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**Georgia Southern University**

**General Catalog 1995-1996**

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# GENERAL CATALOG



**GEORGIA SOUTHERN UNIVERSITY**

Statesboro, Georgia

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

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## UNIVERSITY CALENDAR--1995-96

### FALL QUARTER, 1995

June 15	Deadline for Fall Quarter International Graduate Student Application
August 1	Deadline for Fall Quarter Undergraduate Application
August 1	Deadline for Fall Quarter Graduate Application
September 4	Holiday--Labor Day Observed
September 6	Early Registration Fee Payment Deadline for Fall Quarter 1995
September 11	Academic year begins
September 11	Deans, Directors, and Department Chairs Meeting, 9:00 a.m.
September 11	Admissions Committee Meeting, 2:00 p.m.
September 14	New Faculty Orientation and Workshop 9:00 a.m.- 2:00 p.m.
September 15	Faculty Meetings by Colleges: 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 15	General Faculty Meeting, 2:00 p.m.
September 15	Undergraduate Evening Studies Final Registration, 5:00-6:00 p.m.
September 17	Residence Hall check-in between 8:30 a.m. and 5:00 p.m.
September 17	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 18,19,20	Residence Hall check-in between 10:00 a.m. and 5:00 p.m.
September 18	New Student Registration, Williams Center, 9:00 a.m.
September 18	Graduate Registration in Savannah, 2:00 - 7:00 p.m. (pre-registration by mail)
September 18	Admissions Committee Meeting, 2:00 p.m.
September 19	Final Registration for former students, Williams Center, 10:30 a.m.-6:00 p.m.
September 19	Brunswick graduate registration, 4:00-6:00 p.m. (pre-registration by mail)
September 19	Fort Gordon graduate registration, 4:00-6:00 p.m. (pre-registration by mail)
September 20	Drop/Add 8:00 a.m. - 4:00 p.m.
September 20	\$50 Late Registration Fee Begins
September 21, 22, 25	Schedule Adjustment, Fall Quarter 1995
September 21	Classes begin
September 21	Final date for filing Application for Graduation in Registrar's Office for completing degree requirements for Fall 1995
September 22	Admissions Committee Meeting, 9:00 a.m.
September 29	Deadline for M.Ed. and M.S.T. students to register to take the comprehensive examination during fall quarter
October 1	Deadline for Winter Quarter International Graduate Student Application
October 21	Parents' Week-end
October 27	Deadline for filing former student application to be eligible for early registration for Winter Quarter 1996
October 28	Comprehensive Examination for M.Ed. and M.S.T. students
October 30	Last day to withdraw without academic penalty from regular day classes
October 31	Admissions Committee Meeting, 2:00 p.m.
November 4	Homecoming
November 7	Early Registration for Undergraduate Evening Studies classes, Winter Quarter 1996, 5:00 - 6:00 p.m.

November 7-10/ November 13-16 November 13	Early Registration for Winter Quarter 1996, Williams Center For Graduate Candidates, One Copy of Completed Thesis Due in the Office of the Vice President for Graduate Studies (By Appointment)
November 15 November 17 November 20	Deadline for Winter Quarter 1996 Graduate Application Schedule Adjustment, Winter Quarter 1996 For Graduate Candidates, Final Date for Holding Comprehensive Examinations
November 21 November 22-24 November 22-24	Residence Halls close at 6:00 p.m. Thanksgiving holidays Administrative offices will be closed
November 26 December 1 December 4 December 4 December 5	Residence Halls open at 1:00 p.m. Deadline for Winter Quarter Undergraduate Application Last day of classes Final Exam for Monday evening classes Final Exam for Tuesday evening classes and Tuesday/Thursday evening classes
December 5-8	Examinations for regular classes (see exam schedule in Fall Quarter Schedule of Classes)
December 6 December 6 December 7 December 9 December 9 December 10 December 11 December 15 December 20-26	Final Exam for Monday/Wednesday evening classes Final Exam for Wednesday evening classes Final Exam for Thursday evening classes Holidays for students begin Residence Halls close at 10:00 a.m., except for graduating students Graduation 3:00 p.m. Early Registration Fee Payment Deadline for Winter Quarter 1996 Deadline for Spring Quarter International Student Graduate Application Administrative offices will be closed

### **WINTER QUARTER, 1996**

January 1 January 1 January 2 January 2	Administrative Offices will be closed. Residence Halls check in 4:00 p.m. Admissions Committee Meeting, 2:00 p.m. New Student Orientation and Advisement, Russell Union. Check-in begins at 7:30 a.m. and Program begins at 8:30 a.m.
January 2 January 2	New Student Registration, Williams Center, 11:00 a.m. Final Registration for former students, Williams Center, 1:00 p.m. - 7:00 p.m.
January 2	Graduate Registration in Savannah, 2:00 - 7:00 p.m. (pre-registration by mail)
January 3 January 3 January 3 January 3 January 3 January 3 January 4 January 4	Drop/Add 8:00 a.m.-4:00 p.m. \$50 Late Registration Fee Begins Admissions Committee Meeting, 9:00 a.m. Brunswick registration, 4:00-6:00 p.m. (pre-registration by mail) Fort Gordon graduate registration, 4:00-6:00 p.m. (pre-registration by mail) Classes begin Final date for filing Application for Graduation in Registrar's Office for completing degree requirements Winter Quarter 1996
January 4, 5, 8 January 5 January 12	Schedule Adjustment, Winter Quarter 1996 Admissions Committee Meeting, 9:00 a.m. Deadline for M.Ed. and M.S.T. students to register to take the comprehensive examination during Winter Quarter



January 15	Holiday--Martin Luther King's Birthday Observed
January 31	Application for Student Teaching 1997-98
February 9	Deadline for filing former student application to be eligible for early registration Spring Quarter 1996
February 10	Comprehensive Examination for M.Ed. and M.S.T. students
February 12	Last day to withdraw without academic penalty from regular day classes
February 13	Admissions Committee Meeting, 2:00 p.m.
February 15	Deadline for Spring Quarter Graduate Application
February 20	For Graduate Candidates, one copy of completed thesis due in the Office of the Vice President for Graduate Studies and Research (by appointment)
February 20	Early Registration for Undergraduate Evening Studies classes Spring Quarter 1996, 5:00-6:00 p.m.
February 20-23/	
February 26-29	Early Registration for Spring Quarter 1996, Williams Center
February 27	For Graduate Candidates, final date for holding comprehensive examinations
March 1	Deadline for Spring Quarter Undergraduate Application
March 1	Schedule Adjustment, Spring Quarter 1996
March 12	Last day of classes
March 12	Final Exam for Tuesday evening classes
March 13	Final Exam for Wednesday evening classes
March 13-16	Examinations for regular day classes (see exam schedule in Winter Schedule of Classes)
March 13	Early Registration Fee Payment Deadline for Spring Quarter 1996
March 14	Final Exam for Thursday evening classes and Tuesday/Thursday evening classes
March 14	Brunswick and Fort Gordon Registration for Spring Quarter 1996, 4:00 p.m. - 6:00 p.m.
March 15	Final Exam for Monday evening classes and Monday/Wednesday evening classes at 6:00 p.m.
March 15	Deadline for Summer Quarter International Graduate Student Application
March 17	Spring recess for students begins
March 17	Residence Halls close at 10:00 a.m.

### **SPRING QUARTER 1996**

March 14	Brunswick Registration, 4:00-6:00 p.m. (pre-registration by mail)
March 14	Fort Gordon Registration, 4:00-6:00 p.m. (pre-registration by mail)
March 15	Deadline for Summer Quarter International Graduate Student Application
March 24	Residence Halls open at 1:00 p.m.
March 24	Admissions Committee Meeting, 2:00 p.m.
March 25	New Student Orientation and Advisement, Russell Union. Check-in begins at 7:30 a.m. and Program begins at 8:30 a.m.
March 25	New Student Registration, Williams Center, 11:00 a.m.
March 25	Final Registration for former students, Williams Center, 1:00 p.m. - 7:00 p.m.
March 25	Graduate Registration in Savannah, 2:00 - 7:00 p.m. (pre-registration by mail)
March 26	Drop/Add 8:00 a.m. - 4:00 p.m.
March 26	\$50 Late Registration Fee Begins
March 26	Admissions Committee meeting, 9:00 a.m.
March 27	Classes begin
March 27	Final date for filing Application for Graduation in Registrar's Office for degree, June graduation

March 27, 28, 29	Schedule Adjustment, Spring Quarter 1996
March 28	Admissions Committee Meeting, 9:00 a.m.
March 29	Deadline for M.Ed. and M.S.T. students to register to take the comprehensive examination during spring quarter
April 15	Early Registration for Undergraduate Evening Studies classes for Summer Quarter 1996, 5:00-6:00 p.m.
April 15-19	Early Registration for Summer Quarter 1996, Williams Center
April 22-24	Schedule Adjustment, Summer Quarter 1996
April 25	Deadline for filing former student application to be eligible for early registration Summer Quarter 1996
April 26	Deadline for filing former student application to be eligible for early registration Summer Quarter 1996
May 1	Honors Day (8:00 and 9:00 classes will be canceled)
May 1	Deadline for Summer Quarter Graduate Application
May 1	Early Registration for Undergraduate Evening Studies classes for Fall Quarter 1996, 5:00-6:00 p.m.
May 6-10, 13-17, & 20-24	Early Registration for Fall Quarter 1996, Williams Center
May 2	Last day to withdraw without academic penalty from regular day classes
May 3	Deadline for filing former student application to be eligible for early registration Fall Quarter 1996
May 4	Comprehensive Examination for M.Ed. and M.S.T. students
May 7	Admissions Committee Meeting, 2:00 p.m.
May 10	For Graduate Candidates, One Copy of Completed Thesis Due in the Office of the Vice President for Graduate Studies (By Appointment)
May 17	For Graduate Candidates, June Commencement, final date for holding terminal examinations
May 27	Schedule Adjustment, Fall Quarter 1996
May 31	Last day of classes
June 3	Deadline for Summer Quarter Undergraduate Application
June 3	Final Exam for Monday evening classes
June 3-6	Examinations for regular day classes (see exam schedule in Spring Quarter Schedule of Classes)
June 4	Final Exam for Tuesday evening classes
June 5	Final Exam for Wednesday evening classes and Monday/Wednesday evening classes
June 5	Early Registration Fee Payment Deadline for Summer Quarter 1996
June 6	Final Exam for Thursday evening classes and Tuesday/Thursday evening classes
June 6	Brunswick and Fort Gordon Registration for Summer Quarter 1996, 4:00-6:00 p.m.
June 7	Residence Halls close at 10:00 a.m. except for graduating students
June 8,9	Graduations

**SUMMER QUARTER, 1996**

June 6	Brunswick Registration (pre-registration by mail)
June 6	Fort Gordon Registration (pre-registration by mail)
June 14	Deadline for M.Ed. and M.S.T. students to register to take the comprehensive examination during summer quarter
June 15	Deadline for Fall Quarter International Graduate Student Application
June 15	Admissions Committee Meeting, 10:00 a.m.
June 16	Residence Halls open at 1:00 p.m.
June 17	New Student Orientation and Advisement, Russell Union. Check-in begins at 7:30 a.m. and Program begins at 8:30 a.m.
June 17	New Student Registration, Williams Center, 11:00 a.m.
June 17	Final Registration for former students for 31 and 36 Day Sessions, Williams Center, 1:00-5:00 p.m. (Advisement 11:00 a.m.-5:00 p.m.)
June 17	Graduate Registration in Savannah, 2:00 - 7:00 p.m. (pre-registration by mail)
June 18	Classes begin - 31 and 36 Day Session
June 18	Drop/Add for 31 and 36 Day Session 8:00 a.m.-4:00 p.m.
June 18	\$50 Late Registration Fee Begins
June 18	Admissions Committee Meeting, 10:00 a.m.
June 19	Final date for filing application in Registrar's Office for degree, August graduation
June 19	Admissions Committee Meeting, 9:00 a.m.
July 4	Holiday--Independence Day observed
July 10	Last day to withdraw without academic penalty from regular day courses for 31 Day Session
July 13	Comprehensive Examination for M.Ed. and M.S.T. students
July 15	Last Day to withdraw without academic penalty from regular day courses for 36 Day Session
July 16	Admissions Committee Meeting, 2:00 p.m.
July 17	For Graduate Candidates, August Commencement, One Copy of Completed Thesis Due in the Office of the Vice President for Graduate Studies (By Appointment)
July 24	For Graduate Candidates, August Commencement, final date for holding terminal examinations
July 31	Last day of regular classes for 31 Day Session
August 1	Deadline for Fall Quarter Undergraduate Application
August 1	Deadline for Fall Quarter Graduate Application
August 1-3	Examinations for regular day classes <b>31 Day Session</b> (see exam schedule in Summer Quarter Schedule of Classes)
August 1	Final Exam for Tuesday/Thursday afternoon classes
August 2	Final Exam for Tuesday/Thursday evening classes
August 7	Last day of regular classes for 36 Day Session
August 8-10	Examinations for regular day classes <b>36 Day Session</b> (see exam schedule in Summer Quarter Schedule of Classes)
August 11	Graduation, 3:00 p.m.
August 11	Residence Halls close at 10:00 a.m., except for graduating students

## INSTITUTIONAL TESTING SCHEDULE 1995-96

*(Dates are subject to change)*

### CPE

Saturday	December 2, 1995
Saturday	February 3, 1996
Saturday	March 2, 1996
Saturday	April 6, 1996
Saturday	May 11, 1996
Saturday	June 15, 1996
Saturday	August 17, 1996

### ISAT

Tuesday	August 22, 1995
Tuesday	October 17, 1995
Tuesday	February 27, 1996
Tuesday	May 7, 1996

### REGENTS

Monday/Tuesday	October 23 & 24, 1995
Monday/Tuesday	February 12 & 13, 1996
Monday/Tuesday	May 6 & 7, 1996
Tuesday	July 23, 1996

### MAT

Saturday	August 5, 1995
Saturday	October 7, 1995
Saturday	December 9, 1995
Saturday	January 20, 1996
Saturday	March 9, 1996
Saturday	April 27, 1996
Saturday	June 1, 1996

### LEGISLATIVE

Tuesday	November 7, 1995
Tuesday	January 30, 1996
Tuesday	April 30, 1996
Tuesday	July 9, 1996

## NATIONAL TESTING SCHEDULE 1995-96

*(Dates are subject to change)*

### TOEFL

Friday	June 7, 1996
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### GMAT

Saturday	October 21, 1995
Saturday	January 20, 1996
Saturday	March 16, 1996
Saturday	June 15, 1996

### SAT

Saturday	October 14, 1995
Saturday	December 2, 1995
Saturday	January 27, 1996
Saturday	March 23, 1996
Saturday	May 4, 1996
Saturday	June 1, 1996

### GRE

Saturday	October 14, 1995
Saturday	December 9, 1995
Saturday	April 13, 1996

### ACT

Saturday	December 9, 1995
Saturday	February 3, 1996

### LSAT

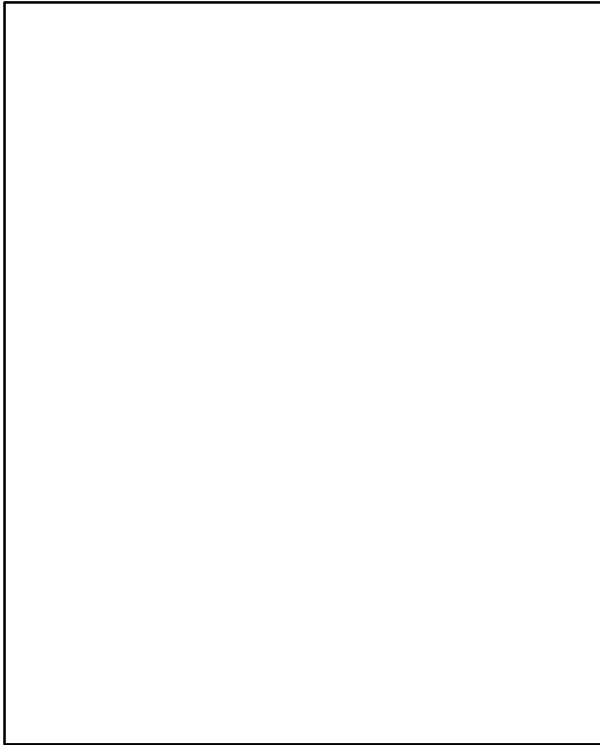
Saturday	September 30, 1995
Saturday	December 2, 1995

### CLEP

Wednesday	November 8, 1995
Wednesday	January 10, 1996
Wednesday	February 21, 1996
Friday	May 10, 1996
Friday	July 12, 1996

### PHARMACY

Saturday	October, 1995
Saturday	February, 1996



## **GENERAL INFORMATION**

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## THE UNIVERSITY SYSTEM OF GEORGIA

The University System of Georgia includes all state-operated institutions of higher education in Georgia - 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 Vice Chancellor, and all presidents as voting members; and it includes other officials and staff members of the institutions as nonvoting members. The Advisory Council's 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.

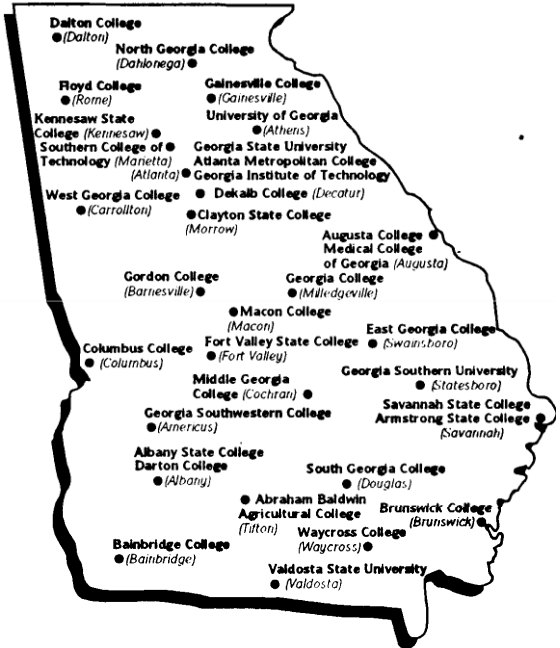
**INSTITUTIONS OF THE UNIVERSITY SYSTEM**

**\*Universities - Graduate**

~Senior Colleges - Limited Graduate Studies  
#Two-year Colleges

- # 1. ABRAHAM BALDWIN AGRIC. COLLEGE  
Tifton 31794
- 2. ALBANY STATE COLLEGE  
Albany 31705
- 3. ARMSTRONG STATE COLLEGE  
Savannah 31419
- #4. ATLANTA METROPOLITAN COLLEGE  
Atlanta 30310
- 5. AUGUSTA COLLEGE  
Augusta 30910
- #6. BAINBRIDGE COLLEGE  
Bainbridge 31717
- # 7. BRUNSWICK COLLEGE  
Brunswick 31523
- 8. CLAYTON STATE COLLEGE  
Morrow 30260
- 9. COLUMBUS COLLEGE  
Columbus 31993
- # 10. DALTON COLLEGE  
Dalton 30720
- # 11. DARTON COLLEGE  
Albany 31707
- # 12. DEKALB COLLEGE  
Decatur 30034
- # 13. EAST GEORGIA COLLEGE  
Swainsboro 30401
- # 14. FLOYD COLLEGE  
Rome 30161
- 15. FORT VALLEY STATE COLLEGE  
Fort Valley 31030
- # 16. GAINESVILLE COLLEGE  
Gainesville 30503
- 17. GEORGIA COLLEGE  
Milledgeville 31061
- \* 18. GEORGIA INSTITUTE OF TECHNOLOGY  
Atlanta 30332
- \* 19. GEORGIA SOUTHERN UNIVERSITY  
Statesboro 30460
- 20. GEORGIA SOUTHWESTERN COLLEGE  
Americus 31709
- \* 21. GEORGIA STATE UNIVERSITY  
Atlanta 30303
- # 22. GORDON COLLEGE  
Barnesville 30204
- 23. KENNESAW STATE COLLEGE  
Marietta 30061
- # 24. MACON COLLEGE  
Macon 31297
- \* 25. MEDICAL COLLEGE OF GEORGIA  
Augusta 30912

- # 26. MIDDLE GEORGIA COLLEGE  
Cochran 31014
- 27. NORTH GEORGIA COLLEGE  
Dahlonega 30597
- 28. SAVANNAH STATE COLLEGE  
Savannah 31404
- # 29. SOUTH GEORGIA COLLEGE  
Douglas 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



## **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-

sion; 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

### 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

<b>Counseling Center</b> .....	International Association of Counseling Services
<b>College of Liberal Arts and Social Sciences</b>	
Music .....	National Association of Schools of Music
Public Administration .....	National Association of Schools of Public Affairs and Administration
<b>College of Business Administration</b>	
Undergraduate and Graduate .....	American Assembly of Collegiate Schools of Business
<b>College of Education</b>	
Undergraduate and Graduate .....	National Council for Accreditation of Teacher Education Georgia State Department of Education
<b>College of Health and Professional Studies</b>	
Nursing .....	National League for Nursing Georgia Board of Nursing
Foods and Nutrition .....	American Dietetic Association
Recreation and Leisure Services .....	Leisure Careers Foundation of the Georgia Recreation and Park Society
Recreation - Undergraduate Programs .....	National Recreation and Park Association/ American Association for Leisure & Recreation

Sport Science - 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. David Addington, chair
- Department of English and Philosophy**  
Dr. James Nichols, chair
- Department of Foreign Languages**  
Dr. David Seaman, chair
- Department of History**  
Dr. Walter Fraser, chair
- Department of Music**  
Dr. Raymond Marchionni, chair
- Department of Political Science**  
Dr. G. Lane Van Tassell, 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. Lynda Hamilton, acting chair
- Department of Finance and Economics**  
Dr. William Whitaker, chair
- Department of Management**  
Dr. Linda Bleicken, acting chair
- Department of Marketing**  
Dr. Donald Thompson, 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. Michael Allen, acting chair
- Department of Student Development Programs**  
Dr. James Bergin, 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. David Foulk, chair

**Department of Nursing**

Dr. Kaye Herth, chair

**Department of Recreation and Leisure Services**

Dr. Henry Eisenhart, chair

**Department of Sport Science and Physical Education**

Dr. Charles Hardy, chair

**Rural Health and Research**

Dr. Charlene Hanson, director

**V. Allen E. Paulson College of Science and Technology**

Dr. Leo Parrish, acting dean

**Department of Biology**

Dr. John Averett, chair

**Department of Chemistry**

Dr. Bill Ponder, chair

**Department of Engineering Technology**

Dr. Roland Hanson, 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**

Vacant, 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

Geology

German

History

Music

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 required*

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

## **COLLEGE OF EDUCATION**

### **Associate of Applied Science in Education**

**Bachelor of Science in Education** with majors in:

Art  
 Early Childhood Education  
 Health and Physical Education  
 Middle Grades Education  
 Teaching Fields:  
   Business Education  
   English  
   French  
   German  
   Home Economics  
   Technology Education  
   Mathematics  
   Science  
   Social Science  
   Spanish  
   Speech  
 Special Education for Exceptional Children  
 Trade and Industrial Education

## **COLLEGE OF HEALTH AND PROFESSIONAL STUDIES**

**Bachelor of Science in Health Science** with majors in:

Athletic Training  
 Health and Fitness 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 Management  
 \*\*Recreation Administration  
 \*\*Therapeutic Recreation  
 \*\*Travel and Tourism Management

## **ALLEN E. PAULSON COLLEGE OF SCIENCE AND TECHNOLOGY**

### **Bachelor of Science in Construction**

Building Construction and Contracting

### **Bachelor of Science in Manufacturing**

Apparel Manufacturing  
 Industrial Management

### **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**

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\* *Emphasis required*

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\*\* *Emphasis is available but is not required*

## MINORS

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

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

Within the twenty hours of course work presented for the required minor in the B.A. programs or the optional minor in any bachelor's degree program, the student must have a minimum adjusted grade point average of "C," with no more than five hours of "D" work. A minimum of fifteen of the twenty hours must be earned at Georgia Southern. Internship hours may not be applied to the minor.

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

### ANTHROPOLOGY

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

### ART

Prerequisites: 151 (Drawing), or 152 (Design), or 252 (Three-Dimensional Design), or permission of the department 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.

### **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.

**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 upper-division offerings.

**POLITICAL SCIENCE**

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

**PRINTING MANAGEMENT**

Prerequisite: PM 250 - Graphic Arts Technology I. Minor program requirements: PM 336 - Desktop Publishing, PM 365 - Image Preparation, PM 399 - Selected Topics in Printing, PM 453 - Color Reproduction or PM 456 - Imaging Science, PM 332 - Printing Inks and Substrates, and PM 434 - Quality Control.

**PSYCHOLOGY**

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

**SOCIOLOGY**

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

**SPANISH**

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

**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, he/she must secure the approval of the committee. Approval also is required for the group of courses selected to comprise the minor. Chairpersons of the committees are:

African and African American Studies,

Dr. Alfred Young, History

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—Rhetoric of Social Movements

ENG/AAS 363—African American Literature

ENG/AAS 399—African American Women's

Literature

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**

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

## **COMPARATIVE LITERATURE**

Comparative Literature 385, Comparative Literature 485, an upper-division literature course in a foreign language, and one course selected from the list below or approved by the committee (foreign language majors may opt to take an additional course from the following list in

place of the foreign language course and majors in other fields may opt to take two foreign language courses):

CLT/ENG 461—Drama to Ibsen

CLT/ENG 476—Literary Criticism

CLT/ENG 480—Commonwealth Literature

CLT/ENG 557—Modern Drama

CLT/ENG 559—The Bible as Literature

CLT/ENG 570—Contemporary World Fiction

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

## **LATIN AMERICAN STUDIES**

Latin American Studies 450 and three courses in two disciplines other than the major, selected from the following and approved by the committee:

GGY/LAS 460—Geography of Latin America

HIS/LAS 371—Latin America - The Colonial Period

HIS/LAS 373—Mexico and the Caribbean

HIS/LAS 374—A.B.C. Powers

PSC/LAS 378—Latin American Politics

SPA/LAS 355—Latin American Civilization

SPA/LAS 455—Latin American Literature

## **LINGUISTICS**

Twenty hours selected from the following and approved by the committee:

ENG 452—History of the English Language

ENG 453—Advanced Composition

CAS 443—Semantics

CAS 551—Descriptive Linguistics

FL/ANT 350—Introduction to Language

FL 351—Latin and Green Vocabulary in English

## **RELIGIOUS STUDIES**

Religious Studies 450 and three courses in two disciplines other than the major, selected from the following and approved by the committee:

ENG/RS 559—The Bible as Literature

HIS/RS 451—The Age of the Reformation

HIS/RS 381—Introduction to the History of Religion in the U.S.

HIS/RS 467—Major Themes in Western Religious History

HIS/RS 384—Heresy and Dissent in Western Religious History  
 PHI/RS 352—Great Moral Philosophers  
 PHI/RS 370—World Religions  
 PHI/RS 553—Philosophy of Religion  
 SOC/RS 455—Sociology of Religion  
 PSY/RS 357—Psychology of Religion

### **WOMEN'S AND GENDER STUDIES**

Women's and Gender Studies 350 and three courses selected from the following and approved by the Women's and Gender Studies Committee:

CA/WGS 441—Women and Media  
 CAS/WGS 349—Communication and Gender  
 ENG/WGS 564—Literature by Women  
 HIS/WGS 351—Women in American History  
 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.

### **DIVISION OF CONTINUING EDUCATION AND PUBLIC SERVICES**

Created in 1968, the Division of Continuing Education and Public Services provides the avenue for the University to meet its service mission. In 1971, the Board of Regents of the University System of Georgia adopted the following statement:

*Continuing Education and Public Service have emerged as an extension of the traditional on campus process, available to adults wherever sufficient interest has been found. Individuals in all walks of life must keep themselves abreast of new knowledge and understand how it can be applied effectively in solving the many problems which they and their communities are encountering. Any system designed to achieve these objectives will be build around an aggressive Continuing Education Program.*

Additionally, the Board of Regents reinforced the role of continuing education with the following policy statement (*Board of Regents Policy Manual*):

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

The University's mission statement states, in part:

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

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

To enhance marketing efforts, the Division's Conference Center was named the Southern Center for Continuing Education. To avoid confusion in the market place, the name Southern Center for Continuing Education is used to refer to all the programming efforts of the Division. The Southern Center's mission is:

*to meet the lifelong learning needs of the region. The Center provides a variety of programs designed to improve skills and other professions, to enhance societal and cultural understanding, to facilitate healthy life-styles and proper use of leisure time, and to address the personal development enrichment needs of the region.*

The Southern Center is the University's bridge to the community. Through the Southern Center's programs, activities, and services, the public is exposed to the service function of the University, thereby providing the avenue for the University to extend its resources to numerous groups within the region. The programs and activities of the Southern Center take many

forms: short courses, seminars, lectures, conferences, contract in-house training and development programs, technical assistance, and consulting and advisory services. A comprehensive series of programs and services is available on campus and off campus. These activities are designed to meet a vast array of needs and interests including:

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

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

### **CONFERENCE CENTER**

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

### **PUBLIC SERVICE INSTITUTE**

In April 1972, the Board of Regents approved the establishment of a Public Service Institute to function in the Division of Continuing Educa-

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

### **INTENSIVE ENGLISH PROGRAM**

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

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

### **CONTINUING EDUCATION UNITS**

The Continuing Education Unit (C.E.U.) is a national measure of participation in continuing professional education and training and development programs. Successful completion of designated noncredit courses is recognized by

awarding continuing education units to participants. One C.E.U. represents ten contact hours of participation in an organized program where there is evidence of qualified instruction, capable direction, and responsible sponsorship. Permanent records of earned C.E.U.'s are maintained by the University's Registrar in accordance with the requirements of the Southern Association of Colleges and Schools and the University System of Georgia.

## SERVICES

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

Persons or agencies interested in any of these activities should contact:

Dr. Gene Waters, Director  
 Southern Center for Continuing Education  
 Georgia Southern University  
 LB 8124  
 Statesboro, GA 30460-8124  
 (912) 681-5118  
 FAX Number: (912) 681-0306  
 E-Mail: gwaters@gsaix2.cc.GaSoU.EDU

## 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 1994, the Henderson Library's collections contain 463,102 volumes; 759,072 microform units; and 553,230 government documents. The Library also maintains subscriptions to 3,531 serial and periodical titles. In addition to the extensive collections in paper and microformat, the Library has a large set of information materials in electronic format, including full-text copies of articles from thousands of academic periodicals and newspapers. These electronic resources are available from a networked group of 50 microcomputers.

The Library has installed an automated information system which links the catalog, periodical indexes, and circulation functions in 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 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.

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.

### **LEARNING RESOURCES CENTER**

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

The Academic Computing Center is heavily used campus-wide. Equipment in the center consists of 100 networked IBM 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.

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

The Learning Resources Center maintains the same operating schedule as the Henderson Library. The facility is open 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 Center operates 24 hours a day from noon on Sunday through midnight on Friday, and from 8:00 a.m. to 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, resources, community and alumni development, publications and photography. The division works through the media, the Georgia Southern University Foundation, Inc., alumni chapters and other means to keep the public informed about the activities, growth, and development of Georgia Southern University.

The Public Relations Office showcases the activities and achievements of the university and its students, faculty and staff through an organized news service to print and broadcast media and through university periodicals.

Using a variety of projects and campaigns, the Development Office solicits interest and investments in Georgia Southern through the Georgia Southern University Foundation, Inc. These activities provide a base of supplemental funding from the private sector to advance the university's plans and potential. The Alumni Development Office coordinates the activities of the Alumni Association which provides leadership, service, and information about the university to its 45,000 alumni. The Alumni office sponsors receptions and socials throughout the southeast to maintain ties with Georgia Southern alumni while building their support for the university.

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

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

## **INTERCOLLEGIATE ATHLETICS**

Over the last decade, Georgia Southern University has become one of the dominant athletic programs in the United States. Across-the-board success has resulted in the Eagles winning four national football championships and NCAA Tournament participation in men's and women's basketball, baseball and golf. Adding to its reputation for athletic excellence, GSU joined the prestigious Southern Conference in 1992. Since then, GSU has claimed five league titles and made three NCAA playoff appearances.

Widely respected as one of the top programs in the nation, GSU football claimed the 1993 Southern Conference championship in its first year of competition. During his first campaign in 1990, coach Tim Stowers led GSU to a fourth I-AA national football title as the Eagles defeated Nevada 36-13 in Statesboro. Stowers became the first I-AA coach to win a national championship in his first season. The 1990 championship duplicated the 1989 title, giving the Eagles consecutive trophies for the second time. The 1986 Eagles, coached by Erk Russell, defeated Arkansas State in the championship game to become the first I-AA team to win back-to-back national football titles. GSU defeated Furman in 1985 to capture its first national championship. Since football was revived in 1982, the Eagles stand 125-41-1 and have advanced to the NCAA Division I-AA playoffs seven times.

The men's basketball team made its Southern Conference debut in 1992-93. The Eagles finished 19-9 during the regular season and advanced to the semifinals of the conference tournament. In 1991-92, GSU claimed its third Trans America Athletic Conference title in its final year of league membership and returned to the NCAA Tournament for the first time since 1987. The Eagles have appeared in either the NCAA or National Invitational Tournament five times since 1983, including consecutive post-season appearances from 1987-89.

Under legendary coach Jack Stallings, the GSU baseball program continues to thrive. The Eagles captured the 1993 Southern Conference regular-season crown and earned an at-large bid to the NCAA Tournament in 1990. As the No. 5 seed at the Midwest Regional, GSU won four of five games and advanced to the College World Series in Omaha, Neb. Southern went 50-19 on the season, posting the highest win total in school history. Stallings is the third-winningest active coach in college baseball history with 1,092 victories.

In 1994, the women's basketball program under coach Drema Greer compiled its sixth 20-plus win season in the past nine years. The Lady Eagles claimed a second straight Southern Conference tournament title after winning the regular-season championship. In addition, the Lady Eagles made their second trip to the NCAA Tournament. Greer was named Division I coach-of-the-year by the Georgia Sports Hall of Fame and Atlanta Journal-Constitution.

GSU has enjoyed a winning legacy in many of its Olympic sports, including men's soccer, which captured the Trans America Athletic Conference Eastern Division championship in 1990. Women's swimming has put together the best winning percentage of any athletic program on campus over the last seven seasons, going 55-15 and winning each of the past six Southern States Championship meets. Women's volleyball enjoyed its finest campaign ever in 1993, compiling a 28-13 record and advancing to the semifinals of the Southern Conference Tournament. The 1994 Lady Eagles were 23-11 under first-year coach Dee Nichols.

Eagle golf has also enjoyed success in recent years. PGA stars Jodie Mudd, Gene Sauers and Mike Donald helped establish the program. GSU hosted the NCAA East Regional in 1990, plus the 1995 Southern Conference Men's Golf Championships at Statesboro's Forest Heights Country Club.

GSU men's tennis, under the direction of 21st-year coach Joe Blankenbaker, won the 1994 Southern Conference title on the second day of competition.

GSU also competes for Southern Conference championships in women's tennis, men's and women's cross-country and softball, while

men's swimming and women's soccer compete as independents.

Georgia Southern's athletic facilities are among the finest in the nation. Included are two gymnasiums, 15 tennis courts, three softball fields, an 18,000 seat football stadium, 2,000-seat baseball complex and eight-lane natatorium. Hanner Fieldhouse houses the coaches' offices as well as the swimming pool, training room and a 5,500-seat basketball arena, which has been improved over the last five years with new lights, scoreboards and a hardwood maple floor.

### **POSTAL SERVICES**

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

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

### **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 Driver 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.

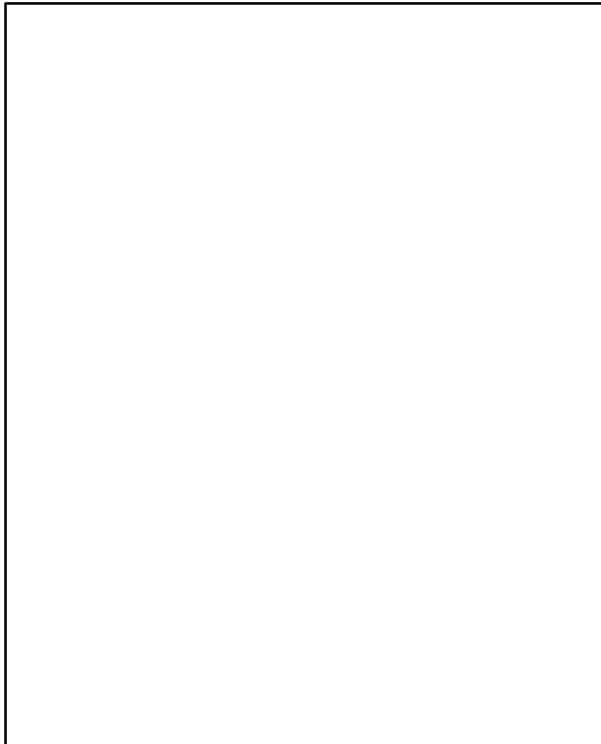
Any student interested in having an evaluation **must** contact the Disabilities Service Provider or Coordinator on their own campus for information concerning the availability of this service. The Disabilities Service Provider or Coordinator will also make available the criteria for identifying specific learning disabilities or ADHD or for accepting outside evaluations (assessment completed by an agent other than one of the three centers).

## **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), 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.





## **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 school section.

Applications for admission may be secured from the office of your high school or junior college counselors or by writing directly to the Office of Admissions, 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

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

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

The certification must be on a form provided by Georgia Southern and signed by a physician or an official of a County Health Department. This certification form is mailed to all new students admitted to Georgia Southern.

If you have questions call Health Services at (912) 681-5641.

## BEGINNING FRESHMEN

\*An applicant will be eligible for admission only upon compliance with the following requirements and conditions:

1. Graduation from an approved secondary school or possession of a Department of Education certificate awarded on the basis of the General Education Development (GED) Tests.\*\*
2. Satisfactory completion of college preparatory subjects in high school which should include the following units:
  - 4 English
  - 3 Social Studies
  - 3 Mathematics (courses should include Algebra I, Algebra II, Geometry or Trigonometry).
  - 2 Foreign Language (must be the same language)
  - 3 Science

#### 4 Additional Academic Courses

16 Total 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 where they have not completed the required number of units. These are outlined below.

### English

Students graduating with fewer than the four required units of English will be required to take the Collegiate Placement Exam (CPE) in English and reading. Based upon the student's score, the student would (1) exempt 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 requirements: These additional required courses represent course-work beyond the requirements for the program in which the student is enrolled, that is, the student receives credit for the courses, but the credit does not count toward a degree.

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

Entering freshmen must enroll in courses to satisfy these deficiencies as soon as Georgia Southern becomes aware of the deficiencies.

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

## Science

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

## Social Science

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

## Foreign Language

Students graduating with fewer than two units of the same foreign language will be required to complete 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 251 - Intro to Psychology
- SOC 150 - Intro to Sociology

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

- BIO 151 - General Biology I
- CHE 171 - Intro to General Chemistry
- CHE 181 - General Chemistry I
- GLY 151 - General Physical Geology
- PHY 251 - General College Physics  
(Requires Trigonometry)

**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 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 grade point average.

## POST-SECONDARY OPTION 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 900;
- 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 450 verbal SAT score or equivalent ACT score;
- G. Meet all other regular admissions requirements.

Under the Post-Secondary Option 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 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, appreciation, 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.
- 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).

## 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.

Mailing address:

Department of Financial Aid  
L.B. 8065

Georgia Southern University  
Statesboro, Georgia 30460-8065

Six forms of financial aid are available:

- 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.
- Employment**—Three employment programs are available to students:
  - The Federal Work-Study Program (FWS)** provides jobs to students who qualify for financial aid. Students normally work two hours per day for various wages.
  - The Job Location and Development Program (JLD)** provides information about part-time job opportunities available in the Statesboro area. All currently enrolled students may participate in the program as there are no financial eligibility requirements.
  - The Institutional Work Program** helps students locate part-time employment with the various departments on campus. There are no eligibility requirements.
- 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.
- Grants**—Numerous federal, state and privately funded grant programs are available to students enrolled at Georgia Southern University.
- 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.
- 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:

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

2. Complete and submit the Georgia Southern Application for Student Financial Aid by April 15 of the year you plan to enroll.
3. Complete and submit a Free Application for Federal Student Aid by April 15th of the year you plan to enroll. You must list Georgia Southern University as one of the schools you plan to attend in Section H questions 80-91.
4. A number of programs require separate applications. Please note these and request those applications for the program in which you feel you can establish eligibility.
5. Enrolled students should re-apply for aid by April 15th of each year.
6. If you have previously attended another post-secondary school, you must submit a Financial Aid Transcript from each school attended even if you did not receive Financial Aid from that institution.
7. 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 three 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.

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

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

## FELLOWSHIP PROGRAMS

**Patricia Roberts Harris Fellowship**—Established in 1989, this program offers fellowships to minority and female students pursuing the master'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 \$2,300 a year (but many vary pending Federal enactment). Follow the instructions on the need analysis form to apply for the Federal Pell Grant. Apply for the Pell Grant as early as January, but no later than May 1. Students must also complete the Georgia Southern application for financial aid.

### 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-technical schools, and hospital schools within the state. Applicants must meet all eligibility requirements listed below:

- You must not have a four-year or a five-year college degree.
- You must not owe a refund on a previous Federal Student Grant nor be in default on any Federal Student Loan.
- You must show substantial financial need.
- You must be maintaining satisfactory progress in the course of study you are pursuing according to the standards and practices of the school you are attending.

- You must be enrolled in good standing or accepted for admission at Georgia Southern University.
- You must be a legal resident of Georgia for a minimum of 12 consecutive months immediately preceding the date of registration for the school term for which a state educational grant is being sought.
- You must be a U.S. citizen or classified as a permanent resident alien.
- You must not be receiving a scholarship or grant from any state agency outside Georgia during the school year.
- You must be enrolled as a full-time undergraduate student each school term.

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

To apply:

- Complete the FAFSA Application.
- Students must also complete the Georgia Southern University Application for financial aid.
- Applications are evaluated on a first-completed, first-served basis as long as funds remain available.

### **FEDERAL SUPPLEMENTAL EDUCATION OPPORTUNITY GRANT (FSEOG)**

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

To be eligible:

- You must show substantial financial need by using the FAFSA form.
- You must be eligible for Federal Pell Grant.
- You must be enrolled in an undergraduate course of study 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 federal loan program for undergraduate and graduate students administered by the Department of Financial Aid at Georgia Southern University.

Student eligibility is based upon a predetermined awarding formula using available funds.

- You must be enrolled in a participating school.
- You must show financial need.

#### **Maximum Loan Amounts**

You may be awarded up to:

\$4,000 If you are enrolled in a vocational program or if you have completed less than two years of a program leading to a bachelor's degree.

\$15,000 If you are an undergraduate who has already completed two years of study toward a bachelor's degree. This \$15,000 total includes any amount borrowed under the Perkins Loan (NDSL) program for the first two years of study.

\$30,000 If you are enrolled in a graduate degree program. This \$30,000 total includes any amount borrowed under the Perkins Loan (NDSL) program for undergraduate study.

#### **Repayment Obligation**

Repayment begins 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 Georgia Southern's application for financial aid.
- 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, 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- 5317.
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 has been selected to participate in the Federal Direct Lending Program for the 1995-96 academic year. 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 a 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 education 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/State Sponsored**

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.

### **Maximum Amounts for Cash Loans**

Maximum loan limits are the same as in the Stafford Loan program described above.

### **Repayment Obligation**

The repayment obligation for the SDSL is the same as for the Stafford Loan program with the following exception. A student who has received one or more service-cancelable loans may choose to cancel his loan obligation by practicing in an approved Georgia location 12 months for each academic year of assistance.

## 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.

**Bess and Bob Winburn Loan Fund**—Established in 1965 in memory of Mr. R. L. Winburn (who served as comptroller of Georgia Southern from 1931 to 1951) and his wife, Bess. Application is available to junior or senior-level Speech or Journalism majors and will not exceed \$200 per year. Contact: Communication Arts Department, L.B. 8091, (912) 681-5138.



## HOPE GRANTS

**HOPE GRANT**—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 a 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.

## SATISFACTORY ACADEMIC PROGRESS REQUIREMENTS FOR FINANCIAL AID

### Requirement and Definition

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

### Programs Affected

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

### Special Information

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

### Effective date

1. Students who entered Georgia Southern University prior to Fall Quarter 1987 must meet the Satisfactory Academic progress for financial aid as published in the 1986-87 academic bulletin (catalog).
2. Students entering Georgia Southern University fall quarter 1987 and after must meet the satisfactory academic progress noted below.

### TERMINATION OF AID

- I. Academic Suspension or Exclusion (quarterly requirement): Any student who is placed on academic suspension or exclusion at the end of any quarter will have his/her aid terminated. Any student academically dismissed from the Learning Support program will have their aid terminated.
  - II. Hours Earned (checked at the completion of each spring quarter): Students must earn the following minimum number of hours each academic year (fall through spring quarters) depending upon their enrollment status.
    - (a) Full-time students—36 hrs. per academic year (12 hrs. per qtr).
    - (b) 3/4 time students—27 hrs. per academic year (9 hrs. per qtr).
    - (c) 1/2 time students—18 hrs. per academic year (6 hrs. per qtr).
- A. 1. Students whose enrollment status varies during the year should follow the quarterly requirements listed above. For example, a student who enrolls full-time the first two quarters but only part-time the third quarter would be required to complete 33 hours (12 + 12 + 9 = 33). Student must inform the Financial Aid Office of a change in enrollment status.
  2. Student records will be checked each year for compliance at the end of each spring quarter and summer quarter. Students who are not meeting the above requirements will be considered ineligible for further aid until the appropriate hours are earned.
  3. Grades of A, B, C, D, S, and IP will be considered as credits earned. F, I, W, WF, V, FX, and U will not be considered as credits earned.
- B. 1. Undergraduate students, in a 4-year program, who have attempted 235 or

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

2. Undergraduate students in a two-year program who have attempted 135 or more quarter hours will have their aid terminated.
  3. Cumulative hours will be checked for compliance at the end of each spring quarter and summer quarter.
- III. Grade Point Average (checked at the completion of each spring quarter and summer quarter):
1. Graduate students who have less than a 3.0 grade point average will not receive financial aid.
  2. If an undergraduate student's grade point average drops below a 2.0 he/she will be placed on financial aid warning to run concurrently with the academic warning placed by the college.
  3. If an undergraduate student is placed on academic probation, the student will also be on financial aid probation. A student on financial aid probation must earn a minimum quarterly GPA of 2.0 and raise the adjusted cumulative grade point average within three consecutive quarters. Probation is cleared after the adjusted cumulative grade point average reaches 2.0.

### **TIME LIMIT**

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

### **REINSTATEMENT OF AID (PENDING AID BEING AVAILABLE)**

1. A student terminated from aid because of failure to earn the number of hours required by his/her enrollment status may request the reinstatement of aid when he/she attains the minimum number of earned hours. These hours may be earned in the summer or be earned in addition to normal load during the regular year. Students are not eligible during these quarters.
2. Returning students who have been academically suspended or excluded may request their aid to be reinstated when they have completed one quarter with at least 5 quarter hours earned with a 2.0 quarterly grade point average.
3. Graduate students may request aid at any time their cumulative GPA reaches 3.0.

### **WITHDRAWAL FROM COURSES**

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

### **TRANSFER STUDENTS**

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

### **WITHDRAWAL FROM SCHOOL**

A financial aid recipient who withdraws from school during the refund period of any quarter

will not be required to meet the hourly minimum; however, any student withdrawing from school after the refund period will be required to meet the earned hourly minimum. Students may appeal such circumstances as illness, death in the immediate family, etc.

## APPEALS

1. A student will indicate in writing to the Financial Aid Office. (a) the reasons why he/she did not achieve the minimum academic requirements and (b) the reasons why his/her aid should not be terminated. The following types of information may be considered. Unusual circumstances such as an extended illness, death in the immediate family, etc.
2. The Financial Aid Department staff will review the appeal and determine whether the financial aid cancellation is justified. The student will be advised in writing of the decision.
3. A student wishing to appeal the decision of the Financial Aid Department may do so, in writing, to the Dean of Students.

## CO-OP PROGRAM

Georgia Southern University offers its students the opportunity to gain work experience related to their academic majors, begin the career decision-making process and earn money for educational expenses. This is accomplished through the Cooperative Education program that is provided on an optional basis in most majors and minors in the 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.

