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1994 - 1995

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# GENERAL CATALOG



1994-1995

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Statesboro, Georgia 30460  
A Unit of the University System of Georgia  
Equal Opportunity/Affirmative Action Institution

For Reference

Not to be taken from this room

## GENERAL CATALOG



GEORGIA SOUTHERN UNIVERSITY  
Statesboro, Georgia

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

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**APPLICATION**

## UNIVERSITY CALENDAR

### FALL 1994 — Summer 1995

#### FALL QUARTER, 1994

August 1	Deadline for Fall Quarter Undergraduate Application
August 16	Deadline for Fall Quarter Graduate Application
September 5	Labor Day
September 7	Early Registration Fee Payment Deadline for Fall Quarter 1994
September 12	Academic Year Begins
September 12	Deans, Directors, and Department Heads Meeting, 9:00 a.m.
September 12	Admissions Committee Meeting, 2:00 p.m.
September 15	New Faculty Orientation and Workshop, 9:00 a.m.-4:00 p.m.
September 16	Faculty Meetings by Colleges: College of Arts and Sciences, 9:00 a.m. College of Business, 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 Technology, 9:00 a.m.
September 16	General Faculty Meeting, 2:00 p.m.
September 16	Undergraduate Evening Studies Final Registration, 5:00-6:00 p.m.
September 17	Residence Hall check-in, 10:00 a.m.-5:00 p.m.
September 18	Residence Hall check-in, 10:00 a.m.-5:00 p.m.
September 18	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 and program begins at 1:00 p.m.
September 19	Residence Hall Check-In, 10:00 a.m.-5:00 p.m.
September 19	New Student Registration, Williams Center, 9:00 a.m.
September 19	Admissions Committee Meeting, 2:00 p.m.
September 19	Savannah State Graduate Registration, 4:00-7:00 p.m. (pre-registration by mail)
September 19	Armstrong State Graduate Registration, 2:00-7:00 p.m. (pre-registration by mail)
September 20	Final Registration for Former Students, Williams Center, 10:30 a.m.-6:00 p.m.
September 21	Brunswick Graduate Registration, 4:00-6:00 p.m. (pre-registration by mail)
September 21	Fort Gordon Graduate Registration, 4:00-6:00 p.m. (pre-registration by mail)
September 21	Drop/Add, 8:00 a.m.-4:00 p.m.
September 21	Classes Begin for Once-A-Week Wednesday Classes
September 21	\$50 Late Registration Fee Begins
September 22, 23, 26	Schedule Adjustment, Fall Quarter 1994
September 22	Classes Begin
September 22	Final Date for Filing Application in Registrar's Office for Completing Degree Requirements for Fall 1994
September 23	Admissions Committee Meeting, 9:00 a.m.
September 30	Deadline for M.Ed. and M.S.T. Students to Register to Take the Comprehensive Examination During Fall Quarter
October 3	Deadline for Winter Quarter International Graduate Student Application
October 22	Homecoming
October 29	Comprehensive Examination for M.Ed. and M.S.T. Students (offered on the Statesboro campus)

October 31	Last Day to Withdraw Without Academic Penalty from Regular Day Classes
November 1	Admissions Committee Meeting, 2:00 p.m.
November 7-11	Early Registration for Graduate Students at Armstrong State College
November 8	Early Registration for Undergraduate Evening Studies classes, Winter Quarter 1995, 5:00 - 6:00 p.m.
November 8-11/14-17	Early Registration for Winter Quarter 1995, Williams Center
November 12	Parents' Weekend
November 14	For Graduate Candidates, One Copy of Completed Thesis Due in Office of the Vice President for Graduate Studies (by appointment)
November 18	Deadline for Winter Quarter Graduate Application
November 18	Schedule Adjustment, Winter Quarter 1995
November 21	For Graduate Candidates, Final Date for Holding Comprehensive Examinations
November 23-25	Thanksgiving Holidays
November 23-25	Administrative Offices Will Be Closed
November 23	Residence Halls Close at 9:00 a.m.
November 27	Residence Halls Open at 1:00 p.m.
December 1	Deadline for Winter Quarter Undergraduate Application
December 5	Last Day of Classes
December 5	Final Exam for Monday Evening Classes
December 6	Final Exam for Tuesday Evening Classes and Tuesday/Thursday Evening Classes
December 6-9	Examinations for Regular Classes (See schedule in Fall Quarter Schedule of Classes.)
December 7	Final Exam for Monday/Wednesday Evening Classes
December 7	Final Exam for Wednesday Evening Classes
December 8	Final Exam for Thursday Evening Classes
December 10	Holidays for Students Begin
December 10	Residence Halls Close at 10:00 a.m., (except for graduating students)
December 11	Graduation 4:00 p.m.
December 12	Early Registration Fee Payment Deadline for Winter Quarter 1995 Classes
December 15	Deadline for Spring Quarter International Student Graduate Application
December 21-27	Administrative Offices Will Be Closed

### WINTER QUARTER, 1995

January 2	Administrative Offices Will Be Closed.
January 2	Residence Halls Check-In 10:00 a.m.
January 2	Admissions Committee Meeting, 2:00 p.m.
January 3	New Student Orientation and Advisement, Russell Union. Check-in begins at 7:30 a.m. and program begins at 8:30 a.m.
January 3	New Student Registration, Williams Center, 11:00 a.m.
January 3	Final Registration for Former Students, Williams Center, 1:00 p.m.-7:00 p.m.
January 3	Savannah State Graduate Registration, 4:00-7:00 p.m. (pre-registration by mail)
January 3	Armstrong State Graduate Registration, 2:00-7:00 p.m. (pre-registration by mail)
January 4	Drop/Add 8:00 a.m.-4:00 p.m.
January 4	\$50 Late Registration Fee Begins
January 4	Admissions Committee Meeting, 9:00 a.m.
January 4	Brunswick Registration, 4:00-6:00 p.m. (pre-registration by mail)
January 4	Fort Gordon Graduate Registration, 4:00-6:00 p.m. (pre-registration by mail)

