for Children 5 hours

PE 337— Physical Education for Early

Childhood (P-5) 3 hours

HTH 531—Health for the Elementary

Schools 3 hours

EC 463—Science in Elementary School 5 hours

EC 455—Language Arts in Early

Childhood Curriculum 5 hours

RDG 459—Teaching of Reading 5 hours

RDG 430— Reading Practicum 3 hours

EC 453—Curriculum of the Social

Studies 5 hours

EDT 450—Introduction to

Instructional Technology 5 hours

EXC 450—Identification and Education of

Exceptional Students in the Regular

Classroom 5 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 (P-5)) 5 hours

EC 464—Creative Arts for Children 5 hours

EC 466—Integrating Children’s Literature

into the Early Childhood Curriculum . 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 (P-12) Professional Certificate.

General Requirements:

Core Curriculum Areas I, II and III—60 hours

Specific Requirements:

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 - 35 hours

FED 361—Educational Psychology 5 hours

EXC 450—Identification and Education of

Exceptional Students in the Regular

Classroom 5 hours

EMS 393—Curriculum and Methods in

Health and PE: P-12 10 hours

EMS 491—Student Teaching 15 hours

Specialized Content for Teaching - 84 hours

Health Requirements (23-25 hours):

HTH 350—Health and Disease 5 hours

HTH 550—General Safety and First Aid 5 hours

HTH 555—Organization and Materials of

School Health Programs 5 hours

Students select two of the following:

HTH 351—Sexuality Education 5 hours

HTH 352—Drug-Related Issues 5 hours

HTH 353—Consumer Health 5 hours

HTH 451—Community Health

Education 5 hours

HTH 537—Health Promotion Planning and

Research 5 hours

Professional Physical Education (45 hours)

PE 230—Dance and Aquatics 3 hours

PE 231—Tumbling/Track and Field 3 hours

PE 328—Theory of Sport Conditioning . 2 hours

PE 337—Physical Education for Early

Childhood (P-5) 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/SPT	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

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:

Core Curriculum Areas I, II and III - 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

Concentrations from Areas I, II, or
III of the Core Curriculum 20 hours

HTH 131 and four hours of

physical education activity courses 7 hours

Professional Education - 43 hours

FED 361— Educational Psychology 5 hours

EXC 450—Identification and Education of

Exceptional Students in the Regular
Classroom 5 hours

MG 452—Nature and Curriculum Needs of

Middle School Learners 5 hours

MG 492—Practicum and Methods in the

Middle Grades 5 hours

EDT 430—Instructional Technology for

Middle and Secondary School 3 hours

MG 491—Student Teaching 15 hours

Specialized Content for Teaching51 hours

Specific requirements for the Middle Grades

program consist of

(1) a core of required courses to provide breadth of preparation: 41 hours minimum

RDG 459—The Teaching of Reading 5 hours

MAT 530—Basic Ideas of Arithmetic 3 hours

MAT 531—Basic Ideas of Geometry 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 or

MUS 352—Music for Teachers: MG5 hours

(2) a primary concentration consisting of a minimum of 35 hours in mathematics, language arts, science or social studies; and

(3) a second concentration of 25 hours in music, art, physical education/health, mathematics, language arts, science, or social studies.

Courses to be used in the concentration areas

must be approved by the student's advisor.

**SECONDARY EDUCATION MAJORS
BUSINESS EDUCATION**

This program requires the completion of a minimum of 208 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:

Core Curriculum Areas I, II and III - 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

HTH 131 and four hours of

physical education activity courses 7 hours

Professional Education - 38 hours

FED 361—Educational Psychology 5 hours

EXC 450—Identification and Education of

Exceptional Students in the Regular
Classroom 5 hours

SED 354—Methods for Teaching Business

Subjects 5 hours

EDB 591—Methods of Teaching Accounting &

Data Processing 5 hours

SED 454—Secondary School

Curriculum 5 hours

EDT 430—Instructional Technology for Middle and Secondary School	3 hours
EDB 491—Student Teaching	15 hours
Specialized Content for Teaching - 58 hours	
ACC 251—Principles of Accounting I ...	5 hours
ACC 252—Principles of Accounting II .	5 hours
MKT 355—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 252—Legal Environment of Business	5 hours
STA 255—Introduction to Statistics Using the Computer	5 hours
VED 551—Trends in Career and Vocational Education	5 hours
CIS 251—Introduction to Computer Information System	5 hours
CSC 230—Introduction to Basic Programming	3 hours
Upper-division elective	5 hours
Elective outside content area	5 hours

ENGLISH EDUCATION

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; however the ten hours must be above the 152 level.

General Requirements:

Core Curriculum Areas I, II and III 60 hours

Specific Requirements:

Area IV - 30 hours

FED 251—Foundations of Education 5 hours

FED 260—Human Growth and

Development

ENG 253—The Human Image in Literature of

the Western World III

Advisor Approved Electives from Areas

I, II or III of the core curriculum 15 hours

HTH 131 and four hours of

physical education activity courses 7 hours

Professional Education - 43 hours

FED 361—Educational Psychology

EXC 450—Identification and Education of

Exceptional Students in the

Regular Classroom

5 hours

SED 355—Methods for Teaching Secondary

Language Arts

5 hours

RDG 560—Reading Strategies for

Middle and Secondary School

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 - 55 hours

ENG 341, 342—English Literature

8 hours

ENG 341, 342—American Literature

8 hours

ENG 541—Modern English Grammar ...

4 hours

ENG 4452—History of the English

Language

4 hours

ENG 5480—Adolescent Literature

4 hours

English Electives

17 hours

Foreign Language above the 152 level .

10 hours

FRENCH EDUCATION

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 French (P-12) Professional Certificate.

General Requirements:

Core Curriculum Areas I, II and III - 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 Applied Arts

5 hours

Advisor Approved Related Courses from Areas

I, II or III of the Core Curriculum 10 hours

HTH 131 and four hours of

physical education activity courses 7 hours

Professional Education - 35 hours

FED 361—Educational Psychology

5 hours

EXC 450—Identification and Education of

Exceptional Students in the

Regular Classroom

5 hours

EMS 392—Curriculum and Methods

in Foreign Language: P-12

10 hours

EMS 491—Student Teaching

15 hours

Specialized Content for Teaching - 50 hours

FRE 153—Elementary French III

5 hours

FRE 252—Intermediate French II

5 hours

FRE 353—French Civilization.

5 hours

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
 Related Courses approved by advisor .. 10 hours

GERMAN EDUCATION

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 German (P-12) Professional Certificate.

General Requirements:

Core Curriculum Areas I, II and III - 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 applied arts 5 hours
 Advisor Approved Related Courses from Areas
 I, II or III of the Core Curriculum 10 hours
 HTH 131 and four hours of
 physical education activity courses 7 hours

Professional Education - 35 hours

FED 361—Educational Psychology 5 hours
 EXC 450—Identification and Education of
 Exceptional Students in the
 Regular Classroom 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
 300 and 400 level German courses 40 hours
 Related courses approved by advisor ... 10 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:

Core Curriculum Areas I, II and III - 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
 HTH 131 and four hours of
 physical education activity courses 7 hours

Professional Education - 38 hours

FED 361—Educational Psychology 5 hours
 EXC 450—Identification and Education of
 Exceptional Students in the
 Regular Classroom 5 hours
 SED 352—Methods for Teaching
 Home Economics 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 - 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

MATHEMATICS 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 Mathematics (7-12) Professional Certificate.

General Requirements:

Core Curriculum Areas I, II and III - 60 hours

Specific Requirements:

FED 251—Foundations of Education 5 hours
 FED 260—Human Growth and Development 5 hours
 MAT 166—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
 HTH 131 and four hours of physical education activity 7 hours
Professional Education - 38 hours
 FED 361—Educational Psychology 5 hours
 EXC 450—Identification and Education of Exceptional Students in the Regular Classroom 5 hours
 SED 356—Methods for Teaching Mathematics 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 - 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 555—Data Management 5 hours
 Mathematics Applications 10 hours
 General Electives 4 hours

SCIENCE EDUCATION

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:

Core Curriculum Areas I, II and III - 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 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
 HTH 131 and four hours of physical education activity courses 7 hours

Professional Education - 38 hours

FED 361—Educational Psychology 5 hours
 EXC 450—Identification and Education of Exceptional Students in the Regular Classroom 5 hours
 SED 357—Methods for Teaching Science 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

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 40-50 quarter hours in one area and 15 quarter hours in each the three 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 181, 182, 183—General Chemistry
 CHE 261—Quantitative Analysis

Area IV - 30 hours

CHE 377,378—Organic Chemistry
 CHE 380—Introduction to Biochemistry
 or CHE 586—Biochemistry
 Chemistry: Additional courses to meet the minimum requirements of 45 quarter hours in Chemistry

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 Micropaleontology
 GGY 358—Conservation
 GGY 360—Weather and Climate
 GLY 555—Earth Science
 GLY 562—General Oceanography
 Earth-Space Science: additional courses to meet the minimum requirements of 50 quarter hours in Earth-Space Science
 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
 PHY 557—Introduction to Quantum Mechanics
 Physics: Additional courses to meet the minimum requirement of 50 quarter hours in Physics
 Biology, Chemistry, Earth-Space Science - 5 quarter hours in each of two areas

SOCIAL SCIENCE EDUCATION

This program requires the completion of a minimum of 210 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:

Core Curriculum Areas I, II and III - 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
 HTH 131 and four hours of physical education activity courses 7 hours
Professional Education - 38 hours
 FED 361—Educational Psychology 5 hours
 EXC 450—Identification and Education of Exceptional Students in the Regular Classroom 5 hours
 SED 358—Methods for Teaching Social Science 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 - 65 hours
 35-40 Hours of Upper Division Courses in History: Prerequisites: HIS 152, 153, 252, 253, ANT 150, SOC 150, GGY 250 and ECO 250, 251, or 260
 HIS 350—An Introduction to History 5 hours
 HIS 462—American Economic History of the United States 5 hours
 HIS 360—Global Economic Trends of the Modern Era 5 hours
 HIS 481—Constitutional History of the United States 5 hours
 Upper Division History which includes 5 hours in non-Western history 20 hours
 Upper Division Coursework in behavioral science, which includes ANT 353 10 hours
 Upper Division Coursework in geography 10 hours
 Upper Division Coursework in political science, which includes PSC 350 10 hours
 Elective Approved by the Advisor - 5 hours

SPANISH EDUCATION

This program requires the completion of a minimum of 192 hours in required courses and approved electives and leads to the Bachelor of Science in Education degree and the Georgia Level Four Spanish (P-12) Professional Certificate.

General Requirements:

Core Curriculum Areas I, II and III - 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 applied arts 5 hours
 Advisor Approved Related Courses from Areas I, II, or III of the Core Curriculum ... 10 hours
 HTH 131 and four hours of physical education activity courses 7 hours
Professional Education - 30 hours
 FED 361—Educational Psychology 5 hours
 EXC 450—Identification and Education of Exceptional Students in the Regular Classroom 5 hours
 EMS 392—Curriculum and Methods in Foreign Language: P-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
 300 and 400 level Spanish courses 40 hours
 Related courses approved by advisor ... 10 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 Mental Retardation (P-12) Professional Certificate.

General Requirements:

Core Curriculum Areas I, II and III - 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
 HTH 131 and four hours of physical education activity courses 7 hours

Professional Education-33 hours

FED 361—Educational Psychology 5 hours
 EC 460—Early Childhood Curriculum 5 hours
 RDG 459—The Theory of Reading 5 hours
 EDT 460—Instructional Technology for Exceptional Child Education 3 hours
 EXC 491—Student Teaching in Special Education 15 hours

Specialized Content for Teaching—50 hours

EXC 450—Identification and Education

of Exceptional Students in the Regular Classroom 5 hours
 EXC 453—Nature of Intellectual Disability 5 hours
 EXC 457—Differential Educational Diagnosis 15 hours
 EXC 468—Classroom Behavior Management 5 hours
 EXC 452—Approaches and Methods for Teaching the Mild Intellectually Disabled 5 hours
 EXC 456—Methods for the Moderate to Profoundly Intellectually Disabled 5 hours
 EXC 478—Communicating with Parents of EXC Children 5 hours
 EXC 470—EXC Child Practicum I 5 hours
 EXC 471—Clinical Practicum 5 hours
 EXC 479—Practices and Procedures in Exceptional Child Education 5 hours
 Electives approved by advisor 8-10 hours

TECHNOLOGY EDUCATION

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:

Core Curriculum Areas I, II and III - 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
 HTH 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 and Education of the Exceptional 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 Environment 5 hours

PM 250—Graphic Art Technology I 5 hours	SED 454—Secondary School Curriculum 5 hours
TD 130—Technical Drafting 3 hours	EDT 430—Instructional Technology for Middle and Secondary Schools 3 hours
TD 220—Computer Drafting 2 hours	TIE 491—Student Teaching 15 hours
TED 250—Introduction to Technology Education 5 hours	Specialized Content for Teaching - 55 hours*
Specific Teaching Field - 45 hours	Thirty hours from:
MFG 450—Automated Manufacturing Systems 5 hours	TIE 450—Seminar in Teaching Trade and Industrial Education 5 hours
MFG 350—Industrial Processes & Materials 5 hours	TIE 451—History and Policies of Trade and Industrial Education 5 hours
MFG 352—Metal Machining 5 hours	TIE 452—Organization and Management of Trade and Industrial Education Facilities 5 hours
MFG 354—Energy/Power Systems 5 hours	TIE 453—Curriculum Content of Trade and Industrial Education 5 hours
MFG 356—Electrical Technology 5 hours	TIE 460—Open-Entry for New Vocational Teachers 5 hours
PM 356—Desktop Publishing 5 hours	TIE 461—Introduction to Teaching Trade and Industrial Subjects 5 hours
TED 350—Lab Design, Management, Maintenance 5 hours	TIE 462—Instructional Strategies and Management Techniques in Trade and Industrial Education 5 hours
TED 452—Materials & Methods of Construction 5 hours	TIE 463—Internship for New Vocational Teachers 5 hours
TED 457—General Technology for Technology Education Teachers 5 hours	TIE 464—Advanced New Teacher Institute 5 hours
TRADE AND INDUSTRY MAJOR	VED 450—Trends in Career and Vocational Education 5 hours
HEALTH OCCUPATIONS EMPHASIS/	VED 453—School Shop Safety 5 hours
TECHNOLOGY EMPHASIS	VED 551—Cooperative Vocational Education Programs 5 hours
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.	SED 451—Individualizing Instruction ... 5 hours
General Requirements:	Supervised Work Experience (Health Occupations Emphasis)
Core Curriculum Areas I, II and III - 60 hours	Supervised Work Experience (Trade and Industry Emphasis)
Specific Requirements:	VED 491—Five hours each quarter for three quarters or two years of approved work experience related to trade and industry equal to 4000 work hours 15 hours
Area IV - 30 hours	Specialized Subject Matter - 25 hours
FED 251—Foundations of Education 5 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.
FED 260—Human Growth and Development 5 hours	EXC 450—Identification and Education of Exceptional Students in the Regular Classroom 5 hours
Advisor Approved Electives from Areas I, II or III of the Core Curriculum 20 hours	* Courses listed in Specialized Content for Teaching may be substituted in specialized subject areas when approved by advisor.
HTH 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	

COURSE DESCRIPTIONS

COLLEGE OF EDUCATION

Dr. Ann Converse Shelly, Dean
 Dr. Jennie F. Rakestraw, Associate Dean
 for Curriculum and Student Affairs
 Dr. Fred Page, Associate Dean for
 External Relations

The course offerings in the College of Education are presented through five departments.

DEPARTMENT OF EARLY CHILDHOOD EDUCATION AND READING

B. Stratton, Chair
 Professors: M. McKenna, M. Moore, B. Stratton
 Associate Professors: M. Grindler, A. Hosticka, J. Rakestraw
 Assistant Professors: C. Brewton, R. Browne
 B. Come, J. Feng, A. Heaston, J. Kent
 Instructors: S. Kent, P. Moller

EC 453—EARLY CHILDHOOD SOCIAL STUDIES

This course is designed to prepare students for teaching social studies. 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 454—EARLY PRIMARY PRACTICUM

This course is designed to provide the pre-service teacher with early primary settings (K-1). Students will observe children in a learning situation, plan and teach lessons in those classrooms under the guided supervision and with the evaluative processes of a college staff member and the classroom teacher. Prerequisites: EC 460, admission into Teacher Education and Senior standing.

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: Math 151, 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 (P-5) curriculum and current practices in the elementary school. Emphasis is placed on how schools might implement a developmentally appropriate program 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 the: 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 P-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 pre-service and/or in-service teacher who has not taken previously a course in children's literature. Foci 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 majors are required to schedule a block of thirteen hours concurrently: EC 461, EC 462, EC 437. Prerequisites: EC 460, admission into 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 child-

hood 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.

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 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 subject

DEPARTMENT OF EDUCATIONAL FOUNDATIONS AND CURRICULUM

J. Page, Chair

Professors: J. Page, E. Short

Associate Professors: D. Battle, B. Deever,

G. Dmitreyev, G. Gaston, D. Rea, C. Shea

Assistant Professors: N. Adams, M. Griffin,

D. Liston, K. Rittschoff, W. Seier,

R. Warkentin

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 philosophical, 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, FED 260 and admission into Teacher Education.

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 communitive 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: J. Bennett, R. Davison, S. Jenkins, G. Petrie, H. Pool, M. Richardson

Associate Professors: K. Clark, J. Gooden

Assistant Professors: R. Carlson, C. Douzenis, E. Downs, B. Griffin

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. Prerequisite: Admission into Teacher Education.

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. Prerequisite: Admission into Teacher Education.

EDT 460—INSTRUCTIONAL TECHNOLOGY FOR EXCEPTIONAL CHILD EDUCATION

An introduction to the effective uses of instructional technology for Exceptional Child majors. A systematic approach to selecting, producing, and utilizing various instructional technologies will be covered with an emphasis on the instructional uses of the computer. The course will correlate with the Exceptional Child pre-service experience. Prerequisite: Admission into Teacher Education.

EDT 591—SPECIAL TOPICS IN EDUCATIONAL TECHNOLOGY

This course is designed to promote specialized training appropriate to the needs of in-service personnel. Attention will be given to a range of specific problems as they reach special significance in local school systems.

Area IV - 30 hours

DEPARTMENT OF MIDDLE GRADES AND SECONDARY EDUCATION

F. Page, Acting Chair;

D. Thomas, Assistant Chair

Professors: P. Bishop, F. Page, J. Strickland,

J. Van Deusen

Associate Professors: M. Allen, B. EllLaissi,

R. Stevens

Assistant Professors: M. Schriver, J. Stephens,

C. Stewart, D. Thomas,

Instructor: V. Cole, E. Hall, B. McKenna

EMS 391—CURRICULUM AND METHODS IN ART: P-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, and admission into Teacher Education.

EMS 392—CURRICULUM AND METHODS IN FOREIGN LANGUAGE: P-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, and admission into Teacher Education.

EMS 393—CURRICULUM AND METHODS IN HEALTH AND PE: P-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, and admission into Teacher Education.

EMS 394—CURRICULUM AND METHODS IN MUSIC: P-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, and admission into 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, educational foundations, curriculum and methods, admission into Teacher Education, and admission to Student Teaching.

EMS 591—SPECIAL TOPICS IN P-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.

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. Prerequisites: MG 452 and admission into Teacher Education.

MG 452—NATURE AND CURRICULUM NEEDS OF MIDDLE SCHOOL LEARNERS

A course that examines the curriculum instruction, and organization of middle grades schools. This course provides a substantial knowledge-base in the nature and needs of early adolescents as well as in middle school curriculum and instruction. The course also includes a full, one school day field component in the form of a shadow study which is required. Prerequisites: FED 251, FED 260, and admission into Teacher Education.

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 organi-

zations, planning and evaluation of instruction, social studies techniques and materials appropriate for early adolescent learners and current trends in social studies. Students will plan and teach as an interdisciplinary team an interdisciplinary thematic unit in a middle school classroom. Coordinated with MG 455 and RDG 459. Prerequisites: MG 452 and admission into 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. Students will plan and teach as an interdisciplinary team an interdisciplinary thematic unit in a middle school classroom. Coordinated with MG 453 and RDG 459. Prerequisites: MG 452 and admission into 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 per cent; measurement and data analysis; special topics such as calculators, computers and problem solving. The course includes a field-based component which requires teaching middle grades mathematics. Coordinated with MG 463 and MG 495. Prerequisites: MG 452, MAT 151, and admission into 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. The course includes a field-based component which requires planning and teaching a science unit in a middle school classroom. Coordinated with MG 457 and MG 495. Prerequisites: MG 452, and admission into 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, educational foundations, curriculum and methods, admission into 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 a 7-10 day unit in a selected concentration area in a middle school classroom. Students will also plan and teach a teacher-based advisory activity and an exploratory activity in a middle school classroom. Prerequisites: Completion of teaching field methods courses, MG 452, MG 453, MG 455, MG 457, MG 463, MG 495, RDG 459 and admission into 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: MG 452 and admission into Teacher Education.

MG 495—HEALTH AND MOVEMENT CONCEPTS: MIDDLE GRADES

A study of the unique and changing physical characteristics of the early adolescent, and their impact on the social and emotional development of the early adolescent with a 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. Coordinated with MG 457 and MG 463. A field-based component will be included. Prerequisites: MG 452 and admission into Teacher Education.

MG 591—SPECIAL TOPICS IN MIDDLE GRADES

A study of current trends and issues in middle Area IV - 30 hours

grades education. The focus of the course will be tailored to meet the needs of pre-service teachers.

SED 352—METHODS FOR TEACHING HOME ECONOMICS

An introduction to various methods and materials for teaching home economics in the secondary school. This course includes a field-based component which requires teaching home economics in a secondary school classroom. Prerequisites: FED 251, FED 260, and admission into Teacher Education.

SED 354—METHODS FOR TEACHING BUSINESS SUBJECTS

An introduction to various methods and materials for teaching business subjects in the secondary school. This course includes a field-based component which requires teaching business in a secondary school classroom. Prerequisites: FED 251, FED 260, and admission into Teacher Education.

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. This course includes a field-based component which requires teaching language arts in a secondary school classroom. Prerequisites: FED 251, FED 260, and admission into Teacher Education.

SED 356—METHODS FOR TEACHING MATHEMATICS

A study of teaching methods and materials, curriculum content and trends in secondary school mathematics. This course includes a field-based component which requires teaching mathematics in a secondary school classroom. Prerequisites: MAT 151, FED 250, FED 260, and admission into Teacher Education.

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. A major emphasis is on the planning of a resource unit. This course includes a field-based component which requires teaching science in a secondary school

classroom. Prerequisites: MAT 151, FED 251, FED 260, and admission into Teacher Education.

SED 358—METHODS FOR TEACHING SOCIAL SCIENCE

A study of the social sciences in the 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. This course includes a field-based component which requires teaching social science in a secondary school classroom. Prerequisites: FED 251, FED 260, and admission into Teacher Education.

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. Students will plan and teach a 7-10 day unit in their specific teaching field in a secondary school classroom. Prerequisites: FED 251, FED 260, subject-specific method's course, and admission into 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, educational foundations, curriculum and methods, admission into 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

R. Martin, Acting Chair

Professors: J. Bergin, A. Chew

Associate Professors: C. Alexander, D. Grant

S. Heggoy, R. Martin

Assistant Professors: R. Carroll, C. Ferguson,

D. Hammitte, L. Hemberger, M. Jackson,

S. Kenney, J. Seabrooks, L. Spencer

Instructors: R. McCall, B. Wasson

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 Block:

Special Education majors (P-12) are required to schedule a block of 15 hours concurrently: EXC 470, EXC 471, and EXC 478. Prerequisites include admission into Teacher Education, completion of EDT 460, EC 460, EXC 450, EXC 452, EXC 453, EXC 456, EXC 457, EXC 468, EXC 479, RDG 459, and proof of professional liability insurance.

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, multi-handicapped, autistic, hearing impaired, visually impaired or other areas of specific needs which may be identified. Note: This course meets certification requirements mandated by H. B. 671. Prerequisite: Admission into Teacher Education.

EXC 452—APPROACHES AND METHODS FOR TEACHING THE MILD INTELLECTUALLY DISABLED

This course involves the presentation of curriculum approaches which can be used in class for the intellectually disabled with concurrent review, demonstration and preparation of programs, methods and materials for individual and

group needs. Prerequisites: Admission into Teacher Education, EXC 453, and EXC 457 or permission of the instructor.