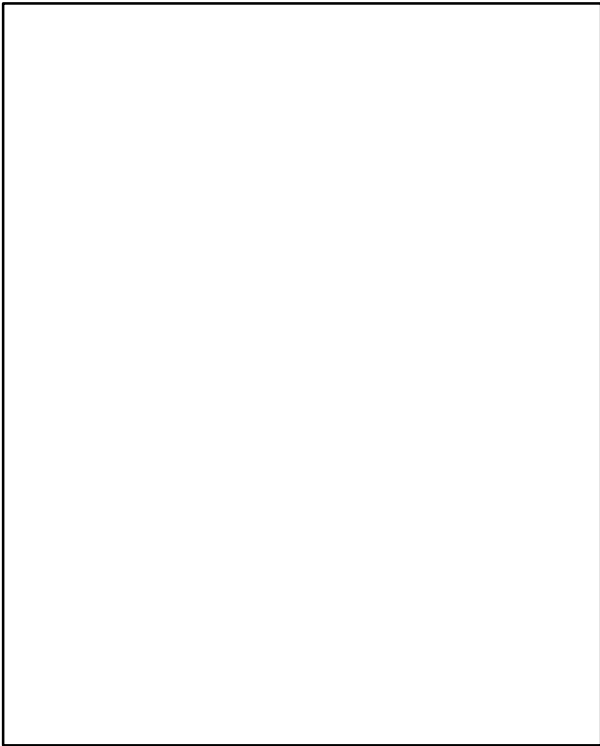
Veterans who have service-connected disabilities and are eligible for disability compensation may qualify for Vocational Rehabilitation. Disabled veterans who think they qualify for this assistance are encouraged to contact the Veterans Administration for further information. A Vocational Rehabilitation 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.



## **STUDENT LIFE**

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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 CENTER

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

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

### 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 at-

tracts 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 Technology, Business, Arts and 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 Advise-ment 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 3,200 students living on campus in 12 residence halls and two apartment complexes. Residence hall living provides social interaction and programming that heighten a student's sense of belonging, self esteem and self actualization. Services, activities and other learning experiences include rules, regulations, roommate contracting, floor gatherings, meetings, hall government and leadership training. These experiences provide students with an opportunity to grow, achieve, find autonomy and practice decision making. The Residence Life Office provides quality programming based on the Wellness Concept. Programs are centered around the following dimensions: social, physical, occupational, spiritual, intellectual and emotional.

Coordinating these experiences and programs are highly trained staff members. Staff members enhance the living community by planning the above-mentioned activities and programs for students, assisting students in every way possible to ensure that they are happy, safe and making a smooth transition to college life. Four professional staff members (area directors—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 Office of Campus Recreation and Intramurals exists to provide access to quality recreational facilities, programs and opportunities to the students, faculty and staff of Georgia Southern University. "Participate, Don't Spectate" is the motto of the Campus Recreation and Intramural Program where Fun is Number 1. The structured program offers traditional team sports such as flag football, basketball, and softball. Campus Recreation and Intramurals has developed an assortment of special events which are designed as enjoyable non-skill related activities. These activities are "A Ton of Fun" and students are urged to register early.

**Informal Recreation** provides for self-directed or an individualized approach to participation. This program area accommodates the desire to participate in sports for fitness and fun, often with no predetermined goals except that of the participant.

Indoor facilities include the Hanner Building, which houses the CR/I Program Office, three gymnasiums, two weight rooms, and the Marvin Pittman Gymnasium. In addition the Fitness and Weight Extensions have joined the ranks of indoor facilities and offer a wide variety of aerobics classes and cardio and free weight exercise opportunities.

Outdoor opportunities are highlighted by the new multipurpose lighted fields area off of Old Register Road. Opportunities include the Sports Complex lighted fields and Oxford field. Eight



lighted tennis courts and four non-lighted courts are located behind the Hanner Building, and three additional lighted courts are adjacent to Hendricks Residence Hall. There are six outdoor lighted racquetball courts, four beach volleyball courts, two outdoor basketball courts, and various other facilities available for recreational activities.

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

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

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

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

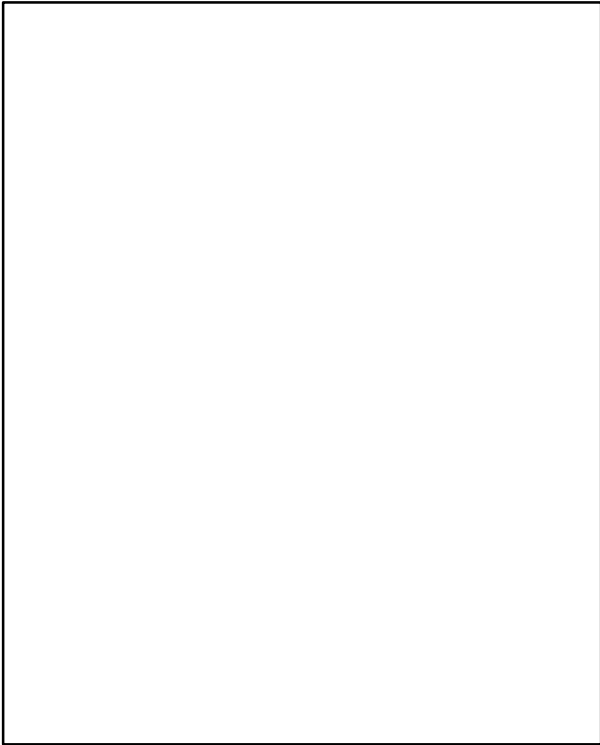
## STUDENT ORGANIZATIONS

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 rec-

ognized 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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HOUSING FACILITIES ..... 58

**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 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 \$15, whichever is greater, will be charged. Checks returned unpaid for registration fees before classes begin or during the first three weeks of school will result in a registration cancellation on the next scheduled cancellation date.

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.

**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

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

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

A student who discontinues study on any private instruction in music during the second week of a quarter will not be entitled to a refund of music fees. Refunds will be made only at the end of the quarter. No refunds are paid for hours dropped after the schedule adjustment period. Outstanding financial obligations to Georgia Southern may be deducted from refund checks.

**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 60% 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	60%
Refund	\$361.50

Step II

Refund Formula:

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

Example:  

$$\$361.50 \text{ X } \frac{\$602.50}{\$602.50} = \$361.50$$

Solution:

\$361.50 refund must be paid to the lender for the Stafford Loan.

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

Students attending Georgia Southern Univer-

sity 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, or Books Plus.

Entering freshmen who live in residence halls must purchase one of the contract plans. Once this requirement has been satisfied, an EAGLEXPRESS account may then be opened. All other students may purchase any of the 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 Ser-

vices units including all campus restaurants, retail outlets, laundries, snack bars, and print shops, and can even be used at Parking, Health Services, and to pay some 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) ..... \$828
  - Sm. 1-BR (2 occupants) ..... \$684
  - Lg.1-BR (2 occupants) ..... \$756
  - Townhouse (4 occupants) ..... \$652

Sanford:

- 2- BD (4 occupants) ..... \$600

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 check-out 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 roommate requests, no guarantee can be made concerning these requests.

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

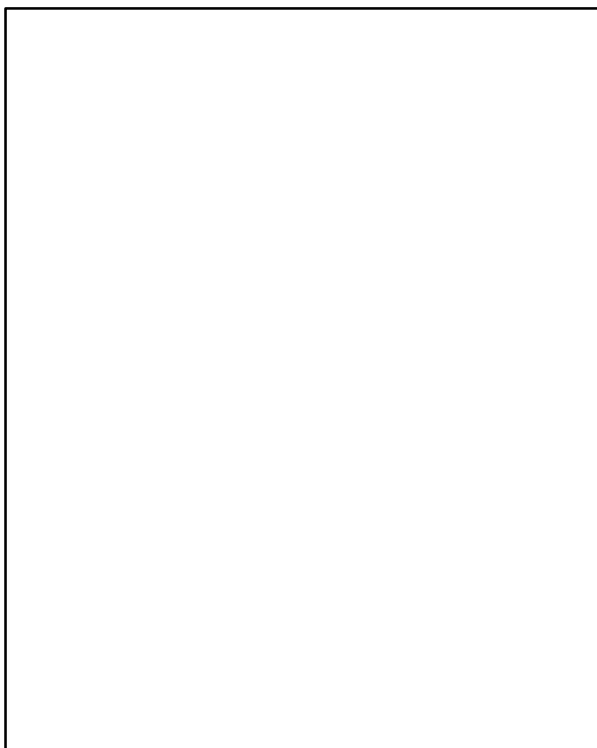
**Date of Occupancy**

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



## **ACADEMIC INFORMATION**

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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 131 & 132—College Algebra Part I  
& Part II

\*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*

*\*\*Credit cannot be received for MAT 151 and either MAT 131 or 132*

Ten hour laboratory sequence from the following: ..... 10 Hours

BIO 151 & 152—General Biology I & II

BIO 161 & 162—General Biology I & II

*(Open only to Biology Majors)*

CHE 171 & 172—General Chemistry I and II

CHE 181 & 182—Gen. Inorganic Chemistry  
I, II

GLY 151 & 152—Gen. Physical and Historical  
Geology

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 from  
the above or one of the following: .... 5 Hours

BIO 165—People and the Environment

CHE 160—Chemistry and the Environment

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

GLY 165—Principles of Environmental  
Geology

PHS 152—General Astronomy (Physics Dept.)

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

PHS 151—Principles of the Physical Universe,  
with Lab (Physics Dept.)

[appropriate for satisfying the College  
Preparatory Curriculum]

### 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 the student 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 a week for a quarter. A course meeting five periods a week when completed satisfactorily will thus give credit for five quarter hours. Two laboratory or activity periods are the equivalent of one recitation class period.

## **CLASSIFICATION**

Students are classified at the beginning of each quarter on the following basis:

Freshmen	0 - 44 hrs. earned
Sophomores	45 - 89 hrs. earned
Juniors	90 - 134 hrs. earned
Seniors	135 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 full description of these courses see the Graduate College Bulletin.

### 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:

Symbols	Explanation	Grade Points
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
W	Withdraw	0.0
WF	Withdraw Failing	0.0
V	Audit	0.0
S	Satisfactory	0.0
U	Unsatisfactory	0.0

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

An incomplete grade (“I”) indicates that the student was doing satisfactory work but was unable to meet the full requirements of the course due to non-academic reasons. The instructor assigning an “I” grade must document on the grade roll the reason for assigning the grade. An “I” must be removed during the first

quarter following the quarter in which it was recorded, or a time extension must be requested prior to the end of that quarter. It is the student’s responsibility to request a time extension from the instructor. Upon the written recommendation of the instructor, an extension with a maximum time of four quarters may be permitted. 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, give 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 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 also may 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 commit-

tee 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.

## 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 whose adjusted cumulative grade point average equals 2.0 or higher will be considered in good academic standing at the University. A student whose adjusted cumulative grade point average falls below 2.0 will be subject to the policies listed below.

### PROBATION

Probation serves as a notice that academic dismissal from the university will follow unless the quality of academic work improves and the terms of probation are satisfied. A student will

be placed on probation at the end of any quarter in which the adjusted cumulative grade point average drops below 2.0. Probation status is noted on the student's permanent record.

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

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

### 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 quarter grade point average of 2.0 or better while on probation or failure to remove probation status after 3 successive quarters of enrollment.

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

### **LEARNING SUPPORT DISMISSAL**

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

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 grade point average of 2.0. Alternately, students may appeal to the Admissions Committee to reenter Georgia Southern, but only after being out of school for three calendar years.

### **READMISSION**

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

### **RIGHT OF APPEAL**

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

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

### **REQUIREMENTS AFTER READMISSION**

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

### **REPEATING COURSES**

A student may repeat any course and the most recent grade becomes the official grade for the course even if the most recent grade is lower. In computing the adjusted cumulative GPA, only the most recent grade will be used (the earlier grade will remain on the transcript and in the official cumulative GPA). The adjusted cumulative 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.

### **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. May take it after completing English 151 and 152.
2. Must take it after having earned 45 hours of degree credit unless English 151 and 152 have not been completed.
3. Must take it after having earned the 60th hour of degree credit regardless of whether English 151 and 152 have been completed.
4. Must take the test or any portion not passed after the 60th hour each quarter in attendance until both components of the test have been passed.
5. Students who are taking the test for the first time or who fail to pass both sections of the test are required to take both sections at one testing.

### **Who Shall Take the Test**

1. All regularly enrolled undergraduate students of Georgia Southern University.

2. Students whose native language is not English will take the test but will be tested separately 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 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.

### **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 student have their program of study check 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.

Student must earn at least 30 percent of 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 Arts and Sciences 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.

Student 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 advi-

sor 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 ABCDF 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 per cent 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:

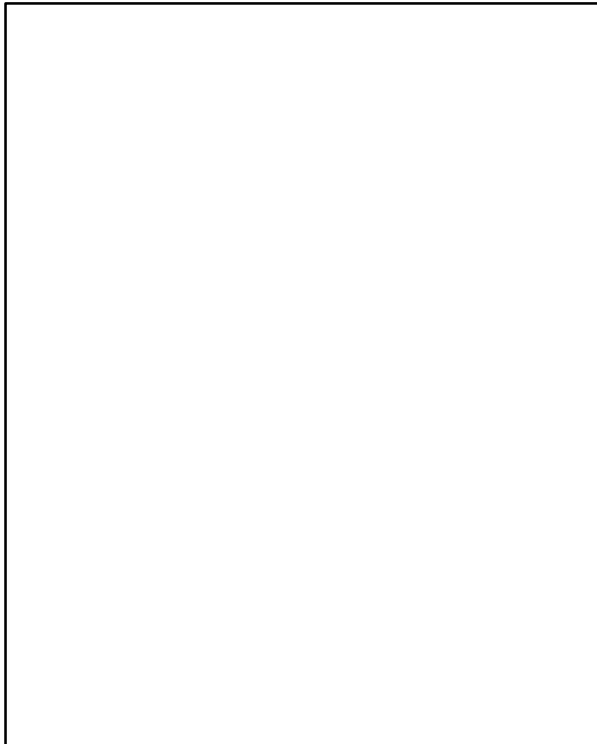
1. A cumulative grade point average of 2.8 or above.
2. Campus and/or community leadership.
3. Campus and/or community service.
4. Junior or senior.

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

approved by the American Studies Committee.

**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—Graphic Arts Tech. II
- PM 365—Image Preparation
- 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

**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

## **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 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.

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

**The European Experience**, College of Business Administration

**French Language and Culture**, Aurillac, France, Department of Foreign Languages (for high school seniors)

**GSU at Oxford Program**, Departments of History, Early Childhood Education & Reading, and Middle Grades & Secondary Education.

**GSU in Costa Rica**, Department of Foreign Languages

**GSU in Segovia, Spain**, Department of Foreign Languages

The Regents' Global Center (RGC) Student Programs Office of the University System of Georgia coordinates many opportunities for students to study abroad while earning academic credit toward completion of degree requirements at their home campus. Summer study abroad programs were offered in Europe, Canada, Mexico, and the Pacific region.

RGC programs are open to all undergraduate students with a minimum cumulative GPA of 2.5; however, certain programs may require a higher GPA and completion of prerequisites. Graduate students are required to have a 3.0 GPA. Students in the University System of Georgia who are eligible for financial aid may use that aid toward RGC programs.

Information on Georgia Southern study abroad programs, on programs coordinated by RGC, and on numerous programs offered world-wide 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 RGC Programs, Georgia Southern University, L.B. 8016, Statesboro, GA 30460-8016.

### ISP 295—INTERNATIONAL INTERCULTURAL STUDIES ABROAD

Introductory language and/or civilization abroad. Designed primarily for freshmen and sophomores, or those at the initial states of a foreign language. An internship may be a component of the course. Credit varies up to 15 quarter credit hours per term. Prerequisite: consent of instructor.

### ISP 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 credit hours per term. Prerequisite: consent of instructor.

### ISP 497—INTERNATIONAL INTERCULTURAL STUDIES ABROAD

Advanced study of language, civilization, business, or science abroad. Designed primarily for students placing at this level, including 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—SOCIOLOGY OF SEX ROLES**

An exploration of those aspects of human behavior which society views as influenced by membership in one or the other sex. A sociological analysis of the definition, development, and change of sex roles within the various institutions of our society.

**WGS/PSY 358—PSYCHOLOGY OF WOMEN**

Studies female psychological development throughout the life-span. Examines relevant theory and research. Topics include identity and self-concept, relationships and power, sexuality, parenting, work, mental health, and women of color.

**WGS/POL 372—WOMEN AND POLITICS**

Focuses on the relationship of women to the practice of politics and to political theory-building. The student will be introduced to political behavior, political socialization, and selected public policy issues by using a comparative cross-national approach as they pertain to women as a political group.

**WGS/HIS 387—WOMEN IN MODERN EUROPEAN HISTORY**

This course will examine the impact of economic, social, and political events on women in Western Europe since 1789.

**WGS/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.

**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 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

Temporary Assistant Professors: S. Baker

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, D. Hooley, N. Huffman, L. Keys, S. Lanier, J. McDougald, 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: A. Hodge, D. Hodges, M. Mills, P. Whitaker

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.

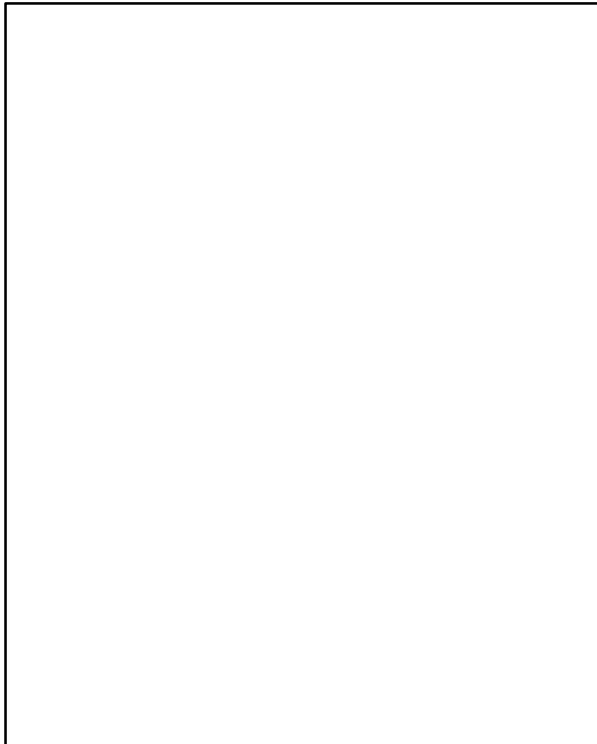
## **MAT 098 A, B, C—ELEMENTARY ALGEBRA**

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 num-

bers, 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 SCIENCE**

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## ORGANIZATION AND OBJECTIVES

The College of Liberal Arts and Social Sciences contains ten departments as follows: Art, Communication Arts, English and Philosophy, Foreign Languages, History, Music, Political Science, Psychology, 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 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. 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

**COMMUNICATION ARTS**

Area IV ..... 30 hours

Foreign Language ..... 10 hours

CAS 252—Intro to Human Communication

CA 250—Intro to Mass Communication

Five hours from:

CAS 251—Fundamentals of Public Speaking

CA 254—Voice and Phonetics

CAJ 252—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

Four hours from:

CAT 330—Acting

CAS 341—Oral Interpretation

CAS 438—Reader's Theatre (Performance Studies)

CAT 565—Puppetry

CAS 344—Advanced Public Speaking

CAB 347—Radio Production

CAB 444—Television Production

Four hours from:

CAP 340—Public Relations

CAP 342—Communications Programming

CAJ 445—Feature Writing

CAB/J 447—Script Writing

CAT 557—Play Writing

CAB/J 446—RTV News and Interviewing

CAJ 443—Subjective Journalism

CAJ 343—News Reporting and Writing

Four hours from:

CAJ 346—History of Journalism

CAT 342—Theatre History I

CAT 343—Theatre History II

CAB/J 345—Law and Ethics of Mass Communication

CAS 449—Philosophy of Communication

CAF 352—History of American Film

Four hours from:

CA 440—Mass Communication Theory

CAS 444—Communication Theory

CAS 343—Semantics

CAS 442—Theories of Small Group Communication

Four hours from:

CAP 445—Public Opinion and Research

CAS 348—Rhetorical Criticism

CAT 341—Script Analysis

CA 349—Media Criticism

CAB/CAJ/IS 352—International Media Systems  
Twenty-four hours in Communication Arts from upper-division offerings approved by advisor.**Specific Requirement**CAS 251—Fundamentals of Public Speaking  
General Electives ..... 25 hours

Minor ..... 20 hours

In addition to these requirements, students pursuing the Bachelor of Arts degree in Communication Arts must have a grade of "C" or better in all Communication Arts courses. Transfer admission to the B.A. in Communication Arts requires an adjusted grade point average of 2.0 or better in all course work done at Georgia Southern University. For transfer students from other institutions, a grade point average of 2.0 on all credit hours attempted at other institutions plus those hours attempted at Georgia Southern University is required.

**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

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. An English major who must repeat the same course more than twice to receive a grade of "C" will no longer be considered as a major.

The English major must 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 fol-

lowing 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.

*\*Must be completed with a grade of "C" or above.*

## 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.

## 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 developmental/personality/social psychology: PSY 371, 374, 375, 376; at least one of the following courses in experimental psychology: PSY 452, 453, 455, 457; at least one of the following laboratory courses: PSY 552, 553, 555, 556, and three additional upper division elective psychology courses approved by the advisor.

A maximum of 10 credit hours in one or more of the following courses may be credited toward the major: PSY 391, 491, 492, 493.

A grade of "C" or better must be made in Psychology 280, 380, 382, and 562, and in the course selected to meet the laboratory requirement.

**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 translation. 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, design 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 341 or CAT 345, CAT 121,  
 CAT 334, CAT 491, CAT 443, CAT 340,  
 CAT 442, CAT 444, CAT 356, CAT 319,

CAT 557, CAT 358, CAT 565  
Fifteen hours of upper-division electives in Communication Arts courses other than theatre—particularly recommended courses are:

- CAS 341, CAS 440, CAF 256, CAF 350,
  - CAB 426, CAS 444, CAP 440, CAB 444
- or department elective approved by advisor.

**Additional requirements:**

- ENG 4461—Drama to Isben
- ENG 4410 or 4411—Shakespeare
- ENG 5403—Modern Drama

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.

**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 REQUIRMENTS**

- 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:**

Techniques and Conducting .....	10-11 hours
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:**

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	
<b>Additional requirements</b>	
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.)

**COMMUNICATION ARTS**

The major in communication arts in the Bachelor of Science degree is designed for those students who are preparing to enter communication professions. A student may seek the B.S. in Communication Arts or, within that major, may choose the B.S. in Communication Arts with an emphasis in Broadcasting.

Area IV .....	30 hours
Foreign Language 153 .....	5 hours
CAS 251 or CA 252 .....	5 hours
CA 254 .....	5 hours
CAJ 252 .....	5 hours
CA 250 .....	5 hours
Printing Management 250 or	

Art 152 or Art 258 .....	5 hours
Major Requirements .....	60 hours
CAJ 343—News Reporting and Writing	
Marketing 351—Advertising	
CAS 443—Semantics or	

Upper Division C.A. Electives .....	4 hours
CAS 444—Communication Theory	
CA upper-division elective .....	4 hours
CAP, CAB, or CAS 493, 494, 495—Internship	
I, II, III. Internship must be taken in student's emphasis area.	

If students do not choose the Broadcasting emphasis, an additional 22-24 hours of upper-division courses in Communication Arts will be approved by the advisor.

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

Transfer admission to the B.S. in Communication Arts, the B.S. in Journalism, and to the B.S. in Public Relations requires an adjusted grade point average of 2.0 or better in all course work done at G.S.U. For transfer students from other institutions, a grade point average of 2.0 on all credit hours attempted at other institutions plus those hours attempted at G.S.U. is required.

For Communication Arts majors and those with emphasis in broadcasting: Students intern at established internship sites. To intern, stu-

dents must file an application at least two quarters prior to the expected quarter of internship. All applicants must have a cumulative 2.0 GPA and must have completed all applicable Communication Arts courses.

**EMPHASIS IN BROADCASTING**

In addition to the courses listed as major requirements for the Bachelor of Science with a major in Communication Arts, the student must take the following:

- CAB 347—Radio Production
- CAB 444—Television Production I
- CAB 422—Lighting for Video Productions
- CAS 341—Oral Interpretation
- Broadcasting Practicum (one hour)
- Eight hours of Broadcasting upper-division electives

Ten upper-division hours from one of the following academic disciplines:  
 Psychology, Sociology, Political Science, Technology, Business

**JOURNALISM**

Journalism majors are primarily trained to work for small-to-medium-sized newspapers.

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:**

- CAJ 346—History of Journalism
- CAJ 343—News Reporting and Writing
- CAJ 344—Copy Editing
- CAJ/CAB 345—Law and Ethics of Mass Communications
- GSU 230—Methods of Library Research
- 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.

A grade of "C" or above is required for credit on each course in the major.

**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 devel-  
 opmental/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 cred-  
 ited toward the major: PSY 391, 491, 492, 493.  
 A grade of "C" or better must be made in Psy-  
 chology 280, 380, 382, 562, and in the course  
 selected to meet the laboratory requirement.

**PUBLIC RELATIONS**

Public relations is the management of communi-  
 cation 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.

For public relations majors, students are  
 required to intern at established internship sites.  
 To intern, students must file an application at  
 least two quarters prior to the expected quarter  
 of internship. All applicants must have a cumu-  
 lative 2.0 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, ART 258, 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  
 Additional 8 hours of upper-division electives  
 and 12 hours from CAS 342/345, CAS 443,  
 CAS 444, CAS 448, or CA 440. A grade of "C"  
 or above is required for credit in each course in  
 the major.

**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

**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 four pre-

law advisors with current information regarding law schools available to offer additional counsel to pre-law students. They are Dr. Lynda Hamilton, Department of Accounting and Law, and Dr. G. Lane Van Tassel, 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 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)

Associate Professors: A. Goke-Pariola,

S. Moore, R. Persico, 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 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: evolutionary 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), B. Solomon, R. Tichich

Associate Professors: J. Hines, J. Rhoades

Hudak, H. Iler, J. Pleak, T. Steadman,

B. Little, R. Sonnema

Assistant Professors: P. Walker

Temporary Assistant Professors: M. Cochran,

Iris Sandkühler

Instructors: Patricia Carter, Greg Carter

**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, sculp-

ture, painting, ceramics, drawing, print making, photography, design and other art forms from various historical periods and world cultures.

#### **ART 250—PAINTING I**

An introduction to oil and/or acrylic painting through a variety of studio experiences with emphasis on direct observations. Prerequisites: ART 150 and ART 257 or consent of instructor.

#### **ART 251—DRAWING II**

Through direct observation and experimentation the student is led to develop a personal approach to expression. The figure, landscape and still-life will be examined in a variety of materials. Prerequisite: ART 152 and 250.

#### **ART 252—THREE-DIMENSIONAL DESIGN**

A study of design as related to aspects of spatial form, involving a study of concepts, materials and processes.

#### **ART 254—PRINTMAKING I**

Introductory study of printmaking in the following processes: stencil, relief, intaglio and planographic. 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 perceptual and affective properties of color through the study of fundamental color theories and studio practices with various media.

#### **ART 258—PHOTOGRAPHY I**

An introduction to personal expression through various photographic media.

#### **ART 280—HISTORY OF ART I**

A chronological survey of the visual arts from prehistoric times through the Middle Ages. Emphasis is on architecture, sculpture, painting, and applied arts. The course introduces questions of style, meaning and cultural context for works of art.

#### **ART 281—HISTORY OF ART II**

A chronological survey of the visual arts from the Renaissance to modern times. Emphasis is on architecture, sculpture, painting, and applied arts. The course introduces questions of style, meaning and cultural context for works of art. Prerequisite: ART 280.

#### **ART 350—PAINTING II**

This advanced painting class uses the studio experience to further the student's understanding of paint as an expressive medium. Emphasis is on the cultivation of personal imagery and creative exploration as informed by a knowledge of traditional and contemporary art. Prerequisite: ART 250.

#### **ART 351—LIFE DRAWING**

The human figure is used as a source for composition. A variety of drawing media are employed. Prerequisites: ART 151, ART 152 or consent of instructor.

#### **ART 352—LETTERING AND LAYOUT**

Study and application of layout, lettering, display and illustration, as used in advertising, fashion design and interior design. Experimentation in various media. Prerequisites: ART 151, ART 152, or consent of instructor.

#### **ART 354—PRINTMAKING II**

Study of various printmaking processes with emphasis on one process. Exact content of the course will be determined individually between the instructor and the student. Prerequisite: ART 254.

#### **ART 355—CERAMICS II**

Intermediate instruction in selected areas of construction techniques, glazing and firing. Emphasis will also be placed on historical and aesthetic concerns. Prerequisites: ART 255, ART 356.

#### **ART 356—SCULPTURE II**

Advanced work in the concepts and processes of sculpture. Prerequisite: ART 256 or consent of instructor.

#### **ART 358—PHOTOGRAPHY II**

An exploration of creative self expression through black and white and/or other photographic media. Prerequisite: ART 258 or consent of instructor.

#### **ART 359—DESIGN OF ENVIRONMENTS**

This course provides the student with the tools for solving problems inherent in environmental

design. Prerequisites: ART 151, ART 152 and ART 252 or consent of instructor.

**ART 370—ART FOR CHILDREN AND YOUTH**

An examination of the artistic development of the child and the preadolescent. Class experiences prepare the student to teach in the areas of art history, art criticism, aesthetics and studio production.

**ART 371—ART FOR ADOLESCENTS**

Theory and methods related to teaching visual art in the secondary schools including studio production, art history, art criticism and aesthetics.

**ART 380—ANCIENT ART**

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—MEDIÉVAL 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. Four double periods per week.

**ART 451—ADVANCED DRAWING**

Advanced drawing problems which lead to an understanding of the impact that drawing materials and processes have on a work's final expressive qualities. Prerequisite: ART 251.

**ART 452—COMMERCIAL DESIGN**

Advanced problems in commercial design. Prerequisite: ART 352 or consent of instructor.

**ART 454—ADVANCED PRINTMAKING**

Individual directed study in either a specific printmaking medium or toward the creation of a portfolio or an artist's book. Prerequisite: ART 354 or consent of instructor.

**ART 455—ADVANCED CERAMICS**

Advanced instruction in clay manipulation and techniques. Students are encouraged to develop historical awareness, aesthetic sensitivity and technical ability. Prerequisite: ART 355 or consent of instructor.

**ART 456—ADVANCED SCULPTURE**

Advanced work in the concepts and processes of sculpture. Prerequisite: ART 356 or consent of instructor.

**ART 458—ADVANCED PHOTOGRAPHY**

Intensive exploration of a variety of photographic methods to achieve an advanced level of personal expression and an understanding of aesthetics. Prerequisite: ART 358 or consent of instructor.

**ART 480—SEMINAR IN FINE ARTS**

Directed readings and discussions on selected topics in the fine arts. Prerequisites: ART 280 and ART 281 or consent of instructor.

**ART 481—CONTEMPORARY ART**

Study of the major issues, trends and personalities in the visual arts within the last decade.

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

**ART 482—ART HISTORY STUDIES IN EUROPE**

A study of important works of art in museums, galleries, and churches on location in Europe. Prerequisites: ART 280 and ART 281 or consent of instructor.

**ART/AS/AAS 484—AFRICAN AMERICAN ART**

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. Shytle (Emeritus)

Associate Professors: G. Dartt, H. Fulmer,

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

Assistant Professors: R. Bohler, P. Bourland,

C. Geyerman, B. Graham, K. Murray,

P. Pace, V. Rowden, M. Whitaker,

J. Williams, E. Wyatt

Instructors: D. Burns (on leave), L. Fall,

B. Fields

**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/ANT/ENG 563—SOCIOLINGUISTICS**  
See ENG 5472 for course description.

**CA 599—SELECTED TOPICS IN COMMUNICATION ARTS**

**BROADCASTING**

**CAB 340—TELECOMMUNICATIONS**

A study of the operations of electronic media with emphasis on an emerging information-based economy. This course offers theoretical and practical knowledge towards understanding and forecasting the roles of new and evolving media technologies, rationale for federal 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 production 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 dra-

matic 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 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 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 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 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 preparatory and prerequisite course for most other production and performance courses in the theatre area.

**CAT 255—ACTING I**

Designed to teach the student to master stage techniques. For Communication Arts majors and minors or as an elective.

**CAT 257—INTRODUCTION TO THEATRE**

A study using lectures, films, recordings and the reading of representative plays. Designed to develop appreciation of dramatic literature as theatre.

**CAT 319 A, B, C, D, E—VOICE IMPROVEMENT FOR THE THEATRE**

Developing the natural voice and extending its flexibility as an instrument for the stage. Developing vocal self-awareness. Credit: one hour per course. A maximum of five hours may apply toward a degree.

**CAT 334—SCENE PAINTING FOR STAGE AND SCREEN**

History and development of the techniques of scene painting. The art of scene painting of backdrops, application of three-dimensional textures, and trompe-l'oeil effects for use on

stage or in the photographic media. The student will learn to handle a variety of paint media including transparent dye. The course will also teach the application of metal leaves which simulate gold.

**CAT 340—THEATRE MANAGEMENT**

Principles and practices of managing commercial and non-commercial theatrical producing organizations. Designed to deal with problems of organization, financial structure, personnel, policy, physical plant, program building, public relations, market analysis and sales, along with the co-relationship of these elements to artistic production.

**CAT 341—SCRIPT ANALYSIS**

Processes of script analysis necessary to stage plays for the public. Prerequisites: CAT 257 or consent of instructor.

**CAT 342—THEATRE HISTORY I: TO THE ELIZABETHANS**

A survey of the physical structure, production methods, acting and stage design of theatre from its beginnings up to the Elizabethan Period. The course will consider primitive rituals and Oriental Theatre as well as Western European drama. Included will be the reading of representative plays and their application to the theatrical development of the period.

**CAT 343—THEATRE HISTORY II: ELIZABETHAN·MODERN**

A survey of the physical structure, production methods, acting and stage design of Western Theatre from the Elizabethan period through the modern period. Included will be the reading of representative plays and their applications to the theatrical development of the period.

**CAT 346—PLAY DIRECTING**

Includes methods and techniques of all phases of play directing. Each student is required to direct a one-act play or an act from a longer play. Prerequisites: CAT 341 and CAT 255.

**CAT 347—ACTING II**

Prerequisite: CAT 255.

**CAT/AAS 356—AFRICAN-AMERICAN THEATRE**

A course which investigates the contributions of black playwrights, actors, and directors to American theatre.

**CAT 358—CHILD DRAMA AND CREATIVE DRAMATICS**

Drama for and with children as a participatory and as a presentational medium. Students will examine the unique aspects of plays performed for and by children, as well as imitative games and activities to be created and enjoyed by children, for a variety of educational and social purposes without concern for audiences.

**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/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,

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

D. Ruffin (Emeritus), F. Sanders,

P. Spurgeon (Emeritus), A. Whittle

Associate Professors: B. Bitter (Emerita),

A. Goke-Pariola, B. Horan, P. LaCerva,

D. Lanier (Emerita), E. Little (Emeritus),

T. Lloyd, D. Purvis, F. Richter, D. Thomson,

T. Warchol

Assistant Professors: E. Agnew, E. Boliek,

P. Brown, C. Crittenden, M. Cyr, P. Dallas,

D. Davis, D. Dudley, O. Edenfield, K. Ferro,

R. Flynn, M. Geddy, D. Golden, P. Griffin,

M. Hadley, G. Hicks (Emerita),

C. Hoff (Emeritus), A. Hooley (Emerita),

E. James (Emerita), D. Jones (Emerita),

M. Kallstrom, R. Keithley, G. Kundu,

M. McLaughlin, E. Mills (Emerita),

E. Nelson, D. Norman, T. Norman, L. Paige,

J. Parcels, R. Quince, S. Rabitsch,

D. Robinson, C. Schille, J. Spencer,

T. Thompson, C. Town, S. Weiss, T. Whelan,

N. Wright

Temporary Assistant Professor: K. Csengeri

Instructors: K. Albertson, G. Bess, Z. Burton,

N. Dessommes, S. Divers, M. Franklin,

B. Freeman, T. Giles, E. Hendrix, D. Hooley,

N. Huffman, A. Malik, K. McCullough,

M. Pate, P. Price, N. Saye, V. Spell,

V. Trussel

Temporary Instructors: S. Baker, S. Brannen,

R. Brock-Servais, P. Deal, A. Hodge,

M. Mills, L. Milner, C. Rogers,

L. Von Bergen

Part-time Instructors: B. Burkhalter, M. Cato,

N. Hashmi, N. LoBue, G. Lynn

### 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.

**FOREIGN LANGUAGES**

D. Seaman, Chair

Professors: L. Bouma (Emeritus),

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

J. Weatherford

Associate Professors: D. Alley, J. Buller,

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. 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, N. Sardi,

R. Sugahara, L. Tegge

The department strongly encourages majors to participate in studies abroad programs and will also give assistance to any students who are interested in independent study, travel and work overseas. Most courses on the 300 and 400 level listed below are not offered every year.

**FL/ANT 350—INTRODUCTION TO LANGUAGE**

A general introduction to the nature and structure of language and its role in society. Students will be strongly encouraged to conduct individual explorations into the relationship of linguistics to their major field of study or other personal interest. No prerequisites.

**FL 351—GREEK AND LATIN VOCABULARY IN ENGLISH**

A course designed to improve the student's use and understanding of the vocabulary of English through a study of the Latin and Greek elements (word roots) in English. Emphasis on words in current scientific and literary use. No knowledge of Greek or Latin required. No prerequisites.

**FL 399—SELECTED TOPICS IN FOREIGN LANGUAGES**

This course is designed to provide (on demand) study of foreign languages not generally offered by the department (e.g. Greek, 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 emphasis on grammar and syntax. Prerequisite: ARA 151 or equivalent.

**ARA 153—ELEMENTARY ARABIC III**

Continuation of Arabic 152. Prerequisite: ARA 152 or equivalent.

**ARA 252—INTERMEDIATE ARABIC**

Continuation of Arabic 153; grammar review and increased emphasis on reading authentic texts. Prerequisite: ARA 153 or equivalent.

**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 au-

thors. 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 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**

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 463—SEMINAR IN GERMAN: GREAT AUTHORS**

A close study of German authors from all periods and their works. Prerequisite: two courses at the 300 level or consent of the instructor.

**GER 465—GERMAN PROSE**

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 499—DIRECTED STUDY IN GERMAN**

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

**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 grammar.

cal 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**

**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.

**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 454—LITERATURE OF PUNDONOR**

Study of Hispanic literature from the seventeenth century to the present, emphasizing the cultural themes of dignity, honor and pride. Concentration on Spanish peninsular works of literature. Taught in Spanish. Prerequisite: Spanish 352 plus one additional course at the 300-level or consent of the instructor.

**SPA/LAS 455—LITERATURE OF EXPLOITATION**

Study of Latin American literature up to the twentieth century, with emphasis on the Hispanic themes of exploitation and the social roles which are conditioned through such exploitation. Taught in Spanish. Prerequisite: Spanish 352 plus one additional course at the 300-level or consent of the instructor.

**SPA 458—AFRO-HISPANIC LITERATURE**

Study of literary works which present the images of the African in Hispanic literature and which portray the Black experience in Latin America. Taught in Spanish. Prerequisites: SPA 352 plus one additional 300-level Spanish course or consent of the instructor.

**SPA 460—LATIN AMERICAN CULTURE THROUGH FILM**

Study of significant themes of Latin American culture (such as the role of the family, Hispanic immigration, impact of revolutions, etc.) through Spanish-language films. Films will be accompanied by supporting texts and classroom discussion. Oral and written reports required. Prerequisites: SPA 350 or SPA 355 or permission of instructor.

**SPA 461—CONTEMPORARY HISPANO-AMERICAN CULTURE**

Study and analysis of Twentieth-Century

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 463—LITERATURE OF FAITH AND PIETY**

Intensive study of the masterpieces of the Spanish Golden Age with emphasis on the themes of mysticism, piety, and anticlericalism. Taught in Spanish. Prerequisite: Spanish 352 plus one additional course at the 300-level or consent of the instructor.

**SPA 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 469—LATIN AMERICAN “BOOM” LITERATURE**

A survey of Latin American literature since 1960. Emphasis on those Latin American novelists, short story writers, poets, dramatists and essayists whose works began to receive international recognition in contemporary culture. Active use of the Spanish language. Prerequisite: Spanish 352 plus one additional course at the 300 level, or consent of the instructor.

**SPA 499—DIRECTED STUDY IN SPANISH**  
Independent study under faculty supervision. Prerequisite: consent of department 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, D. Rakestraw, P. Rodell, C. Roell, J. Steinberg, T. Teeter, R. Thompson

Temporary Instructor: C. Ebel

Visiting Professor: O. Shiroya

**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—THE MIDDLE AGES**

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

**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—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/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, intoler-

ance and persecution and the unique contributions of minorities to the dominant society.

**HIS/AAS 385—HISTORY OF SUB-SAHARAN AFRICA I**

A survey of the history of Sub-Saharan Africa from the origins to 1800, including developments in culture, society, politics and foreign relations, especially with the Islamic and Western World.

**HIS/AAS 386—HISTORY OF SUB-SAHARAN AFRICA II**

A survey of the history of Sub-Saharan Africa from 1800 to the present, including developments in culture, society, politics and foreign relations especially with the Islamic and Western worlds.

**HIS/WGS 387—WOMEN IN MODERN EUROPEAN HISTORY**

This course will examine the impact of economic, social, and political events on women in Western Europe since 1789.

**HIS 389—19TH-CENTURY EUROPE**

A study of the main political, social, economic, and cultural developments of the nineteenth century, with emphasis on the problems of nationalism, industrialization, revolution and the cultural movements of Romanticism and Realism.

**HIS 399—SELECTED TOPICS IN HISTORY**

**HIS 450—GEORGIA HISTORY**

A detailed study of all aspects of Georgia history from colonization to the present. A field trip is made to places of historic interest in the state.

**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 nationalism since the 19th century. The course will examine the anti-colonial struggle, the recovery of national independence and post-colonial problems.

**HIS 478—MODERN SPAIN AND PORTUGAL**

A cultural and political history of Spain and Portugal from 1700 to the present.

**HIS 479—READING FOR HONORS IN HISTORY****HIS 480—HISTORY OF THE 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.

L. Van Tassell, Chair

R. Waugh, Director

Professor: G. Cox

Associate Professor: S. Tracy, R. Waugh

Assistant Professors: F. Ferguson, L. Kelly, D. Sabia

Temporary Assistant Professors: R. Davis, B. McKay

Part-time Assistant Professor: M. Classens, G. Waters

Part-time Instructor: S. Williams

**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 develop-

ment 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 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 con-

veyances, 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 inter-

est. 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 summary 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, J. Broucek (Emeritus), N. da Roza, J. Graham (Emeritus), D. Graves, R. Marchionni, D. Mathew

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

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

Temporary Assistant Professor: A. Davis  
Instructor: M. Fallin

Part-Time Instructors: P. Barry, A. Handelman, R. Kho, C. Moller, L. Najarian, C. Purdy, A. Schmid, J. Singletary, 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 Preparation and MUA 401—Senior Recital Preparation are taken during the quarter the student performs the Junior or Senior Recital. The student enrolled in the recital preparation class will receive one hour credit and a twenty-five minute extra lesson per week. There is no applied music fee for registering in either of the recital preparation classes.

The above MUA sequential numbers are for music majors on their primary instruments only. Music majors taking a secondary instrument and non-majors wishing to take applied music must register for one of the following course numbers: MUA 191N, MUA 192N, MUA 391N or MUA 392N.

### **MUSIC ENSEMBLES**

Ensembles of various types are available. Participation in any specific music ensemble may require a brief audition 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 practi-

cal 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 stylistic 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 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 ca-

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 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 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 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/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.

L. Van Tassell, 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, G. Okafor, S. Ratan,

D. Sabia, L. Taylor

Temporary Assistant Professors: B. Balleck,

R. Davis, B. N. McKay, B. Sharpe,

S. G. Song

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 landmark Supreme Court decisions. Topics include: freedom of speech, press and religion; search and seizure; and right to counsel.

**PSC/CAF 360—FILM AND POLITICS**

Consideration of how the art of film has contributed to an understanding of major twentieth-century political events, processes, and thoughts. Topics addressed include war, revolution, racism, nationalistic militarism, presidential politics and campaigning, propaganda, mass media and politics, populism, and the ethos of democracy. Prerequisite: PSC 250 or consent of instructor.

**PSC 363—SCOPE AND METHODS IN POLITICAL SCIENCE**

An introduction to the major theoretical models currently used in political science and to the major research techniques and methodologies. Students will have direct experience in data gathering, statistical analysis, data processing and research reporting. Prerequisites: STA 255 and STA 256 or consent of instructor.

**PSC 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 ideologi-

cal 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. Steirn, J. Wilson

Temporary Associate Professor: J. Kropp

Temporary Assistant Professors: J. Bullington,  
M. Nielsen

Temporary Instructor: D. Marshall

Part-Time Assistant Professor: C. Cone-Dekle

**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 computa-

tional 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 perception and group influences on individual behavior. Prerequisite: PSY 150.

**PSY 375—LIFE-SPAN DEVELOPMENTAL PSYCHOLOGY**

Comprehensive overview of normal human development from conception through old age. The roles that genetics and experience play in social and cognitive development are emphasized. Prerequisite: PSY 150.

**PSY 376—PERSONALITY PSYCHOLOGY**

An introduction to major areas in the field of personality: approaches to personality theory, methods of assessing personality, personality development and research findings on selected aspects of personality. Prerequisite: PSY 150.

**PSY 377—PSYCHOLOGY OF HUMAN SEXUALITY**

This course provides an overview of the psychological and physiological factors in human sexual and reproductive behavior, including the psychology of sexual motivation and functioning, anatomy and physiology of the reproductive systems, prenatal development, contraceptive techniques and psychological aspects of sexual disorders. Prerequisite: PSY 150.

**PSY 378—PSYCHOLOGICAL TESTS AND MEASUREMENTS**

An introduction to basic measurement concepts used in the constructing and standardizing of psychological tests and an examination of tests of intelligence, personality, attitudes, and special abilities. Particular attention is given to the development of an understanding of the functional relationship between measurement and evaluation. Standardized psychological instruments are critically analyzed in terms of the Technical Recommendations for Psychological Tests and Techniques of the American Psycho-

logical 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. Prerequisites: 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—ADVANCED COGNITIVE PSYCHOLOGY**

A laboratory course that presents some of the topics of Psychology 452 (Cognitive Psychol-

ogy) 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—ADVANCED ANIMAL LEARNING AND COGNITION**

A study of the fundamental principles of conditioning and learning including experimental techniques and the analysis and generalizations of scientific findings. Students examine the theoretical basis for behavior change, and the principles of learning that underlie such an approach. A laboratory component provides directed and systematic exposure to an application of conditioning principles. Prerequisites: PSY 150, either PSY 381 or PSY 280 and PSY 380, PSY 382, and PSY 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 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), J. Vaughn

Associate Professors: H. Kaplan,

T. Scott (Emeritus), W. Smith

Assistant Professors: P. Hargis, D. Hill,

M. Morgan G. Pratt, J. Strickland, J. Zhang

Temporary Instructors: J. Joyner, 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, psychologi-

cal, 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 contempo-

rary 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 appro-

priate 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 cur-

rent 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**

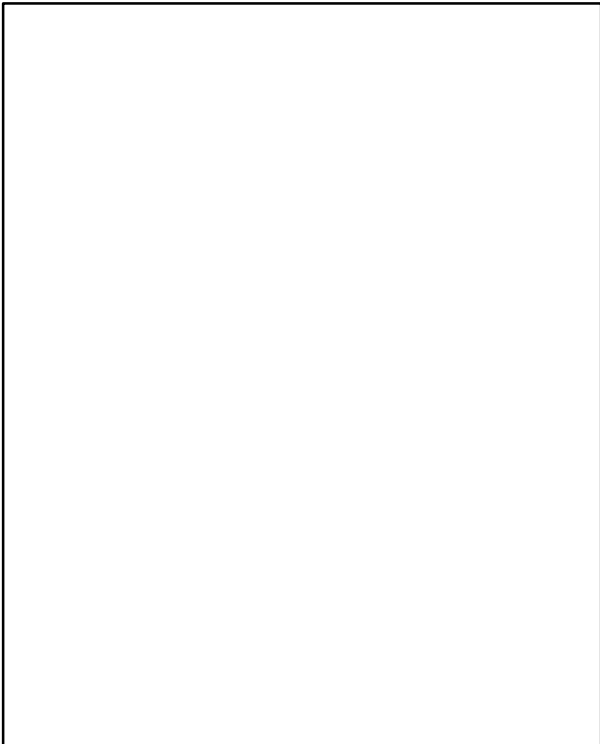
Designed to give practical experience in a sociologically and vocationally appropriate setting to students in the B.S. programs in sociology. Five hours credit in each segment, up to fifteen hours. Prerequisite: permission of major advisor from the Department of Sociology and Anthropology.

**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, the national accrediting agency for collegiate schools of business, at both the baccalaureate level and the masters level.