January 4	Classes Begin for Once-A-Week Wednesday Classes
January 5	Classes Begin
January 5	Final Date for Filing Application in Registrar's Office for Completing Degree Requirements Winter Quarter 1995
January 5, 6, 9	Schedule Adjustment, Winter Quarter 1995
January 6	Admissions Committee Meeting, 9:00 a.m.
January 15	Deadline for M.Ed. and M.S.T. Students to Register to Take the Comprehensive Examination During Winter Quarter
January 16	Holiday—Martin Luther King's Birthday Observed
January 31	Application for Student Teaching 1996-97
February 11	Comprehensive Examination for M.Ed. and M.S.T. Students (offered on the Savannah campus)
February 13	Last Day to Withdraw Without Academic Penalty from Regular Day Classes
February 13-17	Early Registration for Graduate Students at Armstrong State College
February 14	Admissions Committee Meeting, 2:00 p.m.
February 21	Early Registration for Undergraduate Evening Studies Classes Spring Quarter 1995, 5:00-6:00 p.m.
February 21-24/	
February 27-March 2	Early Registration for Spring Quarter 1995, Williams Center
February 24	Deadline for Spring Quarter Graduate Application
March 1	Deadline for Spring Quarter Undergraduate Application
March 3	Schedule Adjustment, Spring Quarter 1995
March 14	Last Day of Classes
March 14	Final Exam for Tuesday Evening Classes
March 15	Final Exam for Wednesday Evening Classes
March 15-18	Examinations for Regular Day Classes (See schedule in Winter Schedule of Classes.)
March 15	Early Registration Fee Payment Deadline for Spring Quarter 1995
March 16	Final Exam for Thursday Evening Classes and Tuesday/Thursday Evening Classes
March 16	Brunswick and Fort Gordon Registration for Spring Quarter 1995, 4:00-6:00 p.m.
March 17	Final Exam for Monday Evening Classes and Monday/Wednesday Evening Classes at 6:00 p.m.
March 17	Deadline for Summer Quarter International Graduate Student Application
March 19	Spring Recess for Students Begins
March 19	Residence Halls Close at 10:00 a.m.

**SPRING QUARTER 1995**

March 16	Brunswick Registration, 4:00-6:00 p.m. (pre-registration by mail)
March 16	Fort Gordon Registration, 4:00-6:00 p.m. (pre-registration by mail)
March 17	Deadline for Summer Quarter International Graduate Student Application
March 26	Residence Halls Open at 10:00 a.m.
March 26	Admissions Committee Meeting, 2:00 p.m.
March 27	New Student Orientation and Advisement, Russell Union. Check-in begins at 7:30 a.m. and program begins at 8:30 a.m.
March 27	New Student Registration, Williams Center, 11:00 a.m.
March 27	Final Registration for Former Students, Williams Center, 1:00 p.m.-7:00 p.m.

March 27	Armstrong State Graduate Registration, 2:00-7:00 p.m. (pre-registration by mail)
March 27	Savannah State Graduate Registration, 4:00-7:00 p.m. (pre-registration by mail)
March 27	Classes Begin for Once-A-Week Monday Evening Classes
March 28	Drop/Add 8:00 a.m.-4:00 p.m.
March 28	Classes Begin for Once-A-Week Tuesday Evening Classes
March 28	\$50 Late Registration Fee Begins
March 28	Admissions Committee Meeting, 9:00 a.m.
March 29	Classes Begin
March 29	Final Date for Filing Application in Registrar's Office for Degree, June Graduation
March 29, 30, 31	Schedule Adjustment, Spring Quarter 1995
March 30	Admissions Committee Meeting, 9:00 a.m.
April 1	Deadline for M.Ed. and M.S.T. Students to Register to Take the Comprehensive Examination During Spring Quarter
May 3	Honors Day (8:00 and 9:00 classes will be canceled)
May 3	Deadline for Fall Quarter Master of Social Work Applications
May 4	Last Day to Withdraw Without Academic Penalty from Regular Day Classes
May 6	Comprehensive Examination for M.Ed. and M.S.T. Students (offered on the Statesboro campus)
May 8	Early Registration for Undergraduate Evening Studies Classes for Summer Quarter 1995, 5:00-6:00 p.m.
May 8-11	Early Registration for Summer Quarter 1995, Williams Center
May 9	Admissions Committee Meeting, 2:00 p.m.
May 12	Schedule Adjustment, Summer Quarter 1995
May 12	For Graduate Candidates, one copy of completed thesis due in Office of the Vice President for Graduate Studies (by appointment)
May 15	Early Registration for Undergraduate Evening Studies Classes for Fall Quarter 1995, 5:00-6:00 p.m.
May 15-19	Early Registration for Graduate Students at Armstrong State College
May 15-19/22-24	Early Registration for Fall Quarter 1995, Williams Center
May 19	Deadline for Summer Quarter Graduate Application
May 19	For Graduate Candidates, June Commencement, final date for holding terminal examinations
May 25	Schedule Adjustment, Fall Quarter 1995
June 1	Deadline for Summer Quarter Undergraduate Application
June 2	Last Day of Classes
June 2	Last Day of Graduate Classes Armstrong State College
June 5	Final Exam for Monday evening classes
June 5-8	Examinations for regular day classes (See schedule in Spring Quarter Schedule of Classes.)
June 6	Final Exam for Tuesday Evening Classes
June 7	Final Exam for Wednesday Evening Classes and Monday/Wednesday Evening Classes
June 7	Early Registration Fee Payment Deadline for Summer Quarter 1994
June 8	Final Exam for Thursday Evening Classes and Tuesday/Thursday Evening Classes
June 8	Brunswick and Fort Gordon Registration for Summer Quarter 1995, 4:00 -6:00 p.m.
June 9	Residence Halls Close at 10:00 a.m. (except for graduating students)
June 10	Graduation