EXC 453—NATURE OF INTELLECTUAL DISABILITY

A review of syndromes, characteristics, causes, behavior and special problems with intellectual disabilities with implications for education and training. Prerequisite: Admission into Teacher Education.

EXC 456—METHODS FOR THE MODERATE TO PROFOUNDLY INTELLECTUALLY DISABLED

An introduction to methods and materials for students with moderate, severe and profound disabilities in self-contained and resource classrooms. Emphasis is placed on the diagnostic prescriptive process. Prerequisites: Admission into Teacher Education and EXC 452.

EXC 457—DIFFERENTIAL EDUCATIONAL DIAGNOSIS I

The purpose of this course is to introduce standardized evaluator tools and teacher-made criterion reference tests for the evaluation of exceptional children. Laboratory experience in the use of these instruments and case studies with specific recommendations are part of course content. Prerequisite: Admission into Teacher Education.

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. Prerequisite: Admission into Teacher Education.

EXC 470—EXCEPTIONAL CHILD PRACTICUM I

This course is designed to provide EXC majors with experience in and application of educational procedures used in clinical teaching of students who are in a regular classroom. The practicum participants will demonstrate skills in the areas of assessment, prescription, implementation and evaluation with emphasis on application of these skills under supervision. This course is taken concurrently with EXC 471 and Area IV - 30 hours

EXC 478 as part of the special education block. Prerequisites: Admission into Teacher Education, EDT 460, EXC 450, EXC 452, EXC 453, EXC 456, EXC 457, EXC 468, EXC 479, RDG 459, and proof of professional liability insurance.

EXC 471—CLINICAL PRACTICUM

This course is designed to provide EXC majors with experiences and application of the educational procedures used in clinical teaching of students identified as special education. The practicum participants will demonstrate skills in the areas of assessment, prescription, program implementation and evaluation with emphasis on application of these skills under supervision. This course is taken concurrently with EXC 470 and EXC 478 as part of the special education block. Prerequisites: Admission into Teacher Education, EDT 460, EXC 450, EXC 452, EXC 453, EXC 456, EXC 457, EXC 468, EXC 479, RDG 459, and proof of professional liability insurance.

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. This course is taken concurrently with EXC 480 and EXC 471 as part of the special education block. Prerequisites: Admission into Teacher Education, EDT 460, EXC 450, EXC 452, EXC 453, EXC 456, EXC 457, EXC 468, EXC 479, RDG 459, and proof of professional liability insurance.

EXC 479—PRACTICES AND PROCEDURES IN EXCEPTIONAL CHILD EDUCATION

This course is designed to provide competency in legislative requirements and procedures associated with the assessment, placement, and teaching of exceptional children including IEP's, eligibility reports, transition and termination plans, lesson plans, and units. Prerequisites: Admission into Teacher Education and EXC 450 or concurrent.

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: Admission into Teacher Education, 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. Prerequisite: Admission into Teacher 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.

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 nonmajors.

EDB 351—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. Prerequisites: Admission into Teacher Education and EDB 251 or equivalent.

EDB 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. Prerequisites: Admission into Teacher Education and EDB 251 or equivalent.

EDB 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. Prerequisites: Admission into Teacher Education and EDB 251 or equivalent.

EDB 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. Prerequisites: Completion of teaching field, completion of methods and curriculum, Admission into Teacher Education, and admission to Student Teaching.

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. Prerequisite: Admission into Teacher Education.

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. Prerequisites: Admission into Teacher Education and 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. Prerequisite: Admission into Teacher Education.

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 develop-
Area IV - 30 hours

ment of prototypes. Prerequisites: Admission into Teacher Education.

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 into Teacher Education, and admission to Student Teaching.

TED 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. Prerequisite: Admission into Teacher Education.

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 461—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 into 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 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 591—SPECIAL PROBLEMS

**COLLEGE OF HEALTH AND
PROFESSIONAL STUDIES**

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PURPOSE AND FUNCTIONS

The College of Health and Professional Studies provides students preparation and experience in several interrelated areas. The College is composed of five academic departments: Family and Consumer Sciences, Health Science Education, Nursing, Kinesiology, and Recreation and Leisure Services. A sixth unit, the Center for Rural Health and Research, initiates interdisciplinary service and research projects designed to improve the health status of rural Georgians.

Students pursuing majors in health promotion, community health education, athletic training, 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 (NCLEX-CAT) for licensure as a registered nurse. Students majoring in one of the areas of recreation 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 Bachelor of Science degree in Family and Consumer Sciences. 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.

PRE-PROFESSIONAL PROGRAMS AFFILIATED WITH THE COLLEGE OF HEALTH AND PROFESSIONAL STUDIES

PRE-PHYSICAL THERAPY &

PRE-OCCUPATIONAL THERAPY Pre-physical therapy and Pre-occupational therapy are not majors. The Department of Health Science Education provides advisement to those students who wish to pursue these areas of interest. Please call (912) 681-5266 and make an appointment with an advisor, or register for HTH 120—Orientation to Physical and Occupational Therapy.

PRE-PHYSICAL THERAPY

The requirements for admission to institutions 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 the departmental secretary, Department of Health Science Education, Hollis Building, room 1104, or phone (912) 681-5266.

PRE-OCCUPATIONAL THERAPY

Admission requirements and programs of study are similar to those for pre-physical therapy. Interested students should contact the departmental secretary, Department of Health Science Education, Hollis Building, room 1104, or phone (912) 681-5266.

PRE-SPORTS MEDICINE

All students who want to pursue a major in sports medicine will be classified as pre-sports medicine majors until they apply for and are accepted into the sports medicine professional education program. The pre-sports medicine program also includes a required directed observation experience. Information, application materials, student consultations, and admission criteria may be obtained through the Department of Kinesiology.

PRE-NURSING

Students who wish to pursue the nursing major at Georgia Southern will be classified as pre-nursing until they apply for and are accepted into the Bachelor of Science in Nursing degree program. Students who plan to apply for admission to nursing degree programs in other institutions should contact those institutions for information, since admission requirements and programs of study in nursing are not identical. The following is a suggested plan of study for pre-nursing students who wish to pursue admission to the BSN degree program at Georgia Southern:

CHE 171, 172	10 hours
ENG 151, 152 and 251, 252, or 253	15 hours
MAT 150 or 151	5 hours
HIS 152 or 153; and HIS 252 or 253	
and PSC 250	15 hours
Area I and Area II Electives	10 hours
SOC 150 and PSY 150	10 hours
BIO 271, 272, and 284	15 hours
NFS 252	5 hours

FCS 371	5 hours
Physical Education Activity Courses	4 hours
HTH 131	3 hours
For additional information, contact the BSN Program secretary, Department of Nursing, Nursing Building II, room 104 or phone (912) 681-5242. RN students wishing to pursue the BSN degree should contact the RN-BSN Degree Completion Track secretary, Nursing Building I, room 122 or phone (912) 681-5994.	

BACHELOR OF SCIENCE IN EDUCATION

HEALTH AND PHYSICAL EDUCATION MAJOR

This major, offered in conjunction with the College of Education, serves students who plan to enter the field of education. The Health and Physical Education major provides the student with professional preparation in the teaching of health and physical education. Successful completion of the requirements for the Bachelor of Science in Education with a major in Health and Physical Education also leads to the Georgia Level Four Health and Physical Education (P-12) Professional Certification. Students desiring to major in Health and Physical Education should consult the College of Education for information concerning admission and degree requirements.

GENERAL EDUCATION REQUIREMENTS

Core Curriculum Areas I, II, and III 60 hours

HTH 131

Area IV Requirements 30 hours

FED 251

FED 260

BIO 271

BIO 272

Advisor-approved electives from

Areas I, II, and III 10

Professional Education

Requirements 35 hours

FED 361

EMS 393

EXC 450

EMS 491

Physical Education

Requirements 59 total hours

Professional Physical Education

Requirements 45 hours

PE 230

PE 231	3
PE 328	2
PE 337	3
PE 338	3
PE 339	3
PE 352	5
PE 354	5
PE 536	3
PE 555	5
PE 558	5
PE 561	5

Physical Activity Requirements

(Includes 4 hours from core) 8 hours

PEA 293

The seven remaining activity courses should be selected from a variety of activities to ensure breadth in physical activity. The following is a recommended strategy:

One Fitness Activity

Two Individual or Dual Sport Activities

Two Team Sport Activities

One Rhythm & Dance Activity

One Tumbling and Gymnastics Activity

Coaching Courses 6 hours

Students should select 2 courses from the following:

PE 232

PE 331

PE 334

PE 335

PE 336

PE 432

PE 435

Professional Health Education

Requirements 23-25 hours

HTH 350

HTH 550

HTH 555

Students select two of the following:

HTH 351

HTH 352

HTH 353

HTH 451

HTH 537

BACHELOR OF SCIENCE IN EDUCATION

HOME ECONOMICS MAJOR

This program leads to the bachelor of Science in Education degree and the Georgia Level Four Home Economics (7-12) Professional Certificate.

GENERAL EDUCATION REQUIREMENTS

Core Curriculum Areas I, II and III 60 hours
 HTH 131 (3 hours)

and P.E. Activity Classes (4 hours) 7 hours

Area IV Requirements 30 hours

FED 251 5

FED 260 5

Advisor-approved electives from

Area I, II & III 20 hours

Professional Education

Requirements 38 hours

FED 361 5

SED 352 5

EDT 430 3

EXC 450* 5

SED 454 5

SED 491 15

Specialized Content for Teaching 54 hours

AD 168 5

HEC 210 1

IDH 281 5

NFS 251 or NFS 351 5

NFS 352 5

AD 362 5

FM 364 5

IDH 385 5

HEC 438 3

FCS 471 5

FCS 472 or FCS 474 5

HEC 486 5

**Special Education Course Required by State of Georgia HB 671*

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.

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 are required for graduation.

Although the Bachelor of Science in Family and Consumer Sciences does not require a minor, except for the major in 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

Core Curriculum, Areas I, II and III 60 hours
 Health (3 hours) and

PE Activity Classes (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, CAT 257 or ART 160 5

NFS 251 5

FCS 271 5

IDH 281 5

Specific Requirements 68—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 25 hours	
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 150	5
CAS 251	5
FCS 271	5
NFS 251	5
AD 168	5

Specific Requirements 66—71 hours

FCS 471	5
FCS 472 or 474	5
HEC 210 or 410	1
HEC 486	5
HEC 491	10-15
HEC 580	5
IDH 281	5
IDH 385	5
IDH 387	5
NFS 151	5
NFS 352	5
FM 364	5
FM Elective	5

Thirty hours planned with advisor, selected from business, communication arts, home economics and/or other areas 30

FAMILY AND CHILD STUDIES

This major is designed for 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 150	5
SOC 150	5

CAS 251 or CAT 257	5
IDH 281	5
NFS 251	5
FM 260 or AD 168	5

Specific Requirements 71-76 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
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	5
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Family Service Emphasis 25 hours

SOC 350	5
SOC 370	5
SOC 453	5
SOC 466	5

Choose five hours from: ANT 353; FCS 479;

FCS 572; PSY 350; PSY 371; PSY 375	5
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Family Development Emphasis 25 hours

FCS 479	5
FCS 577	5
FCS 578	5
SOC 381	5

Choose five hours from: PSY 350, PSY 374,

PSY 375, SOC 358, SOC 359, or HEC 580	5
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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 362; AD 461; ADM 452; ART
252; FM 366; FM 562; IDH 385; MKT 351/
352; MKT 354; OR MKT 450..... 20

Optional Minor or Advisor-Approved

Electives

Students in this program are encouraged to add
the Business minor as outlined in this catalog
(see Minors-General Information section).

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 Ameri-
can Dietetic Association.

Area IV Requirements

CAS 251	5
ECO 260	5

Select five hours from:

SOC 150; ANT 150; PSY 150	5
FCS 271	5
IDH 281	5
FM 260	5

Specific Requirements

HEC 210 or 410	1
HEC 486	5
CIS 251	5
NFS 151	5
NFS 251/351	5
NFS 455	5
NFS 457	5
RHI 456	5
RHI 556	5
RHI 558	5
MGT 351	5

Dietetics Emphasis

	64 hours
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ANT 150, PSY 150, 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

	30-45 hours
NFS 467	5
NFS 491	10-15
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 mini-
mum 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.

Area IV Courses

	30 hours
SOC 150 or PSY 150	5
CAS 251	5
FCS 271	5
NFS 151	5
FED 251	5
FED 260	5

Specific Requirements

	94 hours
IDH 281	5
IDH 385	5
NFS 351 or 251	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 15

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

ART 151 5
 ART 152 5
 ECON 260 or ACCT 260 5
 FCS 271 5
 IDH 281 5
 TD 152 5

Specific Requirements 89-94 hours

HEC 210 or 410 1
 HEC 580 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
 BCC 431 3

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
 STA 255 5
 FCS 271 5
 NFS 151 5
 NFS 253 5

Specific Requirements 101-106 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 457 5
 NFS 467 5
 NFS 326 2
 RHI 153 5
 RHI 336 3
 RHI 355 5
 RHI 357 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.*

BACHELOR OF SCIENCE IN HEALTH SCIENCE

COMMUNITY HEALTH PROMOTION MAJORS

This degree program offers the student the choice of four majors: Community Health, Health Promotion and Sports Medicine and a major in Sport Management. Students must meet the following requirements in order to be admitted to the majors of Community Health and Health and Fitness Promotion:

1. Must have completed 60 hours with at least 10 hours of "C" or better work from the following courses: CHE 171/172 or CHE 181/182, BIO 271/272, STA 255/256, PHY 251/252, and/or NFS 251.
2. An adjusted GPA of 2.25 or higher is required on all work attempted at GSU.
3. Transfer students must have a GPA of 2.25 or higher on work attempted at other institutions plus all hours attempted at GSU. A grade of C or better must be earned in each course in Area IV and above to satisfy specific requirements of these majors.

GENERAL EDUCATION REQUIREMENTS

Core Curriculum Areas I, II, and III 60 hours
 HTH 131 (3 hours) and
 PE Activity Classes (4 hours) 7 hours

Area IV Requirements 30 hours

CIS 251	5
FED 260	5
NFS 251	5
BIO 271, 272, & BIO 284	15
Requirements Specific to Health Promotion & Community Health Majors	47 hours
HTH 230	3
HTH 321	2
HTH 350	5
HTH 351	5
HTH 352	5
HTH 353	5
HTH431	3
HTH 432	3
HTH 451	5
HTH 537	3
HTH 538	3
HTH 550	5
Requirements Specific to Health Promotion Major	27 hours
MKT 350	5
PE 554	5
HTH 520	2
HTH 491	15
Electives	20
Restricted Electives	10
PE 551	5
PE 555	5
Free Electives	10
Requirements Specific to Community Health Major	32 hours
PSY 551	5
SOC 371	5
SOC 452	5
HTH 520	2
HTH 491	15
Free Electives	15

SPORT MANAGEMENT MAJOR

The Bachelor of Science in Health Science with a major in Sport Management provides the student with academic preparation and practical experience in the skills and techniques required to be successful in the sport industry. The curriculum has program approval from the National Association of Sport and Physical Education (NASPE) and the North American Society of Sport Management (NASSM). The student with a major in Sport Management may enter one of the following occupations in the sport industry: professional or collegiate sport management; operation of private sport enterprises; facility and event management; sport promotion and

marketing; sport information; and, radio/TV broadcasting. Students completing the requirement for a major in Sport Management also receive a minor in Business. A significant portion of the coursework in this major is offered through the Department of Kinesiology. Students desiring to major in Sport Management should consult the Department of Kinesiology for information concerning admission and degree requirements.

GENERAL EDUCATION REQUIREMENTS

Core Curriculum Areas I, II, and III 60 hours
HTH 131 (3 hours) and

 PE Activity Classes 4 hours

Area IV Requirements 30 hours

STA 255

SOC 150 or PSY 150

CIS 251* or STA 256

ENG 271, ACC 260*, CA 250*, SM 250*

BIO 271, 272, NFS 251

* Area IV requirements specific to Sport Management

Sport Management Core 30 hours

SM 351

SM 451

SM 454

SM 456

SM 550

REC 453

Business Core 30 hours

ECO 260*

MKT 350

MGT 351

FIN 351

One of the following two courses:

MGT 371

 or MGT 352

*Course taken in Area III

Areas of Emphasis (Select one: 20 hours)

Sport Administration

SM 450

SM 452

SM 453

SM 551

PE 554

PE 558

Sport Promotion

CAP 340

CAP 342

CAP 440

MKT 351

MKT 352

MKT 457	5
PM 336	3
Sport Communication	
CAJ 252	5
CAJ 343	4
CAJ 445	4
CAB 347	4
CAB 444	4
CAB/SM 455	5
CAJ/CAB 446	4
CA 254	5
MKT 352	5
Internship	
SM 591	15
Electives	8 hours

BACHELOR OF SCIENCE IN MEDICAL TECHNOLOGY

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 of 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.

GENERAL EDUCATION REQUIREMENTS

Curriculum Areas I, II, and III	60 hours
HPE 131 (3 hours) and PE Activity Classes (4 hours)	7 hours
Area IV Requirements	30 hours
BIO 271	5
BIO 272	5
CHE 181	5
CHE 182	5
CHE 183	5
STA 255	5
Major Requirements	20 hours
CHE 377	5
CHE 378	5
BIO 484	5
BIO 553	5
Other Electives	12 hours

HTH 321	2
HTH 451	5
HTH 550	5
Medical Technology course work to be taken at Armstrong State College	76 hours
TOTAL HOURS	205

BACHELOR OF SCIENCE IN HEALTH SCIENCE

THE SPORTS MEDICINE MAJOR

The major in the Sports Medicine is offered through the Department of Kinesiology; this major provides comprehensive, entry-level academic preparation in the profession of athletic training. Students are involved in an integrated academic and clinical program which uses an interdisciplinary approach to learning and which offers a wide range of practical experiences. Degree requirements include both classroom and clinical education experiences. The primary clinical education settings are on campus; however, some off-campus settings are also included in the clinical program. Students are responsible for their own transportation to and from off-campus clinical sites.

Official admission to the sports medicine program is based on selected criteria related to GPA, coursework completed, application quality, previous experience and certifications. Students must be admitted into the sports medicine program prior to enrollment in the sports medicine major courses. Application materials and criteria are available from the Sports Medicine Program Advisor, Department of Kinesiology. All students who want to pursue a major in sports medicine will be classified as pre-sports medicine majors until they apply for and are accepted into the sports medicine professional education program.

The sports medicine major at Georgia Southern University is a three year program typically beginning in the sophomore year. Minimally, sports medicine clinical experiences require 5-8 hours per week for pre-sports medicine students and 12-15 hours for first through third year students.

GENERAL EDUCATION REQUIREMENTS

Core Curriculum Areas I, II, III	60 hours
HTH 131 (3 hours) and P.E. Activity Classes (4 hours)	7 hours
Area IV Requirements	30 hours

BIO 271 5
 BIO 272 5
 NFS 251 5
 PHY 251 5
 STA 255 5
 HTH 123 2
 HTH 233 3
Health Science Core 30 hours
 HTH 320 2
 HTH 321 2
 HTH 331 3
 HTH 550 5
 PE 354 5
 PE 435 3
 PE 555 5
 PE 556 5
Clinical Skills 9 hours
 HTH 312 1
 HTH 313 1
 HTH 314 1
 HTH 412 1
 HTH 413 1
 HTH 414 1
 HTH 512 1
 HTH 513 1
 HTH 514 1
Major Requirements 26 hours
 HTH 343 4
 HTH 344 4
 HTH 355 5
 HTH 356 5
 HTH 430 3
 HTH 560 5
Electives 28 hours
(A minimum of 15 hours from the following)
 PE 551 5
 PE 561 5
 PHY 252 5
 PHY 253 5
 SM 452 5
 FCS 371 5
 NFS 252 5
 STA 256 5
TOTAL HOURS 190

BACHELOR OF SCIENCE IN NURSING

Upon completion of the program, the graduate will be prepared 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. A 2.70 adjusted GPA is required on all college level work for admission to the BSN program. In addition to the University application, a separate application must be completed for admission to the BSN Program. Contact the Department for further information.

GENERAL EDUCATION REQUIREMENTS

Core Curriculum Areas I, II, and III 60 hours

***Area IV and Other Requirements .. 42 hours**

BIO 271 5
 BIO 272 5
 BIO 284 5
 SOC 150 or PSY 150 5
 HTH 131 3
 Physical Education Activity 4
 Free Elective 5
 FCS 371 5
 NFS 252 5
***Professional Nursing Requirements 85 hours**
 NUR 235, 245, 260, 265 15
 NUR 300, 310, 315 13
 NUR 320, 325 9
 NUR 340, 360, 365 13
 NUR 410, 415 9
 NUR 420, 425, 430, 435 14
 NUR 480, 485, 490 12

RN-BSN COMPLETION

Registered nurses who wish to obtain their Bachelor of Science in Nursing may do so in the RN-BSN Degree Completion Track. Students must apply to the Department of Nursing for admission. The RN-BSN completion track is also offered by distance learning at selected sites. RN-BSN students must meet the same admission standards as all Bachelor of Science in Nursing students plus have a current Georgia RN license.

GENERAL EDUCATION REQUIREMENTS

Core Curriculum Areas I, II, and III 60 hours

Area IV and Other Requirements 41 hours

BIO 271 5
 BIO 272 5
 BIO 284 5
 SOC 150 or PSY 150 5
 NFS 252 5
 SOC/ANT 457 5
 FCS 371 5
 Physical Education Activity Courses 4
 HTH 320 2

* Pending approval of accrediting agencies

Professional Nursing Requirements . 89 hours

NUR 350	5
NUR 341,342,343	12
NUR 351,352,353	15
NUR 355,391	12
NUR 421, 423	4
NUR 492, 493, 494	21
NUR 445, 447, 448	12
NUR 495	3
NUR 550 or 556	5

BACHELOR OF SCIENCE IN RECREATION

This program, designed to meet the needs for educated, applied personnel in the field of leisure services, is offered in the Department of Recreation and Leisure Services. A student may choose an area of specialization from one of five emphases areas: Recreation Administration, Therapeutic Recreation, Resort and Commercial Recreation, Natural and Cultural Resource Management, or Travel and Tourism Management. Students are encouraged to pursue a minor in business, health, humanities, physical or social sciences that will compliment their chosen academic emphasis.

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. A student must have a minimum adjusted grade point average of 2.0 to enter the recreation degree program.

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

Core Curriculum Areas I, II, and III 60 hours

Area IV Requirements 30 hours

SOC 150, PSY 150, ANT 151 or an

approved RHI course 5

Art, Music, or Communication 5

CIS 251 or REC 254 5

REC 151 5

REC 152 5

REC 252 5

Upper Level Professional 45 hours

REC 353 5

REC 356 5

REC 358 5

REC 365 5

REC 451 5

REC 453 5

REC 459 5

REC 491 10-15

OTHER REQUIREMENTS AND**ELECTIVES:**

A student elects one of the following emphases: Recreation Administration, Therapeutic Recreation, Resort and Commercial Recreation, Natural and Cultural Resource Management or Travel and Tourism Management; courses from the following list are selected based on this decision.

(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 376 5

REC 398 1-5

REC 454 5

REC 455 5

REC 456 5

REC 457 5

REC 458 5

REC 475 5

REC 476 5

(b) Non-recreation, Advisor-approved Electives (300-400 level) 15-20 hours

(c) Other Requirements 10 hours

Physical Education 5

Health 3

REC 310 and 410 2

Students wishing to pursue an emphasis in Therapeutic Recreation must complete FED 260, BIO 271 and PSY 371 and major prerequisites prior to acceptance.

COURSE DESCRIPTIONS

COLLEGE OF HEALTH AND PROFESSIONAL STUDIES

Dr. Frederick K. Whitt, Dean

Dr. Lyn Wolfe, Assistant Dean

DEPARTMENT OF FAMILY AND CONSUMER SCIENCES

Dr. John J. Beasley, Chair

Professors: J. Beasley, B. Lane (Emerita)

Associate Professors: D. Cone, J. Kropp,

D. Pearce (Emerita)

Assistant Professors: E. Brown,

S. Darrell (Emerita), B. Fields, M. Black,

W. Koszewski, C. Martin, S. Smith,

S. Thomas, D. Turner, P. Walton,

S. Whitener (Emerita)

Laboratory Teachers: C. Ellis, B. Waters

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, and 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 150 or SOC 150 or ANT 150 or ECO 250 or ECO 260.

AD 168—INTRODUCTORY CLOTHING

Emphasizes selection, buying problems, con-

struction and care of clothing. Experiences in the newer methods of construction and fitting.