The College of Business Administration of Georgia Southern University is unusually well equipped to provide its students with preparation that will enable them to obtain employment and to handle the challenges of the modern world of business. The college has a faculty composed of outstanding teachers who have exceptional educations and practical experience in both industry and government. Further, the college has the facilities and equipment to match the teaching staff and a curriculum that is constantly being adapted to keep pace with an expanding industrial complex.

The college offers the Bachelor of Business Administration, the Bachelor of Science in Economics, and the Master of Business Administration 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 Manage-

ment 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 Upper Division Business Electives and Free Electives .....	20 hours
Capstone Course BA 450 .....	
Business Policy .....	5 hours
Total .....	192 hours

\*See specific requirements for Accounting.

### GENERAL EDUCATION REQUIREMENTS

The General Education Core Curriculum, Areas I, II, and III are consistent with the Georgia

Southern University Core Curriculum Requirements as detailed in the catalog. As preparation for junior-senior level work, students are encouraged to include in their authorized electives in Areas I, II, and III, the following courses:

Area I: ..... CAS 251—Fundamentals of Public Speaking

Area II: ..... MAT 155—Business Calculus & Applications

Area III: PSY 150—Introduction to Psychology or SOC—150, Introduction to Sociology.

Area IV: .. Area IV requirements of the core curriculum are common to all majors in the College of Business Administration.

Area IV: ..... 30 hours

ACC 251, 252—Principles of

Accounting I and II ..... 10 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 FREE ELECTIVES

The 20 hours of credit in this block may be used to add a minor field of study or may be used as elective hours. If used to add a minor, plan A will apply or if used as elective hours, plan B will apply.

Plan A (Minor) ..... 20 hours  
Plan B (Electives).

Upper Division Business Electives ..... 10 hours  
Free Electives ..... 10 hours

The courses required for each authorized minor are specified in this catalog (see Minors, General Information section).

### 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 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 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 opportuni-

ties 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 .....	5 hours
ECO 458—International Economics or	
LST 360—International Business Law ...	5 hours

**FINANCE**

Study in this area develops familiarity with the institutions and instruments within our financial system and an understanding of the problems of financing business activity. It includes study of the techniques and tools for solving these problems.

**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 including CASE methodology, application development with third and fourth generation systems, and advanced topics such as client-server systems, object-oriented systems, and decision 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 488—Applied Database Systems ..... 5 hours  
 CIS 489—IS Development & Implementation ..... 5 hours  
 One Information Systems Elective chosen from the following list (approved by an advisor) ..... 5 hours  
 CIS 460—Advanced Programming Systems  
 CIS 470—Decision Support/Expert Systems  
 CIS 484—Business Data Communications  
 CIS 486—Information Resource Management  
 CSC 287—UNIX and C Programming  
 CSC 364—Data Structures

**MANAGEMENT**

This major emphasizes the integrative nature of the management discipline in planning, organizing, directing and controlling contemporary profit and non-profit organizations. The program includes the study of both qualitative and quantitative contributions from the management sciences to provide the student with modern analytic concepts, tools, and techniques 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 into the classroom considerations of relevant business problems. The student who wishes to major in management can select one of four options: (1) the management major without 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 who have career aspirations that entail developing, starting, and managing businesses for profit. The distinguishing characteristic of the emphasis is that it will focus on teaching students how to assume total profit responsibility for a business enterprise. This necessarily entails the calculation of profit for a business operation as a whole. This emphasis will especially appeal to those who are self-motivators and who enjoy thinking for themselves and expressing their own ideas in their environments.

**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.

**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, operations, and similar industries.

**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
- IM 352—Statistical Quality Control
- IET 451—Plant Layout
- IET 452—Introduction to Robotics and CIM
- IET 453—Industrial Systems Simulations
- 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.

L. Hamilton, Acting Chair

Professors: L. Hamilton, O. James (Emeritus), P. LaGrone (Emeritus), J. Martin, H. O'Keefe, N. Quick (Emeritus)

Associate Professors: W. Bostwick, H. Harrell,  
R. Landry, N. Wagner, S. Wise

Assistant Professors: L. Fletcher, W. Francisco,  
K. Johnson, L. Mooney, 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. Prerequisite: Completion of 80 credit hours of coursework.

**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 the 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. Budack, M. Partridge, L. Stewart

Temporary Instructors: T. Coe, W. Jones (On Leave), J. Partridge

**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.

L. Bleicken, Acting Chair

Professors: W. Carper, H. Carter, T. Case,

C. Gooding, B. Keys, U. Knotts, L. Parrish,

J. Pickett, M. McDonald, R. Stapleton

Associate Professors: L. Bleicken, M. Burns,

L. Dosier, J. Gutknecht, R. Kent,

E. Murkison, R. Stone, R. Wells

Assistant Professors: C. Campbell, J. Henry,

T. McClurg, C. Randall, S. Rebstock,  
G. Russell, C. Turner,

Instructors: C. Rogers, L. Smith, B. Williams

**CIS 251—INTRODUCTION TO COMPUTER INFORMATION SYSTEMS**

A survey of Management Information Systems and the application of computers in business. This course introduces students to hardware, software, data, procedures, and human resources and examines their integration and application in the business setting. Students will also experience the use of word processing, spreadsheet, and database management programs. Prerequisites: ENG 151, and 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 advanced techniques. Prerequisites: CIS 381 or CSC 283 and CSC 285 or consent of instructor

**CIS 384—SYSTEMS ANALYSIS AND DESIGN**

Concepts and techniques of systems analysis and design. Topics include systems theory, systems analysis and design, tools and techniques of the analyst, and the design of an information system. Prerequisites: CIS 381 or CSC 283 and CSC 285 or consent of instructor.

**CIS 460—ADVANCED PROGRAMMING CONCEPTS**

This course examines advanced programming concepts. Possible topics may include object oriented programming and fourth and fifth generation languages, using appropriate languages and systems. Prerequisite: CIS 381 and CIS 384 or consent of instructor.

**CIS 470—DECISION SUPPORT/EXPERT SYSTEMS**

This course examines the application of micro-computer based decision support and expert systems software to the solution of business

problems. Prerequisite: CIS 381 or consent of instructor.

**CIS 484—BUSINESS DATA COMMUNICATIONS**

A study of telecommunications technology in the business environment to include voice, data, and video communications. Emphasis will be placed on the application of the technology to meet information systems requirements. Prerequisites: CIS 381 and CIS 384 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. Student interns will be required to interview for jobs in those firms which are pre-selected by the Information Systems faculty. Any student enrolled in the internship program will be required to work for one full quarter. Prerequisites: Junior Standing; consent of both the supervising instructor and the department chairperson.

**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 man-

agement functions of planning, organizing, leading, and controlling. Other 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 probability theory, decision making under certainty and uncertainty, inventory models, linear programming, Markov analysis, and queuing models. Prerequisite: MGT 354 or consent of instructor.

**MGT 357—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, as previously learned, are applied to the not-for-profit

organization and human resource management techniques are considered for the sector. Further, the role in society of the not-for-profit organization is examined. Prerequisites: MGT 351 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: FIN 351, MKT 350, MGT 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: FIN 351, MKT 350, MGT 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, or consent of instructor.

#### **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 operations 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. Student interns will be required to interview for jobs in those firms which are pre-selected by the Management faculty. Any student enrolled in the internship program will be required to work for one full quarter. Prerequisites: Junior Standing; consent of both the supervising instructor and the department chairperson is also required.

### **DEPARTMENT OF MARKETING**

Courses in marketing and logistics and intermodal transportation are offered by the Department of Marketing.

D. Thompson, Chair

Professors: W. Bolen, E. Randall, D. Thompson, J. White (Emeritus)

Associate Professors: R. Hilde, M. Miles,

L. Munilla, C. Williams, J. Wilson

Assistant Professors: L. Denton,

J. Ezell (Emeritus), B. Gibson,

A. Moxley (Emeritus), C. Swift

Instructors: S. Hodges, 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 and MKT 452.

**MKT 456—SALES MANAGEMENT**

Management of sales force activities. Emphasis on organization, territory design, leadership skills, motivation, and cost analysis. Prerequisite: 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, MKT 351, and MKT 458.

**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.

**MKT 470—MARKETING FOR NON-PROFIT ORGANIZATIONS**

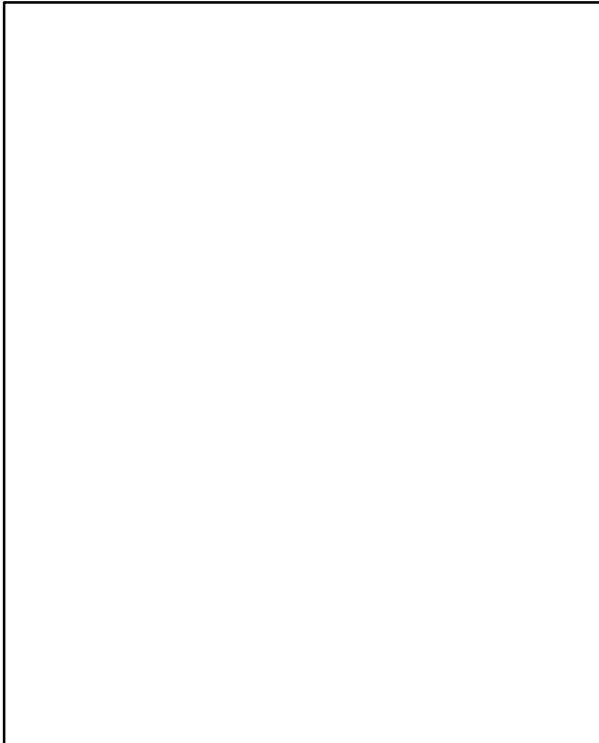
A survey of the field of marketing for non-profit organizations; including governmental organizations, mutual benefit organizations, and service organizations. Prerequisite: MKT 350.

**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.

Programs are approved by the Georgia Professional Standards Commission, the Southern Association of Colleges and Schools, and the National Council for Accreditation of Teacher Education.

The College of Education offers undergraduate and graduate programs to prepare personnel for work in public education. All programs to prepare personnel for work in public education are developed through the College of Education, administered by a dean. (For graduate programs, see the Graduate Catalog.)

## TEACHER PREPARATION

At the undergraduate level the teacher education programs lead toward the degree of Bachelor of Science in Education. Each teaching field program has been certified by the Georgia Professional Standards Commission and by the National Council for Accreditation of Teacher Education as an "approved" program.

The standard credential for teaching in the public schools in Georgia is the Teacher's Level Four Certificate. To qualify for this certificate one must complete the approved four-year curriculum for a specific school or teaching field and must be recommended by the

College of Education.

Although a student is ordinarily expected to be graduated under the requirements of the catalog in effect at the time of his matriculation, certification requirements of the Georgia Professional Standards Commission do change and, therefore, affect teacher education program requirements. For this reason, the program of study enabling a student to be eligible for a recommendation for certification may change.

## ADVISEMENT

All students will complete the core curriculum. Each student in Education will be assigned to the Advisement Center in the College of Education for course planning and scheduling. In order to meet the requirements of the teaching field, professional education and certification, it is advisable for the student to declare an intention to prepare for teaching by the end of the sophomore year.

## DEGREES AND MAJORS OFFERED

The College of Education offers undergraduate programs leading to the Bachelor of Science in Education degree and the Associate of Applied Science in Education. The undergraduate programs offered in the Bachelor of Science in Education degree are in the following areas:

### ART

This major prepares students to teach art in grades P-12 and to receive the Georgia Level Four Art (P-12) Professional Certificate.

### EARLY CHILDHOOD EDUCATION

This major prepares students to teach grades P-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 P-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 P-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 P-12 and to receive the Georgia Level Four Music (P-12) Professional Certificate.

### **SECONDARY EDUCATION**

This major prepares students to teach in a specific teaching area in grades 7-12. The teaching areas within Secondary Education are:

Business, English, Home Economics, Technology Education, Mathematics, Science, Social Science, and Speech. Graduates are eligible to receive the Georgia Level Four (7-12) Professional Certificate.

### **SPECIAL EDUCATION FOR EXCEPTIONAL CHILDREN**

This major prepares students to teach in grades P-12 and to receive the Georgia Level Four Special Education (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.

### **ASSOCIATE DEGREE**

The undergraduate program offered for the Associate in Applied Science in Education degree is designed for persons interested in becoming teacher aides. The 90-hour undergraduate program includes coursework and practicum experiences planned to develop a proficiency in working as an aide in the classroom setting.

### **CERTIFICATE ENDORSEMENT PROGRAMS**

The College of Education offers Gifted Education and English for Speakers of Other Languages (ESOL) which can be added to the Level Four Certificate. Contact the Teacher Certification Coordinator for course requirements and prerequisites.

## **BACHELOR OF SCIENCE IN EDUCATION**

### **DEGREE REQUIREMENTS**

Requirements for the degree include fulfillment of the core curriculum, a teaching field with a minimum of 30 quarter hours at the junior/senior level, 30 to 45 quarter hours in professional education and seven quarter hours in health and physical education. At least half of the courses required in the teaching field must be taken at this institution. Neither correspondence nor extension credit may be used to satisfy professional education and content requirements.

In addition to these requirements, a student pursuing the Bachelor of Science in Education degree is required to:

1. Be admitted to the Teacher Education Program.
2. Have a grade of "C" or better on all courses in Area IV of the Core Curriculum, the teaching field, and in professional education.

### **ADMISSION 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 grade point average 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 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 not 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 university and departmental prerequisites for majoring in the field.
6. Have a disciplinary record clear of any actions which might be a detriment to successful performance in the classroom.
7. Possess mental, emotional, and physical health compatible with the expectations of the profession.
8. Participate in the orientation to student teaching included as part of the various methods "blocks."
9. Complete the professional education program and courses in the teaching field with a grade of "C" or better. (Includes courses in Area IV of the Core Curriculum which are appropriate to the selected education major.)

The College of Education reserves the right to deny re-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 level are designed to prepare teachers and school administrative and supervisory personnel for several types of certificates including the Georgia Levels Four, Five, Six, and Seven certificates for graduates who are holders of bachelor's 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. Students must be admitted into the Teacher Education Program and meet admission require-

ments 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 have passed the Georgia Teacher Certification Test in the appropriate field, must have transcripts reviewed by the Teacher Certification Coordinator, and must 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.

**BACHELOR OF SCIENCE IN EDUCATION DEGREE PROGRAMS**

**ART 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	EC 457—Mathematics Approaches for Children .....	5 hours
ART 256—Sculpture I .....	5 hours	PE 337—Physical Education for Early Childhood (P-5) .....	3 hours
ART 257—Color Theory .....	5 hours	HTH 531—Health for the Elementary Schools .....	3 hours
ART 258—Photography I .....	5 hours	EC 463—Science in Elementary School	5 hours
ART 350—Painting II .....	5 hours	EC 455—Language Arts in Early Childhood Curriculum .....	5 hours
ART 352—Lettering and Layout .....	5 hours	RDG 459—Teaching of Reading .....	5 hours
ART 354—Printmaking II .....	5 hours	RDG 430—Reading Practicum .....	3 hours
ART 355—Ceramics II .....	5 hours	EC 453—Curriculum of the Social Studies .....	5 hours
ART 356—Sculpture II .....	5 hours	EDT 450—Introduction to Instructional Technology .....	5 hours
ART 370—Art for Children and Youth	.5 hours	EXC 450—Identification and Education of Exceptional Students in the Regular Classroom .....	5 hours
ART 371—Art for Adolescents .....	5 hours	Ten hours from:	
ART 450—Painting .....	5 hours	*ART 370—Art for Children and Youth	5 hours
ART 452—Commercial Design .....	5 hours	FCS 472—Children’s Creative Activities .....	5 hours
ART 456—Advanced Sculpture .....	5 hours	**MUS 351—Music for Teachers: Early Childhood (K-4) .....	5 hours
ART 490—Computer Graphics .....	5 hours	EC 464—Creative Arts for Children .....	5 hours
ART 496—Problems in Ceramics .....	5 hours	EC 466—Integrating Children’s Literature into the Early Childhood Curriculum	.5 hours
15 Hours from Art History:		* Must take ART 160 or ART 370.	
ART 280, 281, and an additional 5 hours of upper division Art History .....	15 hours	** Must take MUS 152 or MUS 351.	

## 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 .....

Advisor Approved Electives from Areas I, II, or

III of the Core Curriculum .....

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 .....

FCS 433—Practicum in Child

Development .....

EC 460—Early Childhood Curriculum .. 5 hours

EC 461—Methods of Teaching Early

Childhood .....

EC 462—Senior Seminar .....

EC 437—Participation .....

EC 491—Student Teaching .....

Specialized Content for Teaching—54 hours

EC 457—Mathematics Approaches

for Children .....

PE 337—Physical Education for Early

Childhood (P-5) .....

HTH 531—Health for the Elementary

Schools .....

EC 463—Science in Elementary School

EC 455—Language Arts in Early

Childhood Curriculum .....

RDG 459—Teaching of Reading .....

RDG 430—Reading Practicum .....

EC 453—Curriculum of the Social

Studies .....

EDT 450—Introduction to

Instructional Technology .....

EXC 450—Identification and Education of

Exceptional Students in the Regular

Classroom .....

Ten hours from:

\*ART 370—Art for Children and Youth

FCS 472—Children’s Creative

Activities .....

\*\*MUS 351—Music for Teachers:

Early Childhood (K-4) .....

EC 464—Creative Arts for Children .....

EC 466—Integrating Children’s Literature

into the Early Childhood Curriculum

\* 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 .....

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 .....

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 (25 hours):

HTH 350—Personal Health for Majors .. 5 hours

HTH 451—Public Health ..... 5 hours

HTH 550—General Safety and First Aid 5 hours

HTH 555—Organization and Materials of School Health Programs ..... 5 hours

HTH 557—Life-style Management ..... 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—P.E. for Elementary School (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 Teaching ..... 51 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: MG ..... 5 hours

(2) a primary concentration consisting of a minimum of 35 hours in mathematics, language arts, science or social studies (ten hours of which must be upper division); and

(3) a second concentration of 25 hours in music, art, physical education/health, mathematics, language arts, science, or social studies (ten hours of which must be upper division). Courses to be used in the concentration areas must be approved by the student's advisor.

**SECONDARY EDUCATION MAJORS BUSINESS EDUCATION**

This program requires the completion of a minimum of 194 quarter hours in required courses and approved electives and leads to the

Bachelor of Science in Education degree and the Georgia Level Four Business Education (7-12) Professional Certificate.

**General Requirements:**

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

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 - 53 hours

ACC 251—Principles of Accounting I... 5 hours

ACC 252—Principles of Accounting II .5 hours

MKT 255—Business Communications .. 5 hours

EDB 251—Beginning Keyboarding ..... 5 hours

EDB 351—Intermediate Keyboarding ... 5 hours

EDB 450—Word/Information

Processing ..... 5 hours

EDB 451—Office Procedures ..... 5 hours

LST 352—Legal Environment of

Business ..... 5 hours

MAT 255—Introduction to Statistics

Using the Computer ..... 5 hours

VED 450—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 electives ..... 10 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 ..... 5 hours

ENG 253—The Human Image in Literature of

the Western World III ..... 5 hours

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 - 38 hours

FED 361—Educational Psychology ..... 5 hours

EXC 450—Identification and Education of

Exceptional Students in the

Regular Classroom ..... 5 hours

SED 355—Methods for Teaching Secondary

Language Arts ..... 5 hours

SED 454—Secondary School

Curriculum ..... 5 hours

EDT 430—Instructional Technology for Middle

and Secondary Schools ..... 3 hours

SED 491—Student Teaching ..... 15 hours

Specialized Content for Teaching - 60 hours

ENG 351, 352—English Literature ..... 10 hours

ENG 361, 362—American Literature .. 10 hours

ENG 571—Modern English Grammar ... 5 hours

ENG 452—History of the English

Language ..... 5 hours

ENG 573—Adolescent Literature ..... 5 hours

English Electives ..... 10 hours

Foreign Language above the 152 level . 10 hours

RDG 560—Reading Strategies for

Middle and Secondary School ..... 5 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:

Area IV - 30 hours

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 550—Advanced Programming in BASIC .....	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

Certification will be in Secondary Science with an emphasis in at least one science area. The four content areas are Biology, Chemistry, Earth-Space Science, and Physics. The student must complete at least 50 quarter hours in one area and 15 quarter hours in each of two of the remaining areas. Statistics must be included.

### **Biology Emphasis**

BIO 151, 152—General Biology

BIO 165—Man and His Environment

BIO 281—General Zoology

BIO 282—General Botany

BIO 284—Microbiology

BIO 370—Cell Structure and Function

BIO 472—Genetics

BIO 481—Animal Physiology or

BIO 460—Plant Physiology

Biology: Additional courses to meet the minimum requirements of 50 quarter hours in Biology

Chemistry, Physics, Earth-Space Science - 15 quarter hours in each of two areas

### **Chemistry Emphasis**

CHE 151, 152—General Inorganic Chemistry or CHE 181, 182—General Chemistry

CHE 183—General Organic Chemistry

CHE 262—Quantitative Analysis

CHE 380—Introduction to Biochemistry

Chemistry: Additional courses to meet the minimum requirements of 50 quarter hours in Chemistry

Biology, Physics, Earth-Space Science - 15 quarter hours in each of two areas

### **Earth-Space Science Emphasis**

GLY 151, 152—General Geology

PHS 152—General Astronomy

GLY 165—Principles of Environment Geology

GGY 350—Physical Geography

GLY 351—Elementary Crystallography and Mineralogy, or GLY 451 Invertebrate

Paleontology, or GLY 561 Introduction to 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, or ECO 250, 251 or 260 ..... 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

**SPEECH 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 Speech (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
- CAT 257—Introduction to Theater
- CAS 251—Fundamentals of Public Speaking
- CA 252—Introduction to Human Communication
- Advisor Approved Electives from Areas I, II or III of the Core Curriculum ..... 5 hours
- HTH 131 and four hours of physical education activity courses ..... 7 hours
- Professional Education - 33 hours
- FED 361—Educational Psychology .... 5 hours
- EXC 450—Identification and Education of Exceptional Students in the Regular Classroom ..... 5 hours
- SED 355—Methods for Teaching Secondary Language Arts ..... 5 hours
- SED 454—Secondary School Curriculum ..... 5 hours
- EDT 430—Instructional Technology for Middle and Secondary Schools .... 3 hours
- SED 491—Student Teaching ..... 15 hours
- Specialized Content for Teaching - 50 hours
- RDG 560—Reading Strategies for Middle and Secondary Schools ..... 5 hours
- CAT 131—Stagecraft ..... 3 hours
- CAS 342—Discussion ..... 4 hours
- CAS 254—Voice and Diction ..... 5 hours
- CAT 336—Play Directing ..... 3 hours
- CAS 341—Oral Interpretation ..... 4 hours
- CAS 343—Argumentation and Debate .. 4 hours
- CAS 444—Communication Theory ..... 4 hours
- CAS 443—Semantics ..... 4 hours
- Practicum (CAT, CAB, CAS) ..... 5 hours
- Electives in Communication Arts ..... 9 hours
- Electives ..... 8 hours

**SPECIAL EDUCATION FOR EXCEPTIONAL CHILDREN MAJOR**

This program requires a minimum of 190 quarter hours in required courses and approved

electives and leads to the Bachelor of Science in Education degree and the Georgia Level Four Exceptional Child (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-28 hours
- FED 361—Educational Psychology ..... 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 ..... 13-15 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 Enterprise ..... 5 hours
- PM 250—Graphic Art Technology I ..... 5 hours
- TD 130—Technical Drafting ..... 3 hours
- TD 220—Computer Drafting ..... 2 hours
- TED 250—Introduction to Technology Education ..... 5 hours
- Specific Teaching Field - 45 hours
- IET 452—Introduction to Robotics ..... 5 hours
- MFG 350—Industrial Processes & Materials ..... 5 hours
- MFG 352—Metal Machining ..... 5 hours
- MFG 354—Energy/Power Systems ..... 5 hours
- MFG 356—Electrical Technology ..... 5 hours
- PM 356—Desktop Publishing ..... 5 hours
- TED 350—Lab Design, Management, Maintenance ..... 5 hours
- TED 452—Materials & Methods of Construction ..... 5 hours
- TED 457—General Technology for Technology Education Teachers ..... 5 hours

**TRADE AND INDUSTRY MAJOR HEALTH OCCUPATIONS EMPHASIS/ TECHNOLOGY EMPHASIS**

This program requires the completion of a minimum of 190 hours in required courses and approved electives and leads to the Bachelor of Science in Education degree and the Georgia

Level Four Trade and Industry Professional Certificate. There are two emphases within the Trade and Industry major - health occupations and technology. Each emphasis area prepares students to teach in secondary and post-secondary institutions. A great deal of flexibility exists within both emphases so that needs of individual students and hiring institutions can be considered.

**General Requirements:**

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

SED 350—Methods for Teaching Trades and Industry ..... 5 hours

SED 454—Secondary School Curriculum ..... 5 hours

EDT 430—Instructional Technology for Middle and Secondary Schools .... 3 hours

TIE 491—Student Teaching ..... 15 hours

Specialized Content for Teaching - 55 hours\*

Thirty hours from:

TIE 450—Seminar in Teaching Trade and Industrial Education ..... 5 hours

TIE 451—History and Policies of Trade and Industrial Education ..... 5 hours

TIE 452—Organization and Management of Trade and Industrial Education Facilities ..... 5 hours

TIE 453—Curriculum Content of Trade and Industrial Education ..... 5 hours

TIE 460—Open-Entry for New Vocational Teachers ..... 5 hours

TIE 461—Introduction to Teaching Trade and Industrial Subjects ..... 5 hours

TIE 462—Instructional Strategies and Management Techniques in Trade and Industrial Education ..... 5 hours

TIE 463—Internship for New Vocational Teachers ..... 5 hours

TIE 464—Advanced New Teacher Institute ..... 5 hours

VED 450—Trends in Career and Vocational Education ..... 5 hours

VED 453—School Shop Safety ..... 5 hours

VED 551—Cooperative Vocational

Education Programs ..... 5 hours

SED 451—Individualizing Instruction ... 5 hours

Supervised Work Experience

(Health Occupations Emphasis)

Supervised Work Experience

(Trade and Industry Emphasis)

VED 491—Five hours each quarter for three quarters or two years of approved work experience related to trade and industry equal to 4000 work hours ..... 15 hours

Specialized Subject Matter - 25 hours

Twenty-five hours from advisor approved vocational or technical courses. Courses will fulfill the requirements of the specialized teaching areas and of the technical science.

EXC 450—Identification and Education of Exceptional Students in the Regular Classroom ..... 5 hours

\* Courses listed in Specialized Content for Teaching may be substituted in specialized subject areas when approved by advisor.

## ASSOCIATE OF APPLIED SCIENCE IN EDUCATION DEGREE PROGRAM

The purpose of the associate degree is to give persons engaged in the educational process an opportunity to become more informed about the fundamentals of their education. Most courses required may be used in meeting requirements for a BEd degree. A student may transfer up to 35 hours into the program from an approved college or university. The student must satisfy the Georgia legislative requirement, but does not have to fulfill the Regents Test requirement.

Area I - Humanities and Fine Arts - 15 hours

ENG 151, 152 ..... 10 hours

CAS 251. .... 5 hours

Area II - Mathematics and the

Natural Sciences - 15 hours

Mathematics ..... 5 hours

Ten hours science sequence

(lab or non-lab) ..... 10 hours

Area III - Social Science - 15 hours

PSC 250. .... 5 hours

SOC 150. .... 5 hours

PSY 150. .... 5 hours

ANT 151. .... 5 hours

Area IV - Courses appropriate to the student's

major, work experience credit or practicum

courses up to 15 hours under previously established practicums and competency examination. - 15 hours

The remaining courses must be in the student's concentrated area of training and approved by the advisor.

## **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: C. Bonds, M. McKenna, M. Moore,  
B. Stratton  
Associate Professors: M. Grindler, A. Hosticka,  
J. Rakestraw  
Assistant Professors: J. Barta, 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 childhood education majors with observation, planning, teaching and evaluation experiences in a classroom setting. Prerequisites: EC 460 and Admission into Teacher Education, senior standing or permission.

#### **EC 491—STUDENT TEACHING**

Student teaching is a period of guided teaching during which the student, under the direction of a cooperating teacher, takes increasing responsibility for leading the school experiences of a given group of learners over a period of consecutive weeks and engages more or less directly in many of the activities which constitute the wide range of a teacher's assigned responsibilities. Prerequisites: Completion of teaching field and admission to student teaching.

#### **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: L. Bonds, 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 and FED 260.

### **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, H. Pool,

M. Richardson

Associate Professors: L. Bjork, F. Brocato,

K. Clark, S. Jenkins

Assistant Professors: C. Douzenis, E. Downs,

B. Griffin

Instructor: J. Bedell, S. Bonham, L. Brown

### **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 instruc-

tional 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.

**DEPARTMENT OF MIDDLE GRADES AND SECONDARY EDUCATION**

M. Allen, Acting Chair

Professors: P. Bishop, F. Page, J. Strickland, J. Van Deusen

Associate Professors: M. Allen, B. EilLaissi, R. Stevens

Assistant Professors: N. Adams, M. Schriver, J. Stephens, C. Stewart, D. Thomas,

Instructor: V. Cole, E. Hall, B. McKenna, N. Marsh

**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: FED 251, FED 260, MG 452, and admission into Teacher Education.

**MG 452—NATURE AND CURRICULUM NEEDS OF MIDDLE SCHOOL LEARNERS**

A study of the organization, curriculum and instruction patterns present in the middle grades, with emphasis on the growth and development needs of early adolescents. Topics will include foundation issues, school organization patterns, teacher roles, instructional delivery systems and special programs for early adolescents. This course includes a full, one school day field component in the form of a shadow study. 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 organization, 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: FED 251, FED 260, 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: FED 251, FED 260, 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: FED 251, FED 260, MG 452, 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: FED 251, FED 260, 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, FED 251, FED 260, 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: FED 251, FED 260, MG 451, 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: FED 251, FED 260, MG 452, and admission into Teacher Education.

**MG 591—SPECIAL TOPICS IN MIDDLE GRADES**

A study of current trends and issues in middle grades education. The focus of the course will be tailored to meet the needs of pre-service teachers.

**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: FED 251, 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: 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**

J. Bergin, Chair

Professors: J. Bergin, A. Chew

Associate Professors: C. Alexander, E. Brown, S. Heggoy, N. Lanier, R. Martin

Assistant Professors: R. Carroll, D. Grant, D. Hammitte, L. Hemberger, M. Jackson, J. Robinson, L. Spencer

Instructors: B. Wasson, V. Zwald

#### **CED 451—GUIDANCE IN CAREER EDUCATION**

This course concentrates on group guidance in career understanding. It includes learning how to assist students in planning, competing and evaluating career educational progress on an individual basis; and methods in establishing simulated and/or real work experience programs.

#### **CED 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, EXC 450, EXC 452, EXC 453, EXC 456, EXC 457, EXC 468, EXC 479, RDG 459, and proof of professional liability insurance.

ity 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 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 development 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.

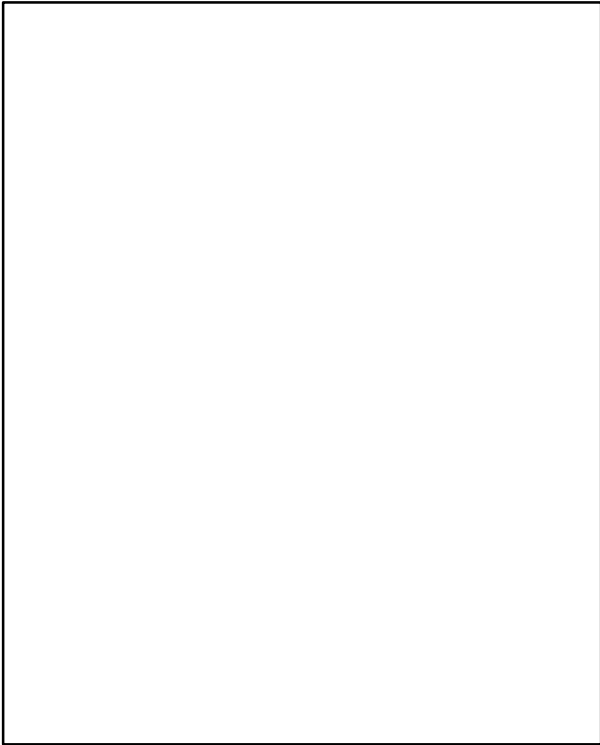
**VED 453—SCHOOL SHOP SAFETY**

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, Sport Science and Physical Education, 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. The specific functions of the College are to:

1. Prepare health education specialists who possess the knowledge and skills to serve in existing and emerging positions with government, industry, corporate entities, and in voluntary and for-profit health promotion and health care delivery organizations.
2. Prepare professionals who serve individuals and consumers in the marketplace.
3. Prepare nurses at the undergraduate and graduate levels whose education will provide a basis for the improvement of health in the rural population.
4. Prepare, in cooperation with and under the supervision of the College of Education, teachers of health education and physical education at the undergraduate and graduate levels.
5. Prepare recreation professionals who possess the management and leadership skills, technical knowledge, and environmental awareness to sustain and enhance the leisure service industries.
6. Provide a basic physical education service program and a basic health education service program for all students.
7. Carry out the mission of the regional university through a rural center for students, faculty, and communities which provides technical support for research and service projects related to rural health.

Students pursuing majors in health and fitness 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

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, Health Science Building, room 106, 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, Health Science Building, room 106, or phone (912) 681-5266.

**PRE-ATHLETIC TRAINING**  
All students who want to pursue a major in athletic training will be classified as pre-athletic training majors until they apply for and are accepted into the athletic training professional

education program. The pre-athletic training program also includes a required directed observation experience. Information, application materials, student consultations, and admission criteria may be obtained through the Department of Health Science Education office in room 106 of the Health Science Building; phone (912)-681-5266.

**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  
 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 ..... 3 hours  
**Area IV Requirements ..... 30 hours**  
 FED 251 ..... 5  
 FED 260 ..... 5  
 BIO 271 ..... 5  
 BIO 272 ..... 5

Advisor-approved electives from Areas I, II, and III ..... 10

**Professional Education Requirements ..... 35 hours**

FED 361 ..... 5  
 EMS 393 ..... 10  
 EXC 450 ..... 5  
 EMS 491 ..... 15

**Physical Education Requirements ..... 59 total hours**

**Professional Physical Education Requirements ..... 45 hours**

PE 230 ..... 3  
 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 ..... 1  
 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 .....	3
PE 331 .....	3
PE 334 .....	3
PE 335 .....	3
PE 336 .....	3
PE 432 .....	3
PE 435 .....	3

**Professional Health Education**

**Requirements ..... 25 hours**

HTH 350 and HTH 451 .....	10
HTH 550 .....	5
HTH 555 .....	5
HTH 557 .....	5

**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
<i>*Special Education Course Required by State of Georgia HB 671</i>	

**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

**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  
**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

**FOODS AND NUTRITION**

This program of study is designed to provide the educational competencies for entry-level foods and nutrition careers in commercial and private foodservice operations. The Didactic Program in Dietetics has received approval by the American Dietetic Association.

**Area IV Requirements ..... 30 hours**  
 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 ..... 51 hours**

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**

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 minimum of 190 quarter hours in required courses and approved electives and leads to the Bachelor of Science in Education degree and the Georgia Level Four Home Economics (7-12) Professional Certificate.

**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.*

**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 ..... 12- 20

Students in this program are encouraged to add the Business minor as outlined in this catalog (see Minors-General Information section).

**BACHELOR OF SCIENCE IN HEALTH SCIENCE**

**COMMUNITY HEALTH AND HEALTH & FITNESS PROMOTION MAJORS**

This degree program offers the student the choice of four majors: Community Health, Health and Fitness Promotion and Athletic Training 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.

**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**

- STA 255 ..... 5
- SOC 150 or PSY 151 ..... 5
- STA 256 ..... 5
- BIO 271, 272, & NFS 251 ..... 15

**Requirements Specific to Health**

**And Fitness Promotion & Community**

**Health Majors ..... 34 hours**

- One 5 hour upper level Psychology course ..... 5
- BIO 284 ..... 5
- FCS 371 ..... 5
- NUR 322 ..... 2
- HTH 321 ..... 2
- HTH 550 ..... 5
- HTH 555 ..... 5
- HTH 557\* ..... 5

\* Prerequisite Required

**Requirements Specific to Health And Fitness**

**Promotion Major ..... 30 hours**

- PE 354 ..... 5
- PE 551 ..... 5
- PE 554 ..... 5
- PE 555 ..... 5
- HTH 350 ..... 5
- HTH 451 ..... 5

**Other Electives and Requirements ... 35 hours**

- PE 328 ..... 2
- PE 561 ..... 5
- Free Electives ..... 13
- Senior Practicum ..... 15

**Requirements Specific to Community Health**

**Major ..... 24 hours**

- NUR 445 ..... 4
- HTH 451 ..... 5
- HTH 350 ..... 5
- SOC 365 ..... 5
- PSY 373 ..... 5

**Other Electives and Requirements ... 40 hours**

- Major Electives ..... 15 hours
- PSC 362 ..... 5
- SOC 452 ..... 5
- SOC/ANT 457 ..... 5
- SOC 467 ..... 5
- MED 461 ..... 5
- MKT 470 ..... 5
- Free Electives ..... 10 hours
- Senior Practicum ..... 15 hours

**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 Sport Science and Physical Education. Students desiring to major in Sport Management should consult the Department of Sport Science and Physical Education 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 ..... 5
- SOC 150 or PSY 150 ..... 5
- CIS 251\* or STA 256 ..... 5
- ENG 271, ACC 260\*, CA 250\*, SM 250\*  
BIO 271, 272, NFS 251 ..... 15

\* Area IV requirements specific to Sport

Management

**Sport Management Core ..... 30 hours**

- SM 351 ..... 5
- SM 451 ..... 5

SM 454 ..... 5  
 SM 456 ..... 5  
 SM 550 ..... 5  
 REC 453 ..... 5  
**Business Core ..... 30 hours**  
 ACC 260 ..... 5  
 ECO 260 ..... 5  
 MKT 350 ..... 5  
 MGT 351 ..... 5  
 FIN 351 ..... 5  
 LST 352 ..... 5  
 Areas of Emphasis (Select one: 20 hours)  
**Sport Administration**  
 SM 450 ..... 5  
 SM 452 ..... 5  
 SM 453 ..... 5  
 SM 551 ..... 5  
 PE 554 ..... 5  
 PE 558 ..... 5  
**Sport Promotion**  
 CAP 340 ..... 4  
 CAP 342 ..... 4  
 CAP 440 ..... 4  
 MKT 351 ..... 5  
 MKT 352 ..... 5  
 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  
 HTH 557 ..... 5

**Medical Technology course work to be taken at Armstrong State College ..... 76 hours**

**TOTAL HOURS ..... 205**

**BACHELOR OF SCIENCE IN HEALTH SCIENCE**

**ATHLETIC TRAINING MAJOR**

The major in athletic training is offered through the Department of Health Science Education; 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 athletic training**

program is based on selected criteria related to GPA, coursework completed, application quality, previous experience and certifications. Students must be admitted into the athletic training program prior to enrollment in the Athletic training major courses. Application materials and criteria are available from the Department Chair, Department of Health Science Education. All students who want to pursue a major in athletic training will be classified as pre-athletic training majors until they apply for and are accepted into the athletic training professional education program.

The athletic training major at Georgia Southern University is a three year program typically beginning in the sophomore year.

Minimally, athletic training clinical experiences require 5-8 hours per week for pre-athletic training students and 12-15 hours for first through third year students. Over the course of the three year program each student will be required to accumulate a minimum of 1500 clinical hours which include day, evening, and weekend hours and are uncompensated.

**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 2.50 adjusted GPA is required on all college level work for admission to the BSN program. 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 Requirements ..... 30 hours**

BIO 271 ..... 5  
 BIO 272 ..... 5  
 BIO 284 ..... 5  
 SOC 150 or PSY 150 ..... 5  
 NUR 251 and 252 ..... 10

**Professional Nursing Requirements . 90 hours**

NUR 330, 322, 323 ..... 7  
 NUR 341, 342, 343 ..... 12  
 NUR 351, 352, 353 ..... 15  
 NUR 355, 391 ..... 12  
 NUR 421, 423 ..... 4  
 NUR 456, 457, 458 ..... 15  
 NUR 441, 443, 463 ..... 13  
 NUR 445, 447, 448 ..... 12

**Other Requirements and Electives ... 21 hours**  
 NFS 252 ..... 5  
 SOC/ANT 457 ..... 5  
 HEC/FCS 371 ..... 5  
 HTH 320 ..... 2  
 Physical Education Activity Courses ..... 4

**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 of Nursing students plus have proof of a current Georgia RN license or proof that they have applied for the license.

**GENERAL EDUCATION REQUIREMENTS**

Core Curriculum Areas I, II, and III ..... 60 hours

**Area IV Requirements ..... 30 hours**

BIO 271 ..... 5  
 BIO 272 ..... 5  
 BIO 284 ..... 5  
 SOC 150 or PSY 150 ..... 5  
 Nursing 251 and 252 ..... 10

**Professional Nursing Requirement ... 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 550 or 556 ..... 5  
 NUR 495 ..... 2 to 5 hours

**Other Requirements and Electives ... 21 hours**

NFS 252 ..... 5  
 SOC/ANT 457 ..... 5  
 HEC/FCS 371 ..... 5  
 HTH 320 ..... 2  
 Physical Education Activity Courses ..... 4

**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

**COURSE DESCRIPTIONS**

**COLLEGE OF HEALTH AND PROFESSIONAL STUDIES**

Dr. Frederick K. Whitt, Dean

**DEPARTMENT OF FAMILY AND CONSUMER SCIENCES**

Dr. John J. Beasley, Chair

Professors: J. Beasley, B. Lane (Emerita)

Associate Professors: D. Cone, S. Ladki,

J. Kropp, D. Pearce

Assistant Professors: E. Brown, S. Darrell,

C. Doxy, 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, construction and care of clothing. Experiences in the newer methods of construction and fitting. Two lectures, six laboratory hours weekly.

**AD 350—PRINCIPLES OF TEXTILE/ 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.

**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 College. Students who apply for the preceptorial must agree to work for the entire quarter, 5-15 hours credit. This course does not substitute for a post-graduate American Dietetic Association Accredited Internship. Prerequisites: NFS 456, 457, 458 and consent of 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 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 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. 5-15 hours credit.

#### **HEC 580—PROMOTIONAL TECHNIQUES**

Materials and techniques applicable to the major's professional performance.

#### **HEC 599—SELECTED TOPICS IN HOME ECONOMICS**

### **HOME ECONOMICS EDUCATION**

#### **SED 352—METHODS FOR TEACHING HOME ECONOMICS**

An introduction to various methods and materials for teaching Home Economics in the school. 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 build-ings. 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 finishings 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 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, cashing, and revenue controls. Prerequisites: MAT 151; NFS 151; NFS 253; NFS 326; RHI 153 or permission of instructor.

**RHI 355—RESTAURANTS, HOTELS, AND INSTITUTIONS FACILITIES DESIGN AND MAINTENANCE**

Provides a general analysis of all the phases involved in the planning, execution, and maintenance of a Hotel or Restaurant. Emphasis will be placed on the preplanning stage of design development, blueprint information, installation factors, fire/safety code regulations, environmental controls, and facility maintenance. Prerequisite: For RHI majors only.

**RHI 357—INSTITUTIONAL HOUSEKEEPING**

Considers the relationship of management science to professional housekeeping. Develops conceptual planning skills for house breakout, staffing considerations, scheduling and material use. Explores techniques of hiring and training housekeeping employees. Investigates need for

documentation, planning computers, communication, security, safety and human resource management skills in executive housekeeping. Prerequisites: RHI 153 and RHI 456.

**RHI 451—MARKETING AND SALES IN RESTAURANTS, HOTELS AND INSTITUTIONS**

Analysis of the marketing perspective in the hospitality industry. Segmentation, consumer preference, distribution and marketing methods are examined. Identifies the marketing plan and the role of marketing and sales and determines marketing operations and research.

**RHI 456—PURCHASING FOR RESTAURANTS, HOTELS AND INSTITUTIONS**

Study of needs, procurement, storage, cost control, inventory management and computer use in relation to control of quality and financial management for restaurants, hotels and institutions. Emphasis on establishment and implementation of the 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.

**RESOURCE MANAGEMENT AND EQUIPMENT**

**HEC 438—RESOURCE MANAGEMENT THEORY**

Analyzes use of resources in the management process; applies principles of management, decision-making and human relationships to a variety of individual and family settings, ranging from the traditional to the handicapped.

**HEC 486—FAMILY ECONOMICS AND PERSONAL FINANCE**

Considers the consumer in American society; management of family financial resources, legal protection and consumer responsibility in the marketplace.

**HEC 488—RESOURCE MANAGEMENT LABORATORY**

Resource management principles are applied in simulated residential environments. Relates management principles to specific individual

and familial conditions. Advance registration with Division Director required. Students pay campus housing fee and meal plan is designated by instructor. Requires 2.0 GPA for admission and a minimum of 135 hours credit toward the major. Prerequisites: FCS 271; IDH 385; NFS 151, 351, 352; HEC 457, 486.

## **FASHION MERCHANDISING**

### **FM 260—CLOTHING AND CONSUMER BEHAVIOR**

A study of the aesthetic, economic, and 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 366—TEXTILE ARTS**

A study of both antique and current textile arts including needlework, quilting, fabric decoration and trends in machine production. Emphasis on personal skill development. Field trips and guest lecturers. Prerequisite: AD 168 or consent of instructor.

### **FM 399—SELECTED TOPICS IN FASHION**

## **MERCHANDISING**

This course is scheduled on an infrequent basis to explore special areas in fashion merchandising and will carry a subtitle.

### **FM 491—INTERNSHIP IN FASHION MERCHANDISING**

Supervised work-study program in a fashion related business selected by the student and 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 admission may participate. Prerequisite: FM 360 or consent of instructor.

## **DEPARTMENT OF HEALTH SCIENCE EDUCATION**

David Foulk, Chair

Professor: D. Foulk

Associate Professor: F. Radovich

Assistant Professors: J. Anderson, L. Bryant,

J. Chopak, D. Hamilton, M. Ludwig, L. Wolfe

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 and Fitness 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 admis-

sion 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 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 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 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.

#### **HTH 557—HEALTH PROMOTION PLANNING AND RESEARCH**

This course is designed to give an overview of lifestyle patterns and problems. Lectures and small group discussions are topically oriented, and will provide opportunity for learning skills in decision making and behavior change. Prerequisite: HTH 350.

#### **ATHLETIC TRAINING 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 programs 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. Pre-

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: M. Coleman, K. Herth

Associate Professors: J. Alberto, G. Bechtel,

C. Hanson, E. Hapshe, D. Hodnicki, K. Koon,

A. Scott C. Simonson

Assistant Professors: S. Abbott, P. Collins,

E. Emerson, A. Garrigues, B. Hamilton,

E. Hilde, K. Hutchinson, W. Loftin,

C. Shriver, B. Talley

Instructors: A. Anomolu, G. Burke, A. Rushing,

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 13 quarters of full time study. Coursework includes 101 credit hours of general education and support courses and 100 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 2.5 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 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 in-



cluding separate Health Form.

5. Maintained an adjusted GPA of 2.5.
6. Purchased liability insurance (group policy available).

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.

**NUR 251—INTRODUCTION TO NURSING ROLES AND FUNCTIONS**

An introduction to the conceptual framework of nursing at Georgia Southern, a survey of client systems, beginning nursing skills with an emphasis on the aged adult. Prerequisites: CHE 171, 172 and BIO 271. Corequisites: BIO 272 and NFS 252.

**NUR 252—INTRODUCTION TO NURSING ROLES AND FUNCTIONS II**

Continued emphasis on the fundamental skills necessary to screen and assess clients, promote health and maintain wellness. Beginning nursing interventions using clients in gerontological and acute surgical settings. Prerequisite: NUR 251. Corequisite: BIO 284

**NUR 322—NURSING TOOLS 1: COMMUNICATION**

Focuses on communication including self-awareness, communication skills in self and others, theories of assertiveness, transactional analysis, conflict resolution and values clarification and the influence of culture on communication. Analysis of communication patterns within groups is related to goals, roles, leadership styles and developmental processes. Prerequisites: Level 1 nursing courses, NUR 351, 341, and 321. Corequisites: NUR 352 and 342 or permission of instructor.

**NUR 323—NURSING TOOLS 2: CARING**

Caring, the central concept of nursing, will be analyzed and developed as the basis of all nursing care. The stages and behaviors specific to and the factors that influence caring are explored. Nurse caring relationships will be compared to other caring relationships. Techniques of caring for self and others. Prerequisites: Level 1 nursing courses, NUR 351, 341, 321, 352, 342 and 322. Corequisites: NUR 353, 343 or permission of the instructor.