**SUMMER QUARTER, 1995**

June 8	Brunswick Registration (pre-registration by mail)
June 8	Fort Gordon Registration (pre-registration by mail)
June 13	Application Deadline for Fall Quarter International Graduate Student Application
June 15	Deadline for M.Ed. and M.S.T. Students to Register to Take the Comprehensive Examination During Summer Quarter
June 17	Admissions Committee Meeting, 10:00 a.m.
June 18	Residence Halls Open at 1:00 p.m.
June 19	New Student Orientation and Advisement, Russell Union. Check-in begins at 7:30 a.m. and program begins at 8:30 a.m.
June 19	New Student Registration, Williams Center, 11:00 a.m.
June 19	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 19	Armstrong State Graduate Registration, 2:00-7:00 p.m. (pre-registration by mail)
June 19	Savannah State Graduate Registration, 4:00-7:00 p.m. (pre-registration by mail)
June 20	Classes Begin—31- and 36-Day Sessions
June 20	Drop/Add for 31- and 36-Day Sessions 8:00 a.m.-4:00 p.m.
June 20	\$50 Late Registration Fee Begins
June 20	Admissions Committee Meeting, 10:00 a.m.
June 21	Final Date for Filing Application in Registrar's Office for Degree, August Graduation
June 22	Admissions Committee Meeting, 9:00 a.m.
July 4	Holiday—Independence Day Observed
July 12	Last Day to Withdraw Without Academic Penalty from Regular Day Courses for 31-Day Session
July 15	Comprehensive Examination for M.Ed. and M.S.T. Students (offered on the Savannah campus)
July 17	Last Day to Withdraw Without Academic Penalty from Regular Day Courses for 36-Day Session
July 18	Admissions Committee Meeting, 2:00 p.m.
July 19	For Graduate Candidates, August Commencement, one copy of completed thesis due in the Office of the Vice President for Graduate Studies
July 24-28	Early Registration for Graduate Students of Armstrong State College
July 26	For Graduate Candidates, August Commencement, final date for holding terminal examinations
August 1	Deadline for Fall Quarter Undergraduate Application
August 2	Last Day of Regular Classes for 31-Day Session
August 3-5	Examinations for Regular Day Classes 31-Day Session (See schedule in Summer Quarter Schedule of Classes.)
August 3	Final Exam for Tuesday/Thursday Afternoon Classes
August 4	Final Exam for Tuesday/Thursday Evening Classes
August 9	Last Day of Regular Classes for 36-Day Session
August 10-12	Examinations for Regular Day Classes 36-Day Session (See schedule in Summer Quarter Schedule of Classes.)
August 13	Graduation, 4:00 p.m.
August 13	Residence Halls Close at 10:00 a.m., (except for graduating students)
August 16	Deadline for Fall Quarter Graduate Application

# INSTITUTIONAL TESTING SCHEDULE 1994-95

*(Dates are subject to change.)*

## CPE

Saturday	December 3, 1994
Saturday	February 4, 1995
Saturday	March 4, 1995
Saturday	April 8, 1995
Saturday	May 13, 1995
Saturday	June 17, 1995
Saturday	August 19, 1995

## ISAT

Tuesday	August 23, 1994
Tuesday	October 18, 1994
Tuesday	February 28, 1995
Tuesday	May 9, 1995

## REGENTS

Monday/Tuesday	October 24 & 25, 1994
Monday/Tuesday	February 13 & 14, 1995
Monday/Tuesday	May 8 & 9, 1995
Tuesday	July 25, 1995

## MAT

Saturday	August 6, 1994
Saturday	October 1, 1994
Saturday	December 10, 1994
Saturday	January 21, 1995
Saturday	March 11, 1995
Saturday	April 29, 1995
Saturday	June 3, 1995

## LEGISLATIVE

Tuesday	November 8, 1994
Tuesday	January 31, 1995
Tuesday	May 9, 1995
Tuesday	July 11, 1995

## NURSING (NLN Profile II)

Friday/Saturday	September 23 & 24, 1994
Friday/Saturday	January 6 & 7, 1995
Friday/Saturday	March 3 & 4, 1995
Friday/Saturday	May 5 & 6, 1995
Friday/Saturday	July 7 & 8, 1995

## NEAS

Saturday	November, 1994
Saturday	April, 1995

## NATIONAL TESTING SCHEDULE 1994-95

*(Dates are subject to change.)*

### TOEFL

Friday June 2, 1995

### GMAT

Saturday October 15, 1994

Saturday January 21, 1995

Saturday March 18, 1995

Saturday June 17, 1995

### SAT

Saturday October 8, 1994

Saturday December 3, 1994

Saturday January 28, 1995

Saturday April 1, 1995

Saturday May 6, 1995

Saturday June 3, 1995

### GRE

Saturday October 8, 1994

Saturday December 10, 1994

Saturday April 8, 1995

Saturday June 3, 1995

### ACT

Saturday December 10, 1994

Saturday February 4, 1995

### LSAT

Saturday October 1, 1994

Saturday December 3, 1994

### CLEP

Wednesday November 9, 1994

Wednesday January 4, 1995

Wednesday February 22, 1995

Friday May 12, 1995

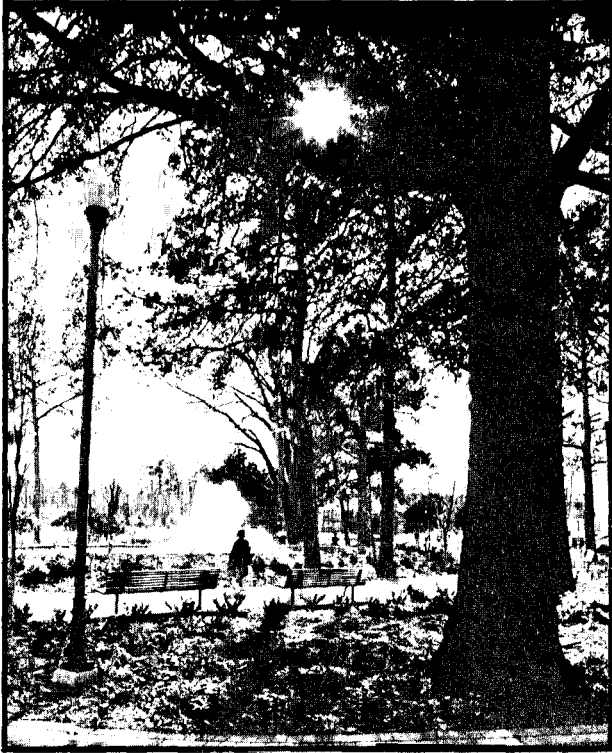
Friday July 7, 1995

### PHARMACY

Saturday October, 1994

Saturday February, 1995





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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 non-voting 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