Two lectures, six laboratory hours weekly.

AD 350—PRINCIPLES OF TEXTILE/ APPAREL DESIGN

Development of basic drawing skills as related to functional, structural and decorative textile/apparel 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 152/153 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**

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: AD 168, AD 364, ADM 430, ADM 450, ADM 451.

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 courses are taught in the Industrial Technology Department. The other courses are taught in 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 150, 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 are made of growth patterns from conception to six years of age. Students observe and participate in the Family Life Center Child Development Laboratory. Prerequisites: PSY 150 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. Prerequisite: 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 150, or permission of instructor. Three hours lecture and four hours lab per week.

FCS 475—ASSESSMENT OF THE PRE-SCHOOL 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 PRE-SCHOOL PROGRAM

Emphasis on direction and administration of child care centers in family and group settings. Personnel, space, physical facilities and foodservice 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 structure 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 Department Chair. 10-15 hours credit.

FCS 571—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 Department Chair.

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 150, FCS 471; Non-majors PSY 150, 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 150; Non-majors PSY 150, 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.

FASHION MERCHANDISING**FM 260—CLOTHING AND CONSUMER BEHAVIOR**

A study of the aesthetic, economic, and psychosociological 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 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 preapproved 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 a "C" or better grade; approval of advisor.

FM 562—FASHION IN THE MAKING

A field study of the fashion industry which includes visits to costume museums, apparel wholesale showrooms, auxiliary fashion enterprises and noted retail stores. While planned specifically for fashion merchandising majors, other interested persons who qualify for admis-

sion may participate. Prerequisite: FM 360 or consent of instructor.

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 providing 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, 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. Prerequisites: CHE 171, 172.

NFS 352—MEAL MANAGEMENT

Develops competencies in organization, management of time, menu planning and foodservice 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. Prerequisites: 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 normal 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. Prerequisite: 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. Prerequisites: 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 Department. This course does not substitute for a post-graduate American Dietetic Association Accredited Internship. Prerequisites: NFS 456, 457, 458 and consent of Department Chair 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 410—SENIOR SEMINAR

Students will complete a Life Work Planning Process; learn to prepare professional correspondence, develop an effective resume, and practice

successful interviewing techniques. Senior Status, any major.

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.

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 Department Chair. 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. Prerequisites: Approval by advisor and Department Chair. 10-15 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. Prerequisites: FED 251, FED 260, FED 361.

INTERIOR DESIGN AND HOUSING**IDH 281—HOUSING AND INTERIORS**

The principles and elements of design are introduced to the student through lecture, visual aids, and lab experiences. The aesthetics and economic values of housing design, the building environment, and interior furnishings are explored. Architectural styles, space planning, the basic materials and finishes of interior, and the interior design profession are emphasized. Field Trips.

IDH 282—PRESENTATION IN INTERIOR DESIGN I

Fundamental execution of interior design problems to refine presentation skills. Includes measured and freehand perspectives, mixed media renderings, detail drawings, and model buildings. Presentations are in oral and visual form. Prerequisites: TD 152, IDH 281, ART 257.

IDH 283—WORKROOM I

Professional techniques for sketching, designing, and constructing soft interior furnishings. Includes both freehand and computer generated sketches; measuring problems; and exposure to workroom procedures. Field Trips. Prerequisite: IDH 281 or permission of instructor.

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—RESIDENTIAL INTERIOR DESIGN

Fundamentals of design as applied to the residential setting are explored through the use of the design process incorporating human factors, space planning, furniture layout, and selection of materials and finishes. Extensive residential projects for various populations are completed and presented in professional graphic and oral presentation form. Field Trips. Prerequisites:

IDH 282, IDH 380, ART 352.

IDH 382—SURVEY OF INTERIORS: HISTORICAL

Development of architectural styles and interior period furnishings from the Egyptians to 1900 including design technology. The student will study the relationship of the historic interior on today's interior. Field trips.

IDH 383—CONTEMPORARY FURNISHINGS

Emphasis on architecture, architects, interior designers, furniture designers, products, and the history of the contemporary design movement since 1900. Field Trips. Prerequisite: IDH 281.

IDH 385—INTERIOR SYSTEMS & EQUIPMENT

Considers selection, use and care of HVAC and other equipment and appliances. Principles of physics and design related to performance and safety. Kitchen design project. Five lectures.

IDH 481—INTERIOR ACCESSORIES

Historical through contemporary accessories. Application of design principles and elements in selection and arrangement of accessories. A study of materials used: glass, metals, ceramics, and textiles. Selection and framing of artwork. Field Trips. Prerequisite: IDH 381.

IDH 482—WORKROOM II

Analysis of cost estimation, specifications, and working drawing of custom interior detailing. Techniques and principles involved in the selection and installation of materials and furnishings as they apply to the design of interior components. Wall covering, floor coverings, window treatments, and upholstery are included. Field Trips. Prerequisites: IDH 282, IDH 283, IDH 380.

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. Prerequisites: IDH 281, IDH 381, IDH 385. Three hours lecture and four hours lab per week.

IDH 486—CONTRACT INTERIOR DESIGN

Fundamentals of commercial space planning and programming which includes selection of furniture, fixtures, and equipment, specification writing, interior construction and building systems, building codes, and cost estimation. Problem solving of both small and large scale

projects is explored through oral and graphic representation. Field Trips. Prerequisites: IDH 381, IDH 482, IDH 485, BCC 431.

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: IDH 486, Senior Status, ECO 260 or ACC 260.

IDH 491—INTERNSHIP IN INTERIOR DESIGN AND HOUSING

Supervised work-study program in interior design and housing. Students are expected to interview for positions in facilities which are approved by internship director. 10-15 hours credit. Prerequisites: consent of Department Chair and instructor.

IDH 585—KITCHEN DESIGN

A study and application of kitchen designing principles. Designing, planning, drawing, and writing specifications for functional, aesthetically pleasing and special needs kitchens. Field trips will be part of the course.

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, cashiering, 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 subsystems 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 Department Chair 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. Prerequisite: RHI 558 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.

DEPARTMENT OF HEALTH SCIENCE EDUCATION

F. Radovich, Acting Chair

Associate Professor: F. Radovich

Assistant Professors: J. Anderson, L. Bryant,

J. Chopak, D. Hamilton, M. Ludwig,

H. Welle, L. Wolfe

Instructors: K. Spangler, M. Waters

The Department of Health Science Education serves the undergraduate population with health service courses, and offers professional health education requirements. Degrees include the Bachelor of Science in Health Science degree with majors in either Community Health or Health Promotion and the Bachelor of Science in Medical Technology.

HEALTH SCIENCE COURSE DESCRIPTIONS

HTH 120—ORIENTATION TO PHYSICAL AND OCCUPATIONAL THERAPY

Orientation to the professions of physical therapy and occupational therapy. Designed to provide students with an understanding of each profession, the role of each profession in health care delivery, and the requirements for admission to professional education in each profession.

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 230—INTRODUCTION TO HEALTH EDUCATION AND PRACTICE

Introduces students to the field of health education. Focuses on historical figures and movements in health education, learning theories, responsibilities of health educators in various settings, program development, ethical issues and emerging issues in the field.

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—HEALTH AND DISEASE

Based upon the most current and accurate health information, this course examines morbidity and mortality data with an emphasis on health promotion and interventions targeted to identified needs. Prerequisites: HTH 131 or BIO 271.

HTH 351—SEXUALITY EDUCATION FOR THE HEALTH PROFESSIONS

This course will explore contemporary issues in human sexuality and prepare health professionals to conduct sexuality education with diverse populations in a variety of settings such as the school, community, worksite and others. Material covered will help students increase their knowledge of sexuality content, improve their ability to educate about and promote sexual health, develop skills for improved communication and other related process skills, and increase their comfort level with the topic of human sexuality in general.

HTH 352—DRUG-RELATED ISSUES FOR THE HEALTH PROFESSIONAL

This course will explore legal and illegal drug use and abuse in the United States. Issues related to prescription drugs, over-the-counter drugs, experimental drugs, alcohol, tobacco, and illegal drugs will be taken up. These issues will include social, cultural, political, economic, gender-related, and historical concerns. Additionally, the nature and foundations of education and prevention efforts will be investigated.

HTH 353—CONSUMER HEALTH

Consumer Health Education prepares individuals to make intelligent decisions regarding the purchasing and use of health products and services, that will have a direct effect on their health.

HTH 431—NEEDS ASSESSMENT IN HEALTH PROMOTION

This course will examine a variety of techniques for assessing the health promotion needs of various target populations. An overview of the settings, specific target audiences, and qualitative and quantitative assessment techniques will be provided.

HTH 432—IMPLEMENTATION TECHNIQUES IN HEALTH PROMOTION

This course will examine a variety of techniques designed to enable students to develop and practice the skills necessary for the effective delivery of health promotion programs to various target populations (e.g., community, medical, worksite, etc.). Facilitation and communication skills, learning conditions, and instructional techniques will be examined and applied to health promotion. Additionally, this course is designed to provide practical experiences in the use of social marketing concepts for health promotion.

HTH 451—COMMUNITY HEALTH EDUCATION

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. Prerequisite: HTH 350.

HTH 491—INTERNSHIP IN HEALTH SCIENCE

Supervised work-study program in a health related 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 students to pursue a health oriented problem.

HTH 520—HEALTH EDUCATION INTERNSHIP SEMINAR

This two hour seminar is designed for Health Science Majors who are preparing for internship. Course content will cover professional practice issues (including professional ethics), career enhancement strategies, and department expectations for intern sites and students.

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-hour laboratories per week.

HTH 537—HEALTH PROMOTION PROGRAM PLANNING

To provide students with the theory and practical

applications of planning, developing, and implementing health promotion programs in a variety of settings. The focus will be on a global approach to planning with emphasis on the worksite, hospital, and the community (including the school) as settings for health promotion programming. Resources available to health educators will also be discussed.

HTH 538—EVALUATION OF HEALTH PROMOTION PROGRAMS

This course will serve to introduce students to data collection procedures, ethical issues surrounding evaluation, interpreting results of a program evaluation, and development of an evaluation instrument in a variety of settings such as corporate based health promotions programs, hospital based programs, community based programs, and health promotion programs in education settings.

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.

HTH 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.

SPORTS MEDICINE COURSE DESCRIPTIONS

HTH 123—ORIENTATION TO ATHLETIC TRAINING

Orientation to the profession of athletic training and the role of the athletic trainer on the athletic

health care team. Designed for students majoring in athletic training.

HTH 312—CLINICAL PRACTICUM IN ATHLETIC TRAINING I

Supervised clinical experiences in athletic training designed to allow sophomore athletic training students to develop clinical skills in a sequential manner during each practicum experience. Prerequisite: Athletic Training Major and permission.

HTH 313—CLINICAL PRACTICUM IN ATHLETIC TRAINING II

Supervised clinical experiences in athletic training designed to allow sophomore athletic training students to develop clinical skills in a sequential manner during each practicum experience. Prerequisite: Athletic Training Major and permission.

HTH 314—CLINICAL PRACTICUM IN ATHLETIC TRAINING III

Supervised clinical experiences in athletic training designed to allow sophomore athletic training students to develop clinical skills in a sequential manner during each practicum experience. Prerequisite: Athletic Training Major and permission.

HTH 343—EVALUATION & MANAGEMENT OF LOWER QUARTER INJURIES

Advanced principles and techniques in the clinical evaluation of athletic injuries and illnesses involving the lower quarter. Emphasis placed upon determination of proper immediate care and referral. Prerequisite: BIO 271 and PE 232 and permission

HTH 344—EVALUATION & MANAGEMENT OF UPPER QUARTER INJURIES

Advanced principles and techniques in the clinical evaluation of athletic injuries and illnesses involving the upper quarter. Emphasis placed upon determination of proper immediate care and referral. Prerequisite: HTH 343 and permission

HTH 355—THERAPEUTIC MODALITIES

Principles and practical skills associated with therapeutic modalities used in the treatment and rehabilitation of athletic injuries. Four lectures and two labs. Prerequisite: PE232, BIO 272, and permission.

HTH 356—THERAPEUTIC EXERCISE

Theory and application of rehabilitation pro-

grams associated with reconditioning following athletic injury. Four lectures and two labs.

Prerequisite: HTH 355 and permission.

HTH 412—CLINICAL PRACTICUM IN ATHLETIC TRAINING IV

Supervised clinical experiences in athletic training designed to allow junior athletic training students to develop clinical skills in a sequential manner during each practicum experience.

Prerequisite: Athletic Training Major and junior rank.

HTH 413—CLINICAL PRACTICUM IN ATHLETIC TRAINING V

Supervised clinical experiences in athletic training designed to allow junior athletic training students to develop clinical skills in a sequential manner during each practicum experience.

Prerequisite: Athletic Training Major and junior rank.

HTH 414—CLINICAL PRACTICUM IN ATHLETIC TRAINING VI

Supervised clinical experiences in athletic training designed to allow junior athletic training students to develop clinical skills in a sequential manner during each practicum experience.

Prerequisite: Athletic Training Major and junior rank.

HTH 430—MEDICAL ASPECTS OF ATHLETIC TRAINING

Medical lectures on athletic injuries/illnesses emphasizing medical referral, diagnosis, and management. Prerequisite: Athletic Training Major and junior rank.

HTH 512—CLINICAL PRACTICUM IN ATHLETIC TRAINING VII

Supervised clinical experiences in athletic training designed to allow senior athletic training students to develop clinical skills in a sequential manner during each practicum experience.

Prerequisite: Athletic Training Major and senior rank.

HTH 513—CLINICAL PRACTICUM IN ATHLETIC TRAINING VIII

Supervised clinical experiences in athletic training designed to allow senior athletic training students to develop clinical skills in a sequential manner during each practicum experience.

Prerequisite: Athletic Training Major and senior rank.

HTH 514—CLINICAL PRACTICUM IN ATHLETIC TRAINING IX

Supervised clinical experiences in athletic training designed to allow senior athletic training students to develop clinical skills in a sequential manner during each practicum experience.

Prerequisite: Athletic Training Major and senior rank.

HTH 560—ADMINISTRATION OF ATHLETIC TRAINING PROGRAMS

Introduction to principles and practices necessary for the implementation, maintenance and administration of athletic training service and athletic training education programs. Prerequisite: Athletic Training Major and senior rank.

DEPARTMENT OF NURSING

Kaye A. Herth, Chair

Professors: C. Hanson, K. Herth

Associate Professors: J. Alberto, E. Hapshe,

D. Hodnicki, K. Koon, A. Scott, C. Simonson

Assistant Professors: S. Abbott, P. Collins,

E. Emerson, B. Hamilton, E. Hilde,

K. Hutchinson, W. Loftin, C. Shriver,

B. Talley

Instructors: A. Anomolu, G. Burke, R. Gee,

A. Rushing, J. Watkins, D. Wood

Georgia Southern University's Department of Nursing offers degree programs at the baccalaureate and master's levels. The nursing faculty is committed to helping meet the nursing care needs of the multi-ethnic 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 for Nursing. Graduates of the program are eligible to take the National Council of State Boards of Nursing Licensure Examination for Registered Nurses (NCLEX-RN).

The program of study for the BSN degree requires a minimum of 12 quarters of full time study. Course-work includes 97 credit hours of general education and support courses and 90

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 60 miles or more from campus. Required clinical experiences may 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. All applicants must apply for admission to both the University and the Department of Nursing. Once admitted to the University, students should contact the Department of Nursing for advisement as requirements may change.

In order to be considered for admission to the Bachelor of Science in Nursing degree program, applicants must have met the following minimum requirements by the application deadline:

1. Attained admission to Georgia Southern University.
2. Achieved a minimum adjusted grade point average of 2.7 on all course work attempted (including transfer course work and work completed at Georgia Southern University).
3. Completed a minimum of 30 quarter hours of required course work.
4. Completed the first course in the required lab science course sequence.
5. Returned the nursing application to the Department by the announced deadline; and
6. Obtained three references and confirmed that they were received by the Department of Nursing by the published deadline.

Applicants must have met the following requirements before enrollment in NUR 251:

1. Completed a minimum of 45 quarter hours of earned credit.
2. Completed the prescribed 10 hour lab science sequence.
3. Completed BIO 271 (A & P) and enrolled in BIO 272.
4. Completed nursing health requirements including separate Health Form and a Hepatitis B immunization.
5. Maintained an adjusted GPA of 2.5.

6. Purchased liability insurance (group policy available).
7. Obtained American Heart Association Level C CPR Certification.

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 rural southeast Georgia. 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 examination. Check with the Department Chair or BSN Program Director or RN-BSN Program Director for eligibility requirements.

Additional Expenses:

Selected practicum experiences and field trips are held at off campus locations. Transportation is the student's responsibility. The courses in tertiary care nursing are held in a major urban hospital. Transportation and maintenance costs are the student's responsibility. Students must purchase uniforms, white shoes, stethoscope and sphygmomanometer. **Students are required to maintain personal health and accident insurance coverage.** Selected achievement test fees during junior and senior years are additional. Additional expenses may include the cost of a nursing pin, academic regalia rental, and state board licensing examination fees.

NUR235 —INTRODUCTION TO THE CONCEPTUAL BASIS OF NURSING HEALTH PROMOTION THROUGHOUT LIFE

The course provides an introduction to the BSN Program's Framework of Health Promotion Throughout Life. The concepts of person, nursing, health, environment, health promotion, human caring, communication, ethical principles, critical thinking, empowerment, research, cultural sensitivity and healthcare technology are explored and applied to specific case situations. The student is exposed to the historical aspects of nursing and healthcare, with emphasis on the rural environment, as well as healthcare policy and financial implications in the current

healthcare arena. Healthcare delivery systems, barriers to healthcare, and legal aspects of nursing are discussed. The ANA Standards of Nursing Practice are introduced in this course with specific emphasis on caring and ethics. Prerequisite: Admission to BSN Program

NUR245 —PHARMACOLOGY AND ALTERNATIVE THERAPEUTIC MODALITIES

The course introduces basic nursing concepts of pharmacology and alternative therapeutic modalities appropriate to culturally diverse populations. Ethical, legal, and patient-teaching responsibilities are delineated. Emphasis is placed on roles and responsibilities of the nurse in collaboration with the multidisciplinary team. Prerequisites: Admission to BSN Program. Corequisite: NUR235.

NUR260 —THERAPEUTIC NURSING INTERVENTIONS: HEALTH PROMOTION I

The course builds on a foundation for professional nursing practice including fundamental concepts and principles related to basic nursing care for a culturally diverse rural population. Emphasis is on the acquisition of basic nursing skills and utilization of enabling factors in the performance of safe and appropriate therapeutic nursing interventions. The course incorporates knowledge gained from the arts and sciences into the practice of nursing. Prerequisites: NUR235, NUR 245. Corequisite: NUR265

NUR265—THERAPEUTIC NURSING INTERVENTIONS PRACTICUM I

The course focuses on the acquisition of basic nursing skills and utilization of enabling factors needed to provide safe and appropriate therapeutic nursing interventions. Knowledge acquired in Therapeutic Nursing Interventions I will be utilized in the performance of basic therapeutic nursing skills. Prerequisites: NUR235, NUR245. Corequisite: NUR260.

NUR300—HEALTH ASSESSMENT ACROSS THE LIFESPAN

The theoretical and laboratory course focuses on the physical, psychosocial, and spiritual parameters of persons across the lifespan. The course facilitates the development of health assessment skills within the Health Promotion Framework. Prerequisites: NUR260, NUR265. Corequisites: NUR310, NUR315.

NUR310—MENTAL HEALTH NURSING: HEALTH PROMOTION II

The course introduces major theoretical concepts in mental health which relate to the nursing care of persons, families, groups, and communities. Utilizing the Health Promotion Framework, students conceptualize how the enabling factors are incorporated into mental health nursing care. Emphases are placed on the examination of mental health alterations and the various roles and functions of the professional mental health nurse. Prerequisites: NUR260, NUR265. Corequisites: NUR300, NUR315.

NUR315—THERAPEUTIC NURSING INTERVENTIONS PRACTICUM II

The practicum allows students to synthesize and apply the major mental health concepts in providing nursing care to families, groups, and communities. Utilizing the Health Promotion Framework, students integrate the enabling factors of human caring, communication, ethical principles, critical thinking, empowerment, cultural diversity, research, and healthcare technology in assessing, diagnosing, identifying outcomes, planning, implementing, and evaluating mental health nursing care. Emphases are placed on the application of various treatment modalities on the role and functions of the professional mental health nurse. Prerequisites: NUR 260, NUR265. Corequisites: NUR300, NUR310.

NUR320—NURSING CARE OF ADULTS: HEALTH PROMOTION III

The major focus of the course is Health Promotion Throughout Life incorporating primary, secondary, and tertiary prevention as they apply to illnesses affecting adults. Application of the nursing process through nurse-person partnerships regarding promotion, maintenance, or restoration of health is emphasized through the use of case studies. Prerequisites: NUR300, NUR310, NUR315. Corequisite: NUR325.

NUR325—THERAPEUTIC NURSING INTERVENTIONS PRACTICUM III

The course provides clinical experiences in rural primary and secondary settings. Students use the nursing process and other analytical tools to provide care to persons experiencing illnesses. Students build on skills previously mastered while acquiring new skills needed to administer safe and effective care. The practicum gives students the opportunity to integrate theory with clinical practice thereby fostering critical think-

ing to the solutions of problems. Prerequisites: NUR300, NUR310, and NUR 315. Corequisite: NUR320.

NUR340—CRITICAL INQUIRY: NURSING RESEARCH

The course focuses upon the research process and enhancement of critical thinking skills. Students learn to critique, analyze, and apply research findings to health promotion of persons families, groups, and communities. The relationship of nursing research to nursing theory and practice is explored. Prerequisites: NUR 320 and 325. Corequisites: NUR 360 and 365.

NUR 350—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.

NUR360—NURSING CARE OF DEVELOPING FAMILIES: HEALTH PROMOTION IV

The focus of this course is on health promotion of developing families throughout the perinatal experience. Enabling factors which facilitate the performance of therapeutic nursing interventions are explored. Content focuses on theories of developing families, the four trimesters of pregnancy, parenting, family developmental tasks, and health education. Prerequisites: NUR320, NUR325. Corequisites: NUR340, NUR365.

NUR365—THERAPEUTIC NURSING INTERVENTIONS: PRACTICUM IV

The focus of this practicum is on health promotion of developing families throughout the perinatal experience. Knowledge acquired in the Nursing Care of Developing Families: Health Promotion IV is utilized in planning and implementing therapeutic nursing interventions which empower persons in promoting, maintaining, and restoring health. Students utilize the nursing process in the provision of nursing care for selected persons and families. The enabling factors of human caring communication, ethical principles, critical thinking, empowerment, research, cultural sensitivity and healthcare

technology are used in the delivery of nursing care. Prerequisites: NUR320, NUR325
Corequisites: NUR340, NUR360.

NUR 399—SELECTED TOPICS IN NURSING
Study of selected nursing topics. Course credit varies from 1-5 credit hours.

NUR410—NURSING CARE OF CHILDREN: HEALTH PROMOTION V

The focus of this course is on the role of the nurse in partnership with families for the purpose of promoting health and development of children. Family health is viewed as integral to children's health. Theory and research serve as the basis for the effective utilization of enabling factors in the nursing care of children and their families. Content focuses on the health promotion needs of infants, toddlers, preschoolers, school-agers, and adolescents. Prerequisites: NUR360, NUR365. Corequisite: NUR415.

NUR415—THERAPEUTIC NURSING INTERVENTIONS PRACTICUM V

The focus of this practicum is on health promotion of children and their families. Knowledge acquired in Nursing Care of Children: Health Promotion V is utilized in assessing, analyzing, planning, implementing, and evaluating nursing care to promote, maintain, and restore health of children. Clinical experiences are provided in rural hospitals and community settings. Prerequisites: NUR360, NUR 365. Corequisite: NUR410.

NUR420—COMPLEX HEALTH PROBLEMS: HEALTH PROMOTION VI

The primary focus of the course is Health Promotion incorporating primary, secondary, and tertiary prevention as related to illnesses affecting persons with oncological, critical, and/or terminal conditions. Application of the nursing process, emphasizing promotion, maintenance, or restoration of health is emphasized. Current trends in care and the use of healthcare technology to maximize therapeutic care outcomes are discussed. Prerequisites: NUR410, NUR415. Corequisites: NUR425, NUR430, and NUR435.

NUR 421—NURSING TOOLS: 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 330, 322 and 323 or permission of the instructor.