**NUR 330—THE NURSE'S ROLE IN PROMOTING HEALTH AND WELLNESS**

The major foci of the course are factors that promote wellness and the nurse's role in health promotion, disease prevention, and health protection. This course supports nursing theories that view persons' health as being integral with their environments.

**NUR 341—NURSING THE EXPANDING FAMILY, PRACTICUM**

Content is correlated with NUR 351, Nursing the Expanding Family; focuses on the normal healthy, perinatal expanding family. Students assess, plan, implement, and evaluate nursing care of selected individuals and families. Practicum settings: homes, community hospitals, public health departments and physicians' offices. Prerequisites: Level I nursing courses and HTH 320. Corequisites: NUR 351 and 321.

**NUR 342—NURSING PROBLEMS I, PRACTICUM**

The practicum corresponds to NUR 352 and provides clinical experiences in acute care community hospitals, clinics and psychiatric-mental health facilities. Client systems include individuals of all ages and their families. Prerequisites: Level I Nursing courses, NUR 351, 341 and 321. Corequisites: NUR 352 and 322.

**NUR 343—NURSING PROBLEMS II, PRACTICUM**

The practicum corresponds to NUR 353 and provides clinical experiences in acute care community hospitals, clinics and psychiatric-mental health facilities. Client systems include individuals of all ages and their families. Prerequisites: NUR 352, 342 and 322. Corequisites: NUR 353 and 323.

**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.

**NUR 351—NURSING THE EXPANDING FAMILY**

Focus of this course is on promotion of health of the normal perinatal expanding family. Theories of family development are explored with emphasis on health assessment, promotion, and maintenance. The normal aspects of the four trimesters of pregnancy, parenting, family developmental tasks and health education are examined. Prerequisites: Level I courses. Corequisites: NUR 341 and 321.

**NUR 352—NURSING PROBLEMS I**

Focus of course is the concept of illness and the impact of illness and hospitalization on the individual and family. Includes common manifestations of illness and nursing responses to these manifestations. Content includes the roles and functions of the nurse in relation to ill clients. Prerequisites: Level I Nursing courses and NUR 351, 341 and 321. Corequisites: NUR 342 and 322.

**NUR 353—NURSING PROBLEMS II**

Focuses on the nursing care given in response to health problems related to lifestyle, fluid and electrolyte, energy and self-image problems. Prerequisites: Level I Nursing courses, NUR 352 and 342 and 322. Corequisites: NUR 343 and 323.

**NUR 355—URBAN TERTIARY NURSING PRACTICUM**

Provides practicum in an urban tertiary health center focusing on clients with acute multi-system problems. Students apply the nursing process and nursing skills with clients with acute multi-system problems. Prerequisites: NUR 342, 343, 322 and 323. Corequisite: NUR 391.

**NUR 391—URBAN TERTIARY NURSING**

Content, which is correlated with Nursing 355, is derived from nursing care responsive to problems and manifestations related to urbanization, shock and pain, disturbed sensorium, oxygenation, and lifestyle changes. Prerequisites: NUR 352, 353, 322 and 323. Corequisite: NUR 355.

**NUR 399—SELECTED TOPICS IN NURSING**

Study of selected nursing topics. Course credit varies from 1-5 credit hours.

**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 321, 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.

**NUR 441—RURAL PRIMARY CARE NURSING PRACTICUM**

Practicum corresponding to NUR 456. Clinical experiences will be provided in rural community health care settings such as clinics, health departments, home health agencies, field trips, industries, health fairs, etc. Client systems will include individuals, families and communities. Prerequisite: Second level nursing. Corequisites: NUR 456 and 421.

**NUR 443—NURSING PEOPLE AT RISK PRACTICUM**

Guided experiences in various community agencies will be arranged for the student. Students will provide care to individuals, families, and

groups of clients at risk. Assessments of variables that place clients at risk will be utilized in planning and implementing care. Therapeutic nursing interventions will focus on reducing risk factors that contribute to health problems of clients. Corequisites: NUR 457 and 448.

**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 321, 322, 323 and 421 or permission of the instructor.

**NUR 456—RURAL PRIMARY CARE NURSING**

Introduces the student to community health and the role and functions of the nurse in rural community health settings. Content focuses on the family and community as a client system. Prerequisite: Second level nursing course. Corequisites: NUR 441 and 421.

**NUR 457—NURSING PEOPLE AT RISK**

This course explores health problems or experiences that place client systems at risk and the possible nursing problems that result. At risk clients such as high-risk pregnant females and infants, children, adults, and aged will be studied. Variables will be analyzed that place client systems at risk. Prerequisite: Permission of the instructor or senior standing.

**NUR 458—NURSING MANAGEMENT AND INTERDISCIPLINE COLLABORATION**

Leadership and management in an interdisciplinary environment including leadership skills, management techniques, change strategies, burnout and techniques for self-renewal, reducing professional shock in the transition to graduate nurse status. Prerequisites: Second level nursing, NUR 421, 448, 445, 446, 456, and 457. Corequisites: NUR 447 and 463.

**NUR 463—NURSING MANAGEMENT AND INTERDISCIPLINE COLLABORATION, PRACTICUM**

Practicum corresponding to NUR 458. Experiences as leader-coordinator with secondary and tertiary settings. Prerequisites: second level nursing, NUR 421, 448, 423, and 445. Corequisites: NUR 441 and 443.

**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

Assistant Professors: L. Blankenbaker, I. Oh,  
J. Bigley, L. Mutter

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—FACILITIES PLANNING**

Introduces the student to methods currently used to predict recreation demand, utilization of demand projections in long-range master planning and the relationship between master plans and specific site development projects.

**REC 453—PUBLIC RELATIONS**

Provides an understanding of the concepts and techniques of effective public relations for the promotion of public recreation services.

**REC 454—INTRODUCTION TO THERAPEUTIC RECREATION**

Provides an introduction to the field of therapeutic recreation services, with emphasis on the delivery of appropriate leisure services to individuals with special needs in clinical, transitional and community settings.

**REC 455—THERAPEUTIC RECREATION PROGRAMMING**

Clinical Setting. Provides an in-depth study of the principles and procedures of therapeutic recreation program development, design, implementation and evaluation.

**REC 456—SPECIAL PROBLEMS IN THERAPEUTIC RECREATION SERVICES**

An in-depth examination of special problems in the field of therapeutic recreation services. Areas studied include establishing professional service relationships with clients, conducting individualized diagnostic assessments and evalu-

ations 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. Additional emphasis on research, promotion, and customer satisfaction group projects working with tourism boards and commercial REC 352.

#### **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 pro-

fessional 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 SPORT SCIENCE AND PHYSICAL EDUCATION**

C. Hardy, Chair

Professors: J. Blankenbaker, P. Cobb, D. Cotten,

S. Gallemore, C. Hardy, W. Spieth, F. Whitt

Associate Professors: J. McMillan,

Assistant Professors: G. Floyd, W.K. Guion,

B. Joyner, M. Li, L. McCarthy, D. Ramsey,

J. Stallings, D. Zwald

Instructor: K. Pruitt

The Department of Sport Science and Physical Education 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 and sport management. 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 meets 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 meets 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 intramural 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.

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.

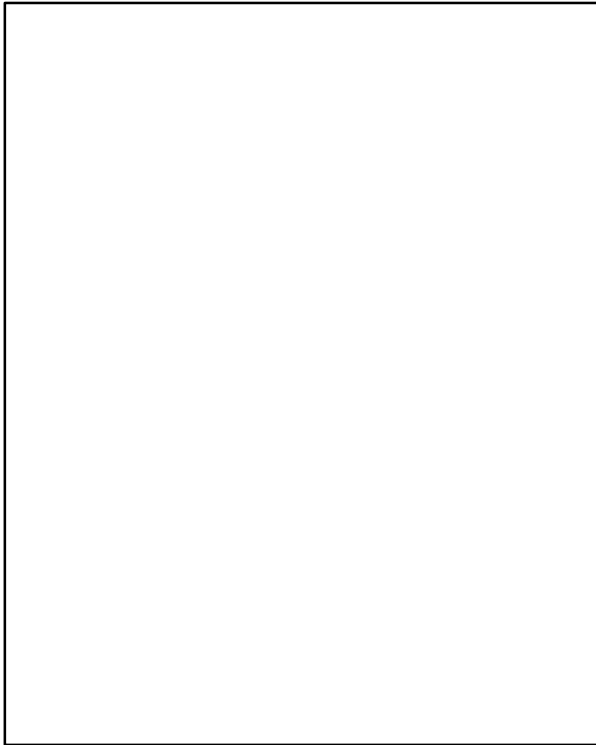
## THE CENTER FOR RURAL HEALTH AND RESEARCH

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 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.



**ALLENE. 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 Phys-  
ics or Physics 261, 262, 263—General Col-  
lege 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 offers the Bachelor of Science degree in Biology, Chemistry, Civil Engineering Technology, Construction, Electrical Engineering Technology, Industrial Engineering Technology, Manufacturing, Mathematics, Mechanical Engineering Technology, and Printing Management.

### 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 490—Directed Study  
 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
- TD 150—Technical Drafting I
- Mathematics 350—Differential Equations
- One computer programming course
- Forty hours upper-division physics approved by advisor of which 25 hours must be:
- Physics 451—Modern Physics
- Physics 557—Quantum Mechanics

Physics 561, 562, 563—Fundamentals of Classical Physics

**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	MAT 152	MAT 166
<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	TD 220	PHY 252 or 253
MAT 167	PHY 252 or 253	253
ES 231	ES 251	ES 253
	ENG 251, 2 or 3	CET 351
	PE Activity	PE Activity

**3rd Year**

<i>Fall</i>	<i>Winter</i>	<i>Spring</i>
ES 252	ES 354	Core 1 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).

**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

*ENG 271—Technical Writing and Presentation .....	5 hours
*GLY 151—General Physical Geology ..	5 hours
*STA 255—Statistics Using the Computer I .....	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
MGT 351—Management and Organizational Behavior .....	5 hours
Unrestricted Free Elective .....	5 hours
Approved upper-division electives 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 and the required ten hours of approved 300-400 level major electives 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 PROGRAM 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	PEA
	PEA	

**2nd Year**

<i>Fall</i>	<i>Winter</i>	<i>Spring</i>
PHY 252	BCC 240	BCC 251
STA 255	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
ECC 260	BCC 342	BCC 332
BCC 341	MGT 351	BCC 333
Elective		BCC 351

**4th Year**

<i>Fall</i>	<i>Winter</i>	<i>Spring</i>
BCC 410	BCC 443	BCC 453
BCC 440	BCC 441	BCC 454
BCC 444	BCC 431	LST 252
BCC 343	BCC 452	BCC 433

Business Elec.

**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>
MAT 151	MAT 152	MAT 166
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>
MAT 167	MAT 264	EET 210
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>
EET 350	HTH 131	EET 456
ENG 271	EET 353	EET 462
ES 231	EET 351	EET or Tech
	IET 481	Elect (3)

**4th Year**

<i>Fall</i>	<i>Winter</i>	<i>Spring</i>
EET 458	EET 465	ES 351
EET 420	EET or Tech	EET or Tech
EET 451	Elect EET or	Elect EET or
EET 354	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 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 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
- MGF 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>
MAT 151	MAT 152	MAT 166
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>
MAT 167	ES 251	ENG 271
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>
IET 333	ES 351 or 253	ES 252
ES 355	IET 454	ENG 251/2/3
IM 352	Area III Elect	IET 352
PE Activity		

**4th Year**

<i>Fall</i>	<i>Winter</i>	<i>Spring</i>
IET 455	MFG 350	IET 450
IET 481	IET Elect	MGT 355
IET 451	Tech elective	IET Elect
IET Elective		

required in each of the courses used to satisfy Area IV and Specific Requirements.

- (\*) Designates Area IV Requirement
- \*TD 150 or TD 130 & TD 220— Technical Drawing ..... 5 hours
- \*ENG 271—Technical Writing ..... 5 hours
- \*CHE 171—General Chemistry/Lab ..... 5 hours
- \*CIS 251—Intro. to Comp. Info. Systems 5 hours
- \*ACC 260—Survey of Accounting(2) ... 5 hours
- \*ECO 260—Basic Economics(2) ..... 5 hours
- MFG 150—The Manufacturing Enterprise ..... 5 hours
- MAT 152—Trigonometry ..... 5 hours
- PHY 251, 252—College Physics/Lab .. 10 hours
- MAT 255—Statistics ..... 5 hours
- CAS 251 or 252—Speech ..... 5 hours
- 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

**BACHELOR OF SCIENCE IN MANUFACTURING**

**APPAREL MANUFACTURING MAJOR**

The Apparel Manufacturing program prepares students for careers in managerial, supervisory and administrative positions. Students can anticipate entering leadership roles requiring specialized technical and computer knowledge in addition to a strong background in humanities and industrial management. The Apparel Manufacturing minor is for individuals seeking professional positions in the Apparel Manufacturing Industry.

**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.

**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

**NOTES:**

1. An optional business minor can be earned by taking MKT 350 Principles of Marketing (5 hours), MGT 351 Principles of Management (5 hours) and ten hours of approved upper division business electives.
2. ACC 260 and ECO 260 must be taken as prerequisites to an elective business minor. The 300-400 level business courses will not be allowed in the minor if taken ahead of ACC 260 and ECO 260.
3. These ADM courses will be taught by the Department of Industrial Technology.



**SUGGESTED APPAREL MANUFACTURING PROGRAM CHRONOLOGY**

**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 150	MAT 152	PSY 251
PE	PE	HTH 131

**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 260	IM 351	PE
	ECO 260	

**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	ACC 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 in the Bachelor of Science in the Manufacturing degree program prepares the student for a professional career in supervising and managing the production phase of the manufacturing industries. Coordinating the work system involving scientists, engineers and craftsmen is the primary responsibility of this occupational area. Directing people, materials and machines in efficient production is another responsibility.

**GENERAL EDUCATION REQUIREMENTS**

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, chem-

istry 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 150 or TD 130

& TD 220—Technical Drawing ..... 5 hours

\*ES 231 or CIS 251—Digital Computation

or Intro. to Computer Systems ..... 5 hours

\*ACC 260 (1)—A Survey of Accounting .. 5 hours

\*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 550—Ergonomics ..... 5 hours

MFG 150—The Manufacturing

Enterprise ..... 5 hours

MFG 350—Industrial Processes

and Materials ..... 5 hours

MFG 352—Metal Machining ..... 5 hours

MFG 354—Energy/Power Systems ..... 5 hours

MFG 356—Electrical Technology ..... 5 hours

MFG 360—World Class Manufacturing 5 hours

MFG 450—Computer Aided

Manufacturing ..... 5 hours

Technical Electives ..... 10 hours

Minimum ..... 190 hours

Optional business minor

The Industrial Management student can earn a

minor in business with ACC 260, ECO 260,

MGT 351, MKT 350 and 10 hours of upper

division business electives. Both ACC 260 and

ECO 260 must be taken as prerequisites to an

elective business minor or credit will not be

allowed in the minor with 300-400 level

business courses.

Recommended technical and business electives:

- TD 231
- MFG 251
- IET 450
- IM 551
- IM 552
- IM 553

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 MAJOR 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 150	MAT 152	PSY 251
PE	PE	HTH 131

**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	IM 351	PHY 252
260		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>	<i>Winter</i>	<i>Spring</i>
MFG 450	IET 450	IM 550
IET 451	MFG 353	IM 452
IET 481	Tech elec (5)	IM 471

**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 Ac-

creditation 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 electives to make 190 hours:
- MET 452—Applications of Thermal Science II ..... 5 hours
- MET 455—Engineering Measurements . 5 hours
- MET 457—Mechanical Systems Design 5 hours
- MET 459—Vibrations ..... 5 hours
- 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>
MAT 151	MAT 152	MAT 166
ES 121	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>
MAT 167	PHY 262	ES 253
CHE 171	ENG 271	HIS 252
PHY 261	ES 251	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
ES 351	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 MAJOR**

Rapid growth in the printing industry has created many exciting career opportunities for graduates with specialized skills in printing production management. Elective areas are in printing technology-management, customer service, sales, estimating, and layout and design. The program prepares graduates for technical positions in production sales management and administration.

**DEGREE REQUIREMENTS:**

The degree program requires the fulfillment of the core curriculum and the courses listed below. At least 45 hours of approved printing management courses must be taken at Georgia Southern. A minimum of 190 hours is required for graduation.

**GENERAL EDUCATION REQUIREMENTS**

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 ..... 4 hours
- PM 350—Graphic Arts II ..... 5 hours
- PM 365—Image Preparation ..... 5 hours
- PM 432—Printing Production Systems .. 3 hours
- PM 434—Quality Control in the

- Printing Industry ..... 3 hours
- PM 451—Industrial Practicum ..... 5 hours
- PM 452—Graphic Arts III ..... 5 hours
- PM 453—Color Reproduction ..... 5 hours
- PM 455—Estimating ..... 5 hours
- PM 499—Internship (max. 10 hrs) ..... 5 hours
- IM 351—Introduction to Industrial

- Management ..... 5 hours
- MKT 350—Principles of Marketing ..... 5 hours

MKT 351—Principles of Advertising .... 5 hours  
 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 by choosing 15 or more hours from the courses listed below:

- BA 351
- MGT 345
- MGT 351
- MKT 350
- LST 252
- FIN 351

**NOTES:**

1. Courses may be used to complete Areas I, II and III requirements. However, additional technical electives may be required to satisfy degree minimum of 190 hours.
2. ACC 260 and ECO 260 must be taken as prerequisites to be an elective in the business minor. Upper level business courses will not count in minor if taken ahead of ACC 260 and ECO 260.

**SUGGESTED PRINTING MANAGEMENT PROGRAM CHRONOLOGY**

**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>
CHE 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**

<i>Summer</i>		
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 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
- 89 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 131 - Engineering Graphics (A, Ag, B, C, Ch, I, M, Mt, N, T, U) .. 3 hours

- EGR 143 - Computer & Digital Design Fundamentals(Cp, E) ..... 3 hours
- EGR 252 - Engineering Mechanics II: Dynamics (A, Ag, B, C, Cp, E, I,M, Mt, N, T, U) 5 hours
- EGR 331-2 - Elements of Electrical Engineering I, II (Cp, E, U) ..... 6 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:**

<b>1st Year</b>		
<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		
<b>2nd Year</b>		
<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.		

**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, and small unit organization. These courses have the objective of developing the student's leadership, confidence, self-discipline, integrity, and sense of responsibility. There is no service obligation or obligation to continue in Reserve Officer Training Corps as a result of taking any Basic Course classes. However, the Basic Course classes need to be taken to qualify for entrance into the 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 courses are required to attend advanced summer camp, normally between their junior and senior academic years. Students attending this camp are paid and given travel allowance from their home to camp and back.

#### **Eligibility for Advanced Course Enrollment**

For selection and retention in the advanced course, a student must have completed the basic course or received placement credit for the basic course (see paragraph below). The contracting student must be physically qualified, be an academic junior, have a GPA of 2.0 or better, and must demonstrate a potential for further leadership development.

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.

#### **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 National 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 is designed to qualify students for transfer to the Warnell School of Forest Resources in order to complete a Bachelor of Science in Forest Resources (BSFR). The University of Georgia Warnell School of Forest Resources accepts students into their forestry program only during fall and winter quarters. Only students with an overall GPA of 2.5 or above are accepted. For complete admission information contact the Office of Student Services, Warnell School of Forest Resources. 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 233 ..... 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 383 (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. David Folk, 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 Krissingner  
 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

**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, K. Maur, D. McLain

Assistant Professors: D. Drake, W. Irby, H. Lefcort, B. Moulton, A. Pratt, O. Pung, D. Rostal, S. Vives, L. Wolfe

Temporary Assistant Professors: S. Malone

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. Three lecture and four 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. Three lecture and

four 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 dealing with health and nutrition. Topics will include structure, physiology, and economic importance of microorganisms. Three lecture and four laboratory hours per week. Prerequisites: five hours of biology and CHE 172.

### **BIO 353—GENERAL ORNITHOLOGY**

An introduction to the study of birds, emphasizing field identification, classification, and life histories of Georgia species. Structural, physiological, and behavioral adaptations are also considered. Field trips required. Three lecture and four laboratory hours per week. Prerequisites: ten hours of biology. Biology 281 recommended.

### **BIO 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 450—BASIC PHYSIOLOGY**

Emphasis on understanding basic physiological principles through demonstrations and experiments suitable for the elementary and secondary grades. Prerequisites: 20 hours of science which must include at least 5 hours of mathematics.

**BIO 451—COMPARATIVE VERTEBRATE EMBRYOLOGY**

Embryonic development of the chordates with emphasis on interpretation of experimental procedures. Three lecture and four laboratory hours per week. Prerequisites: Biology 281 and 282.

**BIO 454—GENERAL ENTOMOLOGY**

Phylogeny, morphology, physiology, and ecology of insects and their relationship to man. Collection and identification of local insects are included. Two lecture and six laboratory hours per week. Credit toward the biology degree may be received for BIO 364 or BIO 454, but not for both. Prerequisites: BIO 281 and 282.

**BIO 457—PARASITOLOGY**

General principles of parasitism and the classification, morphology and life cycles of parasites of vertebrates. Three lecture and four laboratory hours per week. Prerequisites: Biology 281, 282, plus five additional hours of biology.

**BIO 460—PLANT PHYSIOLOGY**

A study of the life processes of plants with emphasis on higher plants. Two lecture and six laboratory hours per week. Prerequisites: Biology 281, 282, and 370.

**BIO 461—PLANT ANATOMY**

A study of the comparative anatomy of vascular plants. Consideration is given to cell types, tissues, and tissue systems. Prerequisites: Biology 281, 282, and 370.

**BIO 464—HERPETOLOGY**

Phylogeny, morphology, life history and ecology of reptiles and amphibians. Field identification of local species will be emphasized. Three lecture and four laboratory hours per week. Prerequisites: Biology 281 and 282.

**BIO 465—EVOLUTION**

Concepts and mechanisms of evolution including origin and history of life, variation and popu-

lation 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 will act as consultants. Internships must be approved by the head of the biology department. Limited to 15 hours credit.

**BIO 532—CYTOGENETICS**

A study of chromosomes, chromosomal aberrations, and cytological maps. Consideration is given to mitosis and meiosis as bases of genetic stability and recombination and genetics of species formation. Three one-hour lectures per week. Prerequisites: Biology 472 and 20 additional hours of biology.

**BIO 534—ENDOCRINOLOGY**

A study of endocrine mechanisms, their evolution, and their importance to various levels of biological organization. Primary emphasis is on the vertebrates. Three one-hour lectures per week. Prerequisites: Chemistry 378, Biology 481, and 20 additional hours in biology.

**BIO 535—BIOLOGICAL SYSTEMATICS**

The needs, aims, and methods of biological taxonomy will be considered. The botanical and zoological rules and methods of nomenclature will be discussed. Three one-hour lectures per week. Prerequisites: 25 hours of biology

**BIO 550—MEDICAL-VETERINARY ENTOMOLOGY**

An intensive study of the role of insects and closely related arthropods in the transmission, dissemination, and causation of diseases of man and animals. Consideration will be given to the identification of vector arthropods, the diseases for which they are responsible, arthropod survival mechanisms, the ecology of vector species, and modern vector control. Three lecture and four laboratory hours per week. Prerequisites: BIO 364, 381, or 454 and 25 additional hours of biology.

**BIO 552—GENERAL 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. Dermatophytes will also be emphasized. Three lecture and four laboratory hours per week. Prerequisites: Biology 281 and 282. Ten hours of



chemistry recommended.

#### **BIO 566—PLANT PATHOLOGY**

A detailed study of representative common plant diseases and disorders with emphasis on concepts of diagnosis, causes, epidemiology, and methods of control. Three lecture and four laboratory hours per week. Prerequisites: Biology 281 and 282.

#### **BIO 571—BIOLOGICAL MICROTECHNIQUE**

A study of basic techniques for the preparation of biological material. Two lecture and six laboratory hours per week. Prerequisites: 20 hours of biology including Biology 281 and 282.

#### **BIO 578—HISTOLOGY**

A study of the origin, development, structure and function of vertebrate tissues. Lecture and laboratory. Prerequisites: Biology 281 and 282

#### **BIO 590—ADVANCED FIELD ECOLOGY**

A field expedition involving ecological investigations of a major biome or natural area of North America. Expeditions normally require four to 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, R. Nelson

Assistant Professors: T. Deal, M. Hurst,

J. LoBue, J. Orvis, J.N. Orvis, N.Schmidt,

B. Wojciechowski

Visiting Assistant Professor: C. Whitlock

Visiting Instructors: U. Bagal, S. Glueckert,

L. Sullivan

#### **CHE 160—CHEMISTRY AND THE ENVIRONMENT**

A general course designed to familiarize the non-science major with the existing relations between fundamental aspects of chemistry and man's environment. Emphasis will be placed

upon the chemical nature and physiological effects of some materials considered pertinent to human existence as well as those considered pollutants in the environment. Topics discussed include air pollution, water pollution, drugs, plastics and nuclear power. Four lectures and one two-hour laboratory 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, 182, 183—GENERAL CHEMISTRY A**

A three-quarter sequence for science majors, stressing the fundamental principles and the quantitative aspects of chemistry. Topics considered include: atomic theory, chemical bonding, kinetic-molecular theory, solutions, kinetics, equilibria, electrochemistry, and descriptive inorganic chemistry. CHE 183 includes qualitative analysis. Four lectures and one three-hour laboratory per week.

#### **CHE 261—QUANTITATIVE ANALYSIS**

A study of the principles, techniques and calculations of quantitative determinations in volumetric and gravimetric analysis. Four lectures and one four-hour laboratory period per week. Prerequisite: CHE 183.

#### **CHE 362, 363—INSTRUMENTAL ANALYSIS I AND II**

A two-course sequence of instrumental analysis involving a study of the principles, theories and applications of chromatography, electrochemistry, spectroscopy and other techniques in modern instrumental analysis. Four lectures and one four-hour laboratory period per week. Prerequisite: CHE 261.

#### **CHE 371, 372, 373—ORGANIC CHEMISTRY**

A study of the aliphatic and aromatic series of

carbon compounds designed for the chemistry major, emphasizing relationships between structure, mechanism and reactivity. Four lectures and one four-hour laboratory period per week. Prerequisite: Chemistry 182, or consent of instructor.

#### **CHE 377, 378—ORGANIC CHEMISTRY**

A study of the aliphatic and aromatic series of carbon compounds emphasizing descriptive chemistry of functional groups. Four lectures and one three-hour laboratory period per week. Prerequisite: Chemistry 182.

#### **CHE 380—INTRODUCTION TO BIOCHEMISTRY**

A study of the intermediary metabolism of carbohydrates, lipids, proteins, and nucleic acids with emphasis upon common and regulatory pathways and upon the related functions of vitamins, hormones and minerals. Four lectures and three laboratory hours per week. Prerequisite: Chemistry 172, or consent of instructor.

#### **CHE 399—SELECTED TOPICS IN CHEMISTRY**

#### **CHE 499—SPECIAL PROBLEMS IN CHEMISTRY**

A course in which independent research problems may be undertaken with the permission of the chemistry faculty and the instructor under whose direction the student wishes to work. Not more than 5 quarter hours may be counted toward the major.

#### **CHE 521—THE LITERATURE OF CHEMISTRY**

A two-hour course in the effective use of the library resources in chemistry: journals, abstracts, reviews and other reference works of importance. Two lecture periods per week. Prerequisite: Chemistry 362, 373, or consent of instructor.

#### **CHE 522—SCIENTIFIC GLASSBLOWING**

A laboratory course designed to develop fundamental glassblowing skills required for construction of glass apparatus used in scientific investigations. Two two-hour laboratory periods per week. Prerequisite: Upper division (sophomore +) science major.

#### **CHE 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 581, 582, 583—PHYSICAL CHEMISTRY**

A three-course sequence covering fundamental principles. Chemistry 581 covers gas laws and the fundamentals of chemical thermodynamics. Chemistry 582 covers chemical and phase equilibria, electrochemical phenomena and kinetics. Chemistry 583 covers quantum chemistry, photochemistry, spectroscopy and structure (crystals, solids, macromolecules). Four lectures and one three-hour laboratory per week. Prerequisites: CHE 261, MAT 166-167, PHY 251, 252, 253 or 261, 262, 263.

#### **CHE 586, 587, 588—BIOCHEMISTRY**

A three-course sequence covering fundamental principles. Chemistry 586 is a survey of the biochemistry of proteins, carbohydrates, lipids, membranes and enzymes with emphasis on their structure and functions in major metabolic pathways. Chemistry 587 will emphasize intermediary metabolism involving a survey of the pathways of degradation and synthesis of carbohydrates, lipids, and amino acids. Chemistry 588 will emphasize nucleic acid chemistry, including replication, transcription, translation and related topics. Four lectures and one four-hour laboratory per week in CHE 586 and CHE 587. Five lectures (no lab) per week for CHE 588. Prerequisites: CHE 371, 372, 373 or CHE 377, 378.

### **DEPARTMENT OF ENGINEERING TECHNOLOGY**

R. Hanson, Chair:

Professors: S. Laskin, M. Degyansky, J. Karrh, J. Wallace

Associate Professors: R. Redderson, R. Hanson, G. Clark, V. Kouch, J. Wang, 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.

## **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 Specifi-

cation 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 indeterminate 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 Kirchhoff's Laws. Course is designed for and restricted to engineering technology majors. Non-majors may be admitted only with the instructor's approval. Four single lectures and one three-hour lab period. Prerequisite: PHYS 252, EET 210, and MAT 167.

#### **EET 351—ELECTRONICS I**

An introduction to basic solid state devices including diodes, BJT's and FET's and their applications in rectifiers, amplifiers and power supplies. Four single lectures and one three-hour lab period. 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 regulated power supplies. Four single lecture periods and one three-hour lab period. Prerequisites: EET 351 and EET 353.

#### **EET 360—RF AMPLIFIER DESIGN**

An introduction to modern techniques for RF amplifier design. The course concentrates on lumped element circuits in the frequency range 1- 1000 Mhz, RF amplifiers, oscillators and mixers, and RF receivers. Four single lecture periods and one three-hour lab period. Prerequisite: EET 351.

#### **EET 399—SELECTED TOPICS IN EET**

This course is designed to provide for study of electrical engineering technology course topics not generally offered by the department. One to 15 credits.

#### **EET 420—ADVANCED INSTRUMENTATION**

A study of various types of oscilloscopes, logic analyzers, data acquisition methods, spectrum analyzers, and instrumentation interfaces. One hour lecture and one two-hour lab. Prerequisite: EET 462 and Senior standing.

**EET 450—INDUSTRIAL ELECTRONICS**

Industrial applications of electronic devices including SCR-s, Triacs, switching circuits, timers, motor controls, and optical devices. Four single lecture periods and one three-hour lab period. Prerequisite: EET 351 and EET 353.

**EET 451—ROTATING MACHINES**

DC and AC (single and polyphase) motors and generators, energy converters and transformers. Four single lecture periods and one three-hour lab period. Prerequisite: EET 353.

**EET 452—ELECTRICAL DISTRIBUTION**

A study of electrical power distribution, primarily the National Electrical Code-residential and industrial, with emphasis on services, feeders, branch circuits, metering, voltage drops, sizing of conductors, demand limiting, etc. Four single lecture periods and one three-hour lab period. Prerequisite: EET 451.

**EET 455—ENGINEERING MEASUREMENTS**

Theory and practice of engineering measurements. Transducers, computer-aided signal acquisition, conditioning and analysis. Thermal, mechanical and fluid measurement applications, report writing. This course is cross listed with MET 455. Three single hour lectures and two double hour labs. Prerequisites: EET 350 or ES 355, and Senior standing.

**EET 456—DIGITAL CIRCUITS**

A study of basic asynchronous and synchronous logic circuits. Topics include logic functions, Boolean operations, logic families, 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 micro-processor architecture, memory, peripheral devices, interfacing and microprogramming. Four single lectures and one two-hour lab pe-

riod. 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 communication systems. Study of various types of optical fibers, laser and LED, photodiodes, optical connectors and optical systems. Five lecture periods. Prerequisite: EET 354 or permission of instructor.

**EET 490—DIRECTED INDEPENDENT STUDY**

An individualized study involving research and applications pertaining to electrical engineering technology. Credit 1-5 hours. Prerequisites: senior standing and definition of 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..

**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, automa-

tion, 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 diagrams. Four single lectures and one two-hour lab weekly. Prerequisite: CHE 171.

**MET 452—APPLICATIONS OF THERMAL SCIENCE II**

A continuation of MET 352. Air conditioning, refrigeration, and heating pump cycles. Calculations of heating and cooling loads in accordance with ASHRAE practices. Design projects are included. Four single lecture periods, one two-hour lab. Prerequisite: ES 351.

**MET 455—ENGINEERING MEASUREMENTS**

Theory and practice of engineering measurements. Transducers, computer-aided signal acquisition 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 proper-

ties 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)

Adjunct Professor: V. Henry

Associate Professors: J. Darrell, R. Petkewich,

F. Rich, K. Vance

Assistant Professors: D. Battles, M. Evans,

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.

**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, D. Ross, S. Williams

Associate Professors: L. Fine, J. Holmes, W.

Meeks, C. Perry, L. Selvidge, D. Williams

Assistant Professors: S. Altayeb, G. Duncan,

H. Mortensen, C. Parrish-Woody, A. Roe,

L. Wetherington

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, to encourage academic excellence, and to 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 empha-

sis 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 CSI 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 three parts. Part one addresses energy availability, usage and control. Part two addresses thermal flow and ventilation characteristics, air handling systems, and mechanical codes. Part three addresses 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 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. Variable credit. Prerequisites: Definition of the problem and permission of the instructor prior to the beginning of the quarter.

**GT 499—SPECIAL PROBLEMS/CO-OP**

One credit hour

**GT 599—SELECTED TOPICS IN TECHNOLOGY**

This course is scheduled on an infrequent basis to explore special areas in technology and will carry a subtitle.

**INDUSTRIAL MANAGEMENT**

**IM 351—INTRODUCTION TO INDUSTRIAL MANAGEMENT**

The development, organization and operation of manufacturing industries.

**IM 352—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—MANAGEMENT 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 332, 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. Prerequisites: IET 320, IM 471, 5 hrs. Psychology.

#### **IM 551—COMPUTER INTEGRATED MANUFACTURING**

The design and development of manufacturing processes into an integrated system for flexible control of automated production. Prerequisites: ES 231, MFG 450 or consent of instructor.

#### **IM 552—INDUSTRIAL HYGIENE**

A study of occupational health approaches for anticipating and avoiding harmful situations in an industrial environment, which may have an adverse effect on the employees health, comfort and performance. Five single lecture periods. Prerequisite: 5 hours chemistry, MFG 150 or IM 351, or IET 320, or consent of instructor.

#### **IM 553—HAZARDOUS WASTE MANAGEMENT**

This course describes hazardous waste substances and their management by combining planning, organizing and control techniques with a knowledge of generation, storing, transporting, treating, recycling and disposing of hazardous waste so potential manufacturing or industrial management problems can be solved. Regulations, legal aspects, and technical controversies surrounding today's hazardous waste management for a cleaner environment are also presented. Prerequisite: Five hours chemistry.

#### **IM 554—HUMAN RESOURCE PROTECTION**

A study of the fundamental theories, practices, and methods of protecting the human resources within the industrial work environment. Emphasis is placed on the management of a variety of protection programs including: hazard recogni-

tion 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—METAL MACHINING**

A study of metal working machine tool technology in manufacturing. Knowledge about and skill development in the machining arts of grinding, drilling, turning, milling and the related areas of meteorology, tooling and metallurgy. Three single periods and four hours laboratory. Prerequisite: TD 150.

### **MFG 353—METAL FORMING AND FABRICATION**

A study of metal forming and fabrication techniques including layout, development, bending and forming presswork, metal castings, mechanical assembly and welding. Three single periods and four hours laboratory. Prerequisite: TD 150.

### **MFG 354—ENERGY/POWER SYSTEMS**

The conversion, transmission, storage and control of energy in industry and in modern means of transportation. Three single and two double periods. Prerequisite: TD 150, Math 151.

### **MFG 355—FLUID POWER**

The principles and applications of hydraulics and pneumatics as a means of operating and controlling fluid devices and to multiply force and transmit energy. Four single and one double period. Prerequisite: Math 152, TD 150.

### **MFG 356—ELECTRICAL TECHNOLOGY**

A study of basic electrical concepts and their application. D.C. A.C. and elementary electronics topics are included. Prerequisite: Math 151. Three single and two double periods.

### **MFG 357—ELECTRONICS TECHNOLOGY**

A beginning level electronics course designed for those desiring a practical/applied knowledge of electronics such as that commonly needed in



areas of Industrial Technology, Industrial Arts and Vocational Education. Course topics stress solid state electronics devices, electronics test equipment and commonly encountered electronics circuitry. Prerequisite: MFG 356, or permission of instructor.

#### **MFG 358—WOOD TECHNOLOGY**

The kinds, nature, and properties of wood, the tools and processes common to the wood using industries. Three single and two double periods. Prerequisite: TD 150.

#### **MFG 360—WORLD CLASS MANUFACTURING**

A comprehensive study of World Class Manufacturing precepts of Just-In-Time Production, Total Quality Control, Total productive Maintenance, and Total Employee Involvement. Manufacturing systems are developed, and trail runs are conducted, and evaluated. Prerequisite: MFG 150 or permission of the instructor. Three lecture and four lab hours per week. Prerequisite: MFG 150 or permission from instructor.

#### **MFG 399—SELECTED TOPICS IN MANUFACTURING**

This course is scheduled on an infrequent basis to explore special areas in manufacturing and will carry a subtitle.

#### **MFG 450—COMPUTER AIDED MACHINING**

A study of modern industrial metal working technologies with emphasis on computer aided manufacturing, computer aided design and numerical control machining. Three single periods and four hours laboratory. Prerequisites: ES 321, MFG 352.

#### **MFG 490—MANUFACTURING PRACTICUM**

A team-taught, applied manufacturing-production course in which the student applies the concepts of efficient productivity and manufacturing. Five single periods and ten hours of laboratory. Prerequisites: ES 231, MFG 358, MFG 356, MFG 353, IM 351, and senior standing. Variable Credit.

#### **MFG 495—SPECIAL PROBLEMS IN MANUFACTURING**

Individual research in the technology associated with manufacturing. Variable credit. Prerequisites: Definition of the problem and permission of the instructor prior to the beginning of the quarter.

#### **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 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 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 350—GRAPHIC ARTS TECHNOLOGY II**

This course is a study of films, chemistry, equipment and photomechanical methods of the printing industry, including line, halftone and special effects. Three single classes and two double laboratory sessions. Prerequisite: PM 250.

#### **PM 365—IMAGE PREPARATION**

Image Preparation is a study of layout and composition techniques used in the printing industry. The specific topics include hand and mechanical processes, photo-mechanical processes, and computer generated composition (electronic

publishing). Three single classes and two double laboratory sessions.

**PM 399—SELECTED TOPICS IN PRINTING**

This course is scheduled on an infrequent basis to explore special areas in printing and will carry a subtitle.

**PM 432—PRINTING PRODUCTION**

A systematic and analytical approach to achieving an efficient production system in all areas of printing. Topics include elements of plant layout, work simplification, work measurement, and related areas. Three single periods.

**PM 434—QUALITY CONTROL IN THE PRINTING INDUSTRY**

An introduction to the technical quality control methods and systems used in the printing industry. Quality control production standards, targets, procedures and theories are included along with statistical process control methods specific to the printing industry. Three single periods. Prerequisite: PM 432.

**PM 451—INDUSTRIAL PRACTICUM**

This course is designed for direct observation and work experience with the local printing industry. The student is exposed to problems, practices, management structures and work ethics. Eight contact hours/work. Prerequisites: PM 350 Majors ONLY.

**PM 452—GRAPHIC ARTS TECHNOLOGY III**

This course is designed to introduce the student to film assemble and presswork. Topics: 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, A. Pierce, A. Sparks, D. Stone, N. Wells

Associate Professors: M. Abell, M. Aulick, A. Barbour, C. Champ,

C. Christmas (Emeritus), R. Harshbarger, R. Hathaway, C. Kariotis, E. Lavender, B. McLean, J. Rafter, L. Roberts, M. Smith (Emeritus), C. Xu

Assistant Professors: S. Boddiford, J. Braselton, B. Carter, S. Davidson, E. Hardy (Emerita), Y. Hu, X. Li, W. Lynch (Emeritus), C. Nessmith, C. Sikes, D. Stapleton, P. Watkins, R. Wells

Instructors: T. Abbott, R. Bogan, L. Braselton, D. Brown, W. Brown, J. Cason, D. Gibson, S. Lanier, S. Morris, J. O'Brien, D. Saye, G. Shultz (on leave), M. Sikes, J. Vargo, D. Westcott, L. Yocco

Temporary Instructors: A. Gleissner, C. Gonzalez, P. Goode, D. Heath, D. Hodges, M. Hoy, M. McKinnon, W. Meisel, K. Milnor, L. Olszewski

Part-time Instructors: M. Clay, J. Darley, K. Futch, L. Maddox, D. Raith, K. Scott, M. Shaw, R. Sparks, J. Strozzi

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 351—THEORETICAL FOUNDATIONS**

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/MAT 476.

#### **CSC 487—DATABASE SYSTEMS**

The fundamental concepts of database management systems (DBMS), with emphasis being given to the design and development of DBMS. Several types of systems will be studied, with primary consideration being given to relational DBMS. 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 math 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 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.

**MATH 166—ANALYTIC GEOMETRY AND CALCULUS I**

Linear Analysis 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 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 geom-

etries 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**

Four 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-Euclid-

ean 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 are offered by the Department of Physics.

A. Woodrum, Chair

Professors: M. Payne, A. Woodrum, J. Zhang

Associate Professors: L. Deng, W. Grant,

V. Hassapis (Emeritus), C. Mobley,

J. Rogers (Emeritus)

Assistant Professors: C. Dean, M. Edwards

Temporary Assistant Professor: T. Deal



**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 254—GENERAL COLLEGE PHYSICS**  
Calculus no more advanced than MAT 167 is applied to a sampling of the problems of PHY 251, 252, 253. With this course, the whole sequence of PHY 251, 252, 253 and 254 is equivalent in credit to PHY 261, 262, 263. Five lectures per week. Prerequisite: MAT through 167.

**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 256—PHYSICS FOR THE HEALTH SCIENCES**

A survey of elementary physics with applications to problems dealing with the health sciences. Topics will include forces, energy, fluid behavior, thermometry and heat, electricity, medical instrumentation, physics of vision and hearing, and radiation. Four lectures and two hours of laboratory per week.

**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 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 elec-

tronic 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, Temporary 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 131—INTRODUCTION TO VISUAL COMMUNICATION AND DESIGN**

The objectives of this course are to teach the principles of graphic expression and the use of

computer-aided drafting and design (CADD). Two single lecture periods and one three-hour lab period. (EGR 1170)

**EGR 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 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

**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 331—ELEMENTS OF ELECTRICAL ENGINEERING I**

An introduction to basic concepts of circuit elements, circuit models and techniques for circuit analysis. (EE 3200) Corequisite: PHY 263.

**EGR 332—ELEMENTS OF ELECTRICAL ENGINEERING II**

Course topics include time-domain analysis, ac circuits, two-port and multiport network. (EE 3250) Prerequisite: EGR 331.

**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 stability. 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

The Department of Military Science conducts the Department of the Army Senior ROTC Program which is divided into two phases. The basic course, consisting of the courses listed immediately below, is normally open to fresh-

men and sophomore students only. Basic course students incur no service obligation and are provided an opportunity to sample ROTC and U.S. Army offerings. Basic course students are eligible to compete for two and three year academic scholarships. Scholarship recipients receive full tuition costs, fees, a textbook allowance, plus \$150 a month for up to 10 months each year.

All students entering Military Science courses should have a statement from a physician attesting that the student is capable of participating in strenuous physical activities.\* This statement must be no more than one year old from time of entry.

The advanced course is recommended for students who have completed the Basic Course and desire to pursue a commission in the US Army.

\* 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—MARKSMANSHIP**

Instruction and practical exercises introducing the fundamentals of basic rifle and pistol marksmanship (breathing techniques, dime and washer drills, SPORTS, zeroing, and qualification). Emphasis is placed on safeth procedures and care and maintenance of .22 caliber weapons. Credit: 1 hour.

### **MS 201—LAND NAVIGATION/MAP READING**

Instruction on the skills required to accomplish cross country navigation using a compass and/or a map. The course will incorporate the use of military map symbols and identification of terrain features depicted on a military map. Credit: 1 hour.

### **MS 202—INDIVIDUAL MILITARY SKILLS**

Instruction in various individual military skills and professional knowledge subjects to include basic first aid, survival, and communications. Credit: 1 hour.

### **MS 203—BASIC TACTICS**

Instruction on the mission, organization, and composition of small unit teams, principles of offensive and defensive operations stressing firepower, movement and communication techniques; and introduction to troop leading procedures. Credit: 1 hour.

## **ADVANCED COURSE (MS III AND IV)**

### **MS 324—ADVANCED TACTICS I**

Instruction on the fundamentals of leadership and the leader's role in directing individuals and small units in offensive and defensive tactics. Emphasis is placed on developing and executing orders under a given scenario and troop leading procedures. Land navigation and communication subjects are also included in the course. Credit: 2 hours.

**MS 325—ADVANCED TACTICS II** Instruction on the fundamentals of leadership and the leader's role in directing small and large units in offensive and defensive tactics. Emphasis is placed on squad tactical reaction procedures, patrolling techniques, and conducting after-action reviews. Credit: 2 hours.

**MS 326—ADVANCED LEADERSHIP**

Instruction on management, leadership, and motivation techniques which 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 424—COMMAND AND STAFF OPERATIONS**

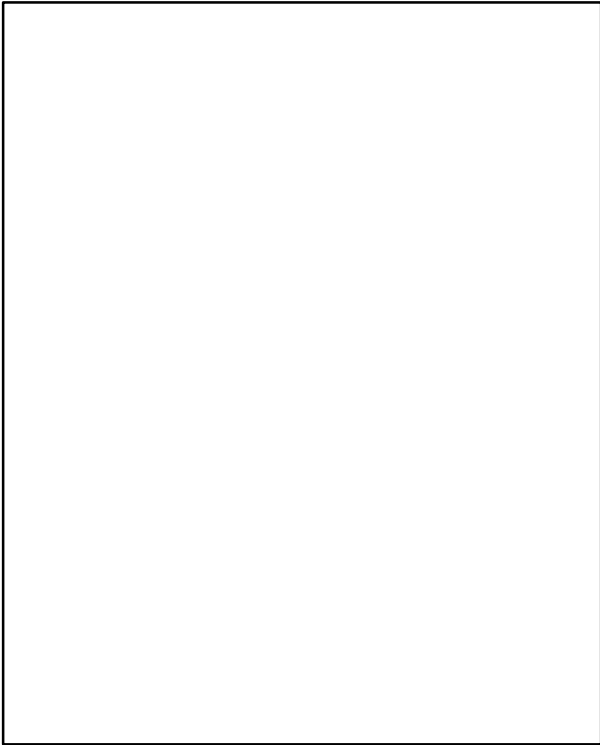
This class provides the MS IV cadet with instruction in the Army Command and Staff Functions. Military and professional knowledge topics include writing in the Army style, writing an after-action report, oral communications, conducting briefings, preparing to conduct training, evaluating training, and 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**

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OFF-CAMPUS GRADUATE CENTERS ..... 284  
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### 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

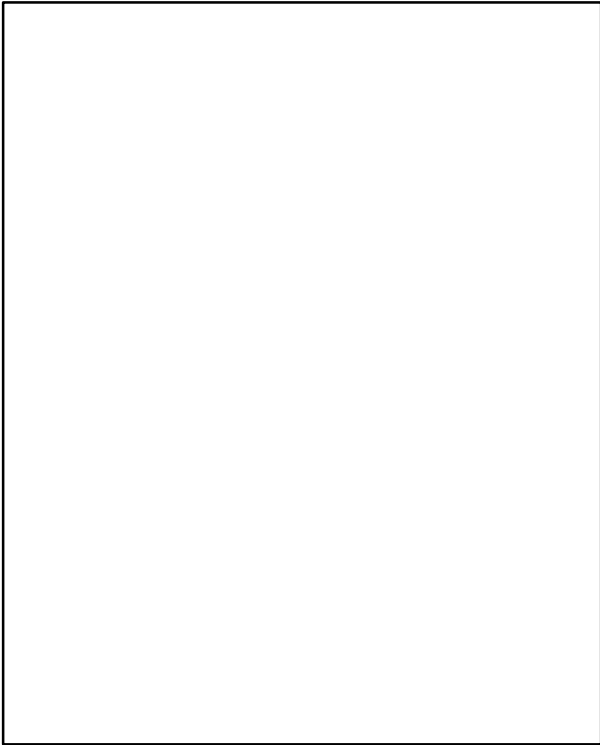
Resident graduate credit is offered on off-campus centers at Brunswick and Fort Gordon (Augusta). Students in Brunswick may pursue a Master of Education (M.Ed.) program in Early Childhood Education. Graduate courses are also offered in School Administration and Supervision, Special Education for Exceptional Children, Middle Grades Education, Public Administration, Business, and Nursing. Fort Gordon Students may pursue programs in either Adult Education (M.Ed.) or Public Administration (M.P.A.). Off-campus admission and degree requirements are identical to those of the on-campus sites.