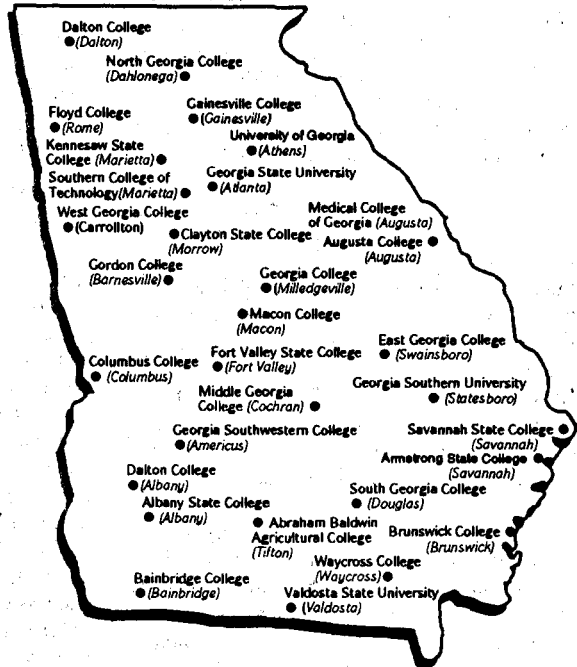
\*Universities—Graduate

~Senior Colleges—Limited Graduate Studies

#Two-year Colleges

- # 1. **Abraham Baldwin Agricultural 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. **Dartmouth 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 affiliated institutions, Armstrong State College and Savannah State College, and through the Brunswick Consortium. As a residential campus, the University offers a variety of educational, cultural, social, and athletic experiences in a warm and caring environment. As a state-supported university, it assumes responsibility for leadership in the advancement of the region, using its resources to serve regional interests and to enhance the quality of life.

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

Georgia Southern University offers high-quality undergraduate and graduate degree programs in a nurturing environment in which personal growth, lifelong learning, and intellectual and moral development flourish. The University is committed to developing each student's ability to make informed decisions and to recognize the ethical dimensions of a decision. All undergraduates share a common educational experience designed to expand their awareness of human potential. They have the opportunity and obligation to explore moral, ethical, and aesthetic issues; creative

self-expression; the history of thought and cultures; the implications of personal responsibility in a democratic, pluralistic society in a world of cultural diversity; the physical world and ecology; and the technological and economic environment in a complex world. At a fundamental level, the curriculum stresses reasoning and communication skills. The University experience prepares students to value and do constructive work, to benefit from leisure, and to engage in public service while in the academic setting and outside it. The ultimate purpose of Georgia Southern is to educate students to be responsible, productive, and contributing members of a democratic society within the world community; respecting the rights and the viewpoints of others.

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

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

schools undertake educational, cultural, social, and technical outreach programs in their areas of specialization and through cooperative partnerships with the public and private sector.

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

## HISTORY OF GEORGIA SOUTHERN UNIVERSITY

On December 1, 1906, the newly appointed First District Board of Trustees convened in Savannah, Georgia. It was one of 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 15 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 (now Colleges)—Arts and Sciences, Education, and Graduate Studies—were established in 1968, followed by the School of Business in 1971, and the School of

Technology and the School of Health and Professional Studies in 1980. In 1981 football was reintroduced to Georgia Southern after a hiatus of almost forty years, inaugurating a new winning tradition of Division I intercollegiate sports.

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

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

### ACCREDITATIONS

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

#### DEPARTMENT/PROGRAMS

#### ACCREDITING ORGANIZATION

<b>Counseling Center</b> .....	International Association of Counseling Services
<b>Arts and Sciences</b>	
Chemistry .....	American Chemical Society
Computer Science .....	Computer Science Accreditation Commission
Music .....	National Association of Schools of Music
Public Administration .....	National Association of Schools of Public Affairs and Administration
<b>Business</b>	
Undergraduate and Graduate .....	American Assembly of Collegiate Schools of Business
Accounting Program .....	American Assembly of Collegiate Schools of Business
<b>Education</b>	
Undergraduate and Graduate .....	National Council for Accreditation of Teacher Education Georgia State Department of Education
<b>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

**Technology**

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

**ACADEMIC STRUCTURE**

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

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

**I. COLLEGE OF ARTS AND SCIENCES**

Dr. Leo Parrish, acting dean

**DEPARTMENT OF ART**

Mr. Richard Tichich, chair

**DEPARTMENT OF BIOLOGY**

Dr. Wayne Krissinger, acting chair

**DEPARTMENT OF CHEMISTRY**

Dr. Bill Ponder, chair

**DEPARTMENT OF COMMUNICATION ARTS**

Dr. David W. Addington, chair

**DEPARTMENT OF LEARNING SUPPORT**

Dr. Curtis E. Ricker, chair

**DEPARTMENT OF ENGLISH AND PHILOSOPHY**

Dr. James R. Nichols, chair

**DEPARTMENT OF FOREIGN LANGUAGES**

Dr. David W. Seaman, chair

**DEPARTMENT OF GEOLOGY AND GEOGRAPHY**

Dr. Fredrick Rich, chair

**DEPARTMENT OF HISTORY**

Dr. Walter J. Fraser, Jr., chair

**DEPARTMENT OF MATHEMATICS AND COMPUTER SCIENCE**

Dr. Arthur Sparks, chair

**DEPARTMENT OF MUSIC**

Dr. Raymond Marchionni, chair

**DEPARTMENT OF PHYSICS**

Dr. Arthur Woodrum, chair

**DEPARTMENT OF POLITICAL SCIENCE**

Dr. G. Lane Van Tassel, 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. Karen Fortin, chair