NUR 423—HEALTH CARE OPTIONS

This course explores a variety of alternative health care measures utilized by the people of the rural south. Holistic approaches to health care are examined from the perspective of traditional, nonscientific folk practices and practitioners. Prerequisites: Junior standing or permission of instructor.

NUR425—THERAPEUTIC NURSING INTERVENTIONS PRACTICUM VI

The focus of this practicum is the provision of care to persons with oncological, critical, and/or terminal conditions. Knowledge acquired in Complex Health Problems: Health Promotion VI is utilized in giving care and support to persons in tertiary settings. Students develop collaborative partnerships with the healthcare team to promote, maintain, and/or restore health of persons. Prerequisites: NUR410, NUR415. Corequisites: NUR420, NUR430, and NUR435.

NUR430—COMMUNITY HEALTH NURSING: HEALTH PROMOTION VII

The course focuses on health promotion of diverse cultures in the rural community. Students synthesize and apply previously introduced health promotion concepts. Concepts of community health nursing including principles and application of epidemiology and community assessment are introduced. Students analyze variables that place populations at risk and design appropriate interventions. The importance of critical thinking and caring are stressed in the provision of therapeutic nursing interventions to persons, families, groups, and communities. Prerequisites: NUR410, NUR415. Corequisites: NUR420, NUR425, and NUR 435.

NUR435—THERAPEUTIC NURSING INTERVENTIONS PRACTICUM VII

The practicum focuses on the provision of nursing within community settings. Students assess and identify health problems of persons, families, groups, and communities. Focus of activities is on health promotion in partnership with selected persons and groups. Prerequisites: NUR410, NUR415. Corequisites: NUR420, NUR425, and NUR430.

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 programs, the impact of poverty on health care, and sexism and racism in health care. Prerequisite: SOC 150.

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 448—NURSING RESEARCH

The analytical tools of research will be the focus of this course. The student will develop a knowledge of the research process and will be able to critique and evaluate nursing research articles and use research findings in clinical practice. The relationships of nursing research to nursing theory and nursing practice will be explored. Prerequisites: NUR 330, 322, 323 and 421 or permission of the instructor.

NUR480—NURSING MANAGEMENT AND MULTIDISCIPLINARY COLLABORATION: HEALTH PROMOTION VIII

The focus of this course is on health promotion in nursing through leadership and management in multidisciplinary environments. The importance of critical thinking to effective nursing leadership within a culturally diverse changing health care system is emphasized. Course content includes management and leadership theories and skills, management techniques, change strategies, healthcare technology, and role transition strategies to assist the new professional nurse. Prerequisites: NUR420, NUR425, NUR430, and NUR435. Corequisites: NUR485, NUR 490.

NUR485—THERAPEUTIC NURSING INTERVENTIONS VIII: ROLE PRACTICUM

The practicum provides opportunities for the student to function as a manager in a collaborative role within a multidisciplinary healthcare team. Varied leadership roles, including the management of groups and the art of delegation are practiced. Prerequisites: NUR420, NUR425, NUR430, AND 435. Corequisites: NUR480, NUR490.

NUR490—PROFESSIONAL NURSING: INTEGRATION OF PROFESSIONAL NURSING CONCEPTS

The course facilitates the synthesis and application of major concepts of the Health Promotion Framework in the nursing care of persons, families, groups, and communities. Students utilize the enabling factors in leading seminar discussions and engaging in critical discourse and case analysis. Successful completion of a comprehensive summative examination is required to pass the course. Prerequisites: NUR420, NUR425, NUR430, AND NUR435. Corequisites: NUR480, NUR 485.

NUR 492—RURAL COMMUNITY NURSING I

This course introduces the RN student to rural community health nursing. The course examines the settings where community health nursing is delivered. Students will provide care to individuals and their families using the case management delivery system. Clinical experiences focus on clients in the rural community. Prerequisite: Admission to RN-BSN Completion Program.

NUR 493—RURAL COMMUNITY NURSING II

The purpose of this course is to focus the attention of the RN student on the complex problems of the community health client individuals, families, groups, and communities. Today nurses are providing complex care to clients in the community setting and nurses must be prepared to meet the nursing needs of these clients. This course examines high risk aggregate groups and explores factors which place them at risk for illness. Prerequisites: Admission to RN-BSN Program and completion of NUR 492.

NUR 494—PRINCIPLES OF NURSING MANAGEMENT

This course explores with the RN student the principles of leadership and management. Content focuses on the role of a manager, management theories and leadership styles, and change theory and process. Clinical experiences will be designed to enhance the leadership/management role of the nurse. Prerequisite: Admission to RN-BSN Completion Program.

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 TOPICS IN NURSING

Independent field and laboratory investigation under faculty supervision. Faculty and students collaborate to formulate the objectives and requirements (1-5 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.

NUR 556/756—HEALTH POLICY CONCERNS IN DELIVERY SYSTEMS.

This course focuses on the characteristics of health care delivery systems from rural and urban perspectives. The background of the American health care system, health care economics, public policy, national, state, and local health care legislative issues are major course components. The student examines the effectiveness of current rural and urban health care delivery and has an opportunity to consider alternative models and strategies to assist in resolving health care delivery problems. This course will help students to explore current health care and nursing issues which impact the practice of nursing.

DEPARTMENT OF RECREATION AND LEISURE SERVICES

H. Eisenhart, Chair

Professors: H. Eisenhart, P. Thomason,
W. Becker

Associate Professor: D. Shelar, J. Folkert

Assistant Professors: L. Blankenbaker, J. Bigley,
L. Mutter

Instructors: J. Cross, G. Gaudet

The Department of Recreation and Leisure Services offers undergraduate emphases in Recreation Administration, Therapeutic Recreation, Resort and Commercial Recreation, Natural and Cultural Resource Management, and Travel and Tourism Management.

RECREATION AND LEISURE SERVICES COURSE DESCRIPTIONS**REC 150—RECREATION AND LEISURE IN CONTEMPORARY SOCIETY**

This course will assist non-recreation majors in

examining their personal leisure attitudes, values, and behaviors, and those of society in general. It will explore leisure resources and alternatives.

REC 151—INTRODUCTION TO RECREATION

Designed for recreation majors, this course examines cultural and personal recreation attitudes and behaviors, as well as the rapidly growing field of leisure services in America. Resort and commercial, outdoor, therapeutic, public, volunteer agency, military, church, industrial recreation and travel 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 310-410—RECREATION CONVOCATION

Provides an opportunity for the recreation student to interact with practitioners from public, private, commercial and other recreation agencies.

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 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 362—COMMERCIAL RECREATION A
study of the commercial recreation setting.

Topics covered include a comparison of profit and nonprofit recreation settings and interrelationships between recreation, foodservices, sales, accommodations and facilities maintenance.

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 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; furthers an understanding of the biological and physical sciences that underlie sound land use planning and management; furthers 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 372—HOSPITALITY MANAGEMENT

Introduces the student to hotel management, including: guest services and support functions, special events operations and career opportunities.

REC 376—MUSEUM COLLECTIONS

Focuses on artifact handling, basic conservation needs assessment, accessioning, and artifact identification. Professionally accepted standardized computer cataloging systems will be studied to familiarize students with computer based cataloging methods. History, art, and anthropological collections will be studied. Prerequisite: REC 376.

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—RECREATION 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 458—MARKETING TOURISM SERVICES

Introduction to basic principles and concepts of marketing the travel and tourism product and service. Applications of tourism services utilizing case-specific travel industry and tourism examples and exercises.

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 475—MUSEUM RESOURCES INTERPRETATION

An applied course which explores the use of museum resources as multigenerational educational tools. Visitor behavior, program planning, exhibit text writing, exhibit design and production, and National Park Service modeled interpretive techniques will be covered.

REC 476—MUSEUM RESOURCES ADMINISTRATION

A capstone course designed to provide students with knowledge of the managerial and administrative tasks unique to public and private non-profit museums and historic sites. Topics to be covered include: structure and organization, governing bodies and authority, financial support and fund-raising, membership and volunteer organizations, maintenance and security, staff requirements, and professionalism.

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.) This

program, designed to meet the need for educated, applied personnel in the field of leisure services, is offered in the Department of Recreation and Leisure Services. A student may choose as an area of specialization one of five emphases: recreation administration, therapeutic recreation, resort and commercial recreation, natural and cultural resource management, or travel and tourism management. Students are encouraged to pursue a minor in business, health, humanities, physical or social sciences that will complement their chosen academic emphasis.

DEPARTMENT OF KINESIOLOGY

C. Hardy, Chair

Professors: J. Blankenbaker,

D. Collen (Emeritus), S. Gallemore,

C. Hardy, B. Speith (Emeritus), F. Whitt

Associate Professors: B. Buxton, J. McMillan,

J. Stallings, D. Wagner

Assistant Professors: T. Foti, W.K. Guion,

B. Joyner, M. Li, L. McCarthy, D. Ramsey,

D. Zwald

Instructors: K. Pruitt, J. Ray

The Department of Kinesiology focuses on the study of movement in and of the human organism and all the factors that affect its functional and aesthetic qualities. Knowledge of the discipline includes an understanding of movement along a continuum from physical activity required for survival to the most complex motor skills of which the human organism is capable. Managerial, pedagogical, legal, and public policy aspects of all types of physical activity are also areas of inquiry and professional application. The department offers coursework leading to undergraduate majors in health and physical education, sport management, and sports medicine. The department also offers physical activity courses designed to enhance lifetime participation and to assist students in attaining and maintaining a degree of physical fitness.

PHYSICAL EDUCATION MAJOR COURSE DESCRIPTIONS

PE 230—DANCE AND AQUATICS

A course designed to acquaint the student with various methods of teaching dance and aquatics.

PE 231—TUMBLING AND TRACK AND FIELD

A course designed to acquaint the student with various methods of teaching tumbling and track and field.

PE 232—ATHLETIC TRAINING

A course designed to acquaint the student with prevention and correction of injuries associated with athletic activities; the use of proper athletic training equipment, support methods, conditioning exercises, medical screening and therapeutic aids.

PE 320—COACHING SWIMMING AND DIVING TECHNIQUES

A course designed to acquaint the student with various methods of teaching 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 programming, and/or related areas.

PE 330—MODERN AND SOCIAL DANCE

A course designed to acquaint the student with various methods of teaching modern and social dance.

PE 331—PRINCIPLES OF OFFICIATING A course designed to give prospective high school coaches and recreators a knowledge and understanding of the principles and basic techniques of officiating in a wide variety of sport and recreation activities.

PE 332—LIFEGUARDING

A course designed to meet the requirements of the American Red Cross and qualify the individual for certification as a lifeguard. Prerequisite: Lifeguard swim test.

PE 333—WATER SAFETY INSTRUCTION

A course designed to meet the requirements of the American Red Cross and qualify the individual for certification as a water safety instructor. Laboratory and assisting periods to be arranged.

PE 334—COACHING FOOTBALL

A course designed to acquaint the student with basic methods of coaching football. Special consideration is given to rules, offensive and defensive strategies, and training procedures.

PE 335—COACHING BASKETBALL

A course designed to acquaint the student with basic methods of coaching Basketball. Special consideration is given to rules, offensive and defensive strategies, and training procedures.

PE 336—COACHING BASEBALL AND SOFTBALL

A course designed to acquaint the student with basic methods of coaching baseball and softball. Special consideration is given to rules, offensive and defensive strategies, and training procedures.

PE 337—PHYSICAL EDUCATION FOR EARLY CHILDHOOD P-4

A course designed to develops skills, techniques, and methods for teaching in early childhood (P-4) grades. One lecture and two two-hour labs per week.

PE 338—PHYSICAL EDUCATION FOR MIDDLE GRADES 5-8

A course designed to develops skills, techniques and methods for teaching in the middle (5-8) grades. One hour lecture and two two-hour laboratory periods each week.

PE 339—PHYSICAL EDUCATION FOR SECONDARY SCHOOLS 9-12

A course designed to develops skills, techniques and methods for teaching in the secondary (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, historical, philosophical, physiological, psychological and sociological principles of health and physical education are stressed. Current trends and developments in the field are also emphasized.

PE 354—ANATOMY AND APPLIED KINESIOLOGY

A study of anatomic systems as they relate to the mechanical principles of the analysis of motor behavior. Four one-hour lectures and one two-hour laboratory periods each week. Prerequisite: BIO 271 & 272 or Permission of the Instructor.

PE 355—COACHING PRACTICUM

A course designed to give the student coaching experience in any varsity sport. Includes observation, practicum and seminar work in the sport. Prerequisite: Beginning coaching course in the sport or Permission of the Instructor.

PE 399—SELECTED TOPICS IN PHYSICAL EDUCATION

Topics of special interest to physical education are studied.

PE 432—COACHING MINOR SPORTS

A course designed to acquaint the student with various methods and techniques of coaching tennis, golf, swimming, gymnastics and track and field. Special consideration is given to rules, strategies, and training procedures.

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

A course designed to acquaint the student with various motivational aspects and approaches to coaching athletes.

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

A course permitting the undergraduate student to study an area of interest in the field under the direction of a faculty member. Permission of the Department Chair required.

PE 536—PROGRAM DEVELOPMENT

A course designed to prepare the student to understand the process of curriculum development in physical education. Prerequisite: PE 352.

PE 551—ADAPTED PHYSICAL EDUCATION, RECREATION AND SPORTS

A course designed to examine the importance of physical education, recreation and sports in the growth and development of children with disabilities and presents specific strategies and techniques for implementing adapted activities and programs.

PE 554—FITNESS AND WELLNESS PROGRAMS

A course designed to examine all phases of fitness and wellness programs including the

administration of fitness tests, program planning and evaluation.

PE 555—PHYSIOLOGY OF EXERCISE

A course designed to examine physiological changes in the human organism due to physical exercise. Four one hour lectures and one two-hour laboratory periods per week. Prerequisite: BIO 271 & 272 or Permission of Instructor.

PE 556—RESEARCH STRATEGIES IN EXERCISE AND SPORT SCIENCE

A course designed to introduce the student to methods of conducting research in exercise and sport science. Students will collectively carry out at least one research project.

PE 558—ADMINISTRATION AND LEADERSHIP OF PHYSICAL EDUCATION AND SPORT

A course designed to examine administration and leadership of physical education programs, the inter-school athletic programs and the intra-mural and school recreation programs. Prerequisite: PE 352 or SM 250.

PE 561—TESTS AND MEASUREMENTS IN PHYSICAL EDUCATION

A course designed to provide laboratory and computer experience in the development, evaluation and application of tests in physical education. Four one-hour lectures and one two-hour laboratory period each week. Prerequisite: PE 352.

SPORT MANAGEMENT MAJOR COURSE DESCRIPTIONS

SM 250—INTRODUCTION TO SPORT MANAGEMENT

A course designed to provide the student with an introduction to sport management; its scope, foundations, issues, career opportunities, and trends.

SM 351—SPORT MANAGEMENT PRACTICUM

A supervised practical sport management experience in a sport related business undertaken in an area of professional interest to the student.

SM 450—SPORT ENTERPRISE OPERATION

A course designed to enable the student to learn how sport businesses are operated; includes professional sport clubs, event management organizations, health and fitness centers, country clubs, arenas and auditoriums, and sport market-

ing companies.

SM 451—SOCIAL AND ECONOMIC INFLUENCE OF SPORT

A course designed to introduce the student to how sociological and economic phenomena affect sport behavior.

SM 452—RISK MANAGEMENT IN SPORT

A course that focuses on identification and correction of risks that lead to accidents and/or lawsuits.

SM 453—ATHLETIC DIRECTOR

A course designed to examine management of athletic programs of an institution.

SM 454—SPORT PROMOTION AND MARKETING

A course that focuses on the application of marketing principles and practices to the sport industry. Theoretical and practical applications of marketing professional and collegiate sport are examined. Consideration is given to marketing sport both as a spectating and participatory activity.

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

A course designed to 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. Prerequisite: FIN 351 & MGT 351.

SM 493—DIRECTED INDIVIDUAL STUDY

Permits the undergraduate student to study an area of interest in the field under the direction of a faculty member. Permission of the Department Chair required.

SM 550—LEGAL PROBLEMS IN SPORT MANAGEMENT

A course designed to help the student to develop an understanding of selected legal problems in sport and to develop approaches for avoiding and/or solving these problems.

SM 551—ATHLETIC GOVERNANCE

A course designed to acquaint the student 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

The 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.

SM 599—SELECTED TOPICS

Topics of special need and interest to sport management are studied.

PHYSICAL EDUCATION ACTIVITY PROGRAM

Four units of physical education activity courses are required of all students. The courses may be chosen from the following list.

PEA 100 CANOEING
 PEA 101 CLOGGING
 PEA 102 BALLET
 PEA 103 FOLK DANCE
 PEA 104 MODERN DANCE
 PEA 105 ADVANCED MODERN & BALLET
 PEA 106 SOCIAL DANCE
 PEA 107 SQUARE DANCE
 PEA 108 TAP DANCE
 PEA 109 FENCING
 PEA 110 TOURNAMENT FENCING
 PEA 111 TOUCH FOOTBALL
 PEA 112 KARATE
 PEA 115 SOCCER
 PEA 116 TUMBLING
 PEA 117 FUNDAMENTALS OF WESTERN HORSEBACK RIDING
 PEA 118 FITNESS WALKING
 PEA 119 TRAILRIDING
 PEA 200 AEROBICS
 PEA 201 BODY CONDITIONING
 PEA 202 FITNESS SWIMMING
 PEA 203 JOGGING
 PEA 204 WEIGHT TRAINING
 PEA 206 BADMINTON
 PEA 207 ADVANCED BADMINTON
 PEA 208 BASKETBALL
 PEA 209 BOWLING
 PEA 210 GOLF
 PEA 211 RACQUETBALL

PEA 212 ADVANCED RACQUETBALL
 PEA 214 SOFTBALL
 PEA 215 SWIMMING
 PEA 216 INTERMEDIATE SWIMMING
 PEA 217 TENNIS
 PEA 218 ADVANCED TENNIS
 PEA 219 VOLLEYBALL
 PEA 291 LINE DANCING
 PEA 292 COUNTRY WESTERN COUPLE DANCES
 PEA 293 OUTDOOR EDUCATION
 PEA 295 SCUBA
 PEA 296 ADVANCED SCUBA
 PEA 1131 PHYSICAL ACTIVITIES FOR PEOPLE WITH DISABILITIES
 PEA 1132 PHYSICAL ACTIVITIES FOR PEOPLE WITH DISABILITIES
 PEA 1133 PHYSICAL ACTIVITIES FOR PEOPLE WITH DISABILITIES
 PEA 1134 PHYSICAL ACTIVITIES FOR PEOPLE WITH DISABILITIES

All courses are one credit hour. All activities are taught at the beginning level unless described otherwise. The Prerequisites for advanced activities are the beginning activity courses or permission of the instructor. The following courses require additional fees: PEA 117; PEA 119; PEA 209; PEA 210; PEA 295; PEA 296. Please contact the Department office for specifics regarding fee structure for each course.

Proficiency testing may be used to substitute for selected courses. Proficiency testing is offered during the fifth week of the fall, winter, and spring quarters. Students wishing to satisfy the physical activity requirement through proficiency testing must contact the Department Office prior to the test date.

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 (DD214) that the student has had a minimum of one year's active military duty. The DD214 should be furnished to the Registrar's Office.

THE CENTER FOR RURAL HEALTH AND RESEARCH

The Center for Rural Health and Research (CRHR), based within the College of Health and Professional Studies, has a long history of service to the region and is ideally situated to work with southern communities to develop solutions to rural health challenges. The Center encourages faculty and student participation in rural health care projects. With emphasis on applied research, information dissemination, service, leadership development, public and professional education, and policy analysis, the Center works to improve the health status of the region. The Center's mission is reflected in four broad goals:

1. create a library of research data and a clearinghouse on rural health resources for the region
2. promote rural health policies that recognize the needs of rural constituencies through collaboration, resource sharing, and the dissemination of information
3. increase rural health awareness and create the capacity for rural communities to identify, articulate, and resolve rural health problems
4. compete for extramural funding for special projects in high-risk rural health care, in clinical research, and in professional development for rural health care providers

The Center oversees a nine-county Senior Companion Program which emphasizes home-based companionship for the elderly, a campus-based satellite clinic staffed by Roosevelt Warm Springs Rehabilitation Institute, a Tools for Life Technology Demonstration Center for the disabled, a rural addiction information office, and a clearinghouse of materials related to rural health research, demography, policy and service. The Center also provides administrative assistance and houses historical materials for the Georgia Rural Health Association.

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

**ALLEN E. PAULSON COLLEGE OF
SCIENCE AND TECHNOLOGY**

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PURPOSE AND ORGANIZATION

The Allen E. Paulson College of Science and Technology offers programs and instruction in the areas of mathematics, computer science, technology, and the natural sciences. The college contains the following departments and programs: Biology, Chemistry, Engineering Studies, Engineering Technology, Geology and Geography, Industrial Technology, Learning Support-Mathematics, Mathematics and Computer Science, Military Science, and Physics. Numerous majors are available to students within the College of Science and Technology; these include apparel manufacturing, biology, building construction and contracting, chemistry, civil engineering technology, computer science, electrical engineering technology, geology, industrial engineering technology, industrial management, mathematics, mechanical engineering technology, physics, 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 Engineering Studies Office. The Dual-Degree Program, a cooperative program of study with Georgia Institute of Technology, is administered by the Physics Department. Minors are available in apparel manufacturing, biology, chemistry, computer science, geography, geology, mathematics, physics, and printing management (see Minors). Refer to the graduate catalog for information on graduate degree programs in the College of Science and Technology.

The objectives of the Allen E. Paulson College of Science and Technology can be summarized as follows:

1. To offer programs of study in mathematics, computer science, technology, and the natural sciences.
2. To offer preparation and education in mathematical, technological, and scientific professions.
3. To provide through core curriculum and elective courses a mathematical, technological, and scientific base for all the students of Georgia Southern University.
4. To provide a strong foundation for achievement of advanced degrees.
5. To promote increased knowledge and appreciation of nature, technology, the sciences,

and the scientific method.

ADVISEMENT AND DEGREE REQUIREMENTS

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.

All Georgia Southern students will 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.

CO-OP PROGRAM

A Cooperative Education (co-op) Program is provided on an optional basis in all engineering studies and technology majors and in selected science, mathematics, and computer science majors. The co-op plan may be student, college, or industry initiated. Normally, students must have earned 30 quarter hours of credit toward their major, have a GPA of 2.5 or better, and be willing to participate in no less than two 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 a designated Special Problems/Co-Op course each quarter that they are on a work assignment. For technology and engineering studies majors engaged in a co-op program, this course is GT 499; students in other majors should refer to their advisor for the appropriate course designation. Co-op students in 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.

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.

BACHELOR OF ARTS DEGREE

The Bachelor of Arts degree provides a sound liberal arts education and prepares students for advanced study in the various liberal arts fields and for entrance into professional schools, as well as for specialized work in their selected field(s).

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 degree 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 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, and 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 (Please see Minors).

**Please note that certain minors may be used only as second minors within the Bachelor of Arts degree (see Minors).*

GENERAL EDUCATION REQUIREMENTS

Core Curriculum, Areas I, II, III.
Health (3 hours) and

Physical Education (4 hours) 7 hours

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.)

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 161 and 162—General Biology I and II
Biology 281—General Zoology
Biology 282—General Botany
Biology 370—Cell Structure and Function**
Biology 431—Senior Seminar
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

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.

GEOLOGY

Area IV 30 hours

Foreign Language 10-20 hours

General Biology 151,

Chemistry 181, 182 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.

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 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 CSC, MAT, and STA course taken in the major. This applies to all courses (lower and upper division).

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 161, 162 or

Geology 151, 152

Thirty hours in physics from upper-division offerings approved by advisor.

BACHELOR OF SCIENCE

DEGREE

GENERAL REQUIREMENTS

This degree requires fulfillment of the core curriculum, completion of the courses prescribed for each major, and three hours of health and four hours of physical education. Departments generally establish additional course and/or 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 biology, chemistry, computer science, geology, mathematics, and physics majors 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 (Please see Minors). 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 minor.

The College of Science and Technology offers the Bachelor of Science degree with a major in Biology, Chemistry, Computer Science, Geology, Mathematics, and Physics. The college also offers the Bachelor of Science in Biology, Chemistry, Civil Engineering Technology, Construction, Electrical Engineering Technology, Industrial Engineering Technology, Manufacturing, Mathematics, Mechanical Engineering Technology, and Printing Management degrees.