GSU Graduate Office  
Continuing Education Office  
Brunswick College  
Brunswick, Georgia 31523  
(912) 264-7260

Education Division  
GSU Graduate Office #38804  
Ft. Gordon, Georgia 30905  
(404) 790-9338

### GRADUATE PROGRAMS DEGREE

Adult and Vocational Education .....	M.Ed.
Art .....	M.F.A./M.Ed./M.S.T.
Biology .....	M.S.
Business .....	M.B.A.
Counselor Education .....	M.Ed./M.S.T.
Early Childhood Education .....	M.Ed./Ed.S.
Educational Administration .....	Ed.D.
English .....	M.A./M.Ed./M.S.T./Ed.S.
Exercise Science .....	M.S.
French .....	M.Ed.
German .....	M.Ed.
Health and Physical Ed. ....	M.Ed./M.S.T./Ed.S.
Health Science .....	M.H.S.
Higher Education/Student Services .....	M.Ed.
History .....	M.A.
Home Economics .....	M.Ed./M.S.T.
Instructional Media .....	M.Ed.
Library Media .....	Ed.S.
Mathematics .....	M.S.
Mathematics Education ....	M.Ed./M.S.T./Ed.S.
Middle Grades Education .....	M.Ed./Ed.S.
Music .....	M.Ed./M.S.T./Ed.S.
Nursing .....	M.S.N.
Political Science .....	M.A.
Psychology .....	M.A.
Public Administration .....	M.P.A.
School Admin. and Supervision ....	M.Ed./Ed.S.
School Psychology .....	M.Ed.
Science .....	M.Ed./M.S.T./Ed.S.
Secondary Subject Matter Supervision ..	M.Ed.
Social Science .....	M.Ed./M.S.T./Ed.S.
Social Work (under development) .....	M.S.W.
Sociology .....	M.A.
Spanish .....	M.Ed.
Special Education for Exceptional Children .....	M.Ed./Ed.S.
Intellectual Disabilities	
Interrelated	
Sport Management .....	M.S.
Technology .....	M.T.
Technology Education .....	M.Ed./M.S.T./Ed.S.



**ADMINISTRATION AND FACULTY**

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**ADMINISTRATION**  
**THE UNIVERSITY SYSTEM OF GEORGIA**

**MEMBERS OF THE BOARD OF REGENTS**

	Current Term Expires
JOHN H. ANDERSON, JR., Hawkinsville .....	State-at-Large ..... 1997
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Dean of the College of Liberal Arts and Social  
Sciences

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Acting Dean of the Allen E. Paulson College of  
Science and Technology

FREDERICK K. WHITT, B.S., M.A., Ed.D.  
Dean of the College of Health and Professional  
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JULIUS F. ARIAIL, B.A., M.S., M.A.  
University Librarian

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VACANT, Director of Financial Aid

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Dean of Students

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Services

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Ph.D., Director of Continuing Education and Public  
Services

KENNETH WILLIAMS, B.S., Director of Computer  
Services

### **FACULTY 1994-95**

The date enclosed in parentheses indicates the year the faculty member joined the staff of Georgia Southern University. The asterisk denotes Graduate College faculty (full and associate members).

### **SHERRIE N. ABBOTT, Assistant Professor of Nursing**

B.S.N., Emory University, 1974;  
M.S.N., Medical College of Georgia, 1979. (1986)

### **TAMMY P. ABBOTT, Instructor of Mathematics**

B.S. Ed., Georgia Southern College, 1987;  
M. Ed., Georgia Southern College, 1988. (1988)

### **\*MARTHA L. ABELL, Associate Professor of Mathematics**

B.S., Mercer University, 1984;  
M.S., Georgia Institute of Technology, 1987;  
Ph.D., Georgia Institute of Technology, 1989. (1989)

### **NATALIE G. ADAMS, Assistant Professor of Middle Grades and Secondary Education**

B.S., Louisiana State University-Baton Rouge, 1984;  
M.Ed., University of Southwestern Louisiana, 1988;  
Ph.D., Louisiana State University-Baton Rouge, 1994.  
(1994)

### **\*STERLING CAMERON ADAMS, Professor Emeritus of Music**

B.M., Cincinnati Conservatory of Music, 1949;  
M.M., Cincinnati Conservatory of Music, 1951;  
Ph.D., Indiana University, 1962. (1965)

### **\*DAVID W. ADDINGTON, Professor of Communication Arts and Chair, Department of Communication Arts**

B.A., Palos Verdes College, 1954;  
M.A., University of California at Los Angeles, 1960;  
Ph.D., University of Iowa, 1963. (1987)

### **ELEANOR F. AGNEW, Assistant Professor of English**

B.A., University of Vermont, 1970;  
M.A., University of Maine, 1981;  
Ph.D., Louisiana State University, 1991. (1989)

### **\*JUNE E. ALBERTO, Associate Professor of Nursing**

B.S.N., Spalding College, 1973;  
M.S.N., University of Kentucky, 1978;  
D.N.S., Indiana University, 1990. (1991)

### **KATHY S. ALBERTSON, Instructor of English**

B.A., Armstrong State College, 1988;  
M.A., Georgia Southern College, 1990. (1990)

### **NATHANIEL C. ALEXANDER, Associate Professor of Student Development Programs**

B.S., Clemson University, 1966;  
M.Ed., North Carolina State University, 1970;  
Ed.D., North Carolina State University, 1974. (1990)

### **\*MICHAEL G. ALLEN, Associate Professor of Middle Grades and Secondary Education and Acting Chair, Department of Middle Grades and Secondary Education**

B.S.Ed., Castleton State College, 1966;  
M.A.T., Saint Michael's College, 1971;  
Ed.D., University of Maine-Orono, 1973. (1990)

**DAVID C. ALLEY, Associate Professor of Spanish**  
B.A., Macalester College, 1975;  
M.Ed., University of Georgia, 1981;  
Ed.D., University of Georgia, 1988. (1988)

**SALEH A. ALTAYEB, Assistant Professor of Industrial Technology**  
B.Sc., Tri-State University, 1981;  
M.Sc., Ohio University, 1985;  
Ph.D. Clemson University, 1990. (1992)

**JODY CARL ANDERSEN, Assistant Professor of Health Science Education**  
B.S., Mankato State University, 1985;  
M.S., Texas Woman's University, 1987;  
Ph.D., Ohio University, 1992. (1992)

**\*EARL RAYMOND ANDREWS, Associate Professor Emeritus of Technology**  
B.S., University of Minnesota, 1952;  
M.A., University of Minnesota, 1962;  
Ed.D., University of Missouri, 1968. (1967)

**ASHA K. ANUMOLU, Temporary Instructor of Nursing**  
B.S., Columbia Union College, 1986;  
M.S.N., Georgia Southern University, 1992. (1994)

**USHER C. APPLING, Adjunct Instructor of Military Science**  
Sergeant First Class, United States Army. (1993)

**JULIUS FELLOWS ARIAIL, University Librarian and Associate Professor**  
B.A., Emory University, 1967;  
M.S., Florida State University, 1976;  
M.A., Georgia Southern College, 1980. (1976)

**\*HARRY JOSEPH ARLING, Professor of Music**  
B.M.Ed., Southern Illinois University, 1963;  
M.M., Southern Illinois University, 1965;  
D.M., Indiana University, 1979. (1974)

**MARINELL H. ARMSTRONG, Coordinator of the Academic Advisement Center and Instructor**  
B.S.Ed., Georgia Southern College, 1963;  
M.Ed., Georgia Southern College, 1964. (1987)

**LINDA L. ARTHUR, Associate Professor of Reading and English**  
B.A., Oglethorpe University, 1972;  
M.A., University of Georgia, 1973;  
Ph.D., University of Georgia, 1979. (1989)

**C. MARK AULICK, Associate Professor of Mathematics and Computer Science**  
B.S., Stetson University, 1975;  
M.S., Florida State University, 1977;  
Ph.D., Duke University, 1981. (1986)

**JOHN E. AVERETT, Professor and Chair, Department of Biology**  
B.S., Sul Ross State University, 1966;  
M.A., Sul Ross State University, 1967;  
Ph.D., University of Texas-Austin, 1970. (1994)

**\*JACK NELSON AVERITT, Dean Emeritus of Graduate School and Professor of History**  
B.S., Georgia Southern College, 1944;  
M.A., University of Georgia, 1945;  
Ph.D., University of North Carolina, 1957. (1945)

**UJJVALA A. BAGAL, Visiting Instructor of Chemistry**  
B.A., Wright State University, 1986;  
M.S., Miami University, 1989. (1994)

**SUSAN BAKER, Temporary Assistant Professor of English**  
B.A., Bradley University, 1971;  
M.A., Bradley University, 1973. (1993)

**BARRY BALLECK, Temporary Assistant Professor of Political Science**  
B.A., Brigham Young University, 1987;  
M.A., Brigham Young University, 1989. (1995)

**AHMED E. BARBOUR, Associate Professor of Computer Science**  
B.S.E.E., Cairo University, 1965;  
M.S.E.E., Cairo University, 1972;  
Ph.D., Illinois Institute of Technology, 1985. (1991)

**REBA BARNES, Assistant Professor Emerita of Sport Science and Physical Education**  
B.S., Georgia Southern College, 1961;  
M.Ed., Georgia Southern College, 1962. (1962)

**NANCY C. BARRETT, Assistant Professor Emerita of Spanish**  
B.A., University of North Carolina, 1956;  
M.A., University of North Carolina, 1959. (1967)

**\*ROBERT M. BARROW, Associate Professor Emeritus of History**  
A.B., University of North Carolina, 1959;  
A.M., College of William and Mary, 1960;  
Ph.D., University of Virginia, 1967. (1967)

**\*JAMES JON BARTA, Assistant Professor of Early Childhood Education and Reading**  
B.S., Colorado State University, 1977;  
M.A., University of Northern Colorado, 1980;  
Ph.D., University of Oregon, 1991. (1991)

**DOROTHY A. BATTLE, Associate Professor of Educational Foundations and Curriculum**  
B.S.Ed., Winston Salem State University, 1970;  
M.Ed., University of Georgia, 1983;  
Ed.D., University of Georgia, 1987. (1990)

**DENISE A. BATTLES, Assistant Professor of Geology and Acting Assistant to the Dean, Allen E. Paulson College of Science and Technology**  
B.A., Colgate University, 1984;  
Ph.D., University of California, Los Angeles, 1990. (1990)

**EDWARD J. BAYENS, Assistant Director of Special Programs and Adjunct Instructor**  
B.A., Western Kentucky University, 1971;

M.A., Western Kentucky University, 1975;  
Ph.D., Florida State University, 1987. (1989)

**\*B. STEPHEN BAYLESS, Professor Emeritus of Art**

B.S., Eastern Oregon College, 1950;  
M.S., Southern Oregon College, 1957;  
Ed.D., Washington State University, 1962. (1976)

**CAROLINE H. BEARD, Assistant Professor of Industrial Technology**

B.E.T., Georgia Southern College, 1978;  
M.T., Georgia Southern University, 1991. (1991)

**JOHN J. BEASLEY, Professor and Chair, Department of Family and Consumer Sciences**

B.A., East Carolina University, 1969;  
M.S., Virginia Polytechnic Institute and State University, 1972;  
Ph.D., Virginia Polytechnic Institute and State University, 1978. (1988)

**GREGORY A. BECHTEL, Associate Professor of Nursing**

B.S.N., Valdosta State College, 1977;  
M.P.H., University of South Carolina, 1982;  
M.S., North Texas State University, 1980;  
Ph.D., Texas Women's University, 1986. (1994)

**\*WILLIAM A. BECKER, Professor of Recreation and Leisure Services**

B.S.Ed., University of Georgia, 1974;  
M.S., Indiana University, 1975;  
Ed.D., Temple University, 1983. (1981)

**JACQUELINE A. BEDELL, Instructional Services Coordinator and Adjunct Instructor**

A.A.S., State University of New York, 1961;  
B.S., State University of New York, 1976;  
M.Ed., Georgia Southern University, 1993. (1994)

**\*JACK BENNETT, Professor of Instructional Media**

B.S.Ed., Ball State University, 1966;  
M.A.Ed., Ball State University, 1969;  
Ed.D., Ball State University, 1972. (1981)

**\*SARA NEVILLE BENNETT, Professor of Biology, Member Institute of Arthropodology and Parasitology**

B.S., Georgia Southern College, 1964;  
B.S.Ed., Georgia Southern College, 1964;  
M.S., Georgia Southern College, 1967;  
Ph.D., University of Georgia, 1975. (1966)

**JAMES J. BERGIN, Professor and Chair, Department of Student Development Programs**

B.A., University of Saint Mary of the Lake, 1967;  
M.Ed., Loyola University, 1971;  
Ed.D., College of William and Mary, 1974. (1992)

**PATRICIA A. BERGMAIER, Career Counseling Coordinator and Adjunct Instructor**

B.S., Lock Haven State College, 1987;  
M.S., University of Tennessee-Knoxville, 1989. (1992)

**GEORGENE BESS, Instructor of English**

B.A., Georgia Southern College, 1985;  
M.A., Georgia Southern College, 1989. (1989)

**EM OLIVIA BEVIS, Adjunct Professor of Nursing**

B.S.N., Emory University, 1955;  
M.A.N.E., University of Chicago, 1958. (1980)

**JAMES D. BIGLEY, JR., Assistant Professor of Recreation and Leisure Services**

B.S., Slippery Rock University of Pennsylvania, 1980;  
M.S., Slippery Rock University of Pennsylvania, 1982;  
Ph.D., Texas A&M University, 1989. (1991)

**\*GALE A. BISHOP, Professor of Geology, Member Institute Arthropodology and Parasitology**

B.S., South Dakota School of Mines, 1965;  
M.S., South Dakota School of Mines, 1967;  
Ph.D., University of Texas, 1971. (1971)

**\*T. PARKER BISHOP, Professor of Middle Grades and Secondary Education**

B.S., Carson-Newman College, 1959;  
M.S., Emory University, 1963;  
Ph.D., Clemson University, 1968. (1967)

**BARBARA WHIPPLE BITTER, Associate Professor Emerita of English, Head Emerita, Department of Developmental Studies**

B.A., University of North Carolina, 1951;  
M.A., University of Tennessee, 1953. (1965)

**LARS G. BJORK, Associate Professor of Educational Leadership, Technology and Research**

B.A.Ed., University of New Mexico, 1968;  
M.A., University of New Mexico, 1971;  
M.P.A., University of New Mexico, 1978;  
Ed.S., University of New Mexico, 1980;  
Ph.D., University of New Mexico, 1983. (1993)

**\*CHARLENE R. BLACK, Associate Vice President for Academic Affairs, Dean of Enrollment Services, and Professor of Sociology**

A.B., University of Georgia, 1964;  
M.A., University of Georgia, 1966;  
Ph.D., Vanderbilt University, 1969. (1971)

**MARY KETTLER BLACK, Assistant Professor of Family and Consumer Sciences (Fashion Merchandising)**

B.S., Louisiana Tech University, 1973;  
M.S., Louisiana Tech University, 1974. (1974)

**\*HARLEY JOE BLANKENBAKER, Professor of Sport Science and Physical Education**

B.S., Ball State University, 1965;  
M.A., Appalachian State University, 1970;  
Ph.D., University of Maryland, 1973. (1973)

**LINDA BLANKENBAKER, Assistant Professor of Recreation and Leisure Services**

B.S., Georgia Southern College, 1970; M.R.A., Georgia Southern College, 1971; Ed.S., Georgia Southern College, 1982. (1977)

**\*LINDA M. BLEICKEN, Associate Professor of Management and Acting Chair, Department of Management**

B.B.A., Georgia State University, 1984;  
M.S., Georgia State University, 1990;  
Ph.D., Georgia State University, 1990. (1990)

**\*MARK S. BLODGETT, Associate Professor of Legal Studies**

B.B.A., University of Georgia, 1976;  
M.B.A., University of Georgia, 1978;  
J.D., St. Louis University, 1983. (1986)

**SUSAN G. BODDIFORD, Assistant Professor of Mathematics**

B.S.Ed., Georgia Southern College, 1981;  
M.S.T., Georgia Southern College, 1982. (1981)

**ROSE MAE BOGAN, Instructor of Mathematics**

B.A., University of Arkansas, 1959;  
M.Ed., University of Arkansas, 1962;  
B.F.A., Georgia Southern College, 1987;  
Ed.S., Georgia Southern University, 1993. (1985)

**ROBERT H. BOHLER, Assistant Professor of Communication Arts**

B.A., Valdosta State College, 1979;  
B.A., Valdosta State College, 1979;  
M.A., Valdosta State College, 1990. (1990)

**\*WILLIAM HAROLD BOLEN, Business Alumni Professor of Marketing**

B.S., Georgia Southern College, 1964;  
M.B.A., University of Arkansas, 1966;  
Ph.D., University of Arkansas, 1972. (1966)

**ELVENA BOLIEK, Assistant Professor of English**

B.A., Catawba College, 1958;  
M.A., University of North Carolina, 1961. (1968)

**\*CHARLES WESLEY BONDS, Professor of Reading**

B.S., Alabama State University, 1966;  
M.Ed., Georgia Southern College, 1972;  
Ed.S., Georgia Southern College, 1974;  
Ed.D., University of Florida, 1979. (1973)

**STEVEN G. BONHAM, Instructor of Educational Technology**

B.S., Louisiana State University, 1976;  
M.S., Jacksonville State University, 1980. (1985)

**\*JOHN ALLEN BOOLE, JR., Professor Emeritus of Biology and Chairman Emeritus of the Division of Science**

B.A., University of Virginia, 1949;  
M.S., Virginia Polytechnic Institute, 1951;  
Ph.D., University of North Carolina, 1955. (1955)

**MARY JANE BOROWSKY, Assistant Professor Emerita of Modern Languages**

B.A., North Georgia College, 1959;  
M.A., Emory University, 1961. (1960)

**\*WILLIAM J. BOSTWICK, Associate Professor of Accounting**

B.I.E., Auburn University, 1969;  
M.B.A., Georgia State University, 1972;  
Ph.D., Georgia State University, 1980,  
C.P.A., Georgia, 1985. (1980)

**LOWELL BOUMA, Professor Emeritus and Head Emeritus, Department of Foreign Languages**

B.A., Calvin College, 1957;  
M.A., University of Wisconsin, 1964;  
Ph.D., University of Wisconsin, 1968. (1975)

**PAMELA G. BOURLAND, Assistant Professor of Communication Arts**

B.S., Georgia Southern College, 1980;  
M.S., Arkansas State University, 1981. (1986)

**ROBERT BOXER, Professor of Chemistry**

B.S., Brooklyn College, 1956;  
Ph.D., Rutgers University, 1961. (1964)

**\*WILSON G. BRADSHAW, Professor of Psychology and Vice President and Dean for Graduate Studies and Research**

B.A., Florida Atlantic University, 1971;  
M.A., Florida Atlantic University, 1973;  
Ph.D., University of Pittsburgh, 1980. (1990)

**\*ROGER G. BRANCH, Professor of Sociology and Chair, Department of Sociology and Anthropology**

A.B.J., University of Georgia, 1956;  
B.D., Southeastern Baptist Theological Seminary, 1959;  
Th.M., Southeastern Baptist Theological Seminary, 1961;  
M.A., University of Georgia, 1969;  
Ph.D., University of Georgia, 1970. (1970)

**PATRICIA A. BRANDT, Assistant Dean of Graduate Studies and Assistant Professor of Educational Leadership**

B.A., Houghton College, 1965;  
M.S., California State University, 1980;  
Ed.D., Florida Atlantic University, 1991. (1991)

**SUZANNE A. BRANNEN, Temporary Instructor of English**

B.A., Emory University, 1964;  
M.A., Georgia Southern College, 1989. (1994)

**JAMES P. BRASELTON, II, Assistant Professor of Mathematics**

B.S., Ohio University, 1987;  
M.S., Ohio State University, 1990. (1990)

**LORRAINE M. BRASELTON, Instructor of Mathematics**

B.A., University of Northern Iowa, 1984;  
M.S., University of Illinois, 1988. (1990)

**\*MICHAEL LEE BRAZ, Associate Professor of Music**

B.M., University of Miami, 1971;  
M.M., University of Miami, 1972;  
Ph.D., Florida State University, 1984. (1987)

**CHERRY C. BREWTON, Assistant Professor of**

**Early Childhood Education**

B.S., Savannah State College, 1969;  
M.Ed., Georgia Southern College, 1977;  
Ed.D., University of South Carolina, 1994. (1987)

**CHARLES F. BRIGGS, Assistant Professor of History**

B.A., Grinnell College, 1983;  
M.Litt., University of Edinburgh, 1989;  
Ph.D., University of North Carolina-Chapel Hill, 1993. (1993)

**\*FRANK C. BROCATO, Associate Professor of Educational Leadership**

B.S., Southeastern Louisiana University, 1965;  
M.Ed., Southeastern Louisiana University, 1978;  
Ed.D., University of Oklahoma, 1985. (1989)

**FREDERICK W. BROGDON, Assistant Professor of History**

B.S.Ed., Georgia Southern College, 1963;  
M.A., Georgia Southern College, 1968. (1965)

**\*JACK WOLF BROUCEK, Professor Emeritus of Music**

B.S.M., Baldwin-Wallace College, 1939;  
M.Mus., University of Michigan, 1942;  
Ed.D., Florida State University, 1962. (1944)

**DON K. BROWN, Instructor of Mathematics**

B.S.Ed., Georgia Southern College, 1985;  
M.Ed., Georgia Southern College, 1987;  
Ed.S., Georgia Southern University, 1993. (1987)

**EDNA EARLE BROWN, Associate Director Emerita of Libraries and Professor Emerita**

A.B., Peabody College, 1945;  
B.S.L.S., University of Illinois, 1946. (1969)

**ELFRIEDA FUQUA BROWN, (CRD), Assistant Professor of Family and Consumer Sciences (Food, Nutrition, and Dietetics)**

B.S., University of Tennessee, 1970;  
M.S., University of Tennessee, 1971. (1971)

**JOHN H. BROWN, Assistant Professor of Finance and Economics**

B.A., University of Akron, 1977;  
M.A., University of Akron, 1982;  
Ph.D., Michigan State University, 1989. (1994)

**LE ANNE BROWN, Temporary Instructor of Educational Leadership Technology & Research**

B.A., Florida State University, 1969;  
M.Ed., University of Florida, 1972;  
Ed.S., University of Florida, 1977. (1994)

**PAUL A. BROWN, Assistant Professor of Philosophy**

B.A., Florida State University, 1962;  
M.A., Florida State University, 1964;  
Ph.D., University of Wisconsin, 1975. (1970)

**\*V. EDWARD BROWN, Associate Professor of Adult and Vocational Education**

B.S.Ed., Georgia Southern College, 1959;

M.Ed., Georgia Southern College, 1966;  
Ed.D., University of Mississippi, 1971. (1964)

**\*WALTER L. BROWN, Associate Professor Emeritus of Secondary Education**

B.S., West Virginia Wesleyan, 1941;  
M.S., Indiana University, 1953,  
Ed.D., Indiana University, 1956;  
Postdoctoral, Buffalo University, 1967;  
Postdoctoral, University of South Carolina, 1969. (1971)

**WAYLAND Y. BROWN, Instructor of Mathematics**

B.A., Emory University, 1965;  
M.A., University of Washington, 1967. (1989)

**RONALD N. BROWNE, JR., Assistant Professor of Early Childhood Education and Reading**

B.Ed., University of Toledo, 1982;  
M.Ed., Bowling Green State University, 1989;  
Ph.D., University of Toledo, 1992. (1994)

**LARRY D. BRYANT, Assistant Professor of Health Science Education**

A.A., Gulf Coast Community College, 1971;  
B.S., Jacksonville University, 1973;  
M.Ed., Georgia Southern College, 1976;  
Ed.S., Georgia Southern College, 1984. (1976)

**JOHN J. BUDACK, Assistant Professor of Finance**

B.B.A., University of Minnesota, 1961;  
M.B.A., Drake University, 1970. (1974)

**JEFFREY L. BULLER, Associate Professor of History and Associate Dean of Liberal Arts and Social Sciences**

B.A., University of Notre Dame, 1976;  
M.A., University of Wisconsin, Madison, 1977;  
Ph.D., University of Wisconsin, Madison, 1981. (1990)

**JOSEPH C. BULLINGTON, Temporary Assistant Professor of Psychology**

B.S., Georgia Southern College, 1976;  
M.A., Georgia Southern College, 1980;  
Ph.D., University of California at Davis, 1987;  
M.B.A., Georgia Southern University, 1992. (1989)

**ANDREA VIRGINIA BURKE, Temporary Instructor of Nursing**

B.S.N., Georgia Southern College, 1985;  
M.S.N., Georgia Southern University, 1993. (1994)

**PATRICIA L. BURKETT, Director of Housing and Adjunct Instructor**

B.S., Georgia Southern College, 1972;  
M.Ed., Georgia Southern College, 1978. (1994)

**DAVID P. BURNS, Instructor of Communication Arts**

A.S., Genesee Community College, 1983;  
B.A., Ithaca College, 1985;  
M.A., University of Georgia, 1990. (1990)

**\*O. MAX BURNS, Associate Professor of Management**

B.I.E., Georgia Institute of Technology, 1973;  
M.B.I.S., Georgia State University, 1978;  
Ph.D., Georgia State University, 1987. (1983)

**ZISCA I. BURTON, Temporary Instructor of English**

B.A., University of Wisconsin-Madison, 1992;  
M.A., University of Wisconsin-Madison, 1994.  
(1994)

**\*LEE CLARK CAIN, Professor Emeritus of Secondary Education**

B.A., Samford University, 1949;  
M.A., Peabody College, 1951;  
Ed.D., University of Alabama, 1962. (1962)

**\*MARTHA L. TOOTLE CAIN, Professor Emerita of Chemistry**

B.S., Georgia Southern College, 1950;  
M.A., University of Colorado, 1958;  
Ph.D., University of Connecticut, 1963. (1962)

**\*CONSTANCE CAMPBELL, Assistant Professor of Management**

B.A., Oklahoma Baptist University, 1981;  
M.S., University of Kentucky, 1983;  
Ph.D., Florida State University, 1992. (1992)

**LON MELSON CARNES, JR., Professor Emeritus of Finance**

B.B.A., University of Georgia, 1954;  
M.B.A., Georgia State University, 1964;  
D.B.A., Georgia State University, 1972. (1967)

**\*WILLIAM BARCLAY CARPER, Professor of Management and Associate Dean, College of Business Administration**

B.A., University of Virginia, 1968;  
M.B.A., College of William and Mary, 1976;  
Ph.D., Virginia Polytechnic Institute and State University, 1979. (1987)

**GEORGE PAUL CARR, JR., Assistant Professor Emeritus of Health Science Education**

B.S., Georgia Southern College, 1956;  
M.Ed., Georgia Southern College, 1965. (1965)

**E. RUTH CARROLL, Assistant Professor of Student Development Programs**

B.S.Ed., University of Central Oklahoma, 1979;  
M.Ed., University of Central Oklahoma, 1981;  
Ed.D., Oklahoma State University, 1989. (1993)

**BRENDA S. CARTER, Assistant Professor of Mathematics and Senior Women's Athletic Administrator**

B.S.Ed., University of Georgia, 1968;  
M.Ed., Georgia Southern College, 1978. (1978)

**\*HARRISON S. CARTER, Professor of Management and Vice-President for Academic Affairs**

B.S., Georgia Southern College, 1966;  
M.S., U.S. International University, 1970;  
Ph.D., University of Georgia, 1974. (1975)

**PATRICIA W. CARTER, Temporary Assistant Professor of Art**

B.A., Rutgers University, 1987;  
M.F.A., Rutgers University, 1989. (1993)

**JEAN-PAUL CARTON, Associate Professor of French**

Licence, Universite de Tours, France, 1971;  
Maitrise, Universite de Tours, France, 1972;  
Ph.D., University of Utah, 1982. (1983)

**\*THOMAS L. CASE, Professor of Management**

A.B., Davidson College, 1974;  
M.S., University of Georgia, 1979;  
Ph.D., University of Georgia, 1982. (1981)

**JANE CASON, Instructor of Mathematics**

B.S.Ed., University of Georgia, 1969;  
M.Ed., Georgia Southern College, 1982. (1986)

**WILLIAM O. CASTER, Adjunct Professor of Biology**

B.A., University of Wisconsin, 1942;  
M.S., University of Wisconsin, 1944;  
Ph.D., University of Minnesota, 1948. (1989)

**\*HOLLIS LANIER CATE, Professor Emeritus of English**

A.B., Presbyterian College, 1951;  
M.Ed., University of Georgia, 1957;  
Ph.D., University of Georgia, 1962. (1967)

**MARIS W. CATO, Temporary Instructor of English**

B.A., Georgia Southern College, 1989;  
M.P.A., Valdosta State College, 1991. (1995)

**\*CHARLES W. CHAMP, Associate Professor of Mathematics**

A.A., Southern Baptist College, 1968;  
B.S., Arkansas State University, 1971;  
M.S., Arkansas State University, 1973;  
M.A., University of Missouri, 1982;  
Ph.D., University of Southwestern Louisiana, 1986.  
(1992)

**\*HARLEY ROBERT CHESHIRE, JR., Associate Professor Emeritus of Vocational Education**

B.S., Virginia Polytechnic Institute, 1961;  
M.S., Virginia Polytechnic Institute, 1964;  
Ed.D., University of Georgia, 1971. (1972)

**\*ALEXANDER L. CHEW, Professor of Educational Psychology and Counseling**

A.A., Armstrong College, 1959;  
B.S.Ed., Georgia Southern College, 1961;  
M.Ed., University of Georgia, 1966;  
Ed.S., Georgia Southern College, 1973;  
Ed.D., University of Mississippi, 1977. (1979)

**JOANNE CHOPAK, Assistant Professor of Health Science Education**

B.S., University of Delaware, 1982;  
M.S., Pennsylvania State University, 1987;  
Ph.D., Pennsylvania State University, 1993. (1993)

**\*ALICE GALLOWAY CHRISTMAS, Assistant Professor Emerita of Early Childhood Education**  
B.S.Ed., University of Georgia, 1961;  
M.Ed., University of Georgia, 1965;  
Ed.D., University of Georgia, 1972. (1969)

**CHARLES L. CHRISTMAS, Associate Professor Emeritus of Mathematics**  
B.S., Oakland City College, 1951;  
M.A., University of Georgia, 1962;  
Ph.D., University of Georgia, 1966. (1969)

**LINDA A. CIONITTI, Assistant Professor of Music**  
B.M., State University of New York at Potsdam, 1982;  
M.M., Michigan State University, 1984;  
D.M.A., Michigan State University, 1989. (1989)

**ALICIA B. CIPRIA, Temporary Instructor of Spanish**  
M.A., Michigan State University, 1990. (1994)

**CHERYL CLAIBORNE, Director, Learning Resources Center, and Assistant Professor**  
B.S., Georgia Southern College, 1982,  
M.Ed., Georgia Southern College, 1988. (1987)

**\*JAMES B. CLAIBORNE, Professor of Biology**  
B.S., Florida State University, 1977;  
Ph.D., University of Miami, 1981;  
Postdoctoral training, Max Planck Institute for  
Experimental Medicine, Gottingen, West Germany,  
1981-83. (1983)

**GEORGE R. CLARK, Associate Professor of Electrical Engineering Technology**  
B.S.E.E., West Virginia Institute of Technology, 1972;  
M.S.E., West Virginia College of Graduate Studies,  
1978;  
Professional Engineer. (1987)

**\*KENNETH F. CLARK, Associate Professor of Educational Leadership, Technology, and Research**  
B.S., Florida State University, 1971;  
M.Ed., Florida Atlantic University, 1974;  
Ed.S., Nova University, 1981;  
Ed.D., University of Florida, 1986. (1988)

**\*PATRICK R. COBB, Professor of Sport Science and Physical Education**  
A.B., Atlantic Christian College, 1962;  
M.A.Ed., Western Carolina University, 1969;  
Ed.D., Northwestern State University, 1972. (1973)

**\*JOHN PERRY COCHRAN, Professor Emeritus of History**  
A.B., Birmingham Southern, 1950;  
M.A., University of Alabama, 1951;  
Ph.D., University of Alabama, 1961. (1964)

**MARIE COCHRAN, Assistant Professor of Art**  
B.F.A., University of Georgia, 1984;  
M.F.A., Art Institute of Chicago, 1992. (1987)

**JAMES THOMAS COE, Temporary Instructor of Finance and Economics**  
B.S., Georgia State University, 1970;

M.B.A., Memphis State University, 1985. (1993)

**VALERIE B. COLE, Temporary Instructor of Middle Grades and Secondary Education**  
B.S.Ed., Hofstra University, 1977;  
M.Ed., Georgia Southern University, 1992. (1994)

**\*MARTHA A. COLEMAN, Professor of Nursing**  
B.S.N., Medical College of Georgia, 1960;  
M.N., Emory University, 1967;  
Ed.D., University of South Carolina, 1987. (1980)

**NATHAN C. COLEMAN, Assistant Director of Planning and Adjunct Assistant Professor of Management**  
B.B.A., University of Georgia, 1961;  
M.B.A., Georgia Southern College, 1982. (1988)

**MARY T. COLLER, Area Coordinator, Residence Life, and Adjunct Instructor**  
B.M.E., Ohio State University, 1986;  
M.Ed., Cleveland State University, 1989. (1994)

**LINDA R. COLLINS, Instructor of Spanish**  
B.A., Southern University A & M C, 1973;  
M.A., University of Wisconsin-Milwaukee, 1975.  
(1990)

**PENELOPE BEECHER COLLINS, Assistant Professor of Nursing**  
B.S.N., Emory University, 1971;  
M.S.N., Medical College of Georgia, 1979. (1984)

**CLAIR IVAN COLVIN, Professor Emeritus of Chemistry and Head Emeritus, Department of Chemistry**  
B.S., Ohio University, 1949;  
M.S., University of Miami, 1961;  
Ph.D., University of Miami, 1963. (1964)

**\*BARBARA G. COME, Assistant Professor of Early Childhood Education and Reading**  
B.A., West Virginia Wesleyan College, 1969;  
M.Ed., Ohio University, 1978;  
Ph.D., Ohio University, 1989. (1992)

**DIANA M. CONE, Associate Professor of Family and Consumer Sciences**  
B.S., University of Southern Mississippi, 1979;  
M.S., University of Southern Mississippi, 1980;  
Ph.D., Florida State University, 1981. (1990)

**\*JONATHAN COPELAND, Associate Professor of Biology**  
B.A., Tufts University, 1968;  
Ph.D., State University of New York-Stony Brook,  
1975. (1991)

**\*ROBERT D. COSTON, Professor of Economics**  
B.S.B.A., Northeast Louisiana University, 1965;  
M.B.A., Northeast Louisiana University, 1967;  
Ph.D., University of Arkansas, 1973. (1970)

**\*DOYCE J. COTTEN, Professor of Sport Science and Physical Education**  
B.S., Florida State University, 1961;



M.S., Florida State University, 1963;  
Ed.D., Florida State University, 1965. (1966)

**\*GEORGE H. COX, JR., Professor of Political Science and Public Administration**  
B.S., University of Tennessee, 1969;  
M.A., George Peabody College, 1972;  
Ph.D., Emory University, 1981. (1982)

**CHARLOTTE C. CRITTENDEN, Assistant Professor of English**  
B.S.Ed., Georgia Southern College, 1962;  
M.Ed., Georgia Southern College, 1963;  
Ph.D., University of Georgia, 1987. (1987)

**JENNIFER LYN CROSS, Temporary Instructor of Recreation and Leisure Services**  
B.S., Kent State University, 1991;  
M.S., Indiana University-Bloomington, 1994. (1994)

**CHARLES P. CROUCH, Assistant Professor of History**  
B.A., Louisiana State University, 1979;  
M.A., Louisiana State University, 1985;  
Ph.D., University of Illinois, 1991. (1993)

**KAREN E. CSENGERI, Temporary Assistant Professor of English**  
B.A., University of Toledo, 1970;  
M.A., University of Toledo, 1974;  
Ph.D., University of Michigan, 1985. (1993)

**MARC D. CYR, Assistant Professor of English**  
B.A., Western Washington University, 1979;  
M.A., Western Washington University, 1981;  
Ph.D., University of Washington, 1991. (1987)

**\*JOHN H. DAILY, Professor of Political Science and Public Administration**  
B.A., Edinboro State University, 1965;  
M.A., Kent State University, 1968;  
Ph.D., Kent State University, 1973. (1971)

**PHYLLIS DALLAS, Assistant Professor of English**  
B.S.Ed., Valdosta State College, 1973;  
M.A., Valdosta State College, 1975;  
Ph.D., Tulane University, 1991.(1988)

**\*NATALIA DA ROZA, Professor of Music**  
B.S., Nazareth College, 1962;  
M.M., Holy Names College, 1964;  
D.M.A., North Texas State University, 1972. (1986)

**\*JAMES H. DARRELL, Associate Professor of Geology**  
B.A., Ohio Wesleyan University, 1964;  
M.S., University of Tennessee, 1966;  
Ph.D., Louisiana State University, 1973. (1970)

**SUSAN JONES DARRELL, Assistant Professor of Family and Consumer Sciences (Education)**  
B.S., Georgia Southern College, 1960;  
M.Ed., University of Georgia, 1968;  
Ed.S., University of Georgia, 1978. (1968)

**GARY E. DARTT, Associate Professor of**

**Communication Arts**  
B.S., Augustana College, 1964;  
M.F.A., University of Minnesota, 1974. (1988)

**NIRMAL K. DAS, Assistant Professor of Civil Engineering Technology**  
B.S., Jadavpur University, 1969;  
M.S., Texas Tech University, 1985;  
Ph.D., Texas Tech University, 1988;  
Professional Engineer. (1993)

**ADELE M. DAVENPORT, Temporary Instructor of Health Science Education**  
B.A., Southern Louisiana College, 1963;  
M.A., George Peabody College for Teachers, 1965;  
M.A., Texas Tech University, 1971. (1993)

**\*JOHN W. DAVENPORT, Professor of Mathematics and Computer Science**  
B.S., Union University, 1960;  
M.S., University of Mississippi, 1964;  
M.S., University of South Carolina, 1987;  
Ph.D., Texas Tech University, 1974. (1982)

**AARON H. DAVIDSON, Adjunct Instructor of Nursing**  
B.S., University of Georgia, 1982;  
M.D., Medical College of Georgia, 1986. (1994)

**ELIZABETH P. DAVIDSON, Temporary Instructor of Biology**  
B.S., Duke University, 1981;  
B.S., Old Dominion University, 1987;  
M.S., Old Dominion University, 1989. (1992)

**LAURA B. DAVIDSON, Head Reference Librarian and Assistant Professor**  
B.A., Wake Forest University, 1980;  
M.S.L.S., University of North Carolina-Chapel Hill, 1982. (1994)

**\*STUART DAVIDSON, Assistant Professor of Mathematics**  
B.S., Heriot-Watt University, 1984;  
M.S., Old Dominion University, 1986;  
Ph.D., Old Dominion University, 1990. (1990)

**ANITA P. DAVIS, Temporary Assistant Professor of Music**  
B.M.E., Florida State University, 1975;  
M.M., Florida State University, 1984.  
Ph.D., Florida State University, 1993. (1993)

**DONALD M. DAVIS, Assistant Professor of English**  
B.A., Birmingham Southern College, 1955;  
M.A., Emory University, 1964. (1964)

**\*ELYNOR G. DAVIS, Associate Professor of Economics**  
B.B.A., Baylor University, 1954;  
M.S., Baylor University, 1954;  
Ph.D., Texas A & M, 1978. (1979)

**JAMES E. DAVIS, JR., Assistant Professor of Finance and Economics**

B.S.A., University of Georgia, 1974;  
M.S., University of Florida, 1978. (1994)

**REBECCA M. DAVIS, Temporary Assistant Professor of Political Science**

B.S., Georgia Southern College, 1987;  
M.A., Georgia Southern College, 1989;  
J.D., University of Georgia, 1992. (1994)

**\*RONALD G. DAVISON, Professor of Educational Leadership, Technology and Research and Chair, Department of Educational Leadership, Technology and Research**

B.A., University of Buffalo, 1959;  
M.Ed., University of Buffalo, 1964;  
Ed.D., State University of New York-Buffalo, 1969. (1991)

**MOHAMMAD S. DAVOUD, Associate Professor of Mechanical Engineering Technology**

B.S.M.E., Oklahoma State University, 1981;  
M.S.M.E., P.E., Oklahoma State University, 1984. (1988)

**DALE A. DEAL, Adjunct Instructor of Sport Science and Physical Education**

B.S.Ed., Georgia Southern College, 1970;  
M.Ed., Georgia Southern College, 1978;  
Ed.S., Georgia Southern College, 1982. (1992)

**J. PHILIP DEAL, Temporary Instructor of English**

B.A., California State University at Chico, 1983;  
M.F.A., Wichita State University, 1990. (1992)

**S. TODD DEAL, Assistant Professor of Chemistry**

B.S., Georgia Southern College, 1986;  
Ph.D., Ohio State University, 1990. (1992)

**T. MICHAEL DEAL, Registrar and Adjunct Instructor**

B.B.A., Georgia Southern College, 1974;  
M.Ed., Georgia Southern College, 1989. (1988)

**TONY J. DEAL, Temporary Instructor of Physics**

B.S., Georgia Southern University, 1992;  
M.Ed., Georgia Southern University, 1993. (1993)

**CLEON E. DEAN, Assistant Professor of Physics**

B.S., Texas A & M University, 1980;  
M.S., Texas A & M University, 1982;  
Ph.D., Washington State University, 1989. (1992)

**\*BRYAN DEEVER, Assistant Professor of Educational Foundations**

A.B., Glenville State College, 1977;  
M.S., University of Tennessee-Knoxville, 1979;  
Ph.D., Miami University (Ohio), 1989. (1989)

**MILAN EUGENE DEGYANSKY, Professor of Civil Engineering Technology**

B.S.S.E., Pennsylvania State University, 1964;  
M.S., Pennsylvania State University, 1968;  
Professional Engineer. (1980)

**LYNN E. DELLENBARGER, Callaway Professor Emeritus of Banking and Finance**

A.B., Duke University, 1953; M.B.A.,  
University of Florida, 1956; Ph.D.,  
University of Florida, 1960. (1971)

**ELEANOR B. DELOACH, Part-time Instructor of Reading**

B.S.Ed., Georgia Southern College, 1954;  
M.Ed., Georgia Southern College, 1982. (1988)

**\*LU DENG, Associate Professor of Physics**

B.S., University of Science and Technology of China, 1982;  
M.S., Baylor University, 1987;  
Ph.D., Baylor University, 1988. (1988)

**\*JOHN FRANCIS DENITTO, Professor Emeritus of Middle Grades and Secondary Education**

B.S., Georgia Southern College, 1954; M.Ed.,  
Georgia Southern College, 1965; Certificate in  
School Social Work, University of  
Georgia, 1968;  
Ed.S., Georgia Southern College, 1973;  
Ed.D., University of Georgia, 1980. (1969)

**\*LUTHER TREY DENTON III, Assistant Professor of Marketing**

B.A., Emory University, 1982;  
M.B.A., Emory University, 1986;  
Ph.D., University of Georgia, 1991. (1992)

**NANCY DESSOMMES, Instructor of English**

B.A., Georgia Southern College, 1975;  
M.A., Auburn University, 1978. (1988)

**RUSSELL A. DEWEY, Assistant Professor of Psychology**

B.A., University of Michigan, 1973;  
Ph.D., University of Michigan, 1978. (1979)

**\*ROBERT DICK, Associate Professor Emeritus of Political Science and Public Administration**

B.A., University of Michigan, 1950;  
M.P.A., New York University, 1954;  
Ph.D., New York University, 1973. (1973)

**JOHN R. DIEBOLT, Professor of Biology and Associate Dean of Graduate Studies**

B.A., Emporia State University, 1963;  
M.S., Emporia State University, 1965;  
Ph.D., University of Oklahoma, 1974. (1992)

**WILLIAM DIEHL, Adjunct Assistant Professor of English**

B.A., University of Missouri, 1949. (1994)

**GALAL WASFI DIMETRY, Temporary Instructor of Arabic**

B.A., Alexandria University, Egypt, 1965;  
M.P.A., Institute of Public Administration, Alexandria,  
Egypt, 1969;  
M.A., Jersey City State College, 1973. (1989)

**SHERI D. DIVERS, Instructor of English**

B.A., Spelman College, 1989;  
M.A., Northeastern University, 1994. (1994)

**EDNA LYNN DIXON, Temporary Instructor of Management**

B.B.A., Georgia Southern College, 1986;  
M.B.A., Georgia Southern University, 1993. (1994)

**PAUL DIXON, Associate Professor Emeritus of Vocational Education and Adult Education**

B.S., University of Tennessee, 1958;  
M.S., University of Tennessee, 1971;  
Ed.D., University of Tennessee, 1974. (1974)

**\*GRIGORY DMITRIYEV, Associate Professor of Educational Foundations and Curriculum**

Ph.D., Academy of Pedagogical Sciences, 1989.  
(1991)

**LLOYD NOLAN DOSIER, Associate Professor of Management**

B.B.A., Georgia State University, 1965;  
M.B.A., Georgia State University, 1966. (1968)

**ELLEN M. DOTSON, Assistant Professor of Biology and Research Associate, Member Institute of Arthropodology and Parasitology**

B.S., Georgia Southern College, 1981;  
M.S., Georgia Southern College, 1982;  
Ph.D., University of Neuchatel, 1993. (1988)

**CORDELIA DOUZENIS, Assistant Professor of Educational Leadership, Technology and Research**

B.A., Millsaps College, 1983;  
M.S., Memphis State University, 1985;  
Ed.D., Memphis State University, 1988. (1993)

**ALAN C. DOWNS, Assistant Professor of History**

B.A., North Carolina State University, 1978;  
M.A., University of North Carolina-Chapel Hill, 1982;  
Ph.D., University of North Carolina-Chapel Hill, 1991.  
(1992)

**\*ELIZABETH DOWNS, Assistant Professor of Educational Leadership, Technology and Research**

B.S., Florida State University, 1975;  
M.Ed., University of Florida, 1983;  
Ph.D., University of Florida, 1989. (1990)

**CYNTHIA DOXEY, Assistant Professor of Family and Consumer Sciences**

B.A., University of Utah, 1985;  
M.Phil., University of Cambridge, 1991;  
M.S., University of Utah, 1988;  
Ph.D., Brigham Young University, 1994. (1994)

**DONALD DRAKE, Assistant Professor of Biology**

B.S., Florida Institute of Technology, 1981;  
M.S., Ohio University, 1987;  
Ph.D., University of Hawaii-Manoa, 1993. (1993)

**\*DONALD JOSEPH DRAPALIK, Associate Professor of Biology**

B.A., Southern Illinois University, 1959;  
M.A., Southern Illinois University, 1962;  
Ph.D., University of North Carolina, 1970. (1968)

**\*DAVID L. DUDLEY, Assistant Professor of English**

B.A., Duke University, 1970; M.Div.,  
Concordia Seminary, 1975; M.A.,  
University of West Florida, 1984;  
Ph.D., Louisiana State University, 1988. (1989)

**EDWARD A. DUNCAN, Head Cataloging Librarian and Assistant Professor**

B.A., North Texas State University, 1950;  
M.A., Florida State University, 1956;  
M.L.S., Rutgers University, 1964. (1986)

**GARY L. DUNCAN, Assistant Professor of Building Construction**

A.E., Southern Technical Institute, 1966;  
B.S., Georgia Southern College, 1975;  
M.T. Georgia Southern University, 1990.  
Registered Architect (1983)

**IRIS B. DURDEN, Serials Librarian and Assistant Professor**

B.S.Ed., Georgia Southern College, 1973;  
M.Ln., Emory University, 1978. (1978)

**LANCE A. DURDEN, Assistant Curator, National Tick Collection, Member, Institute of Arthropodology and Parasitology, and Assistant Professor of Biology**

B.Sc., Royal Holloway College, University of London,  
1977;  
Ph.D., University of London, 1981.(1992)

**JIMMIE L. EARLE, Temporary Instructor of Management**

B.B.A., Northeast Louisiana University, 1981;  
M.B.A., Northeast Louisiana University, 1983. (1994)