**DEPARTMENT OF FINANCE AND ECONOMICS**

Dr. William M. Whitaker, chair

**DEPARTMENT OF MANAGEMENT**

Dr. William McCartney, chair

**DEPARTMENT OF MARKETING**

Dr. Donald L. Thompson, chair

**III. COLLEGE OF EDUCATION**

Dr. Rob Freeman, acting dean

**DEPARTMENT OF EARLY CHILDHOOD AND READING**

Dr. Beverly D. Stratton, chair

**DEPARTMENT OF EDUCATIONAL FOUNDATIONS AND CURRICULUM**

Dr. Jane A. Page, chair

**DEPARTMENT OF EDUCATIONAL LEADERSHIP, TECHNOLOGY, AND RESEARCH**

Dr. Ronald Davison, chair

**DEPARTMENT OF MIDDLE GRADES AND SECONDARY EDUCATION**

Dr. Michael G. Allen, acting chair

**DEPARTMENT OF STUDENT DEVELOPMENT PROGRAMS**

Dr. James J. Bergin, chair

**MARVIN PITTMAN LABORATORY SCHOOL**

Mr. Johnny Tremble, principal

**IV. COLLEGE OF HEALTH AND PROFESSIONAL STUDIES**

Dr. Frederick K. Whitt, dean

**DEPARTMENT OF FAMILY AND CONSUMER SCIENCES**

Dr. John J. 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. Patrick Cobb, acting chair

**RURAL HEALTH AND RESEARCH**

Dr. Charlene Hanson, director

**V. ALLEN E. PAULSON**

**COLLEGE OF TECHNOLOGY**

Dr. James E. Manring, dean

**DEPARTMENT OF ENGINEERING TECHNOLOGY**

Mr. Roland Hanson, chair

**DEPARTMENT OF INDUSTRIAL TECHNOLOGY**

Dr. Keith Hickman, chair

**DEPARTMENT OF MILITARY SCIENCE**

Lt. Col. Steven Wells

**ENGINEERING STUDIES**

Dr. Gerald Jones, director

**VI. COLLEGE OF GRADUATE STUDIES**

Dr. Wilson G. Bradshaw, vice president and dean

**UNDERGRADUATE DEGREES**

**INTERDISCIPLINARY**

**Bachelor of General Studies**

**COLLEGE OF ARTS AND SCIENCES**

**Bachelor of Arts with majors in**

Anthropology

Art

Biology

Chemistry

Communication Arts

Economics: Emphasis in

International Economics\*\*

English

French

Geology

German

History

Mathematics

Music

Physics

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*

Emphasis in Jazz Performance\*\*

(*Instrumental and Keyboard only*)

Elective Studies in Business

**Bachelor of Science with majors in**

Biology

Chemistry: Emphasis in

Biochemistry

Communication Arts: Emphases in

Broadcasting\*\*

Public Relations\*\*

Computer Science

Geology

Journalism

Mathematics

Physics

Political Science

Psychology

Sociology

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



**Sociology:**  
Emphasis in Social Work

**Bachelor of Science in Biology**  
Emphasis in Biological Oceanography\*\*

**Bachelor of Science in Chemistry**  
Emphasis in Biochemistry

**Bachelor of Science in Justice Studies**

**Associate of Applied Science in Justice Studies**

**Bachelor of Science in Mathematics**  
Emphasis in Computer Science\*\*

**Pre-Professional Programs**

Pre-Agriculture  
Pre-Dentistry  
Pre-Forestry (two years)  
Pre-Law  
Pre-Medicine  
Pre-Optometry  
Pre-Pharmacy (two years)  
Pre-Veterinary

**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\*\*  
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**  
Art

Early Childhood Education  
Health and Physical Education  
Middle Grades Education

*Teaching Fields:*

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

Special Education for Exceptional Children  
Trade and Industrial Education

**COLLEGE OF HEALTH AND  
PROFESSIONAL STUDIES**

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

Health and Fitness Promotion  
Community Health Education  
Sport Management: Emphases in  
Sport Administration\*\*  
Sport Promotion\*\*  
Sport Communication\*\*

**Pre-Professional Programs**

Pre-Physical Therapy  
Pre-Occupational Therapy  
Pre-Nursing

**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

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

**Foods and Nutrition:**

Dietetics\*

Hospitality Administration\*

Interior Design and Housing

Restaurant, Hotel and Institutional Administration

**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 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**

**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 20 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 15 of the 20 hours must be earned at Georgia Southern.

Internship hours may not be applied to the minor.

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

**ANTHROPOLOGY**

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

**ART**

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

**BIOLOGY**

Prerequisites: Biology 151 and 152. Minor program: 20 hours from upper-division course offerings. A maximum of 10 hours from the following may be substituted for upper-division courses: Biology 281, 282.

**BUSINESS**

The business minor is acceptable only as a second minor in the B.A. programs or as an optional minor in the other baccalaureate programs.

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

**CHEMISTRY**

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

**COMMUNICATION ARTS**

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

**COMPUTER SCIENCE**

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

**ECONOMICS**

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

**ENGLISH**

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

**FAMILY AND CHILD STUDIES**

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

**FASHION MERCHANDISING**

The fashion merchandising minor is acceptable only as a second minor in the B.A. programs or as an optional minor in other baccalaureate programs. **Prerequisite:** AD 168. **Minor program:** 20 hours selected from upper-division courses in fashion merchandising.

**FINANCE**

The finance minor is acceptable only as a second minor in the B.A. programs or as an optional minor in other baccalaureate programs. A minor in Finance is designed to provide the student with a better understanding of funds acquisition and management for both profit and non-profit organizations. **Prerequisites:** ACC 251, ACC 252, ECO 260 and FIN 351. **Minor program:** 20 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 10 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, 20 upper-division hours including CIS 381, CIS 384, CIS 488, and an Information Systems elective approved by an Information Systems Advisor from the College of Business Administration.

**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: 20 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.

### WRITING

Minor Program: 20 hours of upper-division courses, distributed as follows: Minimum of 15 hours in writing selected from ENG 3420, 430, 4453, 4421, 4422 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.