GENERAL EDUCATION REQUIREMENTS

Core Curriculum, Areas I, II, III.

Health (3 hours) and

Physical Education (4 hours) 7 hours

Specific Requirements

Area IV requirements of the core curriculum and specific requirements including grades required (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.)

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; Statistics 255; or

Physics 251 5-10 hours

Specific Requirements:

Biology 161 and 162—General Biology I and II

Biology 281—General Zoology

Biology 282—General Botany

Biology 370—Cell Structure and Function*

Biology 431—Senior Seminar

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, and 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 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 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, 261 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 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 555—Selected Topics in Computer
 Science
 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.

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 453—Theory of Program-
 ming Languages
 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 CSC, MAT, and STA course taken
 in the major. This applies to all courses lower-
 and upper-division).*

GEOLOGY

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:

Biology 151—General Biology I
 Chemistry 181, 182, 183—General Chemistry
 Foreign language
 Mathematics 165—Pre-Calculus Mathematics*
 Mathematics 166—Analytic Geometry and
 Calculus I
 Mathematics 167—Analytic Geometry and
 Calculus II
 Physics 251, 252, 253—General College Physics
 or Physics 261, 262, 263—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—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.*

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 Algebra

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 CSC, MAT, and STA course taken in the major. This applies to all courses (lower and upper division).*

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 161, 162 or

Geology 151, 152

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

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

Core Curriculum, Areas I, II, and III.

Health (3 hours) and

Physical Education (4 hours) 7 hours

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 161 and 162—General Biology I and II

Biology 281—General Zoology

Biology 282—General Botany

Biology 370—Cell Structure and Function*

Biology 431—Senior Seminar

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

Core Curriculum, Areas I, II, and III.

Health (3 hours) and

Physical Education (4 hours) 7 hours

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 555—Selected Topics in Computer

Science

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 CIVIL ENGINEERING TECHNOLOGY

The program of study is designed to give the student a foundation in mathematics, science, humanities and social science, in addition to a broad study of the areas 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: structural surveying, environmental, and transportation technology.

DEGREE REQUIREMENTS

This degree requires fulfillment of the core curriculum, completion of a basic technical sequence of courses, completion of eight required CET courses designed to provide exposure to code based design, government permitting and regulations, basic surveying measurements, and 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

Core Curriculum, Areas I, II, III 60 hours
 Health (3 hours) and Physical Education (4 hours) 7 hours

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 has been taken to satisfy Area II of the core curriculum. (*)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
 *PHY—Additional General College Physics/Lab 5 hours
 *TD 130—Technical Drawing 3 hours
 *TD 220—Computer Drafting 2 hours
 *ES 231—Digital Computation 3 hours
 ES 251—Statics 5 hours
 ES 252—Dynamics 5 hours
 ES 253—Strength of Material 5 hours
 ES 351—Thermodynamics or ES 355—Intro. to Elec. Circuits 5 hours
 ES 354—Fluid Mechanics 5 hours
 IET 481—Engineering Economy 5 hours
 CET 343—Construction Materials 4 hours
 CET 351—Elementary Surveying I 5 hours
 CET 345—Introduction to Environmental Control 4 hours
 CET 361—Soils and Foundations 5 hours
 CET 363—Structural Analysis 5 hours
 CET 364—Steel Design 5 hours
 CET 452—Transport. System Design 5 hours
 CET 456—Treatment Plant Design 5 hours
 Elect 20 hours from:
 CET 352—Elementary Surveying II 5 hours
 CET 353—Route Surveying 5 hours
 CET 354—Wood and Masonry Design .. 5 hours
 CET 365—Reinforced Concrete Design . 5 hours
 CET 455—Collection and Distribution Systems 5 hours
 CET 458—Traffic Analysis and Control 5 hours

SUGGESTED BS CET CHRONOLOGY

(Underline indicates critical courses which should not be delayed)

1st Year

<i>Fall</i>	<i>Winter</i>	<i>Spring</i>
ES 121	<u>MAT 152</u>	<u>MAT 166</u>
<u>MAT 151</u>	PSC 250	ENG 152
<u>TD 130</u>	ENG 151	<u>CHE 171</u>
Core III Elec.	HTH 131	PE Activity

2nd Year

<i>Fall</i>	<i>Winter</i>	<i>Spring</i>
PHY 251	PHY 252 or 253	PHY 252 or 253
MAT 167	ES 251	253
ES 231	ENG 251, 2 or 3	ES 253
TD 220	PE Activity	CET 351
		PE Activity

3rd Year

<i>Fall</i>	<i>Winter</i>	<i>Spring</i>
ES 252	ES 354	Core I Elective
ES 355 or 351	CET Elect.	ENG 271
CET 363	IET 481	CET 452
PE Activity		

4th Year

<i>Fall</i>	<i>Winter</i>	<i>Spring</i>
CET 345	CET 343	CET 364
CET 361	CET 456	CET Elect
CET Elect	CET Elect	Core III Elect
	Core III Elect	

Fall CET Electives: 352, 458; Winter CET Electives: 365, 353; Spring CET Electives: 366, 455

BACHELOR OF SCIENCE IN CONSTRUCTION BUILDING CONSTRUCTION AND CONTRACTING MAJOR

The Building Construction and Contracting Major prepares students for a variety of positions in the Building Construction industry. Successful graduates of the major may become general or specialty contractors, construction managers, construction estimators or schedulers, building code officials, manufacturers' field representatives, building material suppliers, or employed in one of many other building construction related positions. The program is accredited by the American Council for Construction Education (ACCE) and the National Association of Industrial Technology (NAIT).

GENERAL EDUCATION REQUIREMENTS

Core Curriculum Areas I, II, and III 60 hours
Health (3 hrs) and

Physical Education (4 hrs) 7 hours

Specific Requirements

Area IV requirements for Building Construction and Contracting include Accounting, Chemistry, Technical Writing, Geology, Statistics and Architectural Graphics. (*) Designates Area IV requirements.

CAS 251—Fundamentals of Public Speaking 5 hours

MAT 152—Trigonometry 5 hours

PHY 251,252, 253—General

College Physics/Lab 15 hours

ECO 260—Basic Economics 5 hours

*ACC 260—A Survey of Accounting 5 hours

*CHE 171—Introduction to General

Chemistry	5 hours
or STA 255—Statistics Using the	
Computer I	5 hours
*ENG 271—Technical Writing and	
Presentation	5 hours
*GLY 151—General Physical Geology ..	5 hours
MAT 157—Technical Calculus	5 hours
BCC 110—Introduction to Building	
Construction and Contracting	1 hour
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 333—Construction Finance	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 410—Senior Seminar	1 hour
BCC 431—Building Codes	3 hours
BCC 433—Construction Safety	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
or BCC 457—Internship	5 hours
MGT 351—Management and	
Organizational Behavior	5 hours
BA 399—Construction Law	5 hours
Unrestricted Free Elective	5 hours
Approved upper-division elective from the	
College of Business Administration to make	
195 total college credit hours.	

NOTES:

A grade of "C" or better is required in all course work identified with a BCC prefix.

1. Some courses identified as specific requirements may be used to satisfy core curriculum requirements shown for areas I, II and III.
2. See Academic Advisor for courses approved

for upper division electives from the College of Business Administration.

3. BCC students can earn a minor in business by satisfactorily completing an additional five-hours of approved 300-400 level business course work in addition to MGT 351, BA 399, and the required five hours of approved 300-400 level major elective from the College of Business Administration.
4. ACC 260 and ECO 260 must be taken as prerequisite to course work applicable to the Business Minor. Business minor course work fulfilled prior to satisfactorily completing prerequisite requirements will not apply toward satisfying requirements for the minor. However, such restrictions do not apply in respect to satisfying requirements for the BCC major only.
5. College Algebra (MAT 151) is highly recommended for all BCC students, but particularly for those possessing grades of less than "B" in two years of high school algebra.

SUGGESTED BCC CHRONOLOGY

1st Year

<i>Fall</i>	<i>Winter</i>	<i>Spring</i>
ENG 151	ENG 152	PHY 251
HIS 152/153	MAT 152	PSC 250
BCC 252	BCC 110	GLY 151
PEA	CHE 171 or STA 255 PEA	PEA

2nd Year

<i>Fall</i>	<i>Winter</i>	<i>Spring</i>
PHY 252	BCC 240	BCC 251
MAT 157	HTH 131	HIS 252/253
BCC 230	PHY 253	ENG 251,2,3
ACC 260	CAS 251	PEA

3rd Year

<i>Fall</i>	<i>Winter</i>	<i>Spring</i>
BCC 350	ENG 271	BCC 442
ECO 260	BCC 342	BCC 332
BCC 341	MGT 351	BCC 333
Business Elec.		BCC 351

4th Year

<i>Fall</i>	<i>Winter</i>	<i>Spring</i>
BCC 410	BCC 443	BCC 454 or
BCC 440	BCC 441	BCC 457
BCC 444	BCC 431	BA 399
BCC 343	BCC 452	BCC 433
Elective		

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

Core Curriculum, Areas I, II, III 60 hours
Health (3 hours) and

Physical Education (4 hours) 7 hours

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 has been taken to satisfy Area II of the core curriculum.

(*)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 (C++) ... 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 10 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
 EET 452—Electrical Distribution 5 hours
 EET 455—Engineering Measurements .. 5 hours
 EET 457—Communications Electronics 5 hours
 EET 459—Control Systems 5 hours
 EET 477—Fiber Optic Communications 5 hours
 EET 490—Directed Independent Study .. 5 hours
 EET 495—Special Problems 5 hours

Elect 15 hours from:
 ES 252—Dynamics 5 hours
 ES 253—Strength of Materials 5 hours
 ES 354—Fluid Mechanics 5 hours
 CSC 281—PASCAL 5 hours
 MAT 265—Calculus IV 5 hours
 Any upper-division Math, Physics, Computer Science, Engineering Technology, or Industrial Technology courses approved by the advisor may also be used as technical electives.

SUGGESTED BS EET CHRONOLOGY

1st Year

<i>Fall</i>	<i>Winter</i>	<i>Spring</i>
<u>MAT 151</u>	<u>MAT 152</u>	<u>MAT 166</u>
PSC 250	ENG 151	CHE 171
HIS 152/3	TD 130	TD 220
ES 121	PE Activity	ENG 152
		PE Activity

2nd Year

<i>Fall</i>	<i>Winter</i>	<i>Spring</i>
<u>MAT 167</u>	<u>MAT 264</u>	<u>EET 210</u>
Physics Area	HIS 252/3	ES 251
III Elect PE	Physics	Area I Elect
Activity	PE Activity	ENG 251/2/3

3rd Year

<i>Fall</i>	<i>Winter</i>	<i>Spring</i>
<u>EET 350</u>	HTH 131	<u>EET 456</u>
ENG 271	<u>EET 353</u>	<u>EET 462</u>
ES 231	EET 351	EET or Tech
	IET 481	Elect (3)

4th Year

<i>Fall</i>	<i>Winter</i>	<i>Spring</i>
<u>EET 458</u>	<u>EET 465</u>	ES 351
<u>EET 420</u>	EET or Tech	EET or Tech
<u>EET 451</u>	Elect EET or	Elect EET or
<u>EET 354</u>	Tech Elect	Tech Elect

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 360 RF Amplifiers
- EET 399 Selected Topics
- EET 450 Ind. Electron.
- EET 451 Elect Distrib.
- EET 455 Engrg. Meas.
- EET 457 Comm. Electr.
- EET 459 Cont. Syst.
- EET 477 Fiber Optic
- EET 490 Dir. Ind. Study
- EET 495 Special Problems

TECHNICAL ELECTIVES:
 ES 252 Dynamics
 ES 253 Str. of Matls.
 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, or Ind. 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 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.

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

Core Curriculum, Areas I, II, III 60 hours
Health (3 hours) and

Physical Education (4 hours) 7 hours

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.

(* 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 I and II 10 hours

*PHY—Additional General College Physics/Lab 5 hours

*TD 220—Computer Drafting 2 hours

*TD 130—Technical Drafting 3 hours

*ES 231—Digital Computation 3 hours
ES 251—Statics 5 hours
ES 252—Dynamics 5 hours
ES 253—Strength of Materials or
ES 351—Thermodynamics 5 hours
ES 355—Introduction to Electric Circuits 5 hours
MFG 350—Industrial Processes and Materials 5 hours
IM 352—Applied Industrial Statistics 5 hours
MGT 355—Decision Science I 5 hours
IET 352—Productivity Measurement and Improvement 5 hours
IET 333—Introduction to Industrial Engineering Technology 3 hours
IET 450—Production Planning 5 hours
IET 451—Plant Layout 5 hours
IET 453—Industrial Systems Simulation 5 hours
IET 454—Quality Assurance 5 hours
IET 455—Senior Project 5 hours
IET 481—Engineering Economy 5 hours
Elect 15 hours from:
IET 320—Industrial Safety 2 hours
IET 335—Job Evaluation 3 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
IET 490—Directed Independent Study .. variable
IET 495—Special Problems in Industrial Engineering Technology variable
ES 450—Computer Methods in Engineering Technology 5 hours
ACC 260—A Survey of Accounting 5 hours
IM 550—Ergonomics 5 hours
LIT 375—Business Logistics 5 hours
MFG 352—Metal Machining 5 hours
MFG 450—Computer Aided Machining 5 hours
MGT 351—Management and Organizational Behavior 5 hours

SUGGESTED BS IET CHRONOLOGY:

1st Year

<i>Fall</i>	<i>Winter</i>	<i>Spring</i>
<u>MAT 151</u>	<u>MAT 152</u>	<u>MAT 166</u>
ENG 151	TD 130	HIS 152/3
ES 121	ENG 152	CHE 171
HTH 131	HTH 131	PE Activity
	ES 231	

2nd Year

<i>Fall</i>	<i>Winter</i>	<i>Spring</i>
<u>MAT 167</u>	<u>ES 251</u>	<u>ENG 271</u>
PHY 251	HIS 252/3	PHY 252/3
Area I Elect	PHY 252/3	PSC 250
TD 220	PE Activity	PE Activity

3rd Year

<i>Fall</i>	<i>Winter</i>	<i>Spring</i>
<u>IET 333</u>	<u>ES 351or 253</u>	<u>ES 252</u>
<u>ES 355</u>	<u>IET 454</u>	<u>ENG 251/2/3</u>
IM 352	Area III Elect	<u>IET 352</u>
PE Activity		

4th Year

<i>Fall</i>	<i>Winter</i>	<i>Spring</i>
<u>IET 455</u>	<u>MFG 350</u>	<u>IET 450</u>
IET 481	IET Elect	<u>MGT 355</u>
<u>IET 451</u>	Tech elective	IET Elect
IET Elective		

*TD 130 & TD 220— Technical Drawing or TD 150	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
IET 352—Productivity and Improvement	5 hours
IET 451—Plant Layout	5 hours
FM 364—Textiles	5 hours
AD 350—Principles of Textile/ Apparel Design	5 hours
AD 462—Computer Aided Apparel Design	5 hours
ADM 430—Trade Regulations (3)	3 hours
AD 450—Advanced Textile/Design	5 hours
ADM 452—Advanced Apparel Production (3)	5 hours
ADM 454—Quality Control/Testing (3)	5 hours
IM 451—Senior Project, or 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 CHRONOLOGY

1st Year

<i>Fall</i>	<i>Winter</i>	<i>Spring</i>
ENG 151	MFG 150	HIS 152/3
MAT 151	ENG 152	CAS 251/2
TD 130	MAT 152	PSY 251
PE	TD 220	HTH 131

BACHELOR OF SCIENCE IN MANUFACTURING

APPAREL MANUFACTURING MAJOR INDUSTRIAL MANAGEMENT MAJOR

APPAREL MANUFACTURING MAJOR

The Apparel Manufacturing major 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.

The Apparel Manufacturing minor is for individuals seeking professional positions in the Apparel Manufacturing Industry.

GENERAL EDUCATION REQUIREMENTS

Core Curriculum, Areas I, II and III 60 hours
Health (3 hours) and

Physical Education (4 hours)..... 7 hours

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.

(*) Designates Area IV Requirement

2nd Year

<i>Fall</i>	<i>Winter</i>	<i>Spring</i>
PHY 251	MFG 352	ENG 251/2/3
HIS 252/3	MAT 255	PHY 252
PE ACC	IM 351	PE
260	ECO 260	
	PE	

3rd Year

<i>Fall</i>	<i>Winter</i>	<i>Spring</i>
PSC 250	CIS 251	ADM 351
CHEM 171	IET 320	ADM 430
TFM 364	ADM 350	IET 330
	Tech elec (5)	ADM 450

4th Year

<i>Fall</i>	<i>Winter</i>	<i>Spring</i>
ADM 452	ADM 454	IM 452
IET 451	Tech elect (5)	IM 471
Tech elect (5)	ENG 271	Tech elect (5)

NOTE: GT 499 Co-op (5 hours) will extend program beyond 4 years.

INDUSTRIAL MANAGEMENT MAJOR

The Industrial Management major's mission is to supply manufacturing firms in the region with top-quality technical management professionals.

The new competitive age of World Class Manufacturing requires people to serve and lead in customer-driven, world-class companies. The program's never-ending improvement process assures increased quality and productivity in preparing competitive graduates, and providing manufacturing firms with world-class management staff.

There are two concentration areas within the Industrial Management Major from which to choose. These two concentration areas are:

- 1. MANUFACTURING AND**
- 2. INDUSTRIAL SAFETY AND ENVIRONMENTAL COMPLIANCE**

MANUFACTURING CONCENTRATING AREA

Prepares the student for a professional career in supervising and managing the production phase of manufacturing industries. Coordinating the work system involving scientists, engineers and craftsmen is one primary responsibility of this occupational area and directing people, materials and machines in efficient production is another.

INDUSTRIAL SAFETY AND ENVIRONMENTAL COMPLIANCE CONCENTRATION AREA

Prepares the student for a professional career in development and management of EPA/OSHA (Environmental Protection Agency/Occupational Safety and Health Administration) compliance programs for manufacturing industries. Basic areas of required compliance regulations are 1) Water, 2) Air, 3) Solid Waste, 4) Emergency planning and community right-to-know emergency release notification, inventory reporting, and release reporting, 5) Pollution prevention, 6) OSHA requirements, 7) Proposed new regulations including indoor air quality regulations, violence in the work place standards, and ergonomic standards. A minor in Industrial Safety and Environmental Compliance is also offered (see minors).

GENERAL EDUCATION REQUIREMENTS

Core Curriculum, Areas I, II and III 60 Hours
Health (3 hours) and

Physical Education (4 hours) 7 Hours

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.

- (*) Designates Area IV Requirement
- TD 130 & TD 220—Technical Drawing or TD 150 5 hours
- *E 231 or CIS 251—Digital Computation or Intro. to Computer Systems 5 hours
- *ACC 260 (1)—A Survey of Accounting .. 5 hours
- *PHY 251 (1) or CHE 171—Physics or Chemistry/Lab 5 hours
- *ENG 271 or MKT 355—Technical Writing or Business Communications 5 hours
- CAS 251 or 252 (1)—Speech 5 hours
- MATH 151, 152 (1)—College Algebra, Trigonometry 10 hours
- CHE 171, 172—General Inorganic Chemistry, or PHY 251, 252 (1)—General College Physics 10 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—Applied Industrial Statistics	5 hours
IM 452—MFG Enterprise Assessment ...	5 hours
IM 454—Quality Assurance	5 hours
IM 471—Industrial Supervision	5 hours
IM 599—Manufacturing Internship	
MFG 150—The Manufacturing Enterprise	5 hours
MFG 354—Energy/Power Systems	5 hours

CONCENTRATION BREAKOUT

(Courses will be taken in one concentration or the other)

1. Manufacturing (25 hours)

MFG 350—Industrial Processes and Materials	5 hours
MFG 352—Materials Machining Technology	5 hours
MFG 356—Electrical Technology	5 hours
MFG 450—Automated Manufacturing Systems	5 hours
MFG 360—World Class Manufacturing	5 hours

2. Industrial Safety and Environmental Compliance (25 hours)

IM 550—Ergonomics	5 hours
IM 552—Industrial Hygiene	5 hours
IM 553—Hazardous Waste Management	5 hours
IM 554—Human Resource Protection...	5 hours
(should be taken first if possible)	
IM 556—System Safety in 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	IM 551
MFG 251	IM 552
IET 450	IM 553

NOTE: 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 CHRONOLOGY
(* Environmental Safety and Environmental Compliance option)

1st Year

<i>Fall</i>	<i>Winter</i>	<i>Spring</i>
ENG 151	TD 220	HIS 152/3
MAT 151	MFG 150	CAS 251/2
TD 130	ENG 152	PSY 251
PE	MAT 152	HTH 131
	PE	

2nd Year

<i>Fall</i>	<i>Winter</i>	<i>Spring</i>
PHY 251	MFG 352	MFG 360
HIS 252/3	IM 352	ENG 251/2/3
PE ACC 260	IM 351	PHY 252
	PE	PE

3rd Year

<i>Fall</i>	<i>Winter</i> ES	<i>Spring</i>
PSC 250	231 or	MFG 354
CHE 171	CIS 251	MFG 350
ENG 271 or	IET 352	MFG 356
MKT 255	IM 454	
	Tech elec (5)	

4th Year

<i>Fall</i> MFG	<i>Winter</i>	<i>Spring</i>
450 or	IET 450 or	*IM 599
*IM 50	*IM 553	IM 452
IET 451	MFG 353	IM 471
IET 481	or *IM 554	or *IM 556
	Tech elec (5)	

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 CSC, MAT, and STA course taken in the major. This applies to all courses (lower and upper division). *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

Core Curriculum, Areas I, II, and III.

Health (3 hours) and

Physical Education (4 hours) 7 hours

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 265 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—Applied Numerical Methods

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 251—Discrete Math for Computer Science

Mathematics 334—Introduction to Linear Algebra

Mathematics 338—Introduction to Probability

Mathematics 454—Mathematical Models and Applications

Mathematics 480—Applied Numerical Methods

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 351—Theoretical Foundations of Computer Science

Computer Science 364—Data Structures

Computer Science 385—Assembler Language Programming

An additional 10 hours in mathematics or computer science from upper-division offerings approved by advisor.

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

Core Curriculum, Areas I, II, III 60 hours
 Health (3 hours) and

Physical Education(4 hours) 7 hours

SPECIFIC REQUIREMENTS

The Area IV requirements for Mechanical Engineering Technology include 30 hours of chemistry, technical writing and presentation, two calculus courses, 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. (*) 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 I and II 10 hours
- *TD 130—Technical Drawing 3 hours
- *TD 220—Computer Drafting 2 hours
- *ES 231—Digital Computation 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—Intro. to Electric Circuits 5 hours
- MET 343—Materials and Processes in Manufacturing 4 hours
- MET 350—Mechanism Design 5 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 elec-

tives 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
- MET 460—Dynamic Systems 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.

1st Year

<i>Fall</i>	<i>Winter</i>	<i>Spring</i>
<u>MAT 151</u>	<u>MAT 152</u>	<u>MAT 166</u>
<u>ES 121</u>	TD 220	ENG 251/2/3
TD 130	ENG 152	Core I Elect
ENG 151	HIS 152/3	ES 231

2nd Year

<i>Fall</i>	<i>Winter</i>	<i>Spring</i>
<u>MAT 167</u>	PHY 262	<u>ES 253</u>
CHE 171	ENG 271	HIS 252
PHY 261	<u>ES 251</u>	ES 355
	HTH 131	PE Activity

3rd Year

<i>Fall</i>	<i>Winter</i>	<i>Spring</i>
MET 354	MET 451	MET 343
ES 252	ES 354	MFG 333
<u>ES 351</u>	MET 352	MET 459
PE Activity	PE Activity	Core III Elect

4th Year

<i>Fall</i>	<i>Winter</i>	<i>Spring</i>
MET 456	MET 435	MET 455
MET 446	MET 350	PSC 250
MET 460	MET 452	MET 457
MET Elective	PE Activity	

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 electronic imaging. The program prepares graduates for technical positions in production sales management and administration. A minor in Printing Management is also offered (see minors).

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

Core Curriculum, Areas I, II and III 60 hours
Health (3 hours) and

Physical Education (4 hours) 7 hours

SPECIFIC REQUIREMENTS

Area IV requirements include 30 hours of Accounting, Marketing, Computer Information Systems, Manufacturing, Economics, and approved elective. (*) Denotes Area IV Requirements.