**CAROL S. EBEL, Temporary Instructor of History**

A.B., Georgia Southern College, 1980;  
M.A., University of Georgia, 1987. (1994)

**MICHELE EDENFIELD, Activities Coordinator and Adjunct Instructor**

B.S., Berry College, 1990;  
M.A., Bowling Green State University, 1992. (1992)

**OLIVIA C. EDENFIELD, Assistant Professor of English**

B.A., Georgia Southern College, 1982;  
M.A., University of Iowa, 1986. (1986)

**\*ANDREW S. EDWARDS, Associate Professor Emeritus of Educational Foundations and Curriculum**

A.B., Mercer University, 1950;  
M.Ed., Mercer University, 1957;  
Ed.D., University of Georgia, 1965. (1963)

**MARK A. EDWARDS, Assistant Professor of Physics**

B.S., Georgia Southern College, 1977;  
M.A., Johns Hopkins University, 1979;  
Ph.D., Johns Hopkins University, 1984. (1990)

**\*VERNON O. EGGER, Associate Professor of History**

B.A., Baylor University, 1970;  
M.Div., Southern Baptist Theological Seminary, 1973;  
M.A., University of Michigan, 1977;  
Ph.D., University of Michigan, 1983. (1983)

**WILLIAM EHLING, Coordinator, Campus Recreation and Intramurals, and Adjunct Instructor of Recreation and Leisure Services**  
B.S., Appalachian State University, 1979;  
M.S., Appalachian State University, 1981. (1989)

\***HENRY A. EISENHART, Professor of Recreation and Leisure Services and Chair, Department of Recreation and Leisure Services**  
B.S., University of New Mexico, 1970;  
M.A., University of New Mexico, 1973;  
Ph.D., University of New Mexico, 1979. (1991)

\***BOBBIE S. ELLAISSI, Associate Professor of Middle Grades and Secondary Education**  
B.A., Baylor University, 1957;  
M.Ed., University of Texas-Austin, 1961;  
Ph.D., University of Texas-Austin, 1978. (1974)

\***FRED CARROLL ELLENBURG, Professor Emeritus of Middle Grades and Secondary Education**  
A.B., Furman University, 1954;  
M.A., Appalachian State University, 1962;  
Ed.D., University of Tennessee, 1967. (1967)

**P. MARK ELROD, Instructor of Accounting**  
B.B.A., Georgia Southern College, 1986;  
M.B.A.; Georgia Southern University, 1991. (1991)

**EDWARD F. ELTON, Adjunct Associate Professor of Pulp & Paper Technology**  
M.E., Stevens Institute of Technology, 1957;  
M.S., Lawrence University, 1959;  
Ph.D., Lawrence University, 1962. (1983)

**ELISSA A. EMERSON, Assistant Professor of Nursing**  
B.A., Stetson University, 1969;  
M.S., Pace University, 1974;  
Ph.D., University of Texas-Austin, 1992. (1994)

**JOHN R. ERTEL, Adjunct Assistant Professor of Biology**  
B.S., Drexel University, 1974;  
M.S., Florida State University, 1978;  
Ph.D., University of Washington, 1985. (1995)

**CHERI R. EVANS, Instructor of Management**  
A.S., Potomac State College, 1985; B.S., West Virginia University, 1977;  
M.S.E., West Virginia University, 1978;  
M.B.A., University of Pittsburgh, 1990. (1990)

**MARK A. EVANS, Assistant Professor of Geology**  
B.S., West Virginia University, 1978;  
M.S., West Virginia University, 1980;  
Ph.D., University of Pittsburgh, 1989. (1990)

**JOSIAH SAMUEL EZELL, Assistant Professor Emeritus of Marketing**

B.B.A., North Texas State University, 1952;  
M.B.A., North Texas State University, 1960. (1964)

**LISA T. FALL, Instructor of Communication Arts**  
B.A., Central Michigan University, 1986;  
M.A., University of South Carolina, 1991. (1994)

**MATHEW D. FALLIN, Instructor of Music**  
B.M., Georgia Southern College, 1987;  
M.A., Louisiana Tech University, 1989. (1991)

**ZOLTAN JULIUS FARKAS, Professor Emeritus of Foreign Languages and Head Emeritus, Department of Foreign Languages**  
Professor's Diploma, Royal Hungarian "Pazmany" University, Budapest, 1931. (1955)

**SCOTT A. FARMER, Head Swimming Coach and Adjunct Instructor of Sport Science and Physical Education**  
B.S.Ed., Georgia Southern College, 1986;  
M.S., Georgia Southern College, 1987. (1987)

**JIANHUA FENG, Assistant Professor of Early Childhood Education**  
B.A., Huazhong Normal University, 1985;  
M.S., Wheelock College, 1988;  
Ed.D., Memphis State University, 1992. (1993)

**FLORENCE S. FERGUSON, Assistant Professor of Justice Studies**  
B.A., Mercy College of Detroit, 1975;  
M.A., University of Detroit, 1977. (1992)

**JAMES FERRIS, Temporary Assistant Professor of Communication Arts**  
B.A., Marquette University, 1976;  
M.A., University of Texas-Austin, 1984. (1993)

**KAREN FERRO, Assistant Professor of English**  
B.A., State University of New York-Stony Brook, 1982;  
M.A., State University of New York-Stony Brook, 1986. (1988)

**BONNIE FORD FIELDS, (LRD), Assistant Professor of Family and Consumer Sciences (Food-service Management, Dietetics, and Hospitality Administration)**  
B.S., Louisiana Tech University, 1968;  
M.S., Auburn University, 1971. (1971)

**WILLIAM G. FIELDS, Instructor of Communication Arts**  
B.A., Georgia Southwestern College, 1976;  
M.A., University of Montevallo, 1982. (1991)

**LYNN W. FINE, Associate Professor of Building Construction**  
B.B.C., University of Florida, 1971;  
M.S., Georgia Institute of Technology, 1990.(1992)

**ROBERT N. FITZWATER, Associate Professor Emeritus of Chemistry**  
B.S., Rollins College, 1949;  
Ph.D., University of Florida, 1958. (1968)

**LESLIE B. FLETCHER, Assistant Professor of Accounting**

B.A., Duke University, 1973;  
Ph.D., Louisiana State University, 1993. (1993)

**GORDON EARL FLOYD, Assistant Professor of Sport Science and Physical Education**

B.S., University of Florida, 1963;  
M.P.E., University of Florida, 1965;  
Ed.S., Georgia Southern College, 1974. (1969)

**\*RICHARD M. FLYNN, Associate Professor of English**

B.A., George Washington University, 1977;  
M.A., American University, 1980;  
M. Phil., George Washington University, 1984;  
Ph.D., George Washington University, 1987. (1990)

**\*SHAWN MICHAEL FORBES, Associate Professor of Finance**

B.B.A., University of Georgia, 1979;  
Ph.D., University of Georgia, 1985. (1991)

**CHARLOTTE ADAMS FORD, Associate Professor Emerita of History**

A.B., University of Georgia, 1941;  
M.A., Georgia Southern College, 1964. (1964)

**CHARLOTTE J. FORTNER, Temporary Instructor of Family and Consumer Sciences**

B.S., University of Georgia, 1957;  
M.S., University of Georgia, 1969. (1993)

**MARY E. FORTUNE, Associate Professor Emerita of Recreation**

B.A., Shorter College, 1939;  
M.S., University of North Carolina at Chapel Hill, 1960;  
Ph.D., University of North Carolina at Chapel Hill, 1970. (1971)

**\*DAVID F. FOULK, Professor of Health Science Education and Chair, Department of Health Science Education**

B.S., Berry College, 1971;  
M.S., University of Tennessee, 1976;  
Ed.D., University of Tennessee, 1978. (1987)

**MABLE L. FOWLER, Cataloging Librarian and Instructor**

B.A., Oakland University, 1984;  
M.A., Oakland University, 1987;  
M.L.S., University of Michigan, 1990. (1990)

**\*PAUL DOUGLAS FOWLER, Professor Emeritus of Industrial Engineering Technology**

B.I.E., Georgia Institute of Technology, 1954;  
M.S.I.M., Georgia Institute of Technology, 1965;  
Professional Engineer. (1971)

**WILLIAM H. FRANCISCO, Assistant Professor of Accounting**

B.S., University of Southern Mississippi, 1969;  
M.S., University of Southern Mississippi, 1975;  
C.M.A.; C.P.A., Mississippi, 1976. (1980)

**MARIE L. FRANKLIN, Instructor of English**

B.A., Georgia Southern College, 1985;  
M.Ed., Georgia Southern College, 1986;  
M.A., Georgia Southern College, 1990. (1987)

**SANDRA TINDOL FRANKLIN, Assistant Professor Emerita of Middle Grades and Secondary Education**

B.S., Georgia Southern College, 1959;  
M.S.T., Georgia Southern College, 1967;  
Ed.S., Georgia Southern College, 1975. (1960)

**\*WALTER J. FRASER, JR., Professor of History and Chair, Department of History**

B.A., University of Virginia, 1958;  
M.A., East Carolina University, 1964;  
Ph.D., University of Tennessee, 1970. (1982)

**BETSY L. FREEMAN, Instructor of English**

A.B.J., University of Georgia, 1970;  
M.Ed., University of Georgia, 1973;  
M.A., Georgia Southern College, 1989. (1989)

**\*FRANK E. FRENCH, Professor of Biology, Member Institute of Arthropodology and Parasitology**

B.S., Texas Technological College, 1957;  
M.S., Iowa State University, 1958;  
Ph.D., Iowa State University, 1962. (1969)

**HAL W. FULMER, Associate Professor of Communication Arts**

A.A., Albany Junior College, 1979;  
B.S., Georgia Southern College, 1981;  
M.A., University of Georgia, 1982;  
Ph.D., Louisiana State University, 1985. (1988)

**SONYA S. GAITHER, Assistant Government Documents Librarian and Temporary Assistant Professor**

B.S., LaGrange College, 1993;  
M.S., Clark-Atlanta University, 1994. (1995)

**\*SANDRA L. GALLEMORE, Professor of Sport Science and Physical Education**

B.S., Washington State University, 1964;  
M.S., Smith College, 1969;  
Ed.D., University of North Carolina at Greensboro, 1979. (1979)

**DAVID G. GANTT, Associate Professor of Biology and Adjunct Associate Professor of Anthropology**

B.A., University of Washington, 1971;  
M.A., Washington University, 1976;  
Ph.D., Washington University, 1977. (1992)

**ANN L. GARRIGUES, Temporary Instructor of Nursing**

B.S., Pittsburg State University, 1968;  
B.S.N., University of Kansas, 1970;  
M.S.N., Medical College of Georgia, 1977. (1991)

**\*ELIZABETH HARDIN GARRISON, Professor Emerita of Elementary Education**

A.B., University of Alabama, 1935;

M.Ed., University of Florida, 1955;  
Ed.D., University of Florida, 1964. (1964)

**\*X. L. GARRISON, Professor Emeritus of Administration and Supervision**  
B.S., University of Kentucky, 1937;  
M.Ed., University of Miami, 1948;  
Ed.D., University of Florida, 1966. (1968)

**JAYMIE C. GAST, Temporary Instructor of Management**  
B.S.M., Georgia Institute of Technology, 1989;  
M.B.A., Georgia Southern University, 1994. (1994)

**\*GEORGE W. GASTON, JR., Associate Professor of Educational Foundations and Curriculum**  
A.B., University of Georgia, 1957;  
M.Ed., University of Georgia, 1963;  
Ed. D., Indiana University, 1968. (1967)

**MARGARET Y. GEDDY, Assistant Professor of English**  
B.A., University of Missouri, 1977;  
M.A., University of Missouri, 1979;  
Ph.D., St. Louis University, 1986. (1987)

**FRIEDA GERNANT, Professor Emerita of Art**  
A.B., Western Michigan University, 1936;  
M.A., University of Michigan, 1944;  
Ed.D., Columbia University, 1964. (1946)

**CHRIS B. GEYERMAN, Assistant Professor of Communication Arts**  
B.S., Utah State University, 1983;  
M.A., Eastern Illinois University, 1984;  
Ph.D., Southern Illinois University, 1991. (1987)

**BRIAN J. GIBSON, Assistant Professor of Marketing**  
B.S.B.A., Central Michigan University, 1984;  
M.B.A., Wayne State University, 1991. (1994)

**DALE B. GIBSON, Instructor of Mathematics**  
B.S.Ed., Georgia Southwestern College, 1975;  
M.Ed., Georgia College, 1979. (1989)

**DIRK GIBSON, Associate Professor of Communication Arts**  
B.S., Southern Illinois University, 1977;  
M.A., Indiana University, 1979;  
Ph.D., Indiana University, 1983. (1992)

**TIMOTHY D. GILES, Instructor of English**  
B.A., East Carolina University, 1982;  
M.A., East Carolina University, 1986. (1989)

**\*PATRICIA INGLE GILLIS, Professor of English**  
A.B., Baylor University, 1951;  
M.A., Baylor University, 1952;  
Ph.D., University of Arkansas, 1965. (1971)

**PEGGY S. GILMORE, Serials Acquisitions, Librarian Emerita, and Associate Professor Emerita**  
A.B., Georgia State College for Women, 1953;  
M.Ln., Emory University, 1956. (1971)

**GARY M. GLASSMAN, Women's Tennis Coach and Adjunct Instructor of Sport Science and Physical Education**  
B.S., State University of New York College at Oneonta, 1989;  
M.S., Georgia Southern University, 1992. (1991)

**ANNA W. GLEISSNER, Temporary Instructor of Mathematics**  
B.S., University of Gdansk, 1977;  
M.S., University of South Carolina, 1980. (1993)

**STEPHEN J. GLUECKERT, Visiting Instructor of Chemistry**  
B.S., Rose-Hulman Institute of Technology, 1990;  
M.S., Southern Illinois University-Carbondale, 1994. (1994)

**EDGAR C. GODFREY, Associate Professor Emeritus of Technology**  
B.S.Ed., Ohio University, 1941;  
M.S., Ohio University, 1949. (1949)

**\*ABIODUN GOKE-PARIOLA, Associate Professor of English**  
B.A., University of Ife, Nigeria, 1974;  
A.D., University of Michigan, 1982. (1988)

**DOROTHY S. GOLDEN, Assistant Professor of English**  
A.B., University of Georgia, 1970;  
M.A., Clemson University, 1973. (1989)

**CYNTHIA A. GONZALEZ, Temporary Instructor of Mathematics**  
A.S. E. T., Trident Technical College, 1982;  
B.S., College of Charleston, 1988;  
M.S., College of Charleston, 1993. (1993)

**\*DANIEL B. GOOD, Professor of Geography, Member Institute Arthropodology and Parasitology**  
B.A., Emory and Henry College, 1965;  
M.S., University of Tennessee, 1967;  
Ph.D., University of Tennessee, 1973. (1969)

**PATRESA D. GOODE, Temporary Instructor of Mathematics**  
A.A., Jefferson State Community College, 1989;  
B.S., University of Alabama-Birmingham, 1991;  
M.S., University of Alabama-Birmingham, 1993. (1993)

**\*CARL W. GOODING, Dean of the College of Business Administration and Professor of Management**  
B.S., University of North Carolina, 1965;  
M.B.A., University of Georgia, 1972;  
Ph.D., University of Georgia, 1976. (1986)

**RUTH GOODING, Instructor of Reading**  
B.S., Frostburg State College, 1966;  
M.Ed., University of Georgia, 1972. (1987)

**NANCY A. GORDIN, Assistant Director of Admissions and Adjunct Instructor**  
A.A., Gainesville Junior College, 1980;

B.S., Georgia Southern College, 1982;  
M.T., Georgia Southern College, 1987. (1982)

**MARVIN L. GOSS, Cataloging Librarian and Assistant Professor**

B.A., Georgia State University, 1974;  
M.A., Georgia State University, 1980,  
M.Ln., Emory University, 1982. (1983)

**\*CHARLES W. GOSSETT, Assistant Professor of Political Science and Public Administration**

B.A., Hope College, 1973;  
M.A., Stanford University, 1975;  
Ph.D., Stanford University, 1986. (1992)

**BEVERLY L. GRAHAM, Assistant Professor of Communication Arts**

B.S.Ed., Eastern Illinois University, 1972;  
M.A., Eastern Illinois University, 1977;  
Ph.D., Southern Illinois University, 1991. (1988)

**\*JOHN P. GRAHAM, Professor Emeritus of Music**

B.M., North Texas State University, 1941;  
M.M., North Texas State University, 1947;  
Ed.D., University of Oklahoma, 1953. (1962)

**\*DALE F. GRANT, Assistant Professor of Student Development Programs**

B.A., Indiana University, 1968;  
M.S., Indiana University, 1972;  
Ph.D., University of Toledo, 1985. (1987)

**WILMER GRANT, JR., Associate Professor of Physics**

B.A., Hampton Institute, 1962;  
M.S., Indiana University, 1967;  
Ph.D., Indiana University, 1974. (1982)

**C. DOUGLAS GRAVES, Professor of Music**

B.S.Ed., West Chester State University, 1960;  
M.M.E., Indiana University, 1965;  
Ph.D., Michigan State University, 1972. (1987)

**\*EDWARD T. GREEN, Professor Emeritus of Educational Leadership**

B.S., Ithaca College, 1942;  
M.S., Syracuse University, 1947;  
Ed.D., Syracuse University, 1965. (1977)

**ROBERT W. GREENFIELD, Professor Emeritus of Anthropology and Sociology**

B.A., Kent State University, 1949;  
Ph.D., The Ohio State University, 1959. (1973)

**\*JEAN T. GREENWAY, Assistant Professor Emerita of Early Childhood Education**

B.A., Birmingham Southern College, 1954;  
M.A., George Peabody College for Teachers, 1954;  
Ed.D., East Tennessee State University, 1979. (1988)

**BRYAN W. GRIFFIN, Temporary Assistant Professor of Educational Leadership**

B.A., North Carolina State University, 1986;  
M.S., Florida State University, 1989;  
Ph.D., Florida State University, 1993. (1992)

**\*MARLYNN M. GRIFFIN, Assistant Professor of Educational Foundations and Curriculum**

B.S., Florida State University, 1984;  
M.S., Florida State University, 1985;  
M.S., Florida State University, 1989;  
Ph.D., Florida State University, 1992. (1992)

**\*PATSY GRIFFIN, Assistant Professor of English**

B.A., University of Arkansas, 1966;  
M.A., University of Arkansas, 1967;  
M.A., University of Rochester, 1983;  
Ph.D., University of Rochester, 1987. (1988)

**\*MARTHA GRINDLER, Associate Professor of Early Childhood Education**

B.S., West Georgia College, 1972; M.Ed.,  
Georgia Southern College, 1981; Ed.D.,  
University of Georgia, 1987. (1986)

**WILLIE KENT GUION, Assistant Professor of Sport Science and Physical Education**

B.S., North Carolina State University, 1987;  
M.D., University of North Carolina-Chapel Hill, 1992;  
M.A., University of North Carolina-Chapel Hill, 1994.  
(1994)

**\*JOHN E. GUTKNECHT, Associate Professor of Management**

B.S., Tulane University, 1954;  
M.B.A., Louisiana State University, 1965. (1986)

**\*DONALD F. HACKETT, Professor Emeritus of Technology and Dean Emeritus of the College of Technology**

B.S., University of Illinois, 1940;  
M.Ed., University of Missouri, 1947;  
Ed.D., University of Missouri, 1953. (1948)

**MARY HADLEY, Assistant Professor of English**

B.A., Leeds University (England), 1970;  
M.S., Southern Connecticut State University, 1987;  
M.S., Central Connecticut State University, 1992.  
(1994)

**\*DANIEL V. HAGAN, Professor of Biology, Member Institute of Arthropodology and Parasitology**

B.S.Ed., Georgia Southern College, 1968;  
M.S.T., Georgia Southern College, 1972;  
Ph.D., University of Georgia, 1979. (1980)

**\*H. STEPHEN HALE, Assistant Professor of Anthropology**

B.A., University of Central Florida, 1974;  
M.A., Florida Atlantic University, 1976;  
Ph.D., University of Florida, 1989. (1991)

**LAURA HALE, Instructor of Art**

B.F.A., Marshall University, 1987;  
M.A., Marshall University, 1989. (1989)

**ERA B. HALL, Temporary Instructor of Middle Grades and Secondary Education**

B.S.Ed., Auburn University, 1981;  
M.Ed., Georgia Southern University, 1994. (1994)

**BASIL HAMBLIN, Temporary Instructor of Communication Arts**

B.A., Miami University, 1962;  
M.A., Ohio State University, 1969. (1993)

**CURTIS HAMES, JR., Adjunct Associate Professor of Health Science Education**

B.S., (Mental Health/Human Services), Georgia Southern College, 1968;  
B.S., (Pharmacy), University of Georgia, 1972;  
M.D., Universidad Autonoma de Guadalajara, 1978. (1987)

**CURTIS HAMES, SR., Adjunct Professor of Health Science Education**

B.S., University of Georgia, 1941;  
M.D., University of Georgia, 1944. (1987)

**ANN H. HAMILTON, Associate University Librarian and Associate Professor**

B.A., University of Montevallo, 1968;  
M.A., Mississippi State University, 1970;  
M.Ln., Emory University, 1971;  
D.A.S.L., Emory University, 1988. (1992)

**BERNITA K. HAMILTON, Assistant Professor of Nursing**

B.S.N., University of Alabama-Birmingham, 1976;  
M.S.N., University of Alabama-Birmingham, 1979. (1991)

**DIANE B. HAMILTON, Assistant Professor of Health Science Education**

B.S.A.S., Youngstown State University, 1980;  
M.S.Ed., Youngstown State University, 1983;  
Ph.D., Pennsylvania State University, 1994. (1994)

**\*LYNDA S. HAMILTON, Professor of Legal Studies and Acting Chair, Department of Accounting**

B.A., Wesleyan College, 1965;  
M.A., Clemson University, 1967;  
J.D., University of Georgia, 1981. (1982)

**DIANA J. HAMMITTE, Assistant Professor of Student Development Programs**

B.S., University of Alabama, 1976;  
M.A., University of Alabama, 1987;  
Ed.D., University of Alabama, 1990. (1994)

**ROBERT W. HANEY, JR., Assistant Professor of Spanish and Assistant Vice President for Academic Affairs**

B.A., Mercer University, 1972;  
M.A., University of Kentucky, 1974;  
Ph.D., University of Kentucky, 1982. (1982)

**\*CHARLENE M. HANSON, Associate Professor of Nursing**

B.S., State University of New York at Oneonta, 1972;  
M.S., Syracuse University, 1979;  
Ed.D., University of Georgia, 1986. (1981)

**HIRAM STANLEY HANSON, Professor Emeritus of Geology and Head Emeritus, Department of Geology and Geography**

B.A., Emory University, 1946;  
M.S., Emory University, 1949;  
M.A., Emory University, 1959;  
Ph.D., University of Arizona, 1966. (1964)

**ROGER BRIAN HANSON, Adjunct Associate Professor of Biology (Skidaway Institute of Oceanography)**

B.A., University of California at Los Angeles, 1967;  
M.S., California State University at Long Beach, 1970;  
Ph.D., University of Hawaii, 1974. (1977)

**\*ROLAND HANSON, Associate Professor of Industrial Engineering Technology and Chair, Department of Engineering Technology**

B.S., Engr., Fairleigh Dickinson University, 1957;  
MBA, Fairleigh Dickinson University, 1960;  
Professional Engineer. (1981)

**ELAINE MARIE HAPSHE, Temporary Associate Professor of Nursing**

B.S., Marymount Manhattan College, 1973;  
M.S.N., Arizona State University, 1976;  
Ph.D., Texas Woman's University, 1994. (1995)

**CHARLES J. HARDY, Professor of Sport Science and Physical Education and Chair, Department of Sport Science and Physical Education**

B.S., East Carolina University, 1978;  
M.S., University of Tennessee-Knoxville, 1980;  
Ph.D., Louisiana State University-Baton Rouge, 1983. (1994)

**SARA-ELIZABETH HARDY, Assistant Professor Emerita of Mathematics**

B.A., Georgia College, 1956;  
M.A., Florida State University, 1957. (1964)

**PEGGY G. HARGIS, Assistant Professor of Sociology**

B.A., University of Alaska-Anchorage, 1978;  
M.S., University of Alaska-Anchorage, 1979,  
Ph.D., University of Georgia, 1994. (1994)

**\*HORACE W. HARRELL, Associate Professor of Accounting**

B.B.A., Georgia Southern College, 1969;  
M.B.A., University of Georgia, 1970;  
Ph.D., University of Georgia, 1976;  
C.P.A., Georgia, 1978. (1972)

**JANET R. HARRIS, Adjunct Instructor of Nursing**

B.S.N., University of Nebraska Medical Center, 1976;  
M.N., University of Washington, 1989. (1993)

**BARBARA E. HARRIS CHESNUT, Temporary Instructor of Student Development Programs**

B.S.Ed., University of Georgia, 1975;  
M.Ed., Columbus College, 1981;  
Ed.S., Georgia Southern College, 1989. (1988)

**\*GALE AILEEN HARRISON, Associate Professor of Political Science**

B.A., Agnes Scott College, 1967;  
M.A., Vanderbilt University, 1970;  
Ph.D., Vanderbilt University, 1976. (1988)



**JAMES ORION HARRISON, JR., Reference Librarian and Associate Professor**  
A.B., Georgia State University, 1969;  
M.Ln., Emory University, 1970. (1970)

**\*RONALD J. HARSHBARGER, Associate Professor of Mathematics**  
B.S.Ed., Shippensburg State College, 1960;  
M.S.T., University of New Hampshire, 1965;  
Ph.D., University of Pittsburgh, 1970. (1991)

**ROGER C. HART, Temporary Assistant Professor of Physics**  
B.A., University of Tennessee-Knoxville, 1985;  
Ph.D., University of Tennessee-Knoxville, 1991.  
(1994)

**\*GREGORY W. HARWOOD, Assistant Professor of Music**  
B.A., Brigham Young University, 1978;  
M.A., Brigham Young University, 1980;  
Ph.D., New York University, 1991. (1991)

**SHAFIK HASHMI, Professor of Political Science**  
B.A., Osmania University (India), 1951;  
M.P.A., University of the Philippines, 1959;  
Ph.D., University of Kansas, 1964. (1989)

**\*ZIA HASAN HASHMI, Professor of Political Science and Director of the Center for International Studies**  
B.Sc., Osmania University (India), 1953;  
L.L.B., Aligarh University (India), 1957;  
M.A., Aligarh University, 1958;  
Ph.D., University of South Carolina, 1970. (1968)

**VASSILIOS HASSAPIS, Associate Professor Emeritus of Physics**  
B.S., University of Athens, Greece, 1957;  
M.S., Florida State University, 1965;  
Ph.D., Florida State University, 1973. (1967)

**JOHN J. HATEM, Associate Professor of Finance and Economics**  
B.S., Yale University, 1980;  
Ph.D., Louisiana State University, 1990. (1990)

**DIANE D. HATHAWAY, Laboratory Coordinator of Biology**  
B.S., Armstrong State College, 1976;  
M.Ed., Armstrong State College, 1982. (1986)

**\*RICHARD J. HATHAWAY, Associate Professor of Mathematics**  
B.S., University of Georgia, 1979;  
Ph.D., Rice University, 1983. (1986)

**\*JAMES DONALD HAWK, Professor Emeritus of Educational Foundations and Curriculum and Chair Emeritus, Department of Educational Foundations and Curriculum**  
B.S., University of Georgia, 1955;  
M.Ed., University of Georgia, 1956;  
Ed.D., University of Georgia, 1959. (1962)

**C. VICKIE HAWKINS, Director of Residence Life**

**and Adjunct Instructor**  
B.S.T., Barber-Scotia College, 1977;  
M.A., Appalachian State University, 1979. (1989)

**\*AMY R. HEASTON, Assistant Professor of Early Childhood Education and Reading**  
B.S., Bowling Green State University, 1982;  
M.A.E., Ball State University, 1989;  
Ed.D., Ball State University, 1991. (1991)

**DAVID F. HEATH, Temporary Instructor of Mathematics**  
B.A., King College, 1990;  
M.S., East Tennessee State University, 1992. (1993)

**JEANETTE M. HECKER, Assistant Professor of French**  
B.A., University of Illinois-Urbana, 1983;  
M.A., Northwestern University, 1991. (1994)

**\*SYNNOVE J. HEGGOY, Associate Professor of Special Education and Director of The Regents' Center for Learning Disorders**  
B.A., Vanderbilt University, 1965;  
M.Ed., University of Georgia, 1974;  
Ed.S., University of Georgia, 1978;  
Ph.D., University of Georgia, 1985. (1984)

**\*LANCE WARREN HEMBERGER, Assistant Professor of Educational Psychology**  
B.A., Westminster College, 1963;  
M.S., University of Georgia, 1965;  
Ph.D., University of Georgia, 1969. (1969)

**WILLIAM FLOYD HENDERSON, Temporary Instructor, Learning Resources Center**  
B.S., Georgia Southern University, 1991;  
M.B.A., Georgia Southern University, 1993. (1994)

**ELLEN HUDGINS HENDRIX, Instructor of English**  
B.S.Ed., Georgia Southern College, 1986;  
M.A., Georgia Southern University, 1990. (1993)

**\*BARBARA A. HENDRY, Assistant Professor of Anthropology**  
B.A., Florida State University, 1972;  
M.A., Florida State University, 1983;  
Ph.D., University of Florida, 1991. (1991)

**JOHN W. HENRY, Assistant Professor of Management**  
B.S., Valdosta State College, 1969;  
B.B.A., Valdosta State College, 1985;  
M.B.A., Valdosta State College, 1978;  
Ph.D., Valdosta State University, 1992. (1985)

**\*NICHOLAS L. HENRY, Professor of Public Administration and President**  
B.A., Centre College, 1965;  
M.A., Pennsylvania State University, 1967;  
M.P.A., Indiana University, 1970;  
Ph.D., Indiana University, 1971. (1987)

**VERNON J. HENRY, JR., Part-time Professor of Geology**

B.S., Lamar State College of Technology, 1953;  
M.S., Texas A&M College, 1955;  
Ph.D., Texas A&M College, 1961. (1991)

**KAYE A. HERTH, Professor of Nursing and Chair,  
Department of Nursing**

B.S., Northern Illinois University, 1968;  
M.S., University of Minnesota, 1973;  
Ph.D., Texas Woman's University, 1987. (1993)

**\*EDWIN THOMPSON HIBBS, Professor Emeritus  
of Biology**

A.B., Ohio State University, 1941;  
M.S., Ohio State University, 1943;  
Ph.D., Ohio State University, 1950. (1970)

**\*KEITH FREDERICK HICKMAN, Professor of  
Drafting and Design Technology and Chair,  
Department of Industrial Technology**

B.S., Colorado State University, 1955;  
M.Ed., Colorado State University, 1959;  
Ed.D., University of Northern Colorado, 1967. (1967)

**GLADYS A. HICKS, Assistant Professor Emerita  
of English**

B.A., University of Maine, 1952;  
M.A., Barry College, 1966. (1982)

**ELDONNA M. HILDE, Assistant Professor of  
Nursing**

B.S., Union College, 1967;  
M.S.N., Medical College of Georgia, 1979. (1981)

**RICHARD L. HILDE, Associate Professor of  
Marketing**

B.S., Minot State College, 1965;  
M.B.A., St. Mary's University, 1969;  
Ph.D., University of North Dakota, 1973. (1973)

**DENNY E. HILL, Assistant Professor of Sociology**

B.A., University of Florida, 1971;  
M.A., University of Florida, 1973. (1973)

**MARILYN HILL, Part-time Instructor of Reading**

B.S.Ed., Georgia Southern College, 1976;  
M.Ed., Georgia Southern College, 1982. (1988)

**\*JESSICA HINES, Associate Professor of Art**

A.A., St. Louis Community College, 1980;  
B.F.A., Washington University, 1982;  
M.F.A., University of Illinois, 1984. (1984)

**\*WILLIAM LAWRENCE HITCHCOCK,  
Professor Emeritus of Educational Psychology and  
Counseling**

B.S.A., University of Georgia, 1942;  
M.Ed., University of Georgia, 1948;  
Ed.D., Oregon State College, 1953. (1960)

**ANGELA E. HODGE, Temporary Instructor of  
English**

B.A., Augusta College, 1984;  
M.A., New York University, 1987. (1992)

**PHILIP L. HODGE, Director of Facilities Planning  
and Space Utilization and Adjunct Associate**

**Professor of Industrial Technology** B.Arch.,  
University of Illinois, 1957; M.Arch.,  
University of Illinois, 1967. (1992)

**DELORIS B. HODGES, Temporary Instructor of  
Mathematics**

B.S.Ed., University of Georgia, 1975;  
M.Ed., University of Georgia, 1978. (1993)

**\*J. FRANK HODGES, JR., Professor of Finance  
and Insurance**

B.S.I.M., Georgia Institute of Technology, 1954;  
M.B.A., Georgia State University, 1962;  
Ph.D., University of Georgia, 1973. (1980)

**SUSAN M. HODGES, Temporary Instructor of  
Marketing**

B.S., Georgia Southern College, 1976;  
M.Ed., Georgia Southern College, 1982. (1990)

**\*DONNA A. HODNICKI, Associate Professor of  
Nursing**

B.S.N., Medical College of Georgia, 1978;  
M.N., University of South Carolina, 1980;  
Ph.D., Medical College of Georgia, 1992. (1983)

**CLAYTON HENRY HOFF, Assistant Professor  
Emeritus of English**

B.A., McGill University, 1950;  
M.A., Washington University, 1951. (1962)

**\*JAMES A. HOLMES, Associate Professor of  
Printing Management**

B.S., Appalachian State University, 1970;  
M.Ed., Virginia State University, 1975;  
Ed.D., Virginia Polytechnic Institute and State  
University, 1986. (1989)

**JAMES M. HOOD, Assistant Professor Emeritus of  
Educational Psychology and Counseling**

B.S.Ed., Georgia Southern College, 1959;  
M.Ed., University of Georgia, 1964;  
Ph.D., University of Alabama, 1972. (1968)

**ADELE M. HOOLEY, Assistant Professor Emerita  
of English**

B.S., Shippensburg State College, 1950;  
M.Ed., Georgia Southern College, 1966. (1967)

**DONNA ROSS HOOLEY, Instructor of English**

B.A., Georgia Southern College, 1975;  
M.A., Georgia Southern College, 1982. (1982)

**BARBARA L. HORAN, Associate Professor of  
Philosophy**

B.A., Oberlin College, 1978;  
M.S., University of Minnesota-Minneapolis, 1984;  
Ph.D., University of Minnesota-Minneapolis, 1985.  
(1994)

**\*ALICE ANN HOSTICKA, Associate Professor of  
Early Childhood Education**

B.A., Antioch College, 1965;  
M.Ed., University of Pittsburgh, 1969;  
Ph.D., University of Pittsburgh, 1973. (1987)

**MARY MARGARET HOY, Temporary Instructor of Mathematics**

B.S., Newberry College, 1990;  
M.S., University of South Carolina, 1992. (1992)

**\*YINGKANG HU, Assistant Professor of Mathematics and Computer Science**

B.S., Beijing Institute of Chemical Technology, 1982;  
Ph.D., University of South Carolina, 1989. (1989)

**\*JANE RHOADES HUDAK, Associate Professor of Art**

B.F.A., Capital University, 1976;  
Ph.D., Ohio State University, 1987. (1989)

**\*LAWRENCE HUFF, Professor Emeritus of English and Head Emeritus, Department of English and Philosophy**

A.B., University of Georgia, 1941;  
M.A., University of Georgia, 1948;  
Ph.D., Vanderbilt University, 1958. (1958)

**NANCY H. HUFFMAN, Instructor of Reading and English**

B.S.Ed., West Virginia State College, 1971;  
M.A., West Virginia College of Graduate Studies, 1974;  
M.A., West Virginia College of Graduate Studies, 1987. (1987)

**RICHARD C. HULBERT, Assistant Professor of Geology**

B.S., University of Texas-Austin, 1976;  
M.A., University of Texas-Austin, 1979;  
Ph.D., University of Florida, 1987. (1990)

**\*JOHN B. HUMMA, Professor of English**

B.A., George Washington University, 1963;  
M.A., Southern Illinois University, 1965;  
Ph.D., Southern Illinois University, 1969. (1969)

**\*MICHAEL O. HURST, Assistant Professor of Chemistry**

B.S., University of Missouri-Kansas City, 1977;  
Ph.D., Iowa State University, 1983. (1988)

**HENRY ILER, Associate Professor of Art**

B.F.A., University of Georgia, 1962;  
M.F.A., University of Georgia, 1965. (1970)

**\*WILLIAM S. IRBY, Assistant Professor of Biology, Member Institute of Arthropodology and Parasitology**

B.A., University of Oregon, 1979;  
M.S., North Carolina State University, 1983;  
Ph.D., North Carolina State University, 1987. (1988)

**MARY H. JACKSON, Assistant Professor of Student Development Programs**

B.A., University of Texas, 1964;  
M.Ed., East Texas State University, 1986;  
Ed.D., East Texas State University, 1991. (1993)

**SABA M. JALLOW, Assistant Professor of Political Science**

B.S., West Virginia University, 1980;  
M.S., West Virginia University, 1981;  
M.S., West Virginia University, 1983;  
Ph.D., West Virginia University, 1992. (1989)

**ELEANOR J. JAMES, Assistant Professor Emerita of English**

B.S., Texas Tech University, 1969;  
M.A., University of Nebraska at Omaha, 1974. (1975)

**ORIGEN J. JAMES, Professor Emeritus of Accounting and Dean Emeritus, College of Business Administration**

B.S., Texas A & M University, 1958;  
M.B.A., Texas A & M University, 1959;  
Ph.D., Texas Tech University, 1969. (1974)

**TOSHIKO Y. JEDLICKA, Temporary Instructor of Japanese**

B.A., Rikkyo University, 1958;  
M.A., University of Hawaii-Honolulu, 1971. (1994)

**\*STEPHEN JENKINS, Associate Professor of Educational Leadership, Technology and Research**

B.S., Ball State University, 1976;  
M.S., Indiana University, 1979;  
Ph.D., Indiana University, 1982. (1990)

**DIANA Y. JIANG, Cataloging Librarian and Assistant Professor**

B.A., Tamkang University, 1980;  
M.A., Northeast Louisiana University, 1986;  
M.Ed., Northeast Louisiana University, 1987;  
M.L.S., University of Southern Mississippi, 1989. (1994)

**CATHERINE T. JOHNSON, Assistant Professor of German**

B.A., University of Michigan-Ann Arbor, 1986;  
M.A., University of Michigan-Ann Arbor, 1990. (1994)

**JANE G. JOHNSON, Head Acquisitions Librarian and Professor**

A.B., Converse College, 1957;  
M.S., Louisiana State University, 1968. (1977)

**KENNETH H. JOHNSON, Assistant Professor of Accounting**

B.A., Auburn University, 1962;  
B.S., Auburn University, 1978;  
M.B.A., Auburn University, 1981;  
Ph.D., Georgia State University, 1989. (1991)

**RICHARD B. JOHNSON, Associate Professor of Communication Arts**

B.A., Idaho State University, 1959;  
M.F.A., Ohio University, 1962;  
Ph.D., Southern Illinois University, 1970. (1970)

**KEN P. JOHNSTON, Visiting Assistant Professor of Finance and Economics**

B.Comm., Carleton University, 1983;  
M.B.A., Florida State University, 1986;  
Ph.D., Florida State University, 1994. (1994)

**\*GEORGE HEWETT JOINER, JR., Professor of History**

B.A., Emory University, 1963;  
M.A., Northwestern University, 1966;  
Ph.D., Northwestern University, 1971. (1968)

**DONNA N. JONES, Assistant Professor Emerita of English**

B.M., Stetson University, 1953;  
M.A., Georgia Southern College, 1979. (1982)

**ESPERANZA P. JONES, Temporary Instructor of Spanish**

B.A., Universidad del Valle, 1983;  
M.Ed., Georgia Southern College, 1988. (1992)

**\*GERALD A. JONES, Professor and Director of Engineering Studies**

B.S., Mississippi State University, 1968;  
M.S., Mississippi State University, 1971;  
Ph.D., Mississippi State University, 1988. (1991)

**\*MARCIA NOREEN JONES, Associate Professor of Economics**

B.S., University of the West Indies, 1980;  
M.S., University of Illinois, 1983;  
Ph.D., University of Illinois, 1986. (1986)

**WARREN F. JONES, JR., Dean Emeritus of the College of Arts and Sciences and Professor Emeritus of Psychology**

B.A., Union University, 1950;  
M.A., Peabody College, 1951;  
Ph.D., Vanderbilt University, 1953. (1972)

**WESLEY M. JONES, JR., Instructor of Finance and Economics**

B.B.A., Georgia Southern College, 1982;  
M.B.A., Georgia Southern College, 1989. (1990)

**A. BARRY JOYNER, Assistant Professor of Sport Science and Physical Education**

B.S.Ed., Georgia Southern College, 1985;  
M.Ed., Auburn University, 1986;  
Ph.D., University of Georgia, 1992. (1992)

**JASON D. JOYNER, Temporary Instructor of Sociology**

B.A., Georgia Southern University, 1992;  
M.A., Kent State University, 1994. (1994)

**MARTHA ANN KALLSTROM, Assistant Professor of English**

B.A., College of Wooster, 1980;  
M.A., Ohio State University, 1983;  
M.A., Ohio State University, 1985;  
Ph.D., Ohio State University, 1989. (1989)

**\*HOWARD M. KAPLAN, Director of Research and Associate Professor of Sociology**

B.A., University of Pennsylvania, 1963;  
M.A., University of Pennsylvania, 1967;  
Ph.D., University of Pennsylvania, 1971. (1984)

**CONSTANTINE KARIOTIS, Associate Professor of Mathematics**

B.S., National and Capodistrian University, 1956;  
M.S., DePaul University, 1962;  
Ph.D., University of Illinois, 1966. (1969)

**\*JOHN B. KARRH, Professor of Civil Engineering Technology**

B.S., University of Alabama, 1958;  
M.S., Stanford University, 1959;  
Ph.D., University of Alabama, 1970;  
Registered Professional Engineer; Registered Land Surveyor. (1988)

**\*MALCOLM KATZ, Professor Emeritus of Educational Leadership**

B.S., Rutgers University, 1949;  
M.A., Teachers College, Columbia University, 1950;  
Ed.D., Teachers College, Columbia University, 1958. (1983)

**JAMES E. KEIRANS, Curator of the National Tick Collection, Professor of Biology, and Member, Institute of Arthropodology and Parasitology**

A.B., Boston University, 1960;  
A.M., Boston University, 1963;  
Ph.D., University of New Hampshire, 1966;  
M.L.S., University of Maryland, 1990. (1990)

**RICHARD ALLEN KEITHLEY, Assistant Professor of English**

B.A., Vanderbilt University, 1965;  
M.A., University of North Carolina-Chapel Hill, 1969. (1967)

**CRAIG K. KELLOGG, Associate Professor of Chemistry**

B.S., Georgia Institute of Technology, 1959;  
Ph.D., Georgia Institute of Technology, 1963. (1966)

**JESSE LANDRUM KELLY, JR., Assistant Professor of Political Science and Public Administration**

B.S., Furman University, 1970;  
M.A., University of Florida, 1974;  
Ph.D., University of Florida, 1978. (1992)

**\*JANICE KENNEDY, Associate Professor of Psychology**

B.S., Georgia State University, 1973;  
M.A., Georgia State University, 1977;  
Ph.D., Georgia State University, 1980. (1984)

**VERDERY B. KENNEDY, Assistant Professor of Reading**

B.A., University of Georgia, 1965;  
M.S.Ed., Oregon College of Education, 1967. (1978)

**\*JUDITH F. KENT, Assistant Professor of Early Childhood Education and Reading**

B.S., University of South Alabama, 1982;  
M.Ed., University of South Alabama, 1986;  
Ph.D., Florida State University, 1991. (1990)

**\*RUSSELL L. KENT, Associate Professor of Management**

A.A.S., Regis College, 1977;  
B.S., Florida State University, 1979;

M.B.A., University of South Alabama, 1983;  
Ph.D., Florida State University, 1991. (1990)

**SOPHIA D. KENT, Instructor of Early Childhood Education and Reading**

B.S.Ed., Georgia Southern College, 1980;  
M.Ed., Georgia Southern College, 1982;  
Ed.D., University of Georgia, 1992. (1992)

**\*J. BERNARD KEYS, Callaway Professor of Business**

B.S., Tennessee Technical University, 1960;  
M.S., University of Tennessee, 1964;  
Ph.D., University of Oklahoma, 1970. (1984)

**LOUISE MORTON KEYS, Instructor of Reading**

B.S., Tennessee Technological University, 1960.  
(1984)

**\*PAUL RUSSELL KLEINGINNA, Professor of Psychology and Member, Institute of Arthropodology and Parasitology**

A.B., University of Miami, 1964;  
M.S., University of Miami, 1967;  
Ph.D., University of Miami, 1970. (1970)

**DAN L. KLUEVER, Assistant Professor of Communication Arts**

B.A., University of Hawaii-Manoa, 1974;  
M.F.A., University of Hawaii-Manoa, 1979. (1990)

**STEVEN B. KNABLE, Adjunct Assistant Professor of Military Science**

B.A., Wofford College, 1982. (1994)

**WILLIAM E. KNIGHT, Assistant Professor of Educational Leadership, Technology and Research and Assistant Director of Institutional Research and Planning**

B.S.Ed., Kent State University, 1987;  
M.Ed., Kent State University, 1989;  
Ph.D., Kent State University, 1992. (1993)

**\*ULYSSES S. KNOTTS, JR., Professor of Management**

B.B.A., University of Georgia, 1948;  
M.L., University of Pittsburgh, 1957;  
Ph.D., University of Nebraska, 1971. (1977)

**MICHAEL J. KOCUREK, Adjunct Professor of Engineering Technology**

B.S., State University of New York College of Environmental Science and Forestry of Syracuse, 1964;  
M.S., State University of New York College of Environmental Science and Forestry of Syracuse, 1968;  
Ph.D., State University of New York College of Environmental Science and Forestry of Syracuse, 1970. (1988)

**\*KATHLEEN A. KOON, Associate Professor of Nursing**

B.S.N., D'Youville College, 1965;  
M.S.N., Vanderbilt University, 1971;  
Ph.D., University of Virginia, 1991. (1991)

**WANDA M. KOSZEWSKI, Assistant Professor of Family and Consumer Sciences**

B.S., Utah State University, 1981;  
M.S., University of Nebraska-Lincoln, 1984;  
Ph.D., Kansas State University, 1988. (1994)

**VENG S. KOUCH, Associate Professor of Electrical Engineering Technology**

B.S.E.E., West Virginia University, 1967;  
M.S.E.E., West Virginia University, 1969;  
Ph.D., Arizona State University, 1980. (1987)

**\*WAYNE ALLAN KRISSINGER, Professor of Biology and Member, Institute of Arthropodology and Parasitology**

B.S., Georgia Southern College, 1964;  
M.S., Georgia Southern College, 1967;  
Ph.D., Medical College of Georgia, 1975. (1965)

**JERRI J. KROPP, Associate Professor of Family and Consumer Sciences and Director of the Family Life Center**

A.B., West Georgia College, 1976;  
M.S., University of Georgia, 1979;  
Ph.D., University of Georgia, 1983. (1993)

**JOSEPH P. KROPP, Temporary Associate Professor of Psychology**

A.B., Indiana University-Bloomington, 1977;  
M.S., University of Georgia, 1979;  
Ph.D., University of Georgia, 1983. (1994)

**CLARA E. KRUG, Professor of French**

B.A., Madison College, 1968;  
M.A., Michigan State University, 1970;  
Ph.D., Michigan State University, 1978. (1978)

**GAUTAM KUNDU, Assistant Professor of English**

M.A., University of Calcutta, 1968;  
M.Phil., Jadavpur University, 1978;  
M.A., Simon Fraser University, 1981;  
Ph.D., Oklahoma State University, 1987. (1991)

**HORST KURZ, Assistant Professor of German**

B.A., Universitat Augsburg, 1982;  
M.A., The Ohio State University, 1986;  
Ph.D., The Ohio State University, 1992. (1993)

**\*PATRICIA ANN LACERVA, Associate Professor of English**

B.A., Southeastern Louisiana College, 1960;  
M.A., Auburn University, 1962;  
Ph.D., Louisiana State University, 1971. (1970)

**SAID M. LADKI, Associate Professor of Family and Consumer Sciences**

B.S., Oklahoma State University, 1987; M.S., University of Wisconsin-Stout, 1989; Ph.D., Virginia Polytechnic Institute and State University, 1993. (1994)

**\*PAUL G. LAGRONE, Professor Emeritus of Accounting and Dean Emeritus of School of Business**

B.S., Bowling Green College of Commerce, 1947;  
M.B.A., University of Denver, 1948;

Ph.D., University of Alabama, 1958. (1962)