Names of committee chairpersons follow:

African and African American Studies—

Dr. Alfred Young

American Studies—Dr. Meg Young Geddy,

English and Philosophy

Comparative Literature—Dr. David W.

Robinson, English and Philosophy

International Studies—Dr. Zia H. Hashmi,  
Center for International Studies  
Latin American Studies—Dr. Ray Shurbutt,  
History  
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 3463. African American Literature  
ENG/AAS 399. African American Women's  
Literature  
ENG/AAS 5410. 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 4461. Drama to Ibsen  
CLT/ENG 4430. Literary Criticism  
CLT/ENG 4480. Commonwealth Literature  
CLT/ENG 5403. Modern Drama  
CLT/ENG 5405. The Bible as Literature  
CLT/ENG 5470. 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 4452. History of the English Language

ENG 4453. Advanced Composition

CAS 443. Semantics

CAS 551. Descriptive Linguistics

FL/ANT 350. Introduction to Language

FL 351. Latin and Greek 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 5405—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 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 385—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 built 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 advancing and assisting the region's economic development. Continuing Education provides opportunities for lifelong learning, professional development and personal growth for children and adults.*

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

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

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

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

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

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

### CONFERENCE CENTER

In April, 1991, the Division opened a 28,000-square-foot, 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 11 rooms (15, if rooms are divided), including a 15-station computer training center. It has an excellent inventory of instructional/training-support equipment, including audiovisual systems and satellite receiving equipment.

In 1997, a 16-million dollar expansion of the Southern Center will be completed, increasing meeting space and providing for on-site meal

preparation in a fully equipped kitchen. An 8,000 square foot multi-purpose room (which can be partitioned into three smaller areas) will accommodate over 600 for banquet functions. In addition to a 100-station tiered meeting room, the Center will contain a 24-station computer training center, an executive board room, and meeting rooms of various sizes. Total meeting planning services and amenities will be available to conferencees.

### PUBLIC SERVICE INSTITUTE

In April 1972, the Board of Regents approved the establishment of a Public Service Institute to function in the Division of Continuing Education and Public Services. The purpose of the Institute is to act on the needs and problems of southeast Georgia. A multi-disciplinary approach is used to respond to requests for assistance. This assistance is available to businesses, institutions, and agencies that seek solutions to problems in their communities. The Director of Continuing Education and Public Services serves as the Director of the Institute. A fundamental purpose of Georgia Southern University is to serve those people who request or require continuing professional education in their pursuits in personal development. Additionally, institutions, agencies, and communities that can have their development enhanced by the University's technical assistance, special services, and continuing education programs, can call on the Public Service Institute. The Institute works with a variety of state agencies and area groups to further enhance those 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 non-credit program in English as a Second Language. It is designed for those students who have some background in English but do not meet regular English proficiency requirements for the University. Participants must be financially self supporting for this course of study that will occupy five hours of the student's day and will require study and preparation outside of class. For additional information about the Intensive English Program, contact the following:

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

### CONTINUING EDUCATION UNITS

The Continuing Education Unit (C.E.U.) is a national measure of participation in continuing professional education and training and development programs. Successful completion of designated non-credit courses is recognized by awarding continuing education units to participants. One C.E.U. represents 10 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  
 L.B. 8124  
 Statesboro, GA 30460-8124  
 (912) 681-5118  
 FAX Number: (912) 681-0306

### INSTITUTE OF ARTHROPODOLOGY AND PARASITOLOGY

The Institute of Arthropodology and Parasitology coordinates an area of interdepartmental research among the departments of Biology, Geology and

Geography, Psychology, and History. It includes faculty, post-doctoral students, graduate and undergraduate students, technicians and adjunct professors. In August 1990 the U.S. National Tick Collection along with its Curator, was moved from the Smithsonian Institution in Washington, D.C. and is now part of Georgia Southern. The Collection is housed in the IAP Building. This addition to the Institute has made it one of the foremost centers for tick research in the world. Independent research group seminars and lectures arranged and conducted by the group emphasize development, physiology, genetics, cytogenetics, reproductive biology, population biology and bionomics of selected arthropods, nematodes, trematodes, and cestodes of regional and 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. Kishwar M. Maur  
 Dr. Sturgis McKeever  
 Dr. Denson K. McLain  
 Dr. James H. Oliver, Jr.  
 Dr. Oscar Pung  
 Dr. George A. Rogers

Adjunct Members include the following:

Dr. Yasuo Chinzei  
 Dr. Hans Klompen  
 Dr. Jian W. Miao  
 Dr. Howard G. Sengbusch  
 Dr. Ewa Szlendak  
 Dr. Wanyu Zhang  
 Dr. Xiang X. Zhu



## GENERAL SERVICES 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 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. increase rural health awareness and create the capacity for rural communities to identify, articulate, and resolve rural health problems
2. promote rural health policies that recognize the needs of rural constituencies through collaboration, resource sharing, and the dissemination of information
3. create a library of research data and a clearinghouse on rural health resources for the region
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  
L.B. 8148,  
Georgia Southern University  
Statesboro, Georgia 30460  
Telephone 912-681-0260

## LIBRARY

The Zach S. Henderson Library is centrally located on campus in a four-story building constructed in 1975. The Library building has 158,000 square feet and will hold 800,000 books at total capacity.

The Library seats 865 people in the book stack areas. Thirty-eight faculty studies and 88 student lockers are available for the use of individuals engaged in research activities. Additionally, the Henderson Library contains three group study rooms and three seminar rooms.

As of July 1993, the Henderson Library's collections contain 451,292 volumes; 744,451 microform units; and 527,258 government documents. The Library also maintains subscriptions to 3,511 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 hundreds of 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 online through the Internet, and is also part of a union catalog for the University System of Georgia. Computer terminals which are used to search this state-wide union catalog may also be used to search other library catalogs and databases located throughout the world via the Internet. 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. 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 college assumes the responsibility of providing assistance in planning academic programs and guidance. All students who have not declared a major are advised in the Academic Advisement Center. The Center is staffed by faculty members who are knowledgeable about the core curriculum and who are especially interested in helping students explore possible major areas. The center is available to all students for information and assistance.