- *ACC 260—Survey of Accounting 5 hours
- *CIS 251—Data Processing 5 hours
- *MFG 150—Manufacturing Enterprise .. 5 hours
- *PM 250—Graphic Arts I 5 hours
- *ECO 260—Economics 5 hours
- *Approved elective 5 hours
- PM 332—Printing Inks and Substrates .. 3 hours
- PM 336—Desktop Publishing 3 hours
- PM 335—Laws and Ethics of the
Printing Industry 3 hours
- PM 350—Image Preparation I 5 hours
- PM 365—Image Preparation II 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
- MKT 355—Business Communication 5 hours
- IM 471—Industrial Supervision 5 hours
- GT165—Technology, Science and
Environment 5 hours

- IM 553—Hazardous Waste Management 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. Additional hours of approved electives to total 190 hours is required for a Bachelor of Science in Printing Management. The Printing Management major can earn an optional minor in business. Student must consult the Business College for minor requirements.

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 CHRONOLOGY

1st Year

<i>Fall</i>	<i>Winter</i>	<i>Spring</i>
ENG 151	ENG 152	ENG 253
PM 250	PM 365	PM 336
GT 165	MAT 151	CHE 171
PE	PE	PE

2nd Year

<i>Fall</i>	<i>Winter</i>	<i>Spring</i>
CH E 172	PSC 250	HIS 152
CIS 250	ECO 260	ART 160
PM 350	PM 332	PM 335
PE	PE	HTH 131

3rd Year

<i>Fall</i>	<i>Winter</i>	<i>Spring</i>
ACC 260	MFG 150	PM 434
MKT 355	PM 432	PM 451
Elective	PM 452	PM 453
	ES 231	

4th Year*Summer*
PM 499

<i>Fall</i>	<i>Winter</i>	<i>Spring</i>
PM 455	MKT 350	MKT 350
Elective	IM 471	IM 553
IM 351	Elective	Elective

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 Science and 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. In addition to Georgia Tech, other schools such as Auburn University, Clemson University, University of Florida, Florida State University/FAMU, University of Georgia, Mississippi State University, University of South Carolina and Mercer University 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 from Georgia Tech may begin their college studies at Georgia Southern through the Regents Engineering Transfer Program (RETP). Upon successful completion of the engineering studies 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 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 be residents of Georgia and must have achieved upon initial enrollment at Georgia Southern 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. Students not meeting the above requirements may be admitted to the RETP at a later time based on their academic performance at Georgia Southern.

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 engineering studies 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 transferring to an engineering school to complete the course work in this program will usually require an excellent academic record with a grade point average of 2.50 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:

CHE 181—General Inorganic
Chemistry I 5 hours

CHE 182—General Inorganic
Chemistry II 5 hours
EGR 130—Introduction to Engineering . 3 hours
EGR 142—Introduction to Computing
for Engineers 4 hours
EGR 190—Freshman Engineering
Seminar 1 hours
EGR 251—Engineering Mechanics
I: Statics 5 hours
ENG 151—English Composition 5 hours
ENG 152—English Composition 5 hours
HIS 252 or 253—U.S. History 5 hours
MAT 166—Analytic Geometry
& Calculus I 5 hours
MAT 167—Analytic Geometry
& Calculus II 5 hours
MAT 264—Calculus III 5 hours
MAT 265—Calculus IV 5 hours
MAT 249—Calculus V 4 hours
MAT 350—Differential Equations 5 hours
PHY 261—General College Physics-
Mechanics 5 hours
PHY 262—General College Physics -
Heat, Sound & Light 5 hours
PHY 263—General College Physics-
Electricity & Magnetism 5 hours
PSY 250—American Government 5 hours
87 hours

COURSES REQUIRED FOR SPECIFIC MAJORS:

A = Aerospace, Ag = Agricultural, B = Biomedical, C = Civil, Ch = Chemical, Cp = Computer, E = Electrical, I = Industrial, M = Mechanical, Mt = Materials, N = Nuclear, T = Textile, U = Undecided
CHE 371, 372, 373 Organic Chemistry I, II, III
(Ch) 15 hours
CSC 232 - Intro. to FORTRAN Programming
(A, Ag, C, Ch, M, Mt, N, T, U) 3 hours
CSC 281 - Principles of Computer Programming
I (B, Cp, E, I) 5 hours
ECO 250, 251 - Principles of Economics I, II
(I) 10 hours
EGR 141 - Engineering Graphics
(A, Ag, B, C, Ch, I, M, Mt, N, T, U) ..4 hours
EGR 143 - Computer & Digital Design
Fundamentals(Cp, E) 3 hours
EGR 235 - Intorduction to Flight (A) 3 hours
EGR 252 - Engineering Mechanics II: Dynamics
(A, Ag, B, C, Cp, E, I,M, Mt, N, T, U) 5 hours
EGR 341-2 - Elements of Electrical Engineering
I, II (Cp, E, U) 8 hours
EGR 350 - Thermodynamics I

- (A, Ag, B, M,N, T, U) 5 hours
 EGR 353 - Mechanics of Deformable Bodies
 (A, Ag, C, M, Mt, N, T, U) 5 hours

SUGGESTED ENGINEERING STUDIES COURSE SEQUENCE:

1st Year

<i>Fall</i>	<i>Winter</i>	<i>Spring</i>
MAT 166	MAT 167	MAT 264
CHE 181	CHE 182	PHY 261
ENG 151	ENG 152	HIS 252/3
EGR 130	EGR 142	EGR Elec.
EGR 190		

2nd Year

<i>Fall</i>	<i>Winter</i>	<i>Spring</i>
MAT 265	MAT 249	MAT 350
PHY 262	PHY 263	PSC 250
EGR 251	EGR Elec.	EGR Elec.
EGR Elec.		

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 degree's 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.

U.S. ARMY RESERVE OFFICER TRAINING CORPS PROGRAM

The 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, U.S. Army Reserve or the 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 the 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 course

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, small unit organization, and marksmanship. 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 advanced program. If all the basic course classes are not taken, the student may elect to attend Camp Challenge to qualify for the advanced program. (See Two-Year Program versus the Four-Year Program.)

Advanced course

The Military Science Advanced Course is taken during the junior and senior years. Students

learn land navigation, communications, small unit tactics, patrolling, military management, staff operations, 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). 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 U.S. 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 course 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. Advance Camp will count for 5 general elective credits applied toward graduation requirements.

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.

Generally, veterans, 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 advanced 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 advanced placement and who have not completed the basic course program may still become qualified for the advanced 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. Basic Camp will count for 5 general credits applied toward graduation requirements.

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. 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 incur a three year obligation. Other options include 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 cadets are paid a subsistence allowance of \$150 per month while enrolled in the advanced course. This amounts to \$3,700 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 \$150 per month for the academic year. Based on a Na-

tional Order of Merit ranking, scholarships are awarded in the amount of \$5,000, \$8,000, or \$12,000 per year. Individuals desiring to compete for these scholarships should apply to the Army Military Science Department at Georgia Southern University between October 1st and January 31st.

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.

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.

PRE-FORESTRY(TWO-YEAR)

Georgia Southern University, in cooperation with the Warnell 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 selecting a pre-forestry program of study follow a prescribed curriculum, depending on the intended major. At Georgia Southern University during the freshman and sophomore years. This curriculum prepares students for transfer to the Warnell School of Forest Resources to complete a Bachelor of Science in Forest Resources (BSFR). A limited number of students are accepted into the forest resources program. Students seeking admission to University of Georgia Warnell School of Forest Resources must complete an application which is separate from the University of Georgia admission application. Application for fall quarter admissions should be submitted by April 1st, and for spring quarter

submitted Dec. 15th. Application and scholarship forms may be obtained from the undergraduate coordinator, School of Forest Resources. For complete admission information contact the Office of Student Services, Warnell School of Forest Resources, U.G.A., 30602-2152. The advisor to the pre-forestry program at Georgia Southern is Dr. Kishwar Maur, Department of Biology.

Biology 161 and 162 10 hours
 Chemistry 181 and 182 10 hours
 Computer Science 281 5 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, 253;
 Language (100-200 level); Music 152; or
 Philosophy 150 5 hours
 Mathematics 152 or 165, 166 10 hours
 Mathematics/Science electives:
 Biology 281 or 282; Geology 151 or 152;
 Math 151 or Physics 251 or 252 5 hours
 Political Science 250 5 hours
 Social Science Electives:
 Anthropology 150; Economics 250;
 Geography 250; History 152, 153, or 252,
 253; Psychology 150;
 Sociology 150 10 hours
 Physical Education activities
 (2 courses) 2 hours
 Speech (CAS 251) 5 hours
 Statistics 255 5 hours
 Other electives:
 Biology 281 or 282, Geology 151 or 152,
 Chemistry 377, or Physics 251 or 252
 (Required for Soil and Water Resources) 5 hours
 Biology 382 (Required for Wildlife and Fisheries)

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 appropriate faculty advisor considering the student's personal plans. Students planning to complete the medical technology program are advised by Dr. Frank Radovich, 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,
 Department of Chemistry
- Pre-Optometry Dr. Donald Drapalik,
 Department of Biology

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.

- Biology 151, 152 10 hours
- Chemistry 181, 182, 183, 377, 378 25 hours
- Economics 251 5 hours
- English 151, 152 and
251, or 252 or 253 15 hours
- History 152, 153, 252 or 253 5 hours
- Mathematics 165 or 151 and 152 5-10 hours
- Political Science 250 5 hours
- Health (3 hours) and
Physical Education (4 hours) 7 hours
- Physics 251 and 252 or 253; or
261 and 262 or 263 10 hours
- Speech (CAS) 251 5 hours
- Electives (should be chosen from Psychology,
Sociology, English Literature) 8 hours

For students desiring to attend the University of Georgia College of Pharmacy, Anthropology 150 must be taken as a social science elective.

For students desiring to attend Mercer University-Southern School of Pharmacy, Mathematics 166 must be taken as a requirement.

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, PRE-DENTISTRY AND PRE-VETERINARY

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,

PRE-MEDICAL PROGRAM

There is no major in "Pre-Medicine". Students desiring to go to medical school should pursue courses of study leading to bachelor's degrees in academic areas chosen according to their interests and aptitudes. Pre-medical academic advisors are: Dr. Sara Neville Bennett, biology; Dr.

Bill Ponder, chemistry, and Dr. Arthur Woodrum, physics. Students with majors other than biology, chemistry, or physics should be advised by Dr. Bennett in addition to the academic advisor in the chosen major. Students must be careful to complete courses required for acceptance into medical school as well as those courses required for their degrees.

FRESHMAN PRE-MEDICAL STUDENTS:

During their first three quarters, in addition to one course appropriate for the chosen major, beginning freshmen should take BIO 161, BIO 162, CHE 181, CHE 182, CHE 183, MAT 151, MAT 152, MAT 166. Students with advanced backgrounds in mathematics will take the appropriate courses through MAT 167. For Fall Quarter, regardless of their majors, freshman pre-medical students will be advised by the designated advisor in biology, chemistry, or physics. During the designated advisement periods for pre-registration for Winter and for Spring quarters, all pre-medical students will be advised by the members of the Medical/Dental Admissions Review Board. Those students who achieve at least a 3.0 cumulative, non-adjusted GPA after completing a minimum of two quarters (30 hours), will be assigned to a Pre-Medical advisor who will advise them during the Spring quarter advisement period for pre-registration for Summer quarter and/or Fall quarter of the Sophomore year.

SOPHOMORES, JUNIORS, SENIORS, AND TRANSFER PRE-MEDICAL STUDENTS.

These students will be admitted to the Pre-Medicine Program and assigned to a Pre-Medical advisor only after demonstrating that they have the potential for being competitive for acceptance into medical school. Evidence of this is a cumulative, non-adjusted GPA of at least 3.0.

MEDICAL COLLEGE ADMISSIONS TEST

(MCAT): Scores on the MCAT are required by almost all medical schools. Currently, the test is given in April and in August. It is recommended that the test be taken in April prior to the time the application is submitted and approximately a year and a half before matriculation at the medical school is desired. Prior to Winter quarter of Year 3 for the April administration of the MCAT,

or prior to Summer quarter following Year 3 for the August administration of the MCAT, students should complete six quarters of chemistry, three quarters of physics and at least four quarters of biology in order to be prepared to study for the exam. Students are not advised to take the MCAT unless they have finished these courses at least one quarter prior to the exam time. Students who do not complete the above courses on time should be prepared to have their time of entrance into medical school delayed accordingly. Students are better prepared for the MCAT if they elect to take CHE 371, 372, and 373 and PHY 261, 262, and 263 rather than the other series of organic chemistry and physics. The attainment of competitive scores on the MCAT requires an extended period of intensive study. Students are advised to obtain appropriate study materials and to study seriously and diligently over a period of several months. They are also advised to avail themselves of preparatory courses designed to tutor the student for the MCAT.

APPLICATION PROCEDURES FOR MEDICAL AND DENTAL SCHOOLS:

For most schools, deadlines for applications are during the fall preceding the year of entry into the school. Early application is recommended. It is the responsibility of the student to secure the proper application materials and to meet all deadlines. Requests for college transcripts to be sent as part of the application should be made at least three weeks prior to the time they are needed.

THE MEDICAL/DENTAL ADMISSIONS REVIEW BOARD:

Letters of recommendation for pre-dental and pre-medical students are prepared by the Medical/Dental Admissions Review Board, as required by most medical schools. Letters will be written only for those students who have been interviewed by the Board and under no circumstances will letters be written for students by individual members of the Board. 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 only during Spring and Fall quarters. Competition for admission to the schools is such that favorable letters can be written only for those students who have

achieved adequate GPAs and test scores. Pre-dental students requesting an interview must have at least a 2.8 cumulative, non-adjusted GPA. Pre-medical students requesting interviews must have at least a 3.0 cumulative, non-adjusted GPA and a total of at least 20 points on the MCAT. Students who do not meet these requirements and who think that there are extenuating circumstances should make this known, in writing, to Dr. Bennett. Subsequently, the Board will make a decision regarding the eligibility of the student for an interview. Students anticipating participation in early acceptance programs which have deadlines prior to Fall quarter, should advise Dr. Bennett of their intentions and must request interviews during Spring quarter, since they cannot be assured of interviews during the Summer. Only form letters of reference will be sent from the Board for any student who was not interviewed, but who has requested a letter. The above are minimum criteria for consideration for recommendation by the Board and do not ensure acceptance into the respective schools.

PRE-MEDICINE

Biology 161, 162 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 161, 162 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 161, 162, 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 586 5 hours
 Mathematics 166 5 hours

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.

Biology 151, 152 10 hours
 Chemistry 181, 182, 183, 377, 378 25 hours
 Economics 251 5 hours
 English 151 and 152 10 hours
 History 152, 153, 252 or 253 5 hours
 Mathematics 165 or 151 and 152 5-10 hours
 Political Science 250 5 hours
 Health (3 hours) and
 Physical Education (4 hours) 7 hours
 Physics 251 and 252 or 253; or
 261 and 262 or 263 10 hours
 Speech (CAS) 251 5 hours
 Electives (should be chosen from Psychology,
 Sociology, English Literature) 8 hours
 For students desiring to attend the University of
 Georgia College of Pharmacy, Anthropology 150
 must be taken as a social science elective. For
 students desiring to attend Mercer University -
 Southern School of Pharmacy, Mathematics 166
 must be taken.
 Total 95 - 100 hours

COURSE DESCRIPTIONS

ALLEN E. PAULSON COLLEGE OF SCIENCE AND TECHNOLOGY

Dr. Jimmy L. Solomon, Dean
 Dr. Denise A. Battles, Assistant Dean

BIOLOGY

Courses in Biology are offered by the Department of Biology.

J. Averett, Chair

Professors: J. Averett, S. Bennett, J. Boole (Emeritus), J. Claiborne, J. Diebolt, F. French, D. Hagan, E. Hibbs (Emeritus), W. Krissinger, B. Lovejoy (Emeritus), S. McKeever (Emeritus), J. Oliver, J. Parrish
Associate Professors: J. Copeland, D. Drapalik, D. Gantt, W. Irby, K. Maur, D. McLain, A. Pratt

Assistant Professors: R. Chandler, D. Drake, A. Morrison-Shetlar, O. Pung, D. Rostal, S. Vives, L. Wolfe

Adjunct Professors: J. Lee, D. Menzel, H. Sengbusch, H. Windom

Adjunct Associate Professor: R. Hanson

BIO 151—PRINCIPLES OF BIOLOGY I

An introductory course which includes the diversity of life, ecology, and genetics. Four lecture and two laboratory hours per week. BIO 151 will not serve as a prerequisite for biology courses numbered 200 or above. Not open to students with credit in BIO 161.

BIO 152—PRINCIPLES OF BIOLOGY II

A second course in introductory biology which includes the evolution and organization of life from cellular through organismal levels. Four lecture and two laboratory hours per week. BIO 152 will not serve as a prerequisite for biology courses numbered 200 and above. Not open to students with credit in BIO 162. Prerequisite: BIO 151 or permission of instructor.

BIO 161—GENERAL BIOLOGY I

A general biology course designed for biology majors. This course includes the scientific method, biological chemistry, cell structure and function, mitosis and meiosis, genetics, gene expression and regulation, population genetics, evolution and the origin of life. This course serves as a prerequisite for other Biology-major courses.

BIO 162—GENERAL BIOLOGY II

A second course in a general biology sequence designed for biology majors. This course includes microbial diversity and physiology; plant diversity, growth, reproduction, and physiology; animal diversity, growth, reproduction, and physiology; ecology and behavior. This course serves as a prerequisite for other Biology-major

courses. Prerequisite: Biology 161.

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. Four lecture and two laboratory hours per week. Prerequisite: Chemistry 172 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. Four lecture and two laboratory hours per week. Prerequisite: Biology 271 or permission of the 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 161 and 162.

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 161 and 162.

BIO 284—MICROBIOLOGY

Fundamental principles of Microbiology. Topics will include structure, physiology, and economic importance of microorganisms. Four lecture and two laboratory hours per week. Prerequisite: five hours of biology and CHE 172.

BIO 350—BIOLOGY OF MICROORGANISMS

Principles and techniques of general microbiology. Topics will include ultrastructure reproduction, physiology, genetics and host-parasite

interactions concerning viruses, bacteria and eukaryotic microorganisms. Four lecture and two laboratory hours per week.

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 355—FIELD BIOLOGY

A field introduction to plants and animals of the Georgia Coastal Plain. Lecture, laboratories, field collections, identification, and natural history are included. Weekend field trip required. Three two-hour lecture-laboratories and one-hour lecture per week. Prerequisites: ten hours of biology.

BIO 363—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 364—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 364 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 macro-molecules. 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 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 classifi-

cation, 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 468—ICHTHYOLOGY

Lecture will emphasize the systematics, evolution, biology, ecology, and behavior of recent and extinct fishes. Laboratory work will emphasize the identification, morphology, and natural history of fishes. Prerequisite: Biology 281 or consent of instructor.

BIO 470—NEUROBIOLOGY

Introduction to the biology of the nervous system. Topics include mechanisms of neural responses, neural integration, neural development and environmental effects on developing and mature nervous systems. Prerequisite: Biology

370 or permission of instructor. Biology 481 recommended.

BIO 472—GENETICS

The study of inheritance at the biochemical, cytological, organismic and population levels. Five lecture hours per week. Prerequisite: 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 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 161 and 162. 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-hour laboratories per week. Prerequisite: 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 must act as consultants. Internships must be approved by the chair of the biology department. Limited to 5 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 ACAROLGY

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 558—AQUATIC ECOLOGY

This course will cover the biological and physiochemical factors that affect common organisms found in local aquatic ecosystems. Prerequisites: Biology 281, 282, 473, or consent of instructor.

BIO 564—MYCOLOGY

A study of the fungi, stressing classification, identification, structure, economic importance, and symbiotic relations with other organisms. Dermatomyces 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 567—PLANT ECOLOGY

A study of the ecological processes that determine the structure and dynamics of plant populations and communities. Laboratory work and field trips will emphasize practical aspects of research design, data collection, and analysis. Three lecture and four laboratory hours per week. Prerequisite: Biology 473.

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 five weeks in the field, depending upon

the habitat selected and the type of travel required. In addition to tuition, students must bear all travel expenses while in the field. Offered during summer quarter. Prerequisites: upper-division standing and consent of instructor. Ten hours credit.

BIO 599—SELECTED TOPICS IN BIOLOGY

CHEMISTRY

Courses in chemistry are offered by the Department of Chemistry.

B. W. Ponder, Chair

Professors: R. Boxer, M. Cain (Emerita),

C. Colvin (Emeritus), B.W. Ponder

Associate Professors: R. Fitzwater (Emeritus),

C. Kellogg, M. Hurst, R. Nelson

J. Orvis

Assistant Professors: P. Cerpovicz, T. Deal,

J. LoBue, J.N. Orvis, J. Rice, N.Schmidt,

B. Wojciechowski

Visiting Assistant Professor: C. Whitlock

Visiting Instructor: S. Glueckert

CHE 165—CHEMISTRY AND YOUR WORLD

A general course designed to familiarize the non-science major with the existing relations between fundamental aspects of chemistry and human society. Topics discussed include air pollution, water pollution, drugs, nutrition, plastics, and nuclear power. Five lectures per week.

CHE 171—INTRODUCTION TO GENERAL CHEMISTRY

First course in the two-course sequence, CHE 171 and CHE 172. The course stresses the basic laws of chemistry: principles of reaction, chemical bonding, and acid-base equilibria. Four lectures and one three-hour laboratory per week.

CHE 172—INTRODUCTION TO ORGANIC CHEMISTRY

Second course in the two-course sequence, CHE 171 and CHE 172. The course consists of a brief survey of the principles of organic chemistry with emphasis on compounds of biological interest. Cannot be used as a prerequisite for upper-level chemistry courses except for CHE 380. Four lectures and one three-hour laboratory per week. Prerequisite CHE 171.

CHE 181—CHEMICAL STRUCTURE AND PROPERTIES

A course examining the intimate relationship between the structure of a compound and its

properties. Topics include: atomic theory, bonding, structure, mass-mole relationships, molarity, intermolecular forces, and the properties of solids, liquids, and gases. Four lectures and one three hour lab per week.

CHE 182—CHEMICAL REACTIVITY

An in depth study of chemical reactivity. Topics include: stoichiometry, thermodynamics, equilibrium, kinetics, and reactions of acids and bases. Four lectures and one three hour lab per week.

CHE 183—APPLICATIONS OF STRUCTURE AND REACTIVITY

A course designed to explore the intimate relationships between structure and reactivity. 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

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 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 561—CHEMICAL SPECTROSCOPY AND MOLECULAR STRUCTURE

A course devoted to the study of basic principles and practical application to the various types of spectra as applied to the study of molecular structure. Five lecture periods per week. Prerequisites: Ten hours physics, ten hours calculus, and ten hours of organic chemistry or consent of instructor.

CHE 571—INTRODUCTION TO POLYMER CHEMISTRY

A study of the synthesis and the mechanisms of formation of polymers; an introduction to some of the analytical techniques useful in determining the structure and molecular weight of polymers; the effect of molecular weight and structure on the properties of polymers.

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. Prerequisites: CHE 373 or 378, and CHE 586.

DEPARTMENT OF ENGINEERING TECHNOLOGY

R. Hanson, Acting Chair:

Professors: S. Laskin, M. Degyansky, J. Karrh, J. Wallace

Associate Professors: R. Redderson, R. Hanson, G. Clark, V. Kouch, M. Davoud

Assistant Professors: N. Das, M. Ogle

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 are/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 351—THERMODYNAMICS

An introduction to thermodynamics. First and second law analysis of thermal systems. Use of property charts and tables and equations of state in analyzing common thermal processes of technological importance. Four single lecture periods and one-2 hour lab. Prerequisites: Math 166; Corequisite: Math 167.

ES 354—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 355—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; used of BASIC and FORTRAN languages on microcomputers for technical problem solutions; DOS, word processor, and spread sheet 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 periods 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

Coordinate Geometry; control surveys; triangulation; trilateration; state plane coordinate systems; astronomical observations for azimuth; topographic mapping; subdivision and plat requirements. 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; horizontal forms, including spiral curve calculation; vertical curves; earthwork computation techniques; mass diagram; stake out of final design. Four single lecture periods and one three-hour lab. Prerequisite: CET 351.

CET 354—WOOD AND MASONRY DESIGN

1. Introduction to the design of wood structures in accordance with the "National Design Specification for Wood Construction." Topics: Properties of Wood, design of beams, columns, and diaphragms. 2. Introduction to the design of reinforced masonry structures in accordance with the "Building Code Requirements for Masonry Structures (ACI/ASCE/TMS)." Topics: General design considerations, design of walls, pilasters, and lintels. Five single lecture periods. Pre-requisite: ES 253.