**DENNIS M. LAMBERT, Temporary Assistant Professor of Engineering Studies**

B.M.E., GMI Engineering and Management Institute, 1976;

M.S.M.E., Georgia Institute of Technology, 1988;  
Ph.D., Georgia Institute of Technology, 1994. (1994)

**GRACE RYAN LAMBIE, Assistant Professor Emerita of Elementary Education**

B.S., Central Michigan University, 1955;  
M.Ed., University of Miami, 1963. (1968)

**THOMAS D. LAMBIE, Adjunct Instructor of Sport Science and Physical Education**

B.A., Georgia Southern College, 1976. (1987)

**RAYMOND M. LANDRY, Associate Professor of Accounting**

B.S., Clemson University, 1975;

M.B.A., The Citadel, 1981;

Ph.D., University of Arkansas, 1987. (1992)

**\*BETTY LANE, Professor Emerita and Chairman Emerita, Division of Home Economics**

B.S., Georgia College, 1949;

M.Ed., University of Georgia, 1956;

Ph.D., Florida State University, 1962. (1953)

**DORIS N. LANIER, Associate Professor Emerita of English**

B.A., Georgia Southern College, 1968;

M.A., Georgia Southern College, 1970;

Ed.S., Georgia Southern College, 1974. (1972)

**\*NANCY J. LANIER, Associate Professor of Special Education**

A.B., Brenau College, 1949;

M.Ed., Georgia Southern College, 1973;

Ed.S., Georgia Southern College, 1976;

Ed.D. University of South Carolina, 1983. (1973)

**SUSIE M. LANIER, Instructor of Mathematics**

B.S.Ed., Georgia Southern College, 1981;

M.S.T., Georgia Southern College, 1983. (1983)

**CYPRIEN J. LAPORTE, Adjunct Instructor of Military Science**

Captain, United States Army;

B.S., Cameron University, 1985. (1992)

**SAUL J. LASKIN, Professor of Mechanical Engineering Technology**

B.M.E., City College of New York, 1956;

M.M.E., City College of New York, 1962;

M.S., University of Rochester, 1967;

Ph.D., University of Rochester, 1972;

Professional Engineer. (1979)

**\*DEWITT EARL LAVENDER, Associate Professor of Mathematics**

B.S., University of Georgia, 1962;

M.A., University of Georgia, 1963;

Ph.D., University of Georgia, 1966. (1966)

**\*H. DOUGLAS LEAVITT, Dean Emeritus of the College of HPERN and Professor Emeritus of Recreation**

B.S., Indiana University, 1948;

M.S., Indiana University, 1957;

H.S.D., Indiana University, 1964. (1962)

**JOSHUA A. LEE, Adjunct Professor of Biology**

B.A., San Diego State University, 1950;

Ph.D., University of California-Northern Division,

1958. (1991)

**RICHARD F. LEE, Adjunct Professor of Biology**

B.A., San Diego State University, 1964;

M.A., University of California-San Diego, 1966;

Ph.D., Duke University, 1970. (1995)

**HUGH G. LEFCORT, Assistant Professor of Biology**

B.A., University of Washington, 1985;

Ph.D., Oregon State University, 1993. (1993)

**JONATHAN I. LEIB, Assistant Professor of Geography**

B.A., Mary Washington College, 1985;

M.A., Syracuse University, 1987;

Ph.D., Syracuse University, 1992. (1992)

**\*WILLIAM B. LEVERNIER, Associate Professor of Economics**

B.B.Ad., Gonzaga University, 1978;

M.A., University of Tennessee, 1981;

Ph.D., West Virginia University, 1988. (1989)

**MARGARET A. LEWIN, Adjunct Instructor of Nursing**

B.S.N., Salem State College, 1979;

M.S., Boston University, 1986. (1990)

**\*ROBERT FULTON LEWIS, Associate Professor Emeritus of Reading**

B.S.Ed., Auburn University, 1952;

M.S., Auburn University, 1958;

M.Ed., Auburn University, 1960;

Ed.D., Auburn University, 1963. (1963)

**MING LI, Assistant Professor of Sport Science and Physical Education**

B.Ed., Guangzhou Institute of Physical Culture, 1983;

M.Ed., Hangzhou University, 1986;

Ed.D., University of Kansas, 1992. (1991)

**\*XIEZHANG LI, Assistant Professor of Mathematics and Computer Science**

B.S., Shanghai Teachers University, 1966;

M.S., Shanghai Teachers University, 1981;

Ph.D., Kent State University, 1990. (1990)

**\*RALPH LIGHTSEY, Professor Emeritus of Educational Research**

A.B., Mercer University, 1945;

B.D., Emory University, 1951;

Th.M., Columbia Seminary, 1955;

Ed.D., University of Georgia, 1965. (1965)

**JOHN ROBERT LINDSEY, Professor Emeritus of Education**

B.S., Clemson University, 1948; M.Ed., Mercer University, 1953; A.M.Ed., Florida State University, 1956; Ed.D., Florida State University, 1966. (1958)

**DELORES D. LISTON, Temporary Assistant Professor of Educational Foundations and Curriculum**

B.A., University of Oklahoma, 1983; M.A., Florida State University, 1986; Ph.D., University of North Carolina-Greensboro, 1994. (1994)

**\*BRUCE LITTLE, Associate Professor of Art**

B.F.A., Auburn University, 1976; M.F.A., Auburn University, 1979; Ed.D., University of Georgia, 1993. (1988)

**\*EDWARD G. LITTLE, Associate Professor Emeritus of English and French**

A.B., Hiram College, 1949; M.A., University of Michigan, 1950; Certificate, Syracuse University (Russian Language), 1954; Ph.D., Michigan State University, 1969. (1964)

**MELISSA J. LIVENGOOD, Temporary Instructional Services Coordinator and Adjunct Assistant Professor of Music**

B.A. and B.M., Willamette University, 1980; M.M., University of Oregon, 1984; D.M.A., Catholic University of America, 1992. (1995)

**\*JOHN THOMAS LLOYD, JR., Associate Professor of English**

B.A., Dartmouth College, 1973; B.A., Corpus Christi College, Cambridge University, 1976; M.A., Corpus Christi College, Cambridge University, 1980; Ph.D., University of Wisconsin, 1983. (1984)

**\*MARGARET A. LLOYD, Professor of Psychology**

B.A., University of Denver, 1964; M.S.Ed., Indiana University, 1966; M.A., University of Arizona, 1972; Ph.D., University of Arizona, 1973. (1988)

**JAMES M. LoBUE, Assistant Professor of Chemistry**

B.A., Carleton College, 1978; Ph.D., Wesleyan University, 1986. (1993)

**NAN STEVENS LoBUE, Temporary Instructor of English**

B.A., Carleton College, 1978; M.A.L.S., Wesleyan University, 1984. (1993)

**WANDA LOFTIN, Assistant Professor of Nursing**

B.S., Armstrong State College, 1976; M.S.N., Medical College of Georgia, 1977. (1987)

**\*BILL P. LOVEJOY, Professor Emeritus of****Biology**

B.S., Muskingum College, 1951; M.S., University of New Mexico, 1958; Ph.D., Oregon State University, 1972. (1968)

**DAVID A. LOWDER, Systems Librarian and Assistant Professor**

A.B.J., University of South Carolina, 1977; M.Ln., University of South Carolina, 1983. (1995)

**MICHAEL J. LUDWIG, Assistant Professor of Health Science Education**

B.S.Ed., State University of New York-Cortland, 1976; M.S.Ed., State University of New York-Cortland, 1981; Ph.D., Pennsylvania State University, 1994. (1994)

**JAMES WALTER LYNCH, Assistant Professor Emeritus of Mathematics**

B.A., University of Georgia, 1952; M.A., University of Georgia, 1956. (1961)

**MONIKA F. LYNCH, Assistant Professor Emerita of German**

B.A., Georgia Southern College, 1969; M.A., University of Georgia, 1972. (1972)

**GEORGE W. LYNTS, Visiting Professor of Geology**

B.S., University of Wisconsin, 1959; M.S., University of Wisconsin, 1961; Ph.D., University of Wisconsin, 1964. (1993)

**\*NORRIS KEMP MABRY, Professor Emeritus of Educational Psychology and Counseling**

B.E.E., Georgia School of Technology, 1950; A.B., Mercer University, 1960; M.Ed., Georgia Southern College, 1963; Ph.D., Florida State University, 1966. (1966)

**ABASI J. MALIK, Assistant Professor of English**

B.A., Temple University, 1974; M.A., Goddard College, 1986. (1994)

**CAROLYN MALONE, Assistant Professor of History**

B.A., State University of New York at Albany, 1983; M.A., State University of New York at Albany, 1985; Ph.D., University of Rochester, 1991. (1990)

**STEPHEN R. MALONE, Temporary Assistant Professor of Biology**

B.S.A., University of Arkansas, 1982; M.S., University of Arkansas, 1983; Ph.D., Iowa State University, 1989. (1993)

**\*FRANCOIS MANCHUELLE, Assistant Professor of History**

B.A., University of Paris I, 1972; M.A., University of Paris I, 1975; Ph.D., University of California, 1987. (1989)

**CAROLYN MANDES, Assistant Professor of Education**

B.S., Georgia Southern College, 1956; M.Ed., Georgia Southern College, 1974;

Ed.S., Georgia Southern College, 1978. (1971)

**\*JUSTINE S. MANN, Professor Emerita of Political Science and Public Administration**  
B.A., Newcomb College, 1940;  
M.A., University of Alabama, 1963;  
Ph.D., University of Alabama, 1966. (1968)

**\*JAMES E. MANRING, Professor of Engineering Studies**  
B.S.E.E., University of Florida, 1963;  
M.E.E., University of Florida, 1966;  
Ph.D., University of Florida, 1970;  
Professional Engineer. (1977)

**RAYMOND MARCHIONNI, Professor of Music and Chair, Department of Music**  
B.M., University of Michigan, 1963;  
M.M., University of Michigan, 1965;  
D.M.A., North Texas State University, 1976. (1981)

**NANCY B. MARSH, Temporary Instructor of Middle Grades and Secondary Education**  
B.S.Ed., Georgia Southern College, 1989;  
M.S.T., Georgia Southern University, 1991;  
Ed.S., Georgia Southern University, 1993. (1993)

**DOUGLAS A. MARSHALL, Temporary Instructor of Psychology**  
B.S., Georgia Institute of Technology, 1987;  
M.A., University of North Carolina, 1992. (1992)

**CYNTHIA THOMAS MARTIN, Assistant Professor of Family and Consumer Sciences (Textiles and Clothing)**  
B.S., Indiana State University, 1972;  
M.S., Purdue University, 1975. (1975)

**JOHN STATEN MARTIN, Professor Emeritus of Building Construction Technology** B.S., Georgia Southern College, 1949; M.Ed., Georgia Southern College, 1960; Ed.D., University of Missouri, 1978. (1958)

**\*MARY JILL LOCKWOOD MARTIN, Professor of Accounting**  
B.A., University of Florida, 1969;  
J.D., Emory University, 1974;  
L.L.M., Emory University, 1979;  
C.P.A., Georgia, 1986. (1984)

**\*ROBERT ALLAN MARTIN, Associate Professor of Educational Psychology**  
B.S., and B.M., Ohio State University, 1960;  
M.A., Ohio State University, 1964;  
Ph.D., Ohio State University, 1971. (1972)

**DORALINA MARTINEZ-CONDE, Assistant Professor of Spanish**  
B.A., Universidad Nacional Pedro Henriquez Urena, 1972;  
M.A., Ohio State University, 1984. (1991)

**\*DAVID WYLIE MATHEW, Professor of Music**  
B.A., Knox College, 1967;  
M.M., Northern Illinois University, 1971;

D.M.A., North Texas State University, 1973. (1973)

**\*KISHWAR MIRZA MAUR, Associate Professor of Biology and Member, Institute of Arthropodology and Parasitology**  
B.Sc., Women's College, India, 1954;  
B.Ed., Osmania University, 1955;  
M.S., Ohio University, 1961;  
Ph.D., University of Florida, 1967. (1967)

**RONALD L. McCALL, Temporary Instructor of Vocational and Adult Education** B.S.Ed., Georgia Southern College, 1984; M.Ed., Georgia Southern College, 1987. (1987)

**LAURENCE M. McCARTHY, Assistant Professor of Sport Science and Physical Education**  
B.Ed., Thomond College of Education, 1977;  
M.A., New York University, 1988. (1991)

**WILLIAM W. McCARTNEY, Professor of Management and Chair, Department of Management**  
B.S.I.M., Auburn University, 1964;  
M.B.A., Samford University, 1970;  
Ph.D., Louisiana State University, 1978. (1991)

**SANDRA C. McCLAIN, Assistant Professor of Music**  
B.A., Meredith College, 1972;  
M.M., Manhattan School of Music, 1975;  
Ed.D., Columbia University, 1992. (1990)

**\*GARY McCLURE, Professor of Psychology**  
B.A., Wake Forest University, 1966;  
M.A., University of North Carolina, 1969;  
Ph.D., University of Vermont, 1971. (1977)

**TIMOTHY McCLURG, Assistant Professor of Management**  
B.S., Pennsylvania State University, 1983;  
M.B.A., University of Pittsburgh, 1987;  
Ph.D., Purdue University, 1993. (1993)

**KAREN L. McCULLOUGH, Assistant Professor of English**  
B.A., Pennsylvania State University, 1986;  
M.A., Youngstown State University, 1988. (1993)

**\*J. MICHAEL McDONALD, Professor of Management**  
B.S., Georgia Institute of Technology, 1971;  
M.Ed., University of Georgia, 1973;  
Ph.D., University of Georgia, 1976. (1987)

**JEANNE McDOUGALD, Instructor of Reading**  
B.S., Georgia Southern College, 1965;  
M.Ed., Georgia Southern College, 1988. (1982)

**JENNIFER L. McGLONE, Counseling Psychologist and Adjunct Instructor**  
B.A., Davidson College, 1987;  
M.A., Wake Forest University, 1989;  
Ph.D., Ohio State University, 1993. (1993)



**JULIE McGUIRE, Temporary Instructor of Art**  
 B.A., Illinois College, 1983;  
 M.A., University of Arkansas-Little Rock, 1988.  
 (1993)

**\*WILLIAM D. McINTOSH, Assistant Professor of Psychology**  
 B.S., Fordham University, 1984;  
 M.A., Duquesne University, 1985;  
 Ph.D., University of Georgia, 1990. (1990)

**BARBARA N. McKAY, Temporary Assistant Professor of Political Science**  
 A.B., University of Georgia, 1986;  
 J.D., Stetson University, 1989. (1994)

**\*STURGIS McKEEVER, Professor Emeritus of Biology, Member Institute of Arthropodology and Parasitology**  
 B.S., North Carolina State College, 1948;  
 M.S., North Carolina State College, 1949;  
 Ph.D., North Carolina State College, 1955.(1963)

**BEVERLY ANN McKENNA, Temporary Instructor of Middle Grades and Secondary Education**  
 B.S.Ed., University of Arkansas, 1976;  
 M.S.Ed., Wichita State University, 1984. (1989)

**\*MICHAEL McKENNA, Professor of Reading**  
 B.S., University of Arkansas, 1970;  
 B.A., University of Arkansas, 1970;  
 M.A., University of Arkansas, 1972;  
 M.Ed., University of Missouri, 1975;  
 Ph.D., University of Missouri, 1977. (1989)

**PAUL W. McKINNIS, Professor Emeritus of Administration and Supervision**  
 B.S., Southern Illinois University, 1946;  
 M.S., Southern Illinois University, 1952;  
 Ph.D., Southern Illinois University, 1968. (1969)

**SUSAN E. McKINNON, Temporary Instructor of Mathematics**  
 B.S., Georgia Southern College, 1985;  
 M.A., University of Georgia, 1987. (1994)

**\*DENSON K. McLAIN, Associate Professor of Biology, Member Institute of Arthropodology and Parasitology**  
 B.S., Texas A & M University, 1976;  
 M.S., University of Florida, 1978;  
 Ph.D., Emory University, 1982;  
 Postdoctoral training, University of Notre Dame,  
 1983-86, Emory University, 1986-87. (1987)

**MARGARET A. McLAUGHLIN, Assistant Professor of English**  
 B.A., DePauw University, 1955;  
 M.A., Western Illinois University, 1972;  
 M.S.Ed., Western Illinois University, 1976;  
 D.A., Illinois State University, 1993. (1989)

**THOMAS BRUCE McLEAN, Associate Professor of Mathematics and Computer Science**  
 B.S.Ed., Ohio Northern University, 1963;

M.A., Bowling Green State University, 1965;  
 Ph.D., University of Kentucky, 1971. (1980)

**HASSIE McELVEEN McLENDON, Librarian Emerita**  
 B.S., Georgia Southern College, 1953;  
 B.L.S., Peabody College, 1940. (1937)

**\*JAMES L. McMILLAN, Associate Professor of Sport Science and Physical Education**  
 A.S., Macon Junior College, 1979;  
 B.S.Ed., Georgia Southern College, 1981;  
 M.Ed., Auburn University, 1984;  
 Ed.D., Auburn University, 1987. (1986)

**E. THOMAS McMULLEN, Assistant Professor of History**  
 B.S., Washington State University, 1964;  
 M.A., Indiana University, 1986;  
 Ph.D., Indiana University, 1989. (1991)

**LORILEE A. MEDDERS, Assistant Professor of Finance and Economics**  
 B.S., University of Alabama, 1990. (1994)

**WALDO E. MEEKS, Associate Professor of Industrial Technology**  
 B.S., Industry, Georgia Southern College, 1972;  
 M.T., Georgia Southern College, 1976;  
 Ed.D., University of Tennessee, 1980. (1980)

**WILLIAM N. MEISEL, Temporary Instructor of Mathematics and Computer Science**  
 B.A., Florida State University, 1989;  
 B.S., Florida State University, 1989;  
 M.S., University of North Florida, 1993. (1994)

**DAVID W. MENZEL, Adjunct Professor of Biology (Skidaway Institute of Oceanography)**  
 B.S., Elmhurst College, 1949;  
 M.S., University of Illinois, 1952;  
 Ph.D., University of Michigan, 1958. (1971)

**\*MORGAN P. MILES, Associate Professor of Marketing**  
 B.S., Mississippi State University, 1978;  
 M.S., Virginia Polytechnic Institute and State University, 1981;  
 D.B.A., Mississippi State University, 1989. (1989)

**\*WILLIAM STARR MILLER, Professor Emeritus and Dean Emeritus of the College of Education**  
 B.S.Ed., University of Georgia, 1947;  
 M.S., University of Georgia, 1947;  
 Ed.D., Duke University, 1953. (1961)

**MICHAEL T. MILLS, Temporary Instructor of English**  
 B.A., Georgia Southern College, 1988;  
 M.A., Georgia Southern College, 1990. (1990)

**LAURA A. MILNER, Temporary Instructor of English**  
 B.A., University of Alabama-Birmingham, 1981;  
 M.A.L.S., Wesleyan University, 1984. (1993)

**KAREN L. MILNOR, Temporary Instructor of Mathematics**

B.S., University of Central Florida, 1990;  
M.S., University of Florida, 1992. (1992)

**CLEON M. MOBLEY, JR., Associate Professor of Physics and Planetarium Director**

A.S., Southern Technical Institute, 1961;  
B.S., Oglethorpe University, 1963;  
M.S., University of Missouri-Rolla, 1966;  
Ph.D., Union for Experimenting Colleges and Universities, 1988. (1967)

**\*HARRIS W. MOBLEY, Professor Emeritus of Anthropology**

A.B., Mercer University, 1955;  
B.D., Southeastern Baptist Theological Seminary, 1959;  
M.A., Hartford Seminary Foundation, 1965;  
Ph.D., Hartford Seminary Foundation, 1966 (1966)

**PAUL C. MOLLER, Instructor of Early Childhood Education and Reading**

B.S.Ed., Georgia Southern College, 1974;  
M.Ed., Georgia Southern College, 1979. (1993)

**\*J. LOWELL MOONEY, Assistant Professor of Accounting**

B.B.A., University of Georgia, 1978;  
M.Acc., University of Georgia, 1979;  
Ph.D., University of Georgia, 1989;  
C.P.A., Georgia, 1985. (1989)

**DOROTHY LOUISE MOORE, Associate Professor Emerita of Early Childhood Education**

B.S., Bemidji State University, 1949;  
M.A., University of North Colorado, 1953;  
Ph.D., Florida State University, 1973. (1975)

**\*MICHAEL T. MOORE, Professor of Reading and Director of Advisement, Assessment, and Retention**

B.Ed., Duquesne University, 1972;  
M.Ed., University of Pittsburgh, 1976;  
Rdg. Spec., University of Pittsburgh, 1978;  
Ed.D., University of Pittsburgh, 1983. (1984)

**\*SUE MULLINS MOORE, Associate Professor of Anthropology**

A.B., University of Florida, 1975;  
M.A., University of Florida, 1977;  
Ph.D., University of Florida, 1981. (1982)

**WILLIAM THOMAS MOORE, Temporary Instructor of Accounting**

B.S., University of Tampa, 1971;  
M.B.A., Auburn University, 1981. (1993)

**MARILYN G. MORGAN, Assistant Professor of Sociology**

B.S., University of Wisconsin-Milwaukee, 1964;  
M.S.W., University of Alabama, 1977;  
D.S.W., University of Alabama, 1987. (1993)

**SHARON R. MORRIS, Instructor of Mathematics**

B.S., University of South Carolina, 1990;  
M.S., University of South Carolina, 1992. (1992)

**HANS P. MORTENSEN, Assistant Professor of Printing Management**

B.S., Rochester Institute of Technology, 1985;  
M.S., Rochester Institute of Technology, 1989. (1991)

**\*CLEMENT CHARLTON MOSELEY, Professor of History**

B.S.Ed., Georgia Southern College, 1959;  
M.A., Georgia Southern College, 1965;  
Ph.D., University of Georgia, 1968. (1963)

**\*HOWARD F. MOSELEY, Professor Emeritus of Administration and Supervision**

B.S., Livingston State University, 1939;  
M.A., University of Alabama, 1948;  
Ed.D., University of Alabama, 1955. (1965)

**BECKY A. MOULTON, Assistant Professor of Biology**

B.A., North Texas State University, 1977;  
M.S., Texas Tech University, 1982;  
Ph.D., Texas Tech University, 1989. (1987)

**SULA BRANNEN MOXLEY, Assistant Professor Emerita of Marketing**

B.S., Stetson University, 1950;  
M.B.E., Georgia State University, 1967. (1971)

**LINDA S. MUNILLA, Associate Professor of Marketing**

B.S., West Virginia Institute of Technology, 1971;  
M.S., Virginia Polytechnic Institute and State University, 1976;  
Ed.D., Virginia Polytechnic Institute and State University, 1981. (1979)

**\*EUGENE C. MURKISON, Associate Professor of Management**

B.S.A., University of Georgia, 1959;  
M.B.A., University of Rochester, 1970;  
Ph.D., University of Missouri-Columbia, 1986. (1984)

**JOHN D. MURRAY, Assistant Professor of Psychology**

B.A., Purdue University, 1984;  
Ph.D., University of California-Santa Barbara, 1989. (1993)

**KENT D. MURRAY, Assistant Professor of Communication Arts**

A.A., Gulf Coast Jr. College, 1969;  
B.A., University of West Florida, 1974;  
M.A., University of West Florida, 1978. (1985)

**LARRY R. MUTTER, Assistant Professor of Recreation and Leisure Services**

B.S., University of Wisconsin-Stevens Point, 1982;  
M.S., Texas A&M University, 1985;  
D.P.A., Arizona State University, 1994. (1994)

**SHAHNAM NAVAEE, Assistant Professor of Engineering Studies**

B.S., Louisiana State University, 1980;  
M.S., Louisiana State University, 1983;  
Ph.D., Clemson University, 1989. (1993)

**\*ERIC R. NELSON, Assistant Professor of English**  
B.A., Virginia Polytechnic Institute and State  
University, 1975;  
M.A., Johns Hopkins University, 1977. (1989)

**\*REX A. NELSON, Professor Emeritus of  
Industrial Technology**  
B.S., Fort Hays State University, 1957;  
M.S., Fort Hays State University, 1958;  
Ed.D., University of Northern Colorado, 1964. (1968)

**ROBERT NORTON NELSON, Associate Professor  
of Chemistry**  
Sc.B., Brown University, 1963;  
Ph.D., Massachusetts Institute of Technology, 1969.  
(1970)

**CAROL M. NESSMITH, Assistant Professor of  
Mathematics**  
B.S., University of Georgia, 1968;  
M.Ed., University of Georgia, 1969;  
Ed.S., Georgia Southern University, 1993. (1978)

**RENATA M. NEWBILL-JALLOW, Program  
Coordinator and Adjunct Instructor**  
B.S., West Virginia State College, 1981;  
M.A., West Virginia University, 1988. (1989)

**ROOSEVELT NEWSON, JR., Dean of the College  
of Liberal Arts and Social Sciences and Professor of  
Music**  
B.M., Southern University, 1968;  
M.M., Peabody Conservatory of Music, 1971;  
D.M.A., Peabody Conservatory of Music, 1977.  
(1994)

**BETSY H. NICHOLS, Assistant Professor of  
English**  
B.A., University of Montevallo, 1969;  
M.A., University of Arkansas, 1971;  
Ph.A., University of Arkansas, 1972. (1981)

**DEE ANN NICHOLS, Head Volleyball Coach and  
Adjunct Instructor**  
B.S.Ed., Georgia Southern University, 1992;  
M.Ed., Georgia Southern University, 1993. (1993)

**\*JAMES R. NICHOLS, Professor of English and  
Chair, Department of English and Philosophy**  
B.A., Union College, 1961;  
M.A., University of North Carolina (Chapel Hill),  
1966;  
Ph.D., University of North Carolina (Chapel Hill),  
1969. (1987)

**MICHAEL E. NIELSEN, Temporary Assistant  
Professor of Psychology**  
B.A., Southern Utah State College, 1986;  
M.A., Northern Illinois University, 1990;  
Ph.D., Northern Illinois University, 1992. (1993)

**MARTHA T. NOLEN, Assistant Professor of  
Reading**  
B.A., Furman University, 1961;  
M.Ed., Georgia Southern College, 1978. (1979)

**DAVID H. NORMAN, Assistant Professor of  
English**  
B.A., University of Georgia, 1977;  
M.A., University of Georgia, 1981. (1987)

**THERESA M. NORMAN, Assistant Professor of  
English**  
B.A., Armstrong State College, 1979;  
M.A., University of Georgia, 1981. (1987)

**SUSAN NORTON, Assistant to the Vice President  
for Business and Finance and Adjunct Instructor**  
B.A., University of South Carolina-Columbia, 1984;  
M.S., Georgia Southern University, 1993. (1990)

**THOMAS R. NORTON, Head Soccer Coach and  
Adjunct Instructor**  
B.S., University of South Carolina-Columbia, 1984;  
M.S., Georgia Southern College, 1989. (1990)

**JANET LATRELLE O'BRIEN, Instructor of  
Mathematics**  
A.S., South Georgia College, 1980; B.S.Ed.,  
Georgia Southern College, 1982; M.Ed.,  
Georgia Southern College, 1985. (1984)

**C. BRIAN ODOM, Temporary Assistant Professor  
of Biology**  
B.S., Wofford College, 1983;  
M.S., Georgia Southern University, 1985;  
Ph.D., University of South Carolina, 1990. (1994)

**ARTHUR L. OESTREICH, Instructor of  
Marketing**  
B.S., University of West Florida, 1982;  
M.B.A., University of West Florida, 1984. (1990)

**MICHAEL K. OGLE, Assistant Professor of  
Engineering Technology**  
B.S.I.E., University of Arkansas, 1984;  
M.S.I.E., University of Arkansas, 1987;  
Ph.D., Arizona State University, 1994. (1993)

**ICK-KEUN OH, Assistant Professor of Recreation**  
B.A., Sogang University, 1979;  
M.S., University of Wisconsin-Stout, 1985;  
Ph.D., Michigan State University, 1990. (1990)

**GODWIN O. OKAFOR, Assistant Professor of  
Political Science**  
B.B.A., Georgia College, 1985;  
M.P.A., Georgia College, 1987;  
Ph.D., Southern Illinois University-Carbondale, 1993.  
(1993)

**\*HERBERT A. O'KEEFE, JR., Professor of  
Accounting**  
B.B.A., University of Georgia, 1962;  
M.Acc., University of Georgia, 1967;  
Ph.D., Georgia State University, 1974;  
C.P.A., Georgia, 1965. (1978)

**\*JAMES H. OLIVER, JR., Fuller E. Callaway  
Professor of Biology, Director Institute of  
Arthropodology and Parasitology**

B.S., Georgia Southern College, 1952;  
M.S., Florida State University, 1954;  
Ph.D., University of Kansas, 1962;  
Postdoctoral training, University of Melbourne  
(Australia) 1962-63. (1969)

**JOSEPH O. OLSON, JR., Professor Emeritus of Art**

B.F.A., Philadelphia Museum of Art, 1954;  
M.Ed., Temple University, 1956;  
M.F.A., Temple University, 1965;  
Ed.D., University of Georgia, 1970. (1969)

**LUKE J. OLSZEWSKI, Temporary Instructor of Mathematics**

B.S., University of South Carolina, 1991;  
M.S., University of South Carolina, 1993. (1993)

**ONYILE B. ONYILE, Associate Professor of Art**

B.F.A., Memphis Academy of Arts, 1980;  
M.F.A., Memphis State University, 1982. (1994)

**JEFFERY A. ORVIS, Assistant Professor of Chemistry**

B.S., Oakland University, 1986;  
Ph.D., University of Tennessee, 1991. (1991)

**JESSICA N. ORVIS, Assistant Professor of Chemistry**

B.S., Vanderbilt University, 1986;  
M.S., University of Tennessee, 1989. (1992)

**DAI OSANAI, Instructor of Japanese**

B.A., Kanagawa University, 1982;  
A.A., Snow College, 1987;  
M.A., Northern Arizona University, 1989. (1990)

**PATRICIA PACE, Associate Professor of Communication Arts**

B.A., Sonoma State University, 1981;  
M.A., Sonoma State University, 1981;  
Ph.D., Southern Illinois University, 1986. (1985)

**\*FRED M. PAGE, JR., Professor of Middle Grades and Secondary Education and Coordinator of Clinical Experiences**

B.S.Ed., Georgia Southern College, 1971;  
M.Ed., Georgia Southern College, 1973;  
Ed.S., Georgia Southern College, 1977;  
Ed.D., Mississippi State University, 1979. (1973)

**\*JANE ALTMAN PAGE, Professor of Educational Foundations and Curriculum and Chair, Department of Educational Foundations and Curriculum**

B.S.Ed., Georgia Southern College, 1971;  
M.Ed., Georgia Southern College, 1974;  
Ed.S., Georgia Southern College, 1979;  
Ed.D., Mississippi State University, 1979. (1979)

**LINDA R. PAIGE, Assistant Professor of English**

B.A., University of Arkansas, 1971;  
M.Ed., University of Arkansas, 1972;  
M.A., University of Arkansas, 1983;  
Ph.D., University of Tennessee, 1989. (1989)

**\*ROGER NELSON PAJARI, Professor of Political Science**

B.S., University of Minnesota, 1964;  
M.A., University of Tennessee, 1968;  
Ph.D., University of Tennessee, 1973. (1970)

**JOHN L. PARCELS, JR., Assistant Professor of English and Philosophy**

B.A., Drew University, 1965;  
M.A., Emory University, 1972. (1972)

**ABBIE GAIL PARHAM, Instructor of Accounting**

A.S., Emanuel County Junior College, 1978;  
B.B.A., Georgia Southern College, 1984;  
M.B.A., Georgia Southern College, 1988. (1990)

**SUK Y. PARK, Adjunct Instructor of Military Science**

Supply Sergeant, United States Army. (1992)

**MARY H. PARKER, Temporary Instructor of Early Childhood Education and Reading**

B.S.Ed., Georgia College, 1972,  
M.Ed., Georgia State College, 1978. (1989)

**JUDITH C. PARKES, Temporary Instructor of Early Childhood Education and Reading**

B.S.Ed., Illinois State University, 1974;  
M.S.Ed., Southern Illinois University-Carbondale,  
1991. (1994)

**\*JOHN W. PARRISH, JR., Professor of Biology and Chair, Department of Biology**

B.S., Denison University, 1963;  
M.A., Bowling Green State University, 1970;  
Ph.D., Bowling Green State University, 1974;  
Post-doctoral training, University of Texas at Austin,  
1974-76. (1988)

**\*LEO G. PARRISH, JR., Professor of Management and Acting Dean, Allen E. Paulson College of Science and Technology**

B.S.E.E., Georgia Institute of Technology, 1961;  
M.S.I.M., Georgia Institute of Technology, 1964;  
Ph.D., Georgia Institute of Technology, 1974. (1990)

**CHARLOTTE E. PARRISH-WOODY, Temporary Instructor of Industrial Technology**

B.S., Georgia Southern College, 1985;  
M.T., Georgia Southern University, 1993. (1994)

**JAMIE S. PARTRIDGE, Temporary Instructor of Finance and Economics**

A.B., University of Illinois-Urbana-Champaign, 1988;  
M.B.A., Indiana University, 1990. (1993)

**MARK D. PARTRIDGE, Assistant Professor of Economics**

B.A., University of Montana, 1985;  
M.A., University of Wyoming, 1987;  
M.S., University of Illinois-Urbana-Champaign, 1989;  
Ph.D., University of Illinois-Urbana-Champaign,  
1991. (1993)

**MILDRED MOORE PATE, Instructor of English and Reading**

B.A., Claflin College, 1974;

M.S.T., Georgia Southern College, 1976. (1985)

**\*TOM LEO PAUL, Professor Emeritus of Physical Education and Head Emeritus, Department of Sport Science and Physical Education**

B.S., University of Wisconsin at Oshkosh, 1951;

M.S., University of Florida, 1961;

Ed.D., Florida State University, 1965. (1969)

**\*MARVIN G. PAYNE, Professor of Physics**

B.A., Berea College, 1958;

Ph.D., University of Kentucky, 1965. (1991)

**\*WALTER JAMES PEACH, Professor of Special Education**

B.S., St. Louis University, 1963;

Ed.M., St. Louis University, 1965;

Ph.D., Florida State University, 1968. (1969)

**DORIS PARSONS PEARCE, Associate Professor of Family and Consumer Sciences**

B.A., Berea College, 1950;

M.S., Oklahoma State University, 1952;

Ph.D., Florida State University, 1963. (1966)

**THOMAS A. PEARSALL, Assistant Professor of Music**

B.M., University of Kentucky, 1982;

M.M., Bowling Green State University, 1984. (1993)

**\*CHARLES H. PERRY, Associate Professor of Industrial Technology**

B.S., Georgia Institute of Technology, 1964;

M.Ed., University of Georgia, 1986;

Ed.D., University of Georgia, 1990. (1990)

**\*V. RICHARD PERSICO, JR., Associate Professor of Anthropology**

B.A., Southwestern at Memphis, 1970;

M.A., University of Georgia, 1974;

Ph.D., University of Georgia, 1982. (1981)

**RICHARD M. PETKEWICH, Associate Professor of Geology**

B.S., Boston College, 1963; Ph.D., University of Montana, 1972. (1971)

**\*JOHN R. PICKETT, Professor of Management**

B.A., University of Wyoming, 1968;

M.S., Air Force Institute of Technology, 1970;

Ph.D., University of Georgia, 1979. (1979)

**\*MARGARET ANNE PIERCE, Professor of Mathematics and Computer Science**

B.A., University of North Carolina-Chapel Hill, 1965;

M.Ed., University of Florida, 1974;

M.S., University of South Carolina, 1987;

Ph.D., University of Florida, 1977. (1985)

**DANIEL PITTMAN, Associate Professor of Music**

B.M.Ed., University of Southern Mississippi, 1970;

M.M., University of Mississippi, 1974;

D.M.A., Memphis State University, 1979. (1990)

**\*ELIZABETH JANE PLEAK, Associate Professor of Art**

B.S., Edinboro State College, 1971;

M.F.A., Indiana State University, 1981. (1984)

**BILL W. PONDER, Professor of Chemistry and Chair, Department of Chemistry**

B.S., Louisiana Tech University, 1956;

M.S., Iowa State University, 1959;

Ph.D., Iowa State University, 1961. (1991)

**\*HARBISON POOL, Professor of Educational Leadership, Technology and Research**

B.A., Principia College, 1962;

Ed.M., Harvard University, 1964;

M.A., Teacher's College-Columbia University, 1969;

M.Ed., Teacher's College-Columbia University, 1971;

Ed.D., Teacher's College-Columbia University, 1976. (1991)

**JOCELYN POOLE, Reference Librarian and Assistant Professor**

B.S., Virginia State University, 1979;

M.S.M., Hampton University, 1985;

M.L.S., University of Pittsburgh, 1992. (1992)

**\*ANN E. PRATT, Assistant Professor of Biology**

B.S., Clark University, 1975;

M.S., University of Massachusetts, 1979;

Ph.D., University of Florida, 1986;

Postdoctoral training, University of Florida, 1986-87. (1987)

**GEORGE W. PRATT, Assistant Professor of Sociology**

B.A., Georgia State University, 1967;

M.S.W., University of Georgia, 1971. (1971)

**\*DELMA EUGENE PRESLEY, Professor of English and Director of Museum**

B.A., Mercer University, 1961;

B.D., Southern Baptist Seminary, 1964;

Ph.D., Emory University, 1969. (1969)

**\*LARRY E. PRICE, Professor Emeritus of Finance and Head Emeritus, Department of Finance and Economics**

B.S.E.E., University of Arkansas, 1959;

M.B.A., University of Arkansas, 1961;

Ph.D., University of Arkansas, 1966. (1963)

**PATRICIA T. PRICE, Assistant Professor of English and Reading**

B.S.Ed., University of Georgia, 1969;

M.A., Georgia Southern College, 1976. (1987)

**DIANE T. PRUITT, Assistant Professor of Family and Consumer Sciences**

B.S.H.E., University of Georgia, 1976;

M.H.E., University of Georgia, 1978. (1989)

**KATHERINE M. PRUITT, Temporary Instructor of Sport Science and Physical Education**

B.S., Georgia Southern College, 1979;

M.Ed., Georgia Southern College, 1982. (1992)

**\*OSCAR J. PUNG, Assistant Professor of Biology**  
 B.A., Oakland University, 1973;  
 M.S., Seton Hall University, 1981;  
 Ph.D., University of North Carolina, 1984. (1991)

**TOMSYE DALE PURVIS, Associate Professor of English**  
 B.A., Oklahoma Baptist University, 1968;  
 M.A., University of Tennessee, 1970;  
 Ph.D., University of Tennessee, 1976. (1981)

**NICHOLAS W. QUICK, Emeritus Professor of Legal Studies**  
 A.B., University of Illinois, 1942;  
 M.A., University of Illinois, 1947;  
 Ph.D., University of Texas, 1954;  
 J.D., John Marshall Law School, 1973. (1969)

**\*ROHAN QUINCE, Assistant Professor of English**  
 B.A., University of South Africa, 1974;  
 M.A., Southern Illinois University, 1982;  
 Ph.D., Southern Illinois University, 1987. (1988)

**SANDRA C. RABITSCH, Assistant Professor of English**  
 B.S., Georgia Southern College, 1962;  
 M.S.T., Georgia Southern College, 1969. (1968)

**MARIA J. RACINE, Acting Director of Campus Life Enrichment and Adjunct Instructor of English**  
 B.A., University of Washington, 1981;  
 M.A., Georgia Southern University, 1992. (1992)

**FRANK RADOVICH, Associate Professor of Health Science Education**  
 B.S., Indiana University, 1960; M.Ed., Indiana University, 1964;  
 H.S.D., Indiana University, 1980. (1962)

**JOHN A. RAFTER, Associate Professor of Mathematics**  
 B.S., University of Michigan, 1966;  
 M.S., Michigan State University, 1968;  
 Ph.D., Michigan State University, 1971. (1984)

**\*DONALD RAKESTRAW, Assistant Professor of History**  
 B.A., Jacksonville State University, 1975;  
 M.A., Jacksonville State University, 1980;  
 Ph.D., University of Alabama, 1991. (1988)

**\*JENNIE RAKESTRAW, Associate Dean, College of Education, and Associate Professor of Early Childhood Education**  
 B.S.Ed., Jacksonville State University, 1977;  
 M.S.Ed., Jacksonville State University, 1980;  
 Ed.D., University of Alabama, 1987. (1988)

**DELORES RAMSEY, Assistant Professor of Sport Science and Physical Education**  
 B.S.Ed., Georgia Southern College, 1961;  
 M.Ed., Georgia Southern College, 1962;  
 Ed.S., Georgia Southern College, 1973. (1963)

**CINDY HOUSE RANDALL, Assistant Professor of Management**

B.B.A., Georgia Southern College, 1978;  
 M.B.A., Memphis State University, 1981. (1982)

**\*E. JAMES RANDALL, Professor of Marketing**  
 A.A., Manatee Junior College, 1964; B.A., University of South Florida, 1968; M.B.A., University of South Florida, 1973;  
 D.B.A., Memphis State University, 1983. (1982)

**SUDHA RATAN, Assistant Professor of Political Science**  
 B.A., University of Madras, 1981;  
 L.L.B., University of Madras, 1984;  
 Ph.D., University of South Carolina, 1993. (1990)

**LEWIS A. RAULERSON, Counseling Psychologist and Adjunct Assistant Professor**  
 B.A., University of Florida, 1955;  
 M.Ed., University of Florida, 1957;  
 Ph.D., Florida State University, 1962. (1974)

**STEPHANIE RAY, Coordinator of Multicultural Programs and Adjunct Instructor**  
 B.A. (Communications), Western Kentucky University, 1983;  
 B.A. (History), Western Kentucky University, 1984;  
 M.Ed., Western Kentucky University, 1986. (1990)

**\*DAN W. REA, Associate Professor of Educational Foundations and Curriculum**  
 B.A., University of Missouri, 1969;  
 M.A.T., Howard University, 1974;  
 Ed.D., University of Massachusetts, 1983. (1991)

**SUSAN E. REBSTOCK, Assistant Professor of Management**  
 B.S., Southwest Missouri State University, 1975;  
 M.B.A., Southwest Missouri State University, 1985. (1994)

**ROY E. REDDERSON, Associate Professor of Electrical Engineering Technology**  
 B.S.E.E., Auburn University, 1961;  
 M.S.E.E., U.S. Navy Postgraduate School, 1966. (1979)

**ROXIE REMLEY, Professor Emerita of Art**  
 A.B., Peabody College, 1949; M.S., Peabody College, 1949; M.F.A., Pratt Institute, 1962. (1950)

**\*FREDRICK J. RICH, Associate Professor of Geology and Chair, Department of Geology and Geography**  
 B.S., University of Wisconsin-Madison, 1973;  
 Ph.D., Pennsylvania State University, 1979. (1988)

**DONNIE D. RICHARDS, Assistant Professor of Spanish**  
 B.A., Texas Tech University, 1964;  
 M.A., Texas Tech University, 1972;  
 Ph.D., University of Kentucky, 1976. (1991)

**\*GROVER CHESTER RICHARDS, Professor Emeritus of Psychology**  
 B.S.Ed., Central University of Arkansas, 1938;

M.A., University of Mississippi, 1963;  
Ph.D., University of Mississippi, 1964. (1967)

**M. VIRGINIA RICHARDS, Instructor of Family and Consumer Sciences**

B.S.H.E., Texas Tech University, 1967;  
M.S.H.E., Texas Tech University, 1970. (1991)

**MICHAEL D. RICHARDSON, Professor of Educational Leadership, Technology and Research**

B.S.Ed., Tennessee Tech University, 1971;  
M.A., Tennessee Tech University, 1972;  
Ed.D., University of Tennessee-Knoxville, 1986. (1994)

**FRED A. RICHTER, Associate Professor of English**

B.A., Florida State University, 1964;  
Ph.D., Auburn University, 1971. (1969)

**CURTIS EUGENE RICKER, Associate Professor of English and Chair, Department of Learning Support**

B.A., Brigham Young University, 1975;  
M.A., Brigham Young University, 1980;  
D.A., Illinois State University, 1987. (1984)

**DAN S. RICKMAN, Associate Professor of Economics**

B.S., University of Wyoming, 1980;  
M.P.A., University of Wyoming, 1982;  
Ph.D., University of Wyoming, 1987. (1993)

**LAURA L. RIGDON, Temporary Instructor of Sociology**

B.A., Georgia Southern University, 1993;  
M.A., Georgia Southern University, 1994. (1994)

**KENT RITTSCHOF, Assistant Professor of Educational Foundations and Curriculum**

B.S., Arizona State University, 1988;  
M.A., Arizona State University, 1992;  
Ph.D., Arizona State University, 1994. (1993)

**JOSEPH C. ROBBINS, Associate Professor of Music**

B.A., Hendrix College, 1957;  
M.M., Indiana University, 1960. (1970)

**\*LILA F. ROBERTS, Associate Professor of Mathematics**

B.S.Ed., North Carolina State University, 1977;  
M.S., Old Dominion University, 1986;  
Ph.D., Old Dominion University, 1988. (1989)

**\*DAVID W. ROBINSON, Assistant Professor of English**

B.A., University of Alabama, 1980;  
M.A., University of Washington, 1982;  
Ph.D., University of Washington, 1985. (1988)

**JACQUES H. ROBINSON, Assistant Professor of Student Development Programs**

B.S., New York State University College for Teachers, 1956;

M.S., New York State University College for Teachers, 1962;

Ph.D., George Peabody College for Teachers, 1968. (1993)

**PAUL A. RODELL, Assistant Professor of History**

B.A., Northern Illinois University, 1968;  
M.A., State University of New York at Buffalo, 1982;  
Ph.D., State University of New York at Buffalo, 1992. (1992)

**AMANDA A. ROE, Assistant Professor of Printing Management**

B.S.Ed., Georgia Southern College, 1981;  
M.T., Georgia Southern College 1988;  
Ph.D., Virginia Polytechnic Institute and State University, 1993. (1994)

**\*CRAIG H. ROELL, Assistant Professor of History**

B.A., University of Houston, 1977;  
M.A., University of Texas, 1980;  
Ph.D., University of Texas, 1986. (1989)

**CAMILLE F. ROGERS, Instructor of Management**

B.B.A., Eastern New Mexico University, 1991;  
M.B.A., Eastern New Mexico University, 1993. (1994)

**CATHERINE A. ROGERS, Temporary Instructor of English**

A.B., Middlebury College, 1974;  
M.Div., Weston School of Theology, 1978. (1993)

**\*GEORGE ARTHUR ROGERS, Professor Emeritus of History and Member, Institute of Arthropodology and Parasitology**

A.B., Illinois College, 1940;  
M.A., University of Illinois, 1947;  
Ph.D., University of Illinois, 1950. (1950)

**JOHN THADDEUS ROGERS, Associate Professor Emeritus of Physics**

B.S., United States Naval Academy, 1950;  
M.S., Virginia Polytechnic Institute, 1958;  
Ph.D., Virginia Polytechnic Institute, 1963. (1965)

**\*RICHARD LOUIS ROGERS, Professor of Psychology and Chair, Department of Psychology**

B.A., University of Arkansas, 1966;  
M.A., University of Arkansas, 1968;  
Ph.D., University of Arkansas, 1971. (1970)

**RUTH ANN ROGERS, Executive Assistant to the President and Adjunct Instructor**

B.A., University of Arkansas, 1968.  
M.A., Georgia Southern College, 1982. (1982)

**\*DAVID A. ROSS, Professor of Industrial Technology**

B.S., Miami University, 1972;  
M.Ed., Miami University, 1973;  
Ed.D., University of Cincinnati, 1981. (1991)

**DAVID C. ROSTAL, Assistant Professor of Biology**

B.S., Pacific University, 1980;  
M.S., Portland State University, 1986;

Ph.D., Texas A&M University, 1991. (1993)

**VIRGINIA C. ROWDEN, Assistant Professor of Communication Arts**

B.A., University of Colorado, 1974;  
M.A., University of Colorado, 1977;  
Ph.D., University of Colorado, 1984. (1985)

**CHRISTOPHER L. ROWE, Temporary Assistant Professor of Biology**

B.S., Pennsylvania State University, 1989;  
Ph.D., Pennsylvania State University, 1994. (1994)

**\*DAVID A. RUFFIN, Professor Emeritus of English**

B.A., Southwestern Presbyterian College, 1947;  
M.A., Vanderbilt University, 1949;  
Ph.D., Vanderbilt University, 1952. (1962)

**ALISON RUSHING, Instructor of Nursing**

A.D.N., Armstrong State College, 1976;  
B.S.N., Medical College of Georgia, 1978;  
M.S.N., Medical College of Georgia, 1979. (1991)