Once a student declares a major, he/she is advised by a member of that department. Both

the College of Business and the College of Education have established advisement centers. Individual departments assume advisement responsibility for Arts and Sciences, Technology and 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

Georgia Southern University has become one of the dominant athletic programs in the United States in recent times. Across-the-board success over the past eight years has resulted in the Eagles winning four national championships, 10 conference championships and participating in the NCAA Tournaments in football, men's and women's basketball, baseball and golf.

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

Adding to its reputation for athletic excellence, Georgia Southern joined the prestigious Southern Conference in 1992. Since then, GSU has claimed three conference titles and made two NCAA playoff appearances in its first two years of competition.

Widely respected as one of the top programs in the country over the past 12 years, Georgia Southern football, under head coach Tim Stowers, claimed the Southern Conference championship in its first year of competition in 1993, becoming only the 11th school in NCAA history to do so. During his first campaign in 1990, Stowers led Georgia Southern to its fourth I-AA national football title by defeating 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 back-to-back trophies for the second time. In 1986 the Eagles, coached by Erk Russell, defeated Arkansas State in the championship game to become the first team ever to win back-to-back national football titles. Georgia Southern defeated Furman in 1985 to capture its first national title. Since restarting the football program in 1982, Georgia Southern is 105-36-1 and has advanced to the NCAA Division I-AA playoffs seven times.

The men's basketball team made its Southern Conference debut in 1992-93, as well. Under the direction of head coach Frank Kerns, the Eagles finished 19-9 during the regular season and advanced to the semifinals of the conference

Tournament. In 1991-92, Georgia Southern claimed its third Trans America Athletic Conference title in its final year as a league member and returned to the NCAA Tournament for the first time since 1987. Under Kerns, the Eagles have appeared in either the NCAA or National Invitational Tournament five times since 1983, including consecutive post-season appearances from 1987-89.

Georgia Southern, under legendary head coach Jack Stallings, continued to show it has one of the finest baseball programs in the country by winning the 1993 Southern Conference regular-season crown in its first year of play. At 38-21, Georgia Southern recorded its 21st winning record in the last 22 years and finished third in the Southern Conference Tournament. Standouts Todd Greene and Paul Thornton were named All-Americans for the Eagles, and both went on to sign professional contracts following the season. In 1990, GSU earned an at-large bid to the NCAA Tournament. As the No. 5 seed at the Midwest Regional, the Eagles captured four of five games and advanced to the College World Series in Omaha. An 0-2 finish at its second-ever CWS appearance placed Southern 50-19 on the season. The win total was the highest in school history. Pitcher Joey Hamilton headed the 1990 staff and would later become the eight player taken overall in the Major League draft. Stallings is the fifth winningest coach in college baseball history with 1,061 wins.

In 1993, the women's basketball program, under head coach Drema Greer, compiled its fifth 20-plus win season in the past eight years and claimed the school's first Southern Conference title, edging Furman, 76-73, in the championship game of the league tournament. In addition, the Lady Eagles made their first-ever trip to the NCAA Tournament.

Georgia Southern has enjoyed a history of success 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 six seasons, going 50-11 and winning each of the past five Southern States Championship meets. And 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. Alexis Dankulic was named conference player-of-the-year for the Lady Eagles.

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

GSU competes for Southern Conference championships in men's and women's tennis, men's and women's cross-country and softball, while men's swimming and women's soccer compete as independents.

Overall Georgia Southern has had numerous athletes named all-conference, All-America and academic All-America. Six athletes have been named player-of-the-year in various sports and five coaches earned coach-of-the-year honors.

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

## POSTAL SERVICES

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

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

## STUDENT AFFAIRS

### PURPOSE

As an integral part of the University's education process, the Division of Student Affairs advances the University-adopted statement of purpose. To accomplish this goal, the staff strives constantly to

find and to develop better communication with faculty, students, and the general campus community.

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

## UNION PRODUCTIONS

Union Productions is the programming arm of the Russell Union and provides a variety of campus-wide social activities each quarter including movies, concerts, comedians, and other events.

Union Productions is responsible for such annual events as the Back To School Dance, Homecoming, Alcohol Awareness Week, the Union Birthday, Earth Week, and Spring Fling. Most of these events are free to students. Applications are taken each Winter Quarter for the student board members. Board members are responsible for planning and implementing all events and working with the various committees. Joining one of Union Productions' committees is an excellent way to get involved, meet new people, get behind the scenes, and have input on the types of entertainment sponsored by Union Productions.

For additional information, contact Union Productions in room 207 of the 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 partici-

pate 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.

### **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.

### **CAREER DEVELOPMENT**

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

### **MINORITY ADVISEMENT PROGRAM**

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

### **DISABLED STUDENT SERVICES**

Georgia Southern University is committed to assisting students with various learning, physical

and/or medical disabilities. Services currently available include counseling and serving as liaisons for students to faculty and staff. Counseling is provided at no charge through the Counseling Center and is available to all students with disabilities. Please contact the Disabilities Counselor in the University Counseling Center at 681-5541, Landrum Box 8011, TDD 681-5542.

In compliance with the Americans with Disabilities Act, Georgia Southern University will honor requests for reasonable accommodations made by individuals with disabilities. Students must self disclose their disability to the Disability Services Counselor in the Counseling Center before academic accommodations can be implemented. Georgia Southern offers modern technological devices for the visually and hearing impaired. For additional information, please call ADA Compliance Officer Sue Williams at 912/681-5259, TDD 912/681-0666.

### FINANCIAL AID

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

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

### HEALTH CENTER

The University has a student Health Center staffed by full-time health care professionals including physicians, nurse practitioners, nurses and X-ray and laboratory technicians as well as

clerical personnel, and a pharmacist. Consultations, examinations, and treatment are available during the time school is in session to those students who have paid a health fee. There is a small fee charged for services not covered by the health fee, such as X-rays, lab work and medications. The Health Center is open from 8 a.m. to 5 p.m. Monday-Friday when the University is in session.