CET 361—SOILS AND FOUNDATIONS

A practical introduction to soil mechanics and foundations; physical properties of soils, 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 plane structures, classical slope deflection and moment distribution. Introduction to computer analysis of frames with micro-computers. Five single lecture periods. Prerequisite: ES 253 and ES 231.

CET 364—STEEL DESIGN

Introduction to building code (LFRD-AISC) specification for design. Characteristics of structural steels. Tension members. Columns. Beams.

Beam-columns. Connections. Four single lecture periods and one two-hour design/computational laboratory. Prerequisite: CET 363.

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. Prerequisites: Junior standing in CET.

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 dept. One to 15 credits.

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 three-hour design/computational laboratory. Prerequisite: ES 354 and ES 231.

CET 456—TREATMENT PLANT DESIGN

Sources and characteristics of water and waste water; 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; Pre- or Co-Req: 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. Four single lecture periods & one three-hour Design/Field Laboratory.

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 Kirchoff'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. Prerequisite: 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 design of beginning through advanced functions, systems 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 in Circuit 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 small signal amplifiers, power amplifiers, operational amplifiers, multistage amplifiers, feedback amplifiers, oscillators, tuned amplifiers, and regu-

lated 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, combinational logic, flip flops, counters, registers, and memory systems. Four single lecture periods and one two-hour lab period. Corequisite: EET 351 or permission of the instructor.

EET 457—COMMUNICATIONS ELECTRONICS

A study of 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 354.

EET 458—MICROCONTROLLERS

A study of operation and application of 8051 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, opamp 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 477—FIBER OPTIC COMMUNICATIONS

Fiber optic technology as applied to communica-

tion 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 the project six weeks prior to registration.

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.

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. Prerequisite: IM 352 or consent of instructor

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 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. Prerequisite: 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: IM 352 or consent of the instructor.

IET 454—QUALITY ASSURANCE

A comprehensive approach to the improvement of quality, productivity, and competitive position for industry and business. The course focuses on the Deming philosophy and applications, provides tools to analyze and improve industrial processes, and includes quality improvement case studies. The objective is to provide students a sound understanding of the principles and the bases of application to a wide-variety of product and non-product environments. Four single lecture periods and one two-hour laboratory.

Prerequisite: IM 352

IET 455—SENIOR PROJECT

The Senior Project is a culmination of an Industrial Engineering Technology student's degree work. It requires students to apply knowledge gained from all IET courses to solve an industrial engineering problem under the supervision of a faculty member. It shall be conducted in an industrial setting or as an individual research on an approved subject. A project proposal, a number of interim progress reports, a final written report and a final oral presentation are required. Prerequisite: Senior standing in IET.

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 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 350—MECHANISM DESIGN

Kinematic analysis and design of the basic machine components and an introduction to mechanism synthesis. Extensive use of Working Model software. Five single lectures. Prerequisite: ES 252.

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. Three single lecture periods. 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 microstructure and mechanical properties of materials; mechanical testing, metallography, cooling curves, and phase dia-

grams. 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 using Lab-tech software, and analysis. Thermal, mechanical and fluid measurement applications, report writing. Three double hour lecture lab periods. 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. Five single lecture periods. 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 single periods. Prerequisites: MET 456, MET 435 and MET 350.

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 460—DYNAMIC SYSTEMS

Mechanical, electromechanical, thermal, fluid and miscellaneous types of dynamic systems are investigated for the purpose of establishing or meeting specified design criteria. The TUTSIM block-diagram software package is used to solve system differential equations. A review of differential equation basics and Laplace transforms is included. Two double lecture periods and one 2-hour lab. Prerequisites:MET 459 and ES 354.

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.

GEOLOGY

Courses in geology are offered by the Department of Geology and Geography.

F. Rich, Chair

Professors: G. Bishop, S. Hanson (Emeritus)

Part-time Professor: V. Henry

Associate Professors: J. Darrell, R. Petkewich,

F. Rich, K. Vance

Assistant Professors: D. Battles, R. Hulbert

Adjunct Associate Professor: C. Schubert

Adjunct Assistant Professor, C. Alexander

GLY 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.

GLY 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: GLY 151 or permission of instructor.

GLY 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 of these components and their effects on our daily lives are discussed.

GLY 321—BASIC SCIENTIFIC PHOTOGRAPHY

This course will cover basic history, theory and techniques of communicating concepts of science through 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.

GLY 351—ELEMENTARY CRYSTALLOGRAPHY AND MINERALOGY

An introduction to morphological crystallography and the study of the genesis, occurrence and uses of the common minerals. Laboratory work consists of study of common crystal forms and the physical identification of minerals. Three lectures and four laboratory hours a week. Prerequisites: Geology 151 and Chemistry 181-182.

GLY 352—OPTICAL MINERALOGY

An introduction to optical theory, the optical properties of isotropic and anisotropic minerals, and the use of the petrographic microscope. Laboratory work consists of study of petrographic procedures and techniques for identification of the common minerals. Three lectures and four laboratory hours a week. Prerequisite: Geology 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, planetable 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 399—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 approval 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 range, 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 490—DIRECTED STUDY

Well-prepared geology majors may be permitted to carry on independent study upon the recommendation of one of the geology/geography faculty. Prerequisite: permission of the instructor.

GLY 494—BACHOLOR OF SCIENCE SENIOR THESIS RESEARCH

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.

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 MICROPALAEONTOLOGY

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 a 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

GEOGRAPHY

Courses in geography are offered by the Department of Geology and Geography.

Professor: D. Good

Assistant Professor: J. Leib, M. Welford

GGY 150—PHYSICAL GEOGRAPHY Physical Geography is the study of the earth's surface in its areal differentiation. The course focuses on the various elements of physical geography that act as a foundation to the discipline including location and interaction of physical surficial phenomena. Four lecture and two lab hours per week.

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 356—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 OF NATURAL RESOURCES

An examination of basic environmental factors in the setting of human economic and social actions. Particular emphasis is placed on modern efforts of conservation and resource management concerning wildlife, forests, fisheries, agriculture, rangeland, water, soils, and oceans.

GGY 360—WEATHER AND CLIMATE Study of the elements and controls of weather and climate and the distribution and characteristics of climate regions.

GGY 399—SELECTED TOPICS IN GEOGRAPHY

GGY/AS 451—GEOGRAPHY OF NORTH AMERICA

Analysis of the physical, political, economic, and cultural geography of the United States and Canada.

GGY 452—URBAN GEOGRAPHY

Geographic analysis of site, situation, base, principal functions, distribution, supporting areas, and internal structure of urban settlements.

GGY/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.

GGY/LAS 460—GEOGRAPHY OF LATIN AMERICA

A study of the physical, cultural, and economic geography of Latin America.

GGY 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: GGY 250 or permission of instructor.

GGY/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.

GGY 499—SPECIAL PROBLEMS IN GEOGRAPHY

Independent study for advanced students in geography. Prerequisite: Approval of department chair.

GGY 599—SELECTED TOPICS IN GEOGRAPHY

DEPARTMENT OF INDUSTRIAL TECHNOLOGY

K. Hickman, Chair

Professors: K. Hickman, J. Holmes, W. Meeks, L. Selvidge, S. Williams

Associate Professors: L. Fine, C. Perry, D. Williams

Assistant Professors: S. Altayeb, G. Duncan, H. Mortensen

Instructors: C. Dart, K. Koloski,

C. Parrish-Woody

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: MFG 150. Four single periods and one double period.

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: MFG 150 and a Statistics course. Four single periods and one double period.

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.

ADM 499—INTERNSHIP

This course is designed for students to receive practical work experience with an approved manufacturing firm. Approval of internship is coordinator required. Prerequisite: MFG 150 and consent of program coordinator.

BUILDING CONSTRUCTION AND CONTRACTING

BCC 110—INTRODUCTION TO BUILDING CONSTRUCTION AND CONTRACTING

An introduction to building construction education and to the building construction industry for new or potential BCC students. Faculty and construction related professionals present scheduled sessions intended to stimulate interest in construction, encourage academic excellence, and correlate BCC program requirements with the demands and expectations inherent to the building construction industry. Prerequisites: None. Five biweekly double period lectures.

BCC 230—CONSTRUCTION STATICS

A study of the theory of static forces on non-deformable bodies as focused on the needs of the builder. Topics include the examination of coplaner determinant forces and the analysis of trusses and frames, friction, and centroids and moment of inertia. Prerequisite: PHY 251. Two single period lectures and one double period lab.

BCC 240—CONSTRUCTION STRENGTH OF MATERIALS

A study of the theory and application of strength of materials. Topics include stresses and strains; property of materials; bending, shear, and deflections in beams; and column analysis. Prerequisites: BCC 230. Three single period lectures and one double period lab.

BCC 251—CONSTRUCTION SURVEYING

An introduction to the equipment and techniques used for property, topographic, and construction surveying. Topics include taping; leveling; angle, azimuth and bearing determinations; traverse computations; topographic analysis; and area and volume calculations. Prerequisites: MAT 152 and BCC 252. Three single period lectures and two double period labs.

BCC 252—ARCHITECTURAL GRAPHICS AND PRINT READING

A study of construction working drawings. Topics include sketching and drafting techniques for the development of floor plans, elevations, sections, and building components. Prerequisites: None. Three single period lectures and two double period labs.

BCC 332—HISTORY OF ARCHITECTURE AND CONSTRUCTION

A study of the history of architecture and construction. Topics include architectural styles; historically significant buildings and construction methods; and notable architects and builders. Prerequisite: ENG 271 and BCC 252. Three single period lectures.

BCC 333—CONSTRUCTION FINANCE

A study of the basic principles and applications of construction finance. Topics include the time value of money, construction cash flow analyses, financial forecasting and asset and debt management for contractors. Prerequisites: ACC 260 and ECO 260. Three single period lectures.

BCC 341—SITE CONSTRUCTION

A study of the fundamentals of site layout and foundations. Topics include earthwork and equipment; protection of excavations and adjacent buildings, foundation types; soil types; and horizontal construction on building sites. Prerequisites: BCC 240, BCC 251, and GLY 151. Two single period lectures and two double period labs.

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. Prerequisite: BCC 252. Two single period lectures and two double period labs.

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 communication systems; and the National Electrical Code. Prerequisites: PHY 253 and BCC 252. Three single period lectures and one double period lab.

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. The course covers divisions 7-14 of the BSI Masterformat. Prerequisite: BCC 252. Five single period lectures.

BCC 351—MECHANICAL EQUIPMENT AND SYSTEMS

A study of the mechanical equipment, methods

and systems applicable to building construction. The course is composed of two parts. Part one addresses energy availability, usage and control. Part two addresses thermal flow and domestic water and waste systems, and plumbing codes. Prerequisites: PHY 252 and BCC 252. Five single period lectures.

BCC 399—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 offering shall carry a subtitle for topic identification. Prerequisite: Permission of instructor.

BCC 410—SENIOR SEMINAR

A seminar on subjects of special need and interest to advanced BCC students. Faculty and construction related professionals present scheduled sessions of selected topics intended to assist students in the transition to the building construction industry. Prerequisite: 40 hours of BCC course work. Five biweekly double period lectures.

BCC 431—BUILDING CODES

A study of codes used in the building construction industry with emphasis on the Standard Building Code. Prerequisites: ENG 271 and BCC 350 or consent of the instructor. Three single period lectures.

BCC 433—CONSTRUCTION SAFETY

A study of safe building construction management techniques. Topics include workers' compensation insurance, OSHA regulations, construction disasters, safe construction training and planning, and the hidden costs of accidents. Prerequisite: 40 hours of BCC course work. Three single period lectures.

BCC 440—CONCRETE AND MASONRY STRUCTURES

A study of concrete, concrete formwork and masonry materials, systems, and construction methods as they apply to concrete and masonry construction. Topics include concrete formwork design and construction; concrete reinforcing and accessories; fundamental properties of concrete; concrete handling, field testing, finishing and curing; masonry and mortar materials and accessories; and masonry construction. Prerequisites: BCC 442. Three single period lectures and one double period lab.

BCC 441—STEEL STRUCTURES

A study of steel materials, systems, construction methods and strength analysis as applied to building construction. Topics include fundamental properties and characteristics of steel; strength of steel framed systems; and an analogy of the methods used in the design, production, and erection of structural steel. Prerequisites: BCC 240. Three single period lectures and one double period lab.

BCC 442—WOOD STRUCTURES

A study of wood construction materials, methods and systems and the application of structural theory for analyzing framing in building construction. Topics include properties and characteristics of wood; strength analysis of wood and wood fasteners; introduction to wood framed systems; and an analysis of the methods used in the design, production, and erection of wood construction. Prerequisite: BCC 240 and BCC 252. Four single period lectures.

BCC 443—CONSTRUCTION COST ESTIMATING

Methods and procedures in estimating costs of construction projects. Topics include types and purposes of estimates, direct and indirect costs, labor and equipment cost analysis, the CSI Masterformat, approximate estimates, and computerized estimating. Prerequisite: BCC 333 and BCC 342. Four single period lectures.

BCC 444—PROJECT PLANNING AND SCHEDULING

Fundamentals and techniques of planning and scheduling for construction projects. Topics include bar charts, Critical Path Method using both arrow and node networks, precedence networks, cost-time trade-offs, PERT, resource leveling, updating schedules during construction, introduction to project control, and computerized scheduling. Prerequisite: BCC 342. Three single period lectures and one double period lab.

BCC 452—CONSTRUCTION ADMINISTRATION

A study of the terms, documents and operations inherent in building construction management. Topics include business ownership; company organization; project bidding/negotiating methods; and construction contracts, bonds, insurance and accounting. Prerequisites: 40 hours of BCC course work. Five single period lectures.

BCC 454—SENIOR PROJECT

An exercise in estimating and scheduling from construction documents of an actual building project utilizing major elements of the BCC program. Project includes developing a fictitious construction company organization; production of a project estimate and schedule; and preparing a construction bid and construction documentation. Prerequisite: consent of instructor. One single period lecture and four double period labs.

BCC 457—INTERNSHIP

This course is designed for students to receive practical work experience with an approved construction firm. A total of 400 contact hours with the construction firm is required. Prerequisite: Senior standing and consent of internship coordinator required.

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 varies from one to five quarter hours depending on magnitude of study. Prerequisites: permission of instructor six weeks prior to beginning of quarter in which study if 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. Prerequisites: Definition of the problem and permission of the instructor prior to the beginning of the quarter. Variable credit.

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—APPLIED INDUSTRIAL STATISTICS

A lab-based approach to introduce statistical concepts and their applications in various industrial processes. The study includes industrial data descriptions and analysis, probability distributions, statistical inference, hypotheses testing, design of industrial experiments, and statistical process control tools. A sequence of eight "hands-on" experiments in real manufacturing settings will be employed to assist students learning statistical methods. Discussion of industrial case studies will be provided. Five credit hours. Three single and two double periods. Prerequisite: Ten hours math.

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—MANUFACTURING ENTERPRISE ASSESSMENT

A senior level manufacturing management seminar treatment of actual problems related to manufacturing production systems, quality management, global monitoring and benchmarking and other manufacturing management areas.

Prerequisites: IM 351, senior standing, or permission of instructor.

IM 454—QUALITY ASSURANCE

A comprehensive approach to the improvement of quality, productivity, and competitive position for industry and business. The course focuses on the Deming philosophy and applications, provides tools to analyze and improve industrial processes, and includes quality improvement case studies. The objective is to provide students a sound understanding of the principles and basis of application to a wide variety of product and non-product environments. Four single lecture periods and one two-hour laboratory.

Prerequisite: IM 352.

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. Prerequisite: IM 351.

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 and IM 351.

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.

IM 556—SYSTEM SAFETY IN MANUFACTURING

This course provides an overview of the concepts involved in the application of systems safety to manufacturing and production systems. Emphasis is placed on the critical analysis of systems through modeling, analysis, and development of strategies to control the frequency and severity of industrial accidents.

IM 599—MANUFACTURING INTERNSHIP

The Manufacturing Internship provides practical application and experience in cooperating industry and business. This course is designed to permit attendance at an approved industry-sponsored work experience for the purpose of providing the student with advanced related occupational or technical training.

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. Two single and three double periods.

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 preventive maintenance, maintenance scheduling, mechanical systems maintenance and electrical electronic systems maintenance.

MFG 352—MATERIALS MACHINING TECHNOLOGY

An experience-centered course dealing with the operation of machine tools. Emphasis is placed on machining technologies used to process a variety of manufacturing materials. Both tradi-

tional and computer control machining processes are explored. Three single and two double laboratory periods. Prerequisite: TD130 and TD 220 or 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

This course assumes that the student has had no prior knowledge of electricity and electrical/electronic concepts in that it is an introductory course designed to acquaint the student with the basic concepts governing electrical energy. Basic electrical/electronic principals and concepts are covered including DC circuits, AC circuits, elementary electronics and Programmable Logic Controllers (PLCs). 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 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 trial 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—AUTOMATED MANUFACTURING SYSTEMS

A study of computer integrated manufacturing concentrating on advanced computer numerical control machining and the interface of robotics systems in manufacturing. Experiences utilizing a variety of programming techniques, machining methods, and robotics applications in computer integrated manufacturing are emphasized. Three single and two double laboratory periods. Prerequisite: 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.

MFG 499—INTERNSHIP

This course is designed for students to receive practical work experience with an approved manufacturing firm. Approval of internship is coordinator required. Prerequisites: MFG 150 and consent of program coordinator.

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 335—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 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 350—IMAGE PREPARATION I

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 356—DESKTOP PUBLISHING FOR TECHNOLOGY EDUCATION

PM 356 is designed to serve the needs of Technology Education Majors. Fundamentals of desktop publishing will be covered as well as technologies that have evolved from desktop publishing. In addition to basic desktop publishing, topics covered will include digital photography, video imaging, and basic related applications. Open to Technology Education Majors only. Prerequisite: Must be enrolled as a Technology Education Major.

PM 365—IMAGE PREPARATION II

Image Preparation is a study of layout and composition techniques used in the printing industry. The specific topics include hand and mechanical processes, photomechanical 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 SYSTEMS

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 439—BINDERY, FINISHING AND DISTRIBUTION PRACTICES

A course designed to orient the student of the various bindery, finishing and distribution practices common to the commercial printing industry. Plant visits to bindery, finishing, and distribution firms. Two lecture hours, two laboratory hours.

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: Imposition 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 compute 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, MKT 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.

MATHEMATICS AND COMPUTER SCIENCE

A. Sparks, Chair

Professors: J. Davenport, R. Hathaway,

A. Pierce, J. Soloman, A. Sparks, D. Stone, N. Wells (Emeritus)

Associate Professors: M. Abell, M. Aulick,

A. Barbour, C. Champ,

C. Christmas (Emeritus), S. Davidson

R. Harshbarger, Y. Hu, C. Kariotis,

E. Lavender, X. Li, B. McLean, J. Rafter,

L. Roberts, M. Smith (Emeritus), C. Xu

Assistant Professors: S. Boddiford, J. Braselton,

B. Carter, E. Hardy (Emerita),

W. Lynch (Emeritus), C. Nessmith, C. Sikes,

D. Stapleton, J. Vargo, P. Watkins,

R. Wells (Emerita)

Instructors: T. Abbott, R. Abraham, S. Barrs, R.

Bogan, L. Braselton, D. Brown, J. Cason, D.

Evans, E. Fischer, D. Gibson, C. Gonzalez, M.

Hoy, S. Lanier, J. O'Brien, D. Saye,

M. Sikes, L. Yocco

Temporary Instructors: D. Boykin, C. Brady, J.

Darley, E. Donovan, D. Heath, D. Hodges,

M. McKinnon, W. Meisel, A. Moore,

L. Olszewski

Part-time Instructors: K. Futch, W. Habegger,

D. Raith, R. Sparks, J. Strozzo

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 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 begin in CSC 281, with emphasis on algorithm development. Prerequisite: CSC 283 and a knowledge of the C programming language.

CSC 287—UNIX AND C PROGRAMMING

A study of the UNIX operating system and the C programming language. Prerequisite: Two quarters of Ada, Pascal, or Modula-2; or consent of instructor.

CSC 299—SELECTED TOPICS IN COMPUTER SCIENCE

CSC 351—THEORETICAL FOUNDATIONS OF COMPUTER SCIENCE

Language definition, grammars, parsing, finitestate 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 or corequisite: 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, CSC 351, 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 351, CSC 364 and a programming language in addition to either C or Pascal.

CSC 461—DATA COMMUNICATIONS AND NETWORKING

Fundamental concepts of data communications, with error detection and correction. Principles and methods of connecting computers into networks, including layered network architectures, and wide and local area networks. Prerequisites: CSC 385 and a knowledge of the C programming language.

CSC 464—OBJECT-ORIENTED PROGRAMMING

Objects, classes, inheritance, messages and methods; object-oriented design; multiple inheritance and polymorphism; visibility, dependency, extensibility. Examples from one or more object-oriented languages. Prerequisites: CSC 351 and CSC 364.

CSC/MAT 480—APPLIED NUMERICAL METHODS

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

and a knowledge of the C programming language.

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/STA 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. Prerequisite: CSC 285, 351, and 364.

CSC 495—DIRECTED STUDY IN COMPUTER SCIENCE

Directed study under faculty supervision. Prerequisite: Consent of Department Chair.

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 555—DATA MANAGEMENT IN MATHEMATICS AND THE SCIENCES

Topics in data management, including operating systems, word processing, spreadsheets, and database management and their application to mathematics and the sciences. This course is intended primarily for those majoring in Mathematics, Education or certain sciences. For those majoring or minoring in Computer Science, this course may not be used as an upper level Computer Science elective. Prerequisite: CSC 230 or permission of instructor.

CSC 560—COMPUTER GRAPHICS

Graphic fundamentals. Two-dimensional geometric transformations, elementary shading techniques, three-dimensional graphics, curves

and surfaces. Prerequisites: MAT 334, CSC 351, and CSC 364.

CSC 566—ARTIFICIAL INTELLIGENCE

Introduction to the LISP programming language, production rule systems, heuristic search, problem reductions, frames and semantic networks and expert systems. Prerequisite: CSC 351 and 364.

CSC 568—SOFTWARE ENGINEERING

Management and development of software; strategies and techniques of design; testing, documentation and maintenance. Prerequisites: CSC 364, 385, 487.

CSC 599—SELECTED TOPICS IN COMPUTER SCIENCE

MATHEMATICS

A student entering a 100-level mathematics course is expected to have a mathematics competency equivalent to two years of high school algebra. A student who has a weak mathematics background should consider volunteering for academic assistance mathematics course work before enrolling in a 100-level mathematics course. For information on this course see Learning Support.

MAT 131—COLLEGE ALGEBRA, PART 1

This is the first of a two part sequence of College Algebra. A review of the properties of real numbers, polynomials, factoring, rational expressions, exponents, equations and inequalities, linear relations and their graphs. Three lecture and two laboratory hours per week. The sequence Math 131, 132 is an alternative to Math 151. Credit may not be received for both Math 131 and Math 151. Prerequisite: Two years of high school algebra.

MAT 132—COLLEGE ALGEBRA, PART 2

This is the second of a two part sequence of College Algebra. A review of conic sections, operations with functions, exponential and logarithmic functions, and polynomial and rational functions. Three lecture and two laboratory hours per week. The sequence Math 131, 132 is an alternative to Math 151. Credit may not be received for both Math 132 and Math 151. Prerequisite: Minimum grade of C in Math 131 or passing score on proficiency test for Math 131.

MAT 150—INTRODUCTION TO MATHEMATICAL MODELING

A course incorporating mathematical modeling

and technology into data gathering and the analysis and solution of real data problems. Primary use is made of linear, quadratic, exponential, and logarithmic functions. This course is specifically designed for majors requiring only 5-10 hours of mathematics for a degree. It cannot serve as a prerequisite for MAT 152 or MAT 155. Credit cannot be received for both MAT 150 and MAT 151 in Area II of the Core Curriculum. However, both can count toward graduation. Prerequisite: two years of high school algebra.

MAT 151—COLLEGE ALGEBRA

A review of the properties of real numbers, exponents and radicals, algebraic and fractional expressions, solving equations and inequalities, functions and graphing and an introduction to systems of equations. Prerequisite: two years of high school algebra.

MAT 152—TRIGONOMETRY

Circular, trigonometry and inverse functions, matrices and systems of equations, complex numbers. Prerequisite: MAT 151 or equivalent.

MAT 155—BUSINESS CALCULUS AND APPLICATIONS

Systems of equations, matrices, probability and differential calculus. Prerequisite: MAT 151 or equivalent.