**ERSKINE RUSSELL, Adjunct Associate Professor of Physical Education and Associate Athletic Director for Football**

B.S.Ed., Auburn University, 1949;  
M.S., Auburn University, 1953. (1981)

**GREGORY R. RUSSELL, Assistant Professor of Management**

B.S., University of Kentucky, 1982;  
M.B.A., University of Kentucky, 1984;  
Ph.D., University of South Carolina, 1994. (1992)

**REBECCA RYAN, Assistant Professor of Nursing**

B.S.Ed., Jacksonville State University, 1972;  
M.P.A., Georgia Southern College, 1988. (1983)

**DEBRA SABIA, Assistant Professor of Political Science**

B.S., University of Southern Mississippi, 1981;  
M.A., University of South Carolina, 1984.  
Ph.D., University of South Carolina, 1994. (1990)

**DONNA S. SANDERS, Temporary Assistant Professor of Communication Arts**

B.A., Converse College, 1961;  
M.F.A., University of Georgia, 1963. (1993)

**\*FREDERICK KIRKLAND SANDERS, Professor of English**

B.A., Wofford College, 1958;  
M.A., Emory University, 1963;  
Ph.D., University of Georgia, 1971. (1969)

**IRIS SANDKÜHLER, Temporary Assistant Professor of Art**

B.F.A., Ohio State University, 1984;  
M.F.A., Ohio State University, 1988. (1992)

**DAVID R. SATAVA, Assistant Professor of Accounting**

B.A., San Francisco State University, 1979;  
M.B.A., San Francisco State University, 1987;  
D.B.A., Mississippi State University, 1994. (1994)

**\*R. FRANK SAUNDERS, JR., Professor of History**

B.S.Ed., Georgia Southern College, 1957;  
M.Ed., Georgia Southern College, 1963;  
Ph.D., University of Georgia, 1970. (1969)

**DONNA SAYE, Instructor of Mathematics**

B.S., Berry College, 1974;  
M.Ed., Georgia Southern College, 1977. (1988)

**NEAL SAYE, Assistant Professor of English**

B.S., Berry College, 1974;  
M.A., Georgia Southern College, 1978. (1988)

**JAMES BOYD SCEARCE, JR., Associate Professor Emeritus of Health and Physical Education**

B.S., Eastern Kentucky Teachers College, 1936;  
M.A., Eastern Kentucky Teachers College, 1947. (1947)

**\*CANDY B. K. SCHILLE, Assistant Professor of English**

B.A., Boise State University, 1973;  
M.A., University of Washington, 1981;  
Ph.D., University of Washington, 1983. (1987)

**GREGORY N. SCHLIERF, Assistant Director of Housing and Adjunct Instructor**

B.S.Ed., Slippery Rock University, 1988; M.S., Shippensburg University, 1990. (1993)

**WILLIAM SCHMID, Assistant Professor of Music**

B.M., University of Dayton, 1979;  
M.M.E., North Texas State University, 1981;  
D.M.A., University of North Texas, 1991. (1986)

**NORMAN E. SCHMIDT, Assistant Professor of Chemistry**

B.S., Bethel College, 1984;  
Ph.D., University of South Carolina-Columbia, 1989. (1990)

**\*JUDITH H. SCHOMBER, Associate Professor of Spanish**

B.A., Florida State University, 1969;  
M.A., Florida State University, 1971;  
Ph.D., Florida State University, 1975. (1976)

**MARTHA L. SCHRIVER, Assistant Professor of Middle Grades and Secondary Education**

B.S.Ed., Bowling Green State University, 1970;  
M.Ed., University of Toledo, 1988;  
Ph.D., University of Toledo, 1992. (1992)

**CHRISTOPHER SCHUBERTH, Adjunct Associate Professor of Geology**

B.S., City College-City University of New York, 1957;  
M.S., New York University, 1960. (1990)

**ANNE L. SCOTT, Associate Professor of Nursing**

B.S.N., Ohio State University, 1971;  
M.S.N., Oral Roberts University, 1986;  
Ph.D., Texas Woman's University, 1990. (1994)

**\*TAYLOR CARVER SCOTT, Associate Professor Emeritus of Sociology**



A.B., University of Florida, 1947;  
 M.A., University of Florida, 1949;  
 Ph.D., University of Maryland, 1967. (1967)

**\*DAVID W. SEAMAN, Professor of Foreign Languages and Chair, Department of Foreign Languages**

B.A., College of Wooster, 1962;  
 M.A., Stanford University, 1964;  
 Ph.D., Stanford University, 1970. (1992)

**WENDY L. SEIER, Assistant Professor of Educational Foundations and Curriculum**

B.S., Iowa State University, 1985;  
 M.S., University of Florida, 1990;  
 Ph.D., University of Florida, 1993. (1993)

**LEWIS R. SELVIDGE, JR., Associate Professor of Technology**

B.S., Southern Illinois University, 1962;  
 M.S., Southern Illinois University, 1964. (1968)

**HOWARD G. SENGBUSCH, Adjunct Professor of Biology, Member Institute of Arthropodology and Parasitology**

B.S., Buffalo State College, 1939;  
 Ed.M., University of Buffalo, 1947;  
 M.S., New York University, 1951;  
 Ph.D., New York University, 1951. (1982)

**R. BARRY SHARPE, Temporary Assistant Professor of Political Science**

B.A., University of South Carolina, 1988. (1993)

**MARY SHAW, Part-time Instructor of Mathematics**

B.S., Georgia Southern College, 1965;  
 E.Ed., Georgia Southern College, 1982;  
 Ed.S., Georgia Southern University, 1991. (1986)

**CHRISTINE M. SHEA, Associate Professor of Educational Foundations and Curriculum**

B.A., Nazareth College, 1967;  
 M.S.Ed., SUNY College-Geneseo, 1969;  
 Ph.D., University of Illinois-Urbana, 1980. (1994)

**\*VICTORIA DAWN SHELAR, Associate Professor of Recreation and Leisure Services**

B.S., University of Florida, 1981;  
 M.S., University of North Florida, 1984;  
 Ph.D., University of Maryland, 1988. (1988)

**ANN CONVERSE SHELLY, Dean of the College of Education and Professor of Curriculum**

B.A., Michigan State University, 1965;  
 M.A., Michigan State University, 1980;  
 Ph.D., Michigan State University, 1973. (1994)

**OKETE J. SHIROYA, Visiting Professor of History**

B.A., Macalester College, 1964;  
 M.A., Michigan State University, 1965;  
 Ph.D., Michigan State University, 1968. (1994)

**GERALD R. SHOULTZ, JR., Instructor of Mathematics**

B.S., University of Alabama, 1984;

M.S., Texas Tech University, 1987. (1987)

**CATHY B. SHRIVER, Assistant Professor of Nursing**

A.D.N., Armstrong State College, 1977;  
 B.S.N., Armstrong State College, 1980;  
 M.H.S., Armstrong State College, 1984;  
 M.S.N., Georgia Southern University, 1991. (1988)

**\*GEORGE H. SHRIVER, Professor of History**

A.B., Stetson University, 1953;  
 B.D., Southeastern Baptist Theological Seminary, 1956;  
 Ph.D., Duke University, 1961. (1973)

**\*NANCY SHUMAKER, Associate Professor of Spanish**

B.A., Swarthmore College, 1967;  
 M.A., University of Georgia, 1973;  
 Ph.D., University of Georgia, 1977. (1982)

**\*THOMAS RAY SHURBUTT, Professor of History**

A.B., West Georgia College, 1965;  
 M.A., University of Georgia, 1967;  
 Ph.D., University of Georgia, 1971. (1972)

**DONALD WAYNE SIDA, Associate Professor of Early Childhood Education**

B.Ed., Chicago Teachers College, 1963;  
 M.A., Roosevelt University, 1966;  
 Ph.D., University of South Carolina, 1969. (1969)

**CYNTHIA F. SIKES, Assistant Professor of Mathematics**

B.A., Georgia College, 1971;  
 M.S., Clemson University, 1973. (1976)

**MARY W. SIKES, Instructor of Mathematics**

B.A., Coker College, 1965;  
 M.S., North Carolina State University, 1979. (1990)

**CAROL L. S. SIMONSON, Associate Professor of Nursing**

B.S.N., Cornell University-New York Hospital School of Nursing, 1960;  
 M.Ed., University of Florida, 1963;  
 Ed.S., University of New Mexico, 1987;  
 Ph.D., University of New Mexico, 1990. (1992)

**\*ANASTATIA SIMS, Associate Professor of History**

B.A., University of Texas-Austin, 1974;  
 M.A., University of North Carolina-Chapel Hill, 1976;  
 Ph.D., University of North Carolina-Chapel Hill, 1985. (1987)

**\*THOMAS ALEXANDER SINGLETARY, Professor Emeritus of Electronics Technology**

B.S., Georgia Southern College, 1959;  
 M.S., Stout State University, 1960;  
 Ed.D., University of Missouri, 1968. (1960)

**EDWARD L. SMITH, Professor of Psychology**

B.A., Drake University, 1963;  
 M.S., University of Kentucky, 1966;  
 Ph.D., University of Kentucky, 1969. (1994)

**FREDERICK SMITH, Head Circulation Librarian and Assistant Professor**

A.B.J., University of Georgia, 1975;  
M.S., Florida State University, 1976. (1986)

**JULIA FRANCES SMITH, Professor Emerita of History**

B.S., Florida State University, 1951;  
M.S., Florida State University, 1954;  
Ph.D., Florida State University, 1964. (1965)

**LARRY DON SMITH, Instructor of Management**

B.A., Harding University, 1970;  
M.B.A., Southern Methodist University, 1981. (1989)

**MALCOLM A. SMITH, Associate Professor Emeritus of Mathematics**

B.S.Ed., University of Florida, 1958;  
M.Ed., University of Georgia, 1965;  
Ed.D., University of Georgia, 1966. (1966)

**REED W. SMITH, Associate Professor of Communication Arts**

B.S., Ohio University, 1972;  
M.A., Bowling Green State University, 1973;  
Ph.D., Ohio University, 1993. (1994)

**ROBERT J. SMITH, JR., Adjunct Instructor of Military Science**

Supply Sergeant, United States Army. (1994)

**SUE L. SMITH, Assistant Professor of Family and Consumer Sciences (Housing and Equipment)**

B.S., Western Kentucky University, 1955;  
M.A., Indiana State University, 1960. (1971)

**TOM D. SMITH, Assistant Professor Emeritus of Sport Science and Physical Education**

B.S., Indiana State University, 1953;  
M.S., Indiana State University, 1959;  
M.S., Indiana University, 1971. (1971)

**WILLIAM L. SMITH, Associate Professor of Sociology**

B.A., Loras College, 1978;  
M.A., Marquette University, 1980;  
Ph.D., University of Notre Dame, 1984. (1994)

**WILLIAM ROBERT SMITH, Associate Professor of Economics**

B.S.Ed., Georgia Teachers College, 1949;  
M.B.A., Georgia Southern College, 1972. (1973)

**\*BERNARD A. SOLOMON, Professor of Art**

B.F.A., Chicago Art Institute, 1968;  
M.S.V.D., Illinois Institute of Technology, 1970.  
(1971)

**SOO GEUN SONG, Temporary Assistant Professor of Political Science**

B.A., Seoul National University, 1975;  
M.P.A., University of Georgia, 1988;  
D.P.A., University of Georgia, 1993. (1993)

**\*ROY SONNEMA, Associate Professor of Art**

B.A., Calvin College, 1976;

M.A., California State University-Fullerton, 1980;  
Ph.D., University of California-Berkeley, 1990. (1988)

**KIM A. SPANGLER, Temporary Instructor of Health Science Education**

B.S., Florida State University, 1984;  
M.A., University of Georgia, 1986. (1994)

**\*ARTHUR G. SPARKS, Professor of Mathematics and Computer Science and Chair, Department of Mathematics and Computer Science**

B.S., Georgia Southern College, 1960;  
M.Ed., University of Georgia, 1962;  
M.A., University of Florida, 1964;  
Ph.D., Clemson University, 1969. (1964)

**VIRGINIA SPELL, Instructor of English**

B.A., Georgia Southern College, 1982;  
M.A., Georgia Southern College, 1984. (1984)

**JUNE A. SPENCER, Assistant Professor of English**

B.A., Mount Holyoke College, 1965;  
M.A., New Mexico State University, 1984. (1992)

**LEON E. SPENCER, Assistant Professor of Student Development Programs**

B.A., Park College, 1976;  
M.A., Ball State University, 1979;  
Ed.S., Ball State University, 1982;  
Ed.D., Ball State University, 1983. (1994)

**\*WILLIAM R. SPIETH, Professor of Sport Science and Physical Education**

B.S., Pennsylvania State University, 1958;  
M.S., Pennsylvania State University, 1960;  
Ph.D., Pennsylvania State University, 1971. (1965)

**\*PATRICK O. SPURGEON, Professor Emeritus of English**

B.A., Emory and Henry College, 1952;  
M.A., University of Tennessee, 1958;  
Ph.D., University of Tennessee, 1963. (1966)

**JACK STALLINGS, Assistant Professor of Sport Science and Physical Education**

B.S., Wake Forest University, 1955;  
M.Ed., University of North Carolina, 1956. (1975)

**ROSE MARIE STALLWORTH-CLARK, Assistant Professor of Reading**

B.S., Huntingdon College, 1964;  
M.Ed., Georgia Southern College, 1982. (1980)

**DEBBYE STAPLETON, Assistant Professor of Mathematics**

B.S.Ed., University of Georgia, 1973;  
M.Ed., Georgia Southern College, 1978;  
Ed.S., Georgia Southern College, 1980;  
M.S.O.R., Georgia Institute of Technology, 1984.  
(1987)

**\*RICHARD J. STAPLETON, Professor of Management**

B.S., Texas Tech University, 1962; M.B.A.,  
Texas Tech University, 1966; D.B.A., Texas  
Tech University, 1969. (1970)

**\*THOMAS PATTON STEADMAN, Professor of Art**

B.S., East Tennessee State University, 1971;  
M.F.A., East Tennessee State University, 1973. (1973)

**\*JOHN W. STEINBERG, Assistant Professor of History**

B.A., University of Kansas, 1979;  
M.A., University of Kansas, 1982;  
Ph.D., Ohio State University, 1990. (1990)

**\*JANICE N. STEIRN, Assistant Professor of Psychology**

B.A., West Virginia University, 1979;  
M.S., University of Georgia, 1982;  
Ph.D., University of Georgia, 1985. (1991)

**\*JAMES C. STEPHENS, Assistant Professor of Middle Grades and Secondary Education**

B.S.Ed., Georgia Southern College, 1968;  
M.S.T., Georgia Southern College, 1972;  
Ed.S., Georgia Southern College, 1973;  
Ed.D., University of Georgia, 1988. (1990)

**ROBERT L. STEVENS, Associate Professor of Middle Grades and Secondary Education**

B.A., Keene State College, 1967;  
M.Ed., University of Massachusetts-Amherst, 1970;  
Ed.D., University of Massachusetts-Amherst, 1974.  
(1994)

**BILLY F. STEWART, Assistant Professor Emeritus of Vocational Education and Adult Education**

B.S.A., University of Georgia, 1954;  
M.Ed., University of Georgia, 1973. (1974)

**CHARLENE L. STEWART, Assistant Professor of Middle Grades and Secondary Education**

B.S., Texas Tech University, 1966;  
M.Ed., Mississippi State University, 1970. (1970)

**LEWIS M. STEWART, Assistant Professor of Finance**

B.S., Harding College, 1957;  
M.B.A., Texas Tech University, 1960. (1970)

**\*DAVID R. STONE, Professor of Mathematics**

B.S., Georgia Institute of Technology, 1964;  
Ph.D., University of South Carolina, 1968. (1968)

**\*ROBERT W. STONE, Associate Professor of Management**

B.A., Eastern Washington University, 1978;  
M.S., Purdue University, 1981;  
Ph.D., Purdue University, 1983. (1983)

**TIMOTHY STOWERS, Head Football Coach and Adjunct Instructor of Sport Science**

B.S., Auburn University, 1980;  
M.Ed., Auburn University, 1982. (1985)

**\*BEVERLY D. STRATTON, Professor of Reading and Chair, Department of Early Childhood Education and Reading**

B.S., Western Reserve University, 1958;  
M.Ed., Kent State University, 1970;

Ph.D., University of Akron, 1980. (1983)

**\*JAMES F. STRICKLAND, Professor of Mathematics Education**

B.S.Ed., University of Georgia, 1964;  
M.Ed., University of Georgia, 1966;  
Ed.D., University of Georgia, 1968. (1981)

**\*W. JAY STRICKLAND, Assistant Professor of Sociology**

B.A., Southeastern College, 1980;  
M.A., Kent State University, 1987;  
Ph.D., Kent State University, 1990. (1991)

**PHILIP E. STRONG, Director of New Student and Parent Programs and Adjunct Instructor**

B.S., Western Michigan University, 1989;  
M.S., Kansas State University, 1993. (1993)

**JORGE W. SUAZO, Temporary Assistant Professor of Spanish**

B.A., University of Chile, 1979;  
M.A., Ohio University, 1986. (1993)

**GARY B. SULLIVAN, Adjunct Assistant Professor of Nursing**

B.S., Creighton University, 1977;  
M.D., Rutgers State University-New Brunswick, 1983.  
(1989)

**LAWRENCE R. SULLIVAN, Visiting Instructor of Chemistry**

B.A., Connecticut College, 1988;  
M.S., Florida State University, 1994. (1994)

**\*CATHY OWENS SWIFT, Assistant Professor of Marketing**

B.S., Penn State University, 1969;  
M.B.A., Indiana University, 1971;  
Ph.D., University of North Texas, 1992. (1991)

**BRENDA S. TALLEY, Assistant Professor of Nursing**

A.D.N., Armstrong State College, 1978;  
B.S.N., Armstrong State College, 1980;  
M.S.N., Georgia Southern University, 1990. (1994)

**JANNA C. TAULBEE, Instructor of Reading**

B.S., Florida State University, 1968;  
M.Ed., Georgia State University, 1980;  
Ed.S., Georgia Southern College, 1986. (1986)

**JOSEPH TAYLOR, Adjunct Instructor of Nursing**

A.A.S., Pace University, 1968;  
B.S.N., City University of New York Hunter College, 1971;  
M.S.N., City University of New York Hunter College, 1972. (1994)

**LARRY TAYLOR, Assistant Professor of Political Science and Public Administration and Affirmative Action Officer**

B.A., Morehouse College, 1964;  
M.A., Wayne State University, 1968;  
Ph.D., Wayne State University, 1974. (1984)

**\*TIMOTHY M. TEETER, Assistant Professor of History**

B.A., Columbia College-Columbia University, 1976;  
M.A., Columbia University, 1980;  
M.Phil., Columbia University, 1983;  
Ph.D., Columbia University, 1989. (1991)

**\*CHARLES S. THOMAS, Associate Professor of History**

B.A., University of Tennessee, 1972;  
M.A., University of Tennessee, 1974;  
Ph.D., Vanderbilt University, 1983. (1983)

**\*DEBORAH M. THOMAS, Assistant Professor of Middle Grades and Secondary Education**

B.S., Florida State University, 1976;  
M.S., Florida State University, 1979;  
Ph.D., Florida State University, 1991. (1991)

**SABRINA L. THOMAS, Assistant Professor of Family and Consumer Sciences**

B.S., Tuskegee University, 1987;  
M.S., University of Rochester, 1989;  
Ph.D., University of North Carolina-Greensboro, 1994. (1994)

**\*PAMELA SUE THOMASON, Professor of Recreation and Leisure Services**

B.A., Purdue University, 1968;  
M.S., Purdue University, 1971;  
Ph.D., Texas A&M University, 1980. (1973)

**\*DONALD L. THOMPSON, Professor of Marketing and Chair, Department of Marketing**

B.S., University of Pennsylvania Wharton School of Finance and Commerce, 1951;  
M.S., San Francisco State University, 1958;  
Ph.D., University of California-Berkeley, 1963. (1986)

**GEORGE BENJAMIN THOMPSON, IV, Temporary Instructor of Legal Studies**

B.S., Georgia Southern University, 1990;  
J.D., University of South Carolina, 1994. (1994)

**MARTHA JANE THOMPSON, Assistant Dean of Students and Assistant Professor of Student Development Programs**

B.A., Wesleyan College, 1970;  
M.Ed., Georgia Southern College, 1973;  
Ed.S., Georgia Southern College, 1975;  
Ph.D., University of Georgia, 1980. (1987)

**RUTH ANNE THOMPSON, Assistant Professor of History**

B.A., Carson-Newman College, 1982;  
M.A., Vanderbilt University, 1991;  
J.D., University of Tennessee-Knoxville, 1985. (1994)

**TERRY W. THOMPSON, Assistant Professor of English**

B.A., West Georgia College, 1977;  
M.A., West Georgia College, 1979;  
Ed.D., University of Northern Colorado, 1985. (1991)

**\*DOUGLASS H. THOMSON, Associate Professor of English**

B.A., University of Rochester, 1975;  
M.A., University of Rochester, 1976;  
Ph.D., University of Rochester, 1980. (1981)

**\*RICHARD TICHICH, Professor of Art and Chair, Department of Art**

B.S., Saint John's University (Minnesota), 1969;  
M.A., University of Iowa, 1970;  
M.F.A., University of Texas San-Antonio, 1979. (1982)

**\*CAREN TOWN, Assistant Professor of English**

B.A., University of Alabama, 1979;  
M.A., University of Washington, 1983;  
Ph.D., University of Washington, 1987. (1988)

**\*SHARON K. TRACY, Associate Professor of Public Administration and Justice Studies**

B.A., Southern Illinois University, 1965;  
M.P.A., University of Nevada, 1978;  
D.P.A., University of Southern California, 1988. (1989)

**MICHAEL G. TREDINNICK, Counseling Psychologist and Adjunct Instructor**

B.A., University of Kent-Canterbury (England), 1976;  
M.S., Florida International University, 1989;  
Ph.D., University of Miami, 1994. (1994)

**VICKY L. TRUSSEL, Instructor of English**

B.A., Bethany College, 1964;  
M.A., University of Colorado-Denver, 1992. (1993)

**DURELLE L. TUGGLE, Instructor of Reading**

B.S.Ed., Auburn University, 1962;  
M.Ed., Georgia Southern College, 1982. (1981)

**CHARLES F. TURNER, III, Assistant Professor of Management**

B.B.A., University of Georgia, 1976;  
M.B.A., University of Georgia, 1982;  
Ph.D., University of Georgia, 1991. (1989)

**HAROLD LATHAM TYER, Professor Emeritus of School Service Personnel**

A.B., Atlantic Christian College, 1935;  
B.D., Vanderbilt University, 1937;  
M.A., East Carolina University, 1959;  
Ed.D., Duke University, 1965. (1965)

**DOUGLAS W. UNDERWOOD, Temporary Instructor of Communication Arts**

B.S., Northwest Missouri State University, 1985;  
M.A., Webster University, 1990. (1994)

**R. KELLY VANCE, Associate Professor of Geology**

B.S., University of Kentucky, 1978;  
M.S., University of Kentucky, 1985;  
Ph.D., New Mexico Institute of Mining and Technology, 1989. (1988)

**\*JOHN PIETERSON VAN DEUSEN, Professor of Middle Grades and Secondary Education**

B.A., Florida State University, 1952;  
M.A., Florida State University, 1956;  
Ed.D., Florida State University, 1961. (1969)

**DARIN H. VAN TASSELL, Temporary Instructor of International Studies**

B.A., Georgia Southern College, 1989;  
M.A., University of South Carolina, 1992. (1994)

**\*G. LANE VAN TASSELL, Professor of Political Science and Chair, Department of Political Science**

B.A., Brigham Young University, 1966;  
Ph.D., Claremont Graduate School, 1971. (1970)

**JAMES VARGO, Instructor of Mathematics**

B.A., Bellarmine College, 1982;  
M.S., University of Tennessee, 1985. (1988)

**STEPHANIE R. VAUGHAN, Temporary Instructor of Management**

B.B.A., Georgia Southern University, 1991;  
M.B.A., Georgia Southern University, 1993. (1993)

**JANICE S. VAUGHN, Professor of Social Work and Assistant to the Vice President for Academic Affairs**

B.A., Talladega College, 1964; M.S.W.,  
Atlanta University, 1971; M.P.H.,  
University of Pittsburgh, 1978;  
Ph.D., University of Pittsburgh, 1979. (1993)

**\*STEPHEN P. VIVES, Assistant Professor of Biology**

B.S., Oklahoma State University, 1980;  
M.S., Oklahoma State University, 1982;  
M.S., University of Wisconsin-Madison, 1986;  
Ph.D., University of Wisconsin-Madison, 1988. (1990)

**ARVARD O. VOGEL, Professor Emeritus of Graphic Arts Technology and Printing Management**

A.B.S., Snow College, 1951;  
B.A., University of Northern Colorado, 1957;  
M.A., University of Northern Colorado, 1957. (1967)

**LINDA SUE VON BERGEN, Temporary Instructor of English**

B.S.Ed., Armstrong State College, 1975;  
M.Ed., Georgia Southern College, 1977;  
B.A., Georgia Southern College, 1989. (1992)

**DAVID B. WAGNER, Associate Professor of Sport Science and Physical Education and Athletic Director**

B.S.Ed., Ohio University, 1961;  
M.Ed., Ohio University, 1964;  
Ph.D., Florida State University, 1972. (1981)

**\*NANCY A. WAGNER, Associate Professor of Accounting**

B.A., Southern Illinois University, 1969;  
M.A., Georgia Southern College, 1971;  
Ph.D., Georgia State University, 1983;  
C.P.A., Georgia, 1987. (1982)

**\*PATRICIA J. WALKER, Assistant Professor of Art**

B.F.A., Rhode Island School of Design, 1985;  
M.F.A., Cornell University, 1987. (1987)

**RANDAL L. WALKER, Adjunct Assistant Professor of Biology**

B.S., University of Georgia, 1977;  
M.S., Georgia Institute of Technology, 1984;  
Ph.D., University of Georgia, 1994. (1995)

**JOHN S. WALLACE, Professor of Mechanical Engineering Technology, CRT Coordinator**

B.S.A.E., Georgia Institute of Technology, 1966;  
M.S.A.E., Georgia Institute of Technology, 1968;  
Professional Engineer. (1974)

**BENJAMIN GRADY WALLER, Dean Emeritus of Students**

B.S., Georgia Southern College, 1943;  
M.Ed., University of Georgia, 1949;  
Sixth Year Certificate, Florida State University, 1963.  
(1965)

**DWILLIS WALLMAN, Associate Professor of Educational Leadership, Technology and Research**

B.A., University of Kentucky, 1973;  
M.A., West Virginia University, 1978;  
Ed.D., West Virginia University, 1987. (1993)

**LYNN WALSHAK, Head Government Documents Librarian and Professor**

B.S.Ed., Southwest Texas State University, 1968;  
M.L.S., North Texas State University, 1970. (1971)

**PATRICIA W. WALTON, Assistant Professor of Family and Consumer Sciences**

B.S.H.E., University of Georgia, 1973;  
M.F.A., Savannah College of Art and Design, 1992.  
(1992)

**\*JYH-HONE WANG, Associate Professor of Industrial Engineering Technology**

B.S., Tunghai University, 1980;  
M.S., University of Iowa, 1986;  
Ph.D., University of Iowa, 1988. (1989)

**BOZENA WARCHOL, Part-time Instructor of Reading**

B.A., III Liceum, Gdynia, Poland, 1972;  
M.A., Adam Mickiewicz University, 1977. (1988)

**\*TOMAS Z. WARCHOL, Associate Professor of English**

B.A., III Liceum, Gdynia, Poland, 1972;  
M.A., Adam Mickiewicz University, 1977;  
Ph.D. University of Massachusetts, 1984. (1984)

**\*ROBERT DAVID WARD, Professor Emeritus of History**

B.S., Alabama Polytechnic Institute, 1950;  
M.S., Alabama Polytechnic Institute, 1951;  
Ph.D., University of North Carolina, 1957. (1955)

**\*ROBERT WARKENTIN, Assistant Professor of Educational Foundations and Curriculum**

B.A., Fresno Pacific College, 1975;  
M.A., California State University, 1979;  
Ph.D., University of California-Berkeley, 1991. (1991)

**BETTY N. WASSON, Temporary Instructor of Student Development Programs**

A.S., Tidewater College, 1976;  
 B.S., Old Dominion University, 1977;  
 M.S.Ed., Old Dominion University, 1980. (1994)

**J. EUGENE WATERS, Director of Continuing Education and Adjunct Assistant Professor of Justice Studies**

B.B.A., Armstrong State College, 1972;  
 M.A., University of Georgia, 1974;  
 Ed.S., University of Georgia, 1976;  
 Ph.D., Georgia State University, 1989. (1982)

**MARY J. WATERS, Temporary Instructor of Health Science Education**

B.S.Ed., Georgia Southern College, 1986;  
 M.Ed., Georgia Southern University, 1991. (1994)

**SALLY P. WATERS, Assistant Director of Admissions and Adjunct Instructor**

B.S., Georgia Southern College, 1978;  
 M.Ed., Georgia Southern College, 1986. (1982)

**JULIE S. WATKINS, Nurse Practitioner and Instructor of Nursing**

B.S.N., Medical College of Nursing, 1982;  
 M.S.N., Georgia Southern University, 1992. (1994)

**PAMELA C. WATKINS, Assistant Professor of Mathematics**

B.S.Ed., Georgia Southern College, 1975;  
 M.S.T., Georgia Southern College, 1978. (1977)

**RICHARD J. WAUGH, Associate Professor of Justice Studies**

B.G.S., Rollins College, 1970;  
 M.S., Eastern Kentucky University, 1972. (1972)

**H. JAROLD WEATHERFORD, Professor of German**

B.A., University of Utah, 1963;  
 M.A., University of Utah, 1970;  
 Ph.D., University of Utah, 1972. (1972)

**\*DANIEL G. WEBSTER, Associate Professor of Psychology**

B.S., University of Wisconsin, 1976;  
 M.S., University of Florida, 1979;  
 Ph.D., University of Florida, 1983. (1991)

**\*DAVID E. WEISENBORN, Professor Emeritus of Economics**

B.S., Ohio State University, 1963;  
 M.S., University of Florida, 1965;  
 Ph.D., University of Florida, 1968. (1976)

**JAN WEISENBORN, Instructor of Reading**

B.S.Ed., Ohio State University, 1963;  
 M.Ed., Georgia Southern College, 1987. (1987)

**STEVEN D. WEISS, Assistant Professor of Philosophy**

B.A., University of Illinois-Urbana, 1973;  
 M.A., University of Wisconsin-Madison, 1982;  
 Ph.D., University of Wisconsin-Madison, 1989. (1990)

**MARK WELFORD, Assistant Professor of Geography**

B.Sc., Coventry Polytechnic, 1986;  
 M.S., University of Idaho, 1988;  
 Ph.D., University of Illinois-Urbana-Champaign, 1993. (1993)

**JAY NORMAN WELLS, Professor of Mathematics**

B.E.E., Georgia Institute of Technology, 1957;  
 M.S., Clemson University, 1962;  
 Ph.D., Florida State University, 1968. (1962)

**ROBERT A. WELLS, Associate Professor of Management**

B.S.Ed., University of Georgia, 1956;  
 M.Ed., Georgia Southern College, 1969;  
 Ed.D., University of Georgia, 1973. (1975)

**ROSALYN W. WELLS, Assistant Professor of Mathematics**

B.A., Agnes Scott College, 1958;  
 M.Ed., Georgia Southern College, 1969;  
 Ed.S., Georgia Southern College, 1975. (1969)

**STEVEN E. WELLS, Adjunct Professor of Military Science**

Lieutenant Colonel, United States Army;  
 B.S., United States Military Academy, 1974;  
 M.S., Rensselaer Polytechnic Institute, 1982;  
 M.S., Rensselaer Polytechnic Institute, 1983. (1993)

**DEBORAH B. WESTCOT, Instructor of Mathematics**

B.S.Ed., University of Georgia, 1971;  
 M.Ed., University of Georgia, 1974;  
 Ed.S., Georgia Southern University, 1993. (1986)

**LEON E. WETHERINGTON, Assistant Professor of Industrial Technology**

B.B.C., University of Florida, 1969;  
 M.B.C., University of Florida, 1987;  
 Ph.D., University of Florida, 1992. (1994)

**DONALD C. WHALEY, Associate Professor Emeritus of Industrial Management**

B.S., Georgia Southern College, 1956;  
 M.Ed., Georgia Southern College, 1961. (1966)

**TIMOTHY D. WHELAN, Assistant Professor of English**

B.A., Tennessee Temple University, 1977;  
 M.A., University of Missouri, 1981;  
 Ph.D., University of Maryland, 1989. (1989)

**MICAL WHITAKER, Assistant Professor of Communication Arts**

Howard University (1958-61);  
 American Academy of Dramatic Arts (1961-63);  
 B.F.A., North Carolina A & T University, 1992. (1981)

**PATRICIA D. WHITAKER, Instructor of Reading**

B.A., Morehead State University, 1975;  
 M.A.C.E., Morehead State University, 1983. (1989)

**\*WILLIAM M. WHITAKER, Professor of Finance and Chair, Department of Finance and Economics**  
B.S., Morehead State University, 1964;  
M.B.A., University of Kentucky, 1965;  
Ph.D., University of Kentucky, 1968. (1989)

**\*JANE F. WHITE, Professor Emerita of Business Communications**  
B.S., Central College, 1940;  
M.B.A., University of Denver, 1950;  
Ph.D., University of North Dakota, 1974. (1962)

**\*JOHN B. WHITE, Associate Professor of Finance**  
B.A., University of North Carolina, 1975;  
Ph.D., University of Virginia, 1985. (1989)

**MARJORIE V. WHITE, Reference Librarian and Assistant Professor**  
B.A., University of the West Indies, 1980;  
Graduate Diploma (Library Science), University of the West Indies, 1985;  
M.L.S., University of Maryland, 1991. (1993)

**SUSIE FRANCES WHITENER, Assistant Professor Emerita of Family and Consumer Sciences**  
B.S., Appalachian State University, 1944;  
M.S., University of Tennessee, 1950. (1972)

**CHRISTINE R. WHITLOCK, Visiting Assistant Professor of Chemistry**  
B.A., Huntingdon College, 1989;  
Ph.D., University of Alabama, 1994. (1994)

**FREDERICK K. WHITT, Dean of the College of Health and Professional Studies and Professor of Sport Science and Physical Education**  
B.S., Appalachian State University, 1975;  
M.A., Appalachian State University, 1976;  
Ed.D., University of Tennessee, 1982. (1992)

**\*AMBERYS R. WHITTLE, Professor of English**  
B.A., University of North Carolina, 1961;  
M.A., University of North Carolina, 1965;  
Ph.D., University of North Carolina, 1968. (1983)

**BOBBIE WILLIAMS, Instructor of Management**  
B.B.A., Georgia Southern University, 1990;  
M.B.A., Georgia Southern University, 1993. (1993)

**\*DAVID A. WILLIAMS, Associate Professor of Industrial Technology**  
B.S., Appalachian State University, 1976;  
M.A., Appalachian State University, 1978;  
Ph.D., University of Maryland-College Park, 1987. (1990)

**\*E. CAMERON WILLIAMS, Associate Professor of Marketing**  
B.S.B., U.S. Merchant Marine Academy, 1966;  
M.A., Central Michigan University, 1978;  
Ph.D., University of North Carolina (Chapel Hill), 1981. (1990)

**JEANNE P. WILLIAMS, Assistant Professor of Communication Arts**

B.S., West Virginia University, 1972;  
M.A., Marshall University, 1973;  
Ph.D., Ohio State University, 1986. (1990)

**KITTY BURKE WILLIAMS, Assistant Professor of Accounting**  
B.B.A., Georgia Southern College, 1971;  
M.B.A., Georgia Southern College, 1981;  
C.I.S.A.; C.P.A., Georgia, 1974. (1978)

**\*SCOTT H. WILLIAMS, Professor of Printing Management**  
A.S., Miami-Dade Jr. College, 1969;  
B.S., Georgia Southern College, 1972;  
M.T., Georgia Southern College, 1974. (1987)

**SUE S. WILLIAMS, ADA Coordinator and Adjunct Instructor of Political Science**  
B.A., High Point College, 1985;  
M.P.A., University of South Alabama, 1988. (1990)

**FAITH M. WILLIS, Part-time Assistant Professor of Public Administration**  
A.B., Chatham College, 1960;  
M.A., Emory University, 1961;  
Ph.D., Emory University, 1967. (1985)

**JANIE H. WILSON, Assistant Professor of Psychology**  
B.S., College of Charleston, 1989;  
Ph.D., University of South Carolina-Columbia, 1994. (1994)

**\*JERRY W. WILSON, Associate Professor of Marketing**  
B.S., Arkansas State University, 1972; M.B.A., Arkansas State University, 1973; D.B.A., Memphis State University, 1989. (1988)

**MARYLAND W. WILSON, Professor Emerita of Communication Arts**  
B.A., Winthrop College, 1936;  
M.A., University of Michigan, 1939;  
Ph.D., University of Michigan, 1952;  
Postdoctoral certificate, University of Birmingham (England) at Stratford-on-Avon, 1961. (1965)

**HERBERT L. WINDOM, Adjunct Professor of Biology (Skidaway Institute of Oceanography)**  
B.S., Florida State University, 1963;  
M.S., University of California Scripps Institute of Oceanography, 1965;  
Ph.D., University of California Scripps Institute of Oceanography. 1968. (1971)

**\*SPENCE L. WISE, Associate Professor of Accounting**  
B.B.A., Ohio University, 1963;  
M.B.A., Ohio University, 1966;  
CPA, Ohio, 1968. (1988)

**BRENDA J. WOJCIECHOWSKI, Assistant Professor of Chemistry**  
B.S., University of Massachusetts, Boston, 1984;  
Ph.D., University of Michigan, 1989. (1992)

**LYNN WOLFE, Assistant Professor of Health Science Education and Assistant Dean, College of Health and Professional Studies**

B.F.A., University of Georgia, 1969;  
M.P.H., University of California-Berkeley, 1974;  
Ed.D., University of Georgia, 1992. (1988)

**LORNE M. WOLFE, Temporary Assistant Professor of Biology**

B.Sc., McGill University, 1981;  
M.Sc., University of Toronto, 1985;  
Ph.D., University of Illinois-Urbana, 1990. (1994)

**DANETTE L. WOOD, Temporary Instructor of Nursing**

A.S.N., State University of New York-Albany, 1985;  
B.S.N., State University of New York-Albany, 1990;  
M.S.N., Georgia Southern University, 1992. (1995)

**\*ARTHUR WOODRUM, Professor of Physics and Chair, Department of Physics**

B.S., Georgia Institute of Technology, 1964;  
M.S., Georgia Institute of Technology, 1966;  
Ph.D., Georgia Institute of Technology, 1968. (1969)

**\*JAMES M. WOODS, Associate Professor of History**

B.A., University of Dallas, 1976;  
M.A., Rice University, 1979;  
Ph.D., Tulane University, 1983. (1988)

**CURTIS WOODY, Instructor of Marketing**

B.S., Georgia Southern College, 1982;  
M.B.A., Georgia Southern College, 1988. (1991)

**FREDERICK A. WRIGHT, Adjunct Instructor of Military Science**

Sergeant First Class U.S. Army. (1991)

**HARRY R. WRIGHT, Assistant Professor of Legal Studies**

B.A., Mercer University, 1976;  
J.D., Mercer University, 1979. (1983)

**NANCY S. WRIGHT, Assistant Professor of English and Acting Assistant to the Dean, College of Liberal Arts and Social Sciences**

B.A., Emory University, 1964;  
M.Ed., Georgia Southern College, 1980. (1979)

**ERNEST TILLMAN WYATT, Assistant Professor of Communication Arts**

A.B.J., University of Georgia, 1967;  
M.A., University of Georgia, 1975. (1975)

**CHONG-WEI XU, Associate Professor of Computer Science**

B.S., Hefei Industrial Engineering University, 1963;  
M.S., University of Wisconsin-Madison, 1981;  
Ph.D., Michigan State University, 1986. (1993)

**MARK A. YANOCHIK, Temporary Instructor of Finance and Economics**

B.B.A., Kennesaw State College, 1989;  
M.S., Auburn University, 1993. (1993)

**LISA SCHAFER YOCCO, Instructor of Mathematics**

B.S., Augusta College, 1977;  
M.S., Florida State University, 1978. (1989)

**\*ALFRED YOUNG, Professor of History**

B.A., Louisiana State University, 1970;  
M.A., Syracuse University, 1972;  
Ph.D., Syracuse University, 1977. (1989)

**WILLIAM C. YOUNG, Assistant Professor of Anthropology**

B.A., Cornell University, 1972;  
M.A., University of California-Los Angeles, 1974;  
Ph.D., University of California-Los Angeles, 1988. (1994)

**GINA M. ZANARDELLI, Cooperative Education Coordinator and Adjunct Instructor**

B.S., Pennsylvania State University, 1991;  
M.S., Western Maryland College, 1993. (1994)

**BENJAMIN H. ZELLNER, Professor of Physics**

B.S., Georgia Institute of Technology, 1964;  
Ph.D., University of Arizona, 1970. (1994)

**JIE ZHANG, Assistant Professor of Sociology**

B.A., Shandong University, 1982;  
M.A., Brigham Young University, 1988;  
Ph.D., Brigham Young University, 1992. (1993)

**\*JING-YUAN ZHANG, Professor of Physics**

B.S., Peking University, 1970;  
M.Sc., University of Science and Technology of China, 1981;  
D.Sc., University of Science and Technology of China, 1986. (1990)

**REBECCA ZIEGLER, Reference Librarian and Instructor**

B.A., University of Chicago, 1972;  
M.A., University of California-Los Angeles, 1976;  
M.L.S., University of California-Los Angeles, 1989;  
Ph.D., University of California-Los Angeles, 1985. (1990)

**ALAN DREW ZWALD, Assistant Professor of Sport Science and Physical Education**

B.S., College of William and Mary, 1973;  
M.S.P.E., Ohio University, 1983;  
Ph.D., Ohio University, 1985. (1994)

**VICTORIA L. ZWALD, Temporary Instructor of Student Development Programs**

B.S.Ed., Ohio University, 1984;  
M.Ed., Ohio University, 1985. (1994)

**MARVIN PITTMAN LABORATORY SCHOOL****JOHNNY W. TREMBLE, Adjunct Associate Professor of Educational Leadership, Technology, and Research and Principal**

B.S., Savannah State College, 1968;  
M.Ed., Georgia Southern College, 1976;  
Ed.S., Georgia Southern College, 1981. (1992)



**CAROLYN MANDES, Assistant Professor of Education and Assistant Principal**  
B.S., Georgia Southern College, 1956;  
M.Ed., Georgia Southern College, 1974;  
Ed.S., Georgia Southern College, 1978. (1971)

**JULIAN AUBREY PAFFORD, Principal Emeritus**  
B.S., Georgia Southern College, 1935;  
M.Ed., Duke University, 1941. (1952)

**LELLA THERESA BONDS, Demonstration School Teacher**  
B.A., Benedict College, 1966;  
M.Ed., Southern University, 1972;  
Ed.S., Georgia Southern College, 1976;  
Ed.D., University of South Carolina, 1988. (1974)

**CAROLINE BRAY, Demonstration School Teacher**  
B.S.Ed., Georgia Southern College, 1970;  
M.Ed., Georgia Southern College, 1983;  
Ed.S., Georgia Southern College, 1987. (1988)

**MARJORIE L. COLLINS, Demonstration School Teacher**  
A.A., Miami Dade Junior College, 1970;  
B.S.Ed., Georgia Southern College, 1973;  
M.Ed., Georgia Southern College, 1979;  
Ed.S., Georgia Southern College, 1985. (1977)

**HOWARD DEWEY, Demonstration School Teacher**  
B.S., Cortland State University, 1990. (1994)

**KAREN DOTY, Demonstration School Teacher**  
B.A., University of Kentucky, 1983;  
M.Ed., Georgia Southern College, 1987;  
Ed.S., Georgia Southern University, 1991. (1987)

**SHARON C. EDENFIELD, Demonstration School Teacher**  
A.B., Armstrong State College, 1968;  
M.Ed., Georgia State University, 1974. (1989)

**KAREN FUSSELL, Demonstration School Teacher**  
B.A., Wesleyan College, 1984. (1992)

**CONSTANCE JOHNSON, Demonstration School Teacher**  
B.A., Marshall University, 1974;  
M.Ed., University of South Carolina, 1978;  
Ed.S., Georgia Southern College, 1983. (1979)

**BETH N. JOYNER, Demonstration School Teacher**  
A.B., Tift College, 1966;  
M.Ed., University of Georgia, 1970;  
Ed.S., Georgia Southern College, 1972. (1987)

**JULIE LANIER, Demonstration School Teacher**  
B.S.Ed., Georgia Southern College, 1969;  
M.Ed., Georgia Southern College, 1975. (1978)

**BUNYAN MORRIS, Demonstration School Teacher**  
B.S.Ed., Georgia Southern College, 1985;  
M.Ed., Georgia Southern College, 1989. (1989)

**NAN M. NELSON, Demonstration School Teacher**  
B.S., University of Alabama, 1977;  
M.Ed., Georgia Southern College, 1986. (1980)

**LAURA S. POLLETTE, Demonstration School Teacher**  
B.S., Georgia Southern College, 1962;  
M.Ed., Georgia Southern College, 1970;  
Ed.S., Georgia Southern College, 1973. (1972)

**SANDRA RAKESTRAW, Demonstration School Teacher**  
B.S.Ed., Auburn University, 1967;  
M.S., University of Southern Mississippi, 1969.

**PATRICIA REINHEIMER, Demonstration School Teacher**  
B.S.Ed., Old Dominion Univ., 1973,  
M.Ed., Georgia Southern College, 1978;  
Ed.S., Georgia Southern University, 1993. (1986)

**JUDY L. ROADS, Demonstration School Teacher**  
B.S., Atlantic Christian, 1965;  
M.Ed., Georgia Southern College, 1982.

**MARY J. SHIRREFFS, Demonstration School Teacher**  
A.S.Ed., Young Harris College, 1975;  
B.S.Ed., Georgia Southern College, 1977;  
M.Ed., Georgia Southern College, 1979;  
Ed.S., Georgia Southern University, 1990. (1978)

**JERRY P. SINGLETARY, Demonstration School Teacher**  
B.S.Ed., Georgia Southern College, 1965;  
M.Ed., University of Missouri, 1969;  
Ed.S., Georgia Southern College, 1975. (1975)

**HARRIET B. SMITH, Demonstration School Teacher**  
B.S.Ed., Georgia Southern College, 1962;  
M.Ed., Georgia Southern College, 1974;  
Ed.S., Georgia Southern College, 1983. (1975)

**ABBY WEBB, Demonstration School Teacher**  
B.S., North Georgia College, 1981;  
M.Ed., Georgia Southern University, 1990;  
Ed.S., Georgia Southern University, 1994. (1993)

**MARY M. WHEELER, Demonstration School Teacher**  
B.A., Purdue University, 1969;  
M.S., Purdue University, 1970;  
Ed.S., Georgia Southern College, 1983. (1982)

## DIRECTORY

### OFFICE OF THE PRESIDENT

Landrum Box 8033  
Georgia Southern University  
Statesboro, GA 30460  
912-681-5211

### OFFICE OF THE VICE PRESIDENT

for Academic Affairs  
Landrum Box 8022  
Georgia Southern University  
Statesboro, GA 30460  
912-681-5258

### OFFICE OF THE VICE PRESIDENT FOR BUSINESS AND FINANCE

Landrum Box 8103  
Georgia Southern University  
Statesboro, GA 30460  
912-681-5491

### OFFICE OF THE VICE PRESIDENT FOR STUDENT AFFAIRS\*

Landrum Box 8063  
Georgia Southern University  
Statesboro, GA 30460  
912-681-5256

### OFFICE OF ADMISSIONS

Landrum Box 8024  
Georgia Southern University  
Statesboro, GA 30460  
912-681-5531

### OFFICE OF THE REGISTRAR

Landrum Box 8092  
Georgia Southern University  
Statesboro, GA 30460  
912-681-5152

### ACADEMIC ADVISEMENT CENTER

Landrum Box 8145  
Georgia Southern University  
Statesboro, GA 30460  
912-681-5401

### FINANCIAL AID

Landrum Box 8065  
Georgia Southern University  
Statesboro, GA 30460  
912-681-5413

### HOUSING OFFICE

Landrum Box 8102  
Georgia Southern University  
Statesboro, GA 30460  
912-681-5406

### CAMPUS SECURITY

Landrum Box 8072  
Georgia Southern University  
Statesboro, GA 30460  
912-681-5234

### HEALTH SERVICES

Landrum Box 8043  
Georgia Southern University  
Statesboro, GA 30460  
912-681-5641

### CAMPUS INFORMATION

(912) 681-5611

\* In case of an emergency, please contact the Office of the Vice President for Student Affairs.

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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