MAT 157—TECHNICAL CALCULUS

An introduction to the fundamental elements of calculus with applications to technology. Topics include a brief review of algebraic principles, and a study of functions, graphs, limits, derivatives and integrals. This course is designed primarily for Industrial Technology majors. Credit may not be received for both MAT 155 (Business Calculus) and MAT 157 (Technical Calculus). Prerequisite: MAT 152.

MAT 165—PRE-CALCULUS MATHEMATICS

Essentially the material covered in Math 151 and Math 152. A student cannot receive credit for Math 152 and Math 165. To enroll in this course, a student should have a strong high school background in mathematics which included trigonometry.

MAT 166—ANALYTIC GEOMETRY AND CALCULUS I

Analytic Geometry and Basic Differential Calculus. Four lecture and two computer laboratory hours per week. Prerequisites: MAT 151 and 152 or equivalent.

MAT 167—ANALYTIC GEOMETRY AND CALCULUS II

Integral calculus and conic analytic geometry including polar coordinates and parametric equations. Four lecture and two computer laboratory hours per week. Prerequisite: MAT 166.

MAT 220—APPLICATIONS OF LINEAR ALGEBRA

A study of applications of systems on equations and matrix operations. Prerequisite: MAT 151 or equivalent.

MAT 249—CALCULUS V

An applied approach to the study of systems of equations, matrices and low-dimensional linear algebra. For students in the Regents Engineering Transfer Program (RETP). Three lecture and two computer laboratory hours per week. Prerequisite: MAT 265.

MAT 251—DISCRETE MATH FOR COMPUTER SCIENCE

Set theory, set operations, formal logic, Boolean algebra, switching theory, algebraic structures, recursive sets, and finite-state machines. Prerequisites: MAT 167 and MAT 220. (A student cannot receive credit for both MAT 251 and 320.)

MAT 264—CALCULUS III

Vector analysis, infinite series and methods of integration. Four lecture and two computer laboratory hours per week. Prerequisite: MAT 167.

MAT 265—CALCULUS IV

Partial differentiation and multiple integration. Four lecture and two computer laboratory hours per week. Prerequisite: MAT 264.

MAT 299—SELECTED TOPICS IN MATHEMATICS

MAT 320—SETS AND SET OPERATIONS

Properties of Sets and Set Operations. Prerequisite: MAT 167.

MAT 330—INTRODUCTION TO ANALYSIS

Functions, limits and continuity. Prerequisites: MAT 265 and MAT 320.

MAT 332—INTRODUCTION TO MODERN ALGEBRA

Groups, subgroups, and homomorphisms. Prerequisites: MAT 264 and 320.

MAT 334—INTRODUCTION TO LINEAR ALGEBRA

Vector spaces, linear transformations, and eigenvalues. Prerequisites: MAT 220, MAT 264, and one of the following: MAT 251, MAT 320.

MAT 338—INTRODUCTION TO PROBABILITY

Probability measures and random variables. Prerequisites: MAT 264 and either MAT 320 or MAT 251.

MAT 350—DIFFERENTIAL EQUATIONS

Solution of first and higher order ordinary differential equations, applications, series solution of linear differential equations, and solutions of systems of linear differential equations. Four lecture and two computer laboratory hours per week. Prerequisites: MAT 249 or both MAT 220 and 264.

MAT 374—COLLEGE GEOMETRY

A study of Euclidean and Hyperbolic geometries using metric methods. Prerequisite: MAT 166.

MAT 399—SELECTED TOPICS IN MATHEMATICS

MAT 452—LINEAR PROGRAMMING

Introduction to linear programming using the theory of convex polygons and elementary matrix algebra. Applications to various problems are considered. Prerequisite: MAT 334 or permission of instructor.

MAT 454—MATHEMATICAL MODELS AND APPLICATIONS

A study of model construction and types of models. Primary consideration is given to the application of models in operations research. Prerequisites: MAT 264 and either CSC 230 or CSC 281.

MAT 456—OPERATIONS RESEARCH

Introduction to the analytical formulation and solution of decision problems. Mathematical methods of optimization of classical operations research models. Prerequisite: MAT 338.

MAT 458—INTRODUCTION TO FRACTALS

Fractals are nonlinear systems involving feedback and iteration. Topics include classical fractals, limits and self-similarity, fractal dimensions, encoding of fractals, decoding of fractals, iterated function systems (IFS's), chaos games and networking IFS's. Prerequisites: MAT 320 and MAT 334.

MAT 466—MODERN ALGEBRA

Topics in modern algebra; quotient groups,

rings, fields, and homomorphisms. Topics in linear algebra, scalar products, orthogonal bases, and eigen-values. Prerequisites: MAT 332 and MAT 334.

MAT 468—APPLIED MATHEMATICS (SEE PHYSICS 468)

Theory and applications of mathematical methods such as power series, Laplace Transforms, vector calculus, Fourier series, integrals and partial differential equations. Four lecture and two computer laboratory hours per week. Prerequisite: MAT 350.

MAT 475—FUNCTIONS OF A COMPLEX VARIABLE

Topics in complex variables including: limits, continuity, derivatives; the Cauchy-Riemann conditions, integrals of function of a complex variable, Cauchy-Goursat theorem. Cauchy integral formula theorem; theorem of Morea, Liouville. Prerequisite: MAT 330.

MAT 479—DISCRETE MATHEMATICS

A further study of the discrete mathematics underlying computer science. Topics include coding theory, finite-state machines, machine design and construction, computability and formal languages. Prerequisite: MAT 251.

MAT/CSC 480—APPLIED NUMERICAL METHODS

For course description see CSC 480.

MAT 485—ANALYSIS

Continuity, sequences and series, theory of differentiation and integration, sequences and series of functions. Prerequisite: MAT 330.

MAT 495—DIRECTED STUDY IN MATHEMATICS

Directed study under faculty supervision. Prerequisites: consent of department chair.

MAT 530—BASIC IDEAS OF ARITHMETIC

Arithmetic topics included in the elementary school curriculum: sets; the arithmetic of whole numbers, integers, rational numbers and decimals; number theory; problem solving. Prerequisite: MAT 151.

MAT 531—BASIC IDEAS OF GEOMETRY

Geometrical topics included in the elementary school curriculum: geometric shapes; non-metric geometry; measurement; triangle congruence and similarity; coordinate geometry; geometric transformations. Prerequisite: MAT 530.

MAT 551—BASIC IDEAS OF PROBLEM SOLVING

Problem-solving strategies applied to a variety of contexts in arithmetic, geometry and algebra. The use of these strategies by teachers of middle grades mathematics will be emphasized. Prerequisites: MAT 530 and 531, or permission of instructor.

MAT 553—PATTERNS OF PROBLEM SOLVING

A study of patterns involved in solving problems. Particular attention is paid to Polya's heuristics and his characterization of the problem-solving process; the student will also solve many problems. The application of these techniques by mathematics teachers will be stressed. Prerequisite: MAT 166 or consent of instructor.

MAT 554—ADVANCED GEOMETRY

Selected topics from Euclidean and Non-Euclidean Geometry. Prerequisite: MAT 364 or one year of teaching high school mathematics.

MAT 556—NUMBER THEORY

A formal development of the real number system, modular number systems, diophantine 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 of Topology. Prerequisite: five hours of mathematics above the 200 level or one year of teaching high school mathematics.

MAT 580—MATHEMATICAL APPLICATIONS USING TECHNOLOGY

Selected mathematical topics used in research, problem solving, and demonstrations will be investigated with the use of current technologies. Intended for mathematics education majors.

Prerequisite: MAT 265 and 5 hours of Mathematics at the 300 level or above.

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: STA 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, systemic, cluster, and multi-stage sampling. Emphasis on appropriate sample

type and estimation of parameters. Prerequisite: STA 476.

STA 495—DIRECTED STUDY IN STATISTICS

Directed study under faculty supervision. Prerequisite: Consent of Department Chair.

STA 599—SELECTED TOPICS IN STATISTICS

PHYSICS

Courses in physics and physical science are offered by the Department of Physics.

A. Woodrum, Chair

Professors: M. Payne, A. Woodrum, B. Zellner J. Zhang

Associate Professors: L. Deng, W. Grant, V. Hassapis (Emeritus),

C. Mobley (Emeritus), J. Rogers (Emeritus)
Assistant Professors: C. Dean, M. Edwards, X. Wang

Temporary Assistant Professor: T. Deal, L. Ma

PHYSICAL SCIENCE

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 learning support 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 161—PLANETARY ASTRONOMY

A study of the motions and physical properties of the planets, asteroids, and comets. Four lecture hours and two evening laboratory hours per week.

PHS 162—STELLAR AND GALACTIC ASTRONOMY

A study of the physical properties of stars and galaxies and of the origins of the universe. Four lecture hours and two evening laboratory hours per week. Prerequisite: PHS 161 or permission of instructor.

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

PHY 251-252-253—GENERAL COLLEGE PHYSICS

A three-quarter sequence which provides a working knowledge of the basic principles of physics. Four lectures and two laboratory hours per week. Prerequisite: MAT 152. PHY 251. Mechanics. PHY 252. Heat, Sound and Light. PHY 253. Electricity and Magnetism. PHY 251 is a prerequisite to PHY 252 and/or PHY 253.

PHY 255—A SURVEY OF ACOUSTICS

Physical characteristics of sound, problems of recording, amplifying, transmitting and reproducing sound. Four lectures and one two-hour laboratory per week. Not accepted as a part of the requirements for a major in physics.

PHY 261-262-263—GENERAL COLLEGE PHYSICS FOR SCIENCE, ENGINEERING AND MATHEMATICS STUDENTS

A three-quarter sequence designed for students of science, engineering and mathematics. Four lectures and two laboratory hours per week. If these courses are taken, credit will not be allowed for Physics 251, 252, 253. Prerequisite for PHY 261: MAT 167 (may be taken concurrently). PHY 261 is a prerequisite for PHY 262 and/or 263. PHY 261-Mechanics, PHY 262-Heat, Sound and Light, PHY 263-Electricity and Magnetism.

PHY 399—SELECTED TOPICS IN PHYSICS

PHY 451—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. Prerequisite: 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 464—LASERS AND THEIR APPLICATIONS

Introduction to the principles of lasers, laser techniques, laser systems and applications of lasers in physics, chemistry, biology, medical science, environmental protection, and other industrial application, such as optical communication. This course will provide students the opportunity to explore state-of-the-art techniques, current research projects in the fields and hands-on experience in lasers.

PHY 468—APPLIED MATHEMATICS (SEE MATHEMATICS 468)

Theory and application of mathematical methods such as power series, Laplace Transforms, vector calculus, Fourier series and integrals 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 557—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 559—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 166.

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

ENGINEERING STUDIES

Dr. Gerald A. Jones, Professor and Director

Dr. James E. Manring, Professor

Dr. Shahnam Navaee, Assistant Professor

Dr. Dennis Lambert, Assistant Professor

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 141—ENGINEERING GRAPHICS

Fundamental concepts of engineering graphical communications. Topics include projection theory, free-hand sketching, creative design, geometric dimensioning, tolerances, computer-aided design fundamentals, and an introduction to solid modelling. Three single lecture periods and one three-hour laboratory. (EGR 1170)

EGR 142—INTRODUCTION TO COMPUTING FOR ENGINEERS

An introduction to computing for engineers with a focus on the design and analysis of algorithms and data structures (not computer programming). Laboratory emphasis on computing resources and their application, including the use of operating systems and the application of standard computer software packages. (CS 1501)

EGR 143—DIGITAL COMPUTATION FOR ENGINEERS

Basic concepts of engineering design for digital computational systems. Function definition, switch and wire design, boolean functions, combinational logic, memory, state machines, sequential logic, and digital arithmetic. (CMPE 2500)

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 during fall quarter. One single lecture period per week.

EGR 235—INTRODUCTION TO FLIGHT An introduction to the basic concepts of both atmospheric and space flight. Topics include the history of flight, atmospheric models, aerodynamics, aircraft and space craft performance; aerospace structure; propulsion systems; stability and control (AE 2350). Text at the level of Anderson, Introduction to Flight.

EGR 251—ENGINEERING MECHANICS I: STATICS

Fundamental concepts of mechanics; statics of particles; moments and equivalent systems of forces on rigid bodies; equilibrium of rigid bodies; distributed forces - centroids and centers of gravity; analysis of trusses by the methods of joints and sections; analysis of frames and machines; distributed forces - moments of inertia; friction. Georgia Tech equivalent course: ESM 2201. Prerequisite: PHY 261. Corequisite: MAT 264.

EGR 252—ENGINEERING MECHANICS II: DYNAMICS

Kinematics of particles; kinetics of particles - Newton's Second Law Method; Kinetics of particles - Energy and Momentum Methods; dynamics of systems of particles; kinematics of rigid bodies; plane motion of rigid bodies - Newton's Second Law Method; plane motion of rigid bodies - energy and momentum methods. Text at the level of Beer and Johnston, Vector Mechanics for Engineers. (ESM 3201). Prerequisite: EGR 251.

EGR 341—ELEMENTS OF ELECTRICAL ENGINEERING I

An introduction to basic concepts of circuit elements, circuit models and techniques for circuit analysis. (EE 3200) Prerequisite: PHY 263.

EGR 342—ELEMENTS OF ELECTRICAL ENGINEERING II

Course topics include time-domain analysis, ac circuits, two-port and multipoint network. (EE 3250) Prerequisite: EGR 341.

EGR 350—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. First and Second Law Analysis of Thermodynamic Systems. (ME 3322) Text at the level of Hartley and Black, Thermodynamics. Prerequisites: PHY 262, MAT 264.

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 stabil-

ity. Text at the level of Popov, Introduction to the Mechanics of Solids. (ESM 3301) Prerequisites: EGR 251, MAT 265.

DEPARTMENT OF MILITARY SCIENCE

Professor of Military Science:

Lieutenant Colonel Steven E. Wells

Assistant Professors: Major Steve Knable,

Captain Joseph B. Ritch,

Captain William K. Highberger

Senior Instructor:

Master Sergeant Usher Appling

Instructors:

Sergeant First Class Steven L. Mulig,

Sergeant Robert Smith

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. Coordination for an appointment may be made through the Military Science Department if the student can not obtain one from their personal physician.

BASIC COURSE (MS I AND II)**MS 101—INTRODUCTION TO MOUNTAINEERING**

Instruction and practical exercises introducing the fundamentals of mountaineering (climbing, rappelling, belaying, and rope-bridging techniques). Emphasis is placed on knot-tying, 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, ROTC and its role, customs and traditions of the service, military writing, implementing a personal physical fitness program, leadership, role of the ARNG and USAR, and the role of the non-commissioned 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 104—INTRODUCTION TO MARKSMANSHIP

Instruction in basic marksmanship techniques including safety procedures, physiological considerations, and firing Army small arms weapons. One weekend field trip is required. Restricted to freshmen and sophomores who are eligible to pursue a commission in the U.S. Army. Not acceptable as a P.E. requirement. 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.

MS 250—BASIC MILITARY SKILLS PRACTICUM

A six-week training and leadership development program which will qualify students for entry into the ROTC program of study. Encampment and training is conducted at Ft. Knox, KY. Instruction and evaluation done by U.S. Army personnel assigned to the U.S. Army ROTC Cadet Command. Credit: 5 hours.

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 relate 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 350—ADVANCED MILITARY SKILLS PRACTICUM

The study and practical application of military skills and leadership ability during a six-week encampment experience. Instruction and evaluation are done by U.S. Army personnel assigned to the U.S. Army ROTC Cadet Command. Encampment and training is conducted at Ft. Bragg, NC. Credit: 5 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, writing an after-action report, oral communications, conducting briefings, preparing to conduct training, evaluating training, and the Leadership Assessment Program. Credit: 2 hours.

MS 425—LEADERSHIP AND MANAGEMENT

The course consists of the 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.

COLLEGE OF GRADUATE STUDIES

GRADUATE CATALOG 296
OFF-CAMPUS GRADUATE CENTERS 296
GRADUATE DEGREE PROGRAMS 296

COLLEGE OF GRADUATE STUDIES

Graduate programs at Georgia Southern University 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. The Graduate programs encourage scholarly inquiry through the appropriate application of valid research methods. All graduate programs are administered and coordinated by the College of Graduate Studies.

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 regulation. Copies of the Graduate Catalog and application information can be obtained from the College of Graduate Studies at:

The College of Graduate Studies
Landrum Box 8113
Georgia Southern University
Statesboro, Georgia 30460-8113
(912) 681-5384

OFF-CAMPUS GRADUATE CENTERS

Resident graduate credit is offered on an off-campus center at Brunswick. Students in Brunswick may pursue a Master of Education (M.Ed.) program in Early Childhood Education. Graduate courses are also offered in School Administration and Supervision, Special Education for Exceptional Children, Middle Grades Education, Public Administration, Business, and Nursing. Off-campus admission and degree requirements are identical to those of the on-campus sites.

GSU Graduate Office
Continuing Education Office
Brunswick College
Brunswick, Georgia 31523
(912) 264-7227

GRADUATE PROGRAMS	DEGREE
Adult and Vocational Education	M.Ed.
Art	M.F.A.
Art Education	M.Ed.
Biology	M.S.
Business	M.B.A./Executive M.B.A.
Business Education	M.Ed.
Counselor Education	M.Ed./Ed.S.
Curriculum Instruction	Ed.D.
Early Childhood Education	M.Ed./Ed.S.
Educational Administration	Ed.D.
English	M.A.
English Education	M.Ed./Ed.S.
Exercise Science	M.S.
French	M.Ed.
German	M.Ed.
Health and Physical Ed.	M.Ed./Ed.S.
Higher Education/Student Services	M.Ed.
History	M.A.
Home Economics	M.Ed.
Instructional Technology	M.Ed./Ed.S.
Mathematics	M.S.
Mathematics Education	M.Ed./Ed.S.
Middle Grades Education	M.Ed./Ed.S.
Music	M.Ed./Ed.S.
Nursing	M.S.N.
Political Science	M.A.
Psychology	M.S.
Public Administration	M.P.A.
Reading Specialist	M.Ed./Ed.S.
Recreation Administration	M.R.A.
School Admin. and Supervision	M.Ed./Ed.S.
School Psychology	M.Ed./Ed.S.
Science	M.Ed./Ed.S.
Secondary Subject Matter Supervision	M.Ed.
Social Science	M.Ed./Ed.S.
Sociology	M.A.
Spanish	M.Ed.
Special Education for Exceptional Children	M.Ed./Ed.S.
Sport Management	M.S.
Technology	M.T.
Technology Education	M.Ed./Ed.S.

ADMINISTRATION AND FACULTY

ADMINISTRATION 298
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ADMINISTRATION

THE UNIVERSITY SYSTEM OF GEORGIA

MEMBERS OF THE BOARD OF REGENTS

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JOHN H. ANDERSON, JR., Hawkinsville	State-at-Large	1997
J. TOM COLEMAN, Savannah	State-at-Large	2002
SUZANNE G. ELSON, Atlanta	State-at-Large	1999
DONALD M. LEEBERN, JR., Atlanta	State-at-Large	1998
CHARLES H. JONES, Macon	State-at-Large	2002
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WILLIAM B. TURNER, Columbus	Third District	2000
DWIGHT H. EVANS, Atlanta	Fourth District	2000
ELRIDGE W. MCMILLAN, Atlanta	Fifth District	1996
KENNETH W. CANNISTRA, Atlanta	Sixth District	2001
EDGAR L. RHODES, Bremen	Seventh District	1999
JOHN HOWARD CLARK, Moultrie	Eighth District	1996
EDGAR L. JENKINS, Jasper	Ninth District	2001
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JUANITA POWELL BARANCO, Decatur	Eleventh District	1998

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LYNN WARREN, Assistant Vice Chancellor-Contracts

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(vacant), Assistant Vice Chancellor-Facilities

(vacant), Assistant Vice Chancellor-Instruction Technology

(vacant), Assistant Vice Chancellor-Compliance

(vacant), Assistant Vice Chancellor-Development & Economic Services

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KENNETH WILLIAMS, B.S., Director of Computer

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FACULTY 1995-96

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).

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PREFIX DEPARTMENT

AAS	AFRICAN & AFRICAN AMERICAN STUDIES
ACC	ACCOUNTING
AD	APPAREL DESIGN
AED	ADULT EDUCATION
ANT	ANTHROPOLOGY
ARA	ARABIC
ART	ART
AS	AMERICAN STUDIES
BA	BUSINESS ADMINISTRATION
BCC	BUILDING CONSTRUCTION & CONTRACTING
BE	BUSINESS EDUCATION
BIO	BIOLOGY
CA	COMMUNICATION ARTS
CAB	COMMUNICATION ARTS IN BROADCASTING
CAF	COMMUNICATION ARTS IN FILM
CAJ	COMMUNICATION ARTS IN JOURNALISM
CAP	COMMUNICATION ARTS - PUBLIC RELATIONS
CAS	COMMUNICATION ARTS - PUBLIC SPEAKING
CAT	COMMUNICATION ARTS IN THEATRE
CED	COUNSELOR EDUCATION
CET	CIVIL ENGINEERING TECHNOLOGY
CHE	CHEMISTRY
CHI	CHINESE
CIS	COMPUTER INFORMATION SYSTEMS
CSC	COMPUTER SCIENCE
CUR	CURRICULUM
EC	EARLY CHILDHOOD ED
ECO	ECONOMICS
EDB	BUSINESS EDUCATION
EDL	EDUCATIONAL LAB EXPERIENCES
EDP	EDUCATIONAL PSYCHOLOGY
EDR	EDUCATIONAL RESEARCH
EDT	EDUCATIONAL TECHNOLOGY
EET	ELECTRONIC ENGINEERING TECHNOLOGY
EGR	ENGINEERING STUDIES
EMS	ELEMENTARY, MIDDLE GRADES, SECONDARY EDUCATION
ENG	ENGLISH
EP	ENRICHMENT PROGRAM
ES	ENGINEERING STUDIES
ESL	ENGLISH AS A SECOND LANGUAGE
EXC	EXCEPTIONAL CHILDREN
FCS	FAMILY & CONSUMER SCIENCE
FED	FOUNDATION OF EDUCATION
FIN	FINANCE
FL	FOREIGN LANGUAGES
FM	FASHION MERCHANDISING
FRE	FRENCH
GER	GERMAN
GGY	GEOGRAPHY
GLY	GEOLOGY

PREFIX DEPARTMENT

GSU	GEORGIA SOUTHERN UNIVERSITY
GT	GENERAL TECHNOLOGY
HEC	HOME ECONOMICS
HED	HIGHER EDUCATION
HIS	HISTORY
HON	HONORS
HTH	HEALTH
IDH	INTERIOR DESIGN AND HOUSING
IET	INDUSTRIAL ENGINEERING TECHNOLOGY
IM	INDUSTRIAL MANAGEMENT
IS	INTERNATIONAL STUDIES
JPN	JAPANESE
JS	JUSTICE STUDIES
KOR	KOREAN
LAT	LATIN
LIT	LOGISTICS & INTERMODAL TRANSPORT
LST	LEGAL STUDIES (LAW)
MAT	MATH
MET	MECHANICAL ENGINEERING TECHNOLOGY
MFG	MANUFACTURING
MG	MIDDLE GRADES EDUCATION
MGT	MANAGEMENT
MKT	MARKETING
MS	MILITARY SCIENCE
MUE	MUSIC ENSEMBLES
MUS	MUSIC
NFS	NUTRITION AND FOOD SERVICES
NUR	NURSING
PA	PUBLIC ADMINISTRATION
PE	PHYSICAL EDUCATION
PEA	PHYSICAL EDUCATION ACTIVITY
PHI	PHILOSOPHY
PHS	PHYSICAL SCIENCE
PHY	PHYSICS
PM	PRINT MANAGEMENT
PSC	POLITICAL SCIENCE
PSY	PSYCHOLOGY
RDG	READING
REC	RECREATION
RHI	RESTAURANT, HOTEL & INSTITUTIONAL ADMINISTRATION
RS	RELIGIOUS STUDIES
RUS	RUSSIAN
SED	SECONDARY EDUCATION
SM	SPORTS MANAGEMENT
SOC	SOCIOLOGY
SPA	SPANISH
STA	STATISTICS
TD	TECHNICAL DRAFTING AND DESIGN
TED	TECHNOLOGY EDUCATION
TIE	TRADE AND INDUSTRY EDUCATION
VED	VOCATIONAL EDUCATION
WGS	WOMENS' AND GENDER STUDIES
YOR	YORUBA