The health fee covers only 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 attracts well over 100 employers from Georgia and throughout the Southeast, Career Services offers a wide variety of programs and resources to equip students for a successful job search. Professional staff are available to advise students and lead workshops on such topics as preparing a resume, effective interviewing techniques, and general job search strategies. Special career days attended by employers from business and industry, health/human services, education and government are planned throughout the year where students are encouraged to network with employer representatives. A comprehensive resource collection of books, periodicals, video tapes and employer literature is available for students to research not just career fields and jobs, but employing organizations as well.

### COOPERATIVE EDUCATION

Georgia Southern University offers students the opportunity to gain work experience related to their academic majors and earn money for college expenses. This is achieved through the Cooperative Education Program that is provided on an optional basis in most majors in the Colleges of 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 resume critiquing. 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.

### 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.

### STUDENT ORGANIZATIONS AND ACTIVITIES

Part of each student's education is the development of his/her talents outside the classroom through participation in one or more of a wide variety of organizations and activities on the Georgia Southern University campus. The Russell Union provides services to all recognized

student organizations and is responsible for registering and maintaining informational files on student organizations. The program area of the Russell Union provides leadership retreats, receptions, seminars, and workshops for student organizations. Organizations range from honor and recognition societies, special interest groups, professional and departmental organizations, social fraternities and sororities and religious organizations to the Student Government Association. Activities include those that are academic, literary, athletic and leadership in nature. Information about student organizations can be obtained by contacting the Russell Union at 681-0399.

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

### TESTING

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

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

**RUSSELL UNION**

The new 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 and aiming to make free time a cooperative factor with study in education. The union aids in the individual's development of basic qualities of successful leadership and participation. The development of persons as well as intellects is its goal.

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

**EDUCATIONAL OPPORTUNITY PROGRAMS**

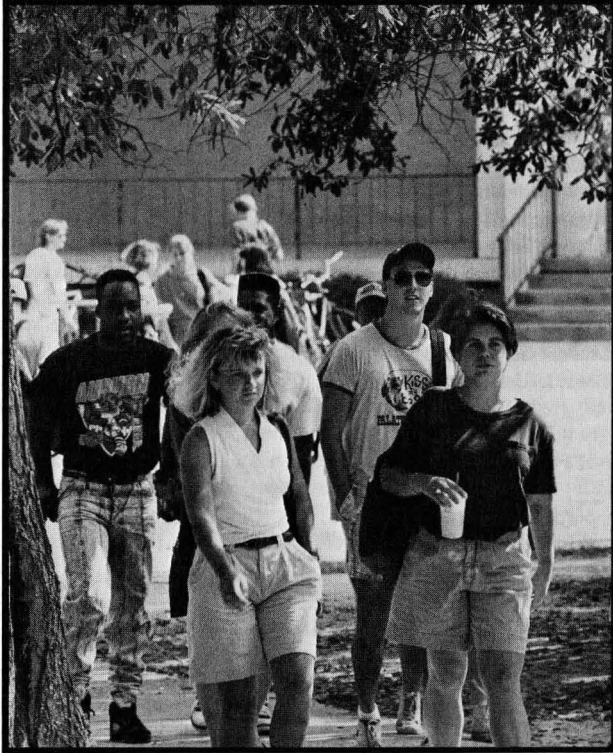
The Educational Opportunity Programs Office provides outreach services designed to promote post secondary education opportunities among area low income and potential first generation college students. The Office is comprised of the Upward Bound and Educational Talent Search Projects.

Upward Bound offers 80 high school students the support and assistance needed to generate skills necessary for success at the post secondary level. Services and activities include tutorial assistance, career, personal and academic counseling, cultural field trips, classes in basic skills, assistance with post secondary placement and a six-week residential program.

Educational Talent Search assists 900 middle school, high school, out-of-school students and veterans with help in completing high school, enrolling in and completing post secondary educational programs. Services include career and academic counseling, college admissions and financial aid assistance, workshops on self-esteem and study skills, and college tours. The service area includes Bulloch, Burke, Candler, Emanuel, Evans, Jenkins, and Screven Counties.

Both programs are funded by grants provided by the U.S. Department of Education and are administered by the Division of Student Affairs.





## ADMISSIONS AND HOUSING

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## HOUSING FACILITIES

Georgia Southern operates 14 housing units providing space for approximately 3,200 students. The 12 residence halls and two apartment units offer a variety of facilities, services, programs, and costs.

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

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

## POLICIES, PROCEDURES AND REGULATIONS

The Department of Housing has established regulations, policies and procedures to insure the orderly operation of the department and to promote effective group living. 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 1994-95 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 student's 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

## 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 78 resident assistants (upper-class students) live on the floors of the residence halls. Through effective management and programming, the Residence Life staff members create a community environment that is conducive to the academic success and personal growth of each resident and consistent with the goals and objectives of Georgia Southern University.

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

The Residence Life Office is located on the first floor of the Rosenwald Building. The area directors and resident directors have offices in the residence halls.

## ADMISSION

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

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

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

Applications for admission may be secured from the office of your high school or junior college counselors or by writing directly to the Office of Admissions, 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 the Health Service at (912) 681-5641.

### BEGINNING FRESHMEN

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

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

Trigonometry).

- 2 Foreign Language (must be the same language)
- 3 Science
- 4 Additional Academic Courses
- 16 Total 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 their native language must submit satisfactory test results from the TOEFL (Test of English as a Foreign Language) or the Michigan test which must be taken at a site within the United States or its protectorates.
5. Submission of an official high school transcript directly from the high school to the University.
6. A record of good conduct. Major or continued difficulty with the school or civil authorities may make an applicant ineligible regardless of academic qualifications.
7. Submission of a Medical History (Form provided with an acceptance for admission.) Applicants are usually initially admitted prior to high school graduation once they have completed their *junior year* of high school and have submitted official high school transcripts including a satisfactory grade-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 we become aware of the deficiencies.

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

### Science

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

### Social Science

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

### Foreign Language

Students graduating with fewer than two units of the same foreign language will be required to complete 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:

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

## PROVISIONALLY ACCEPTED

### FRESHMEN

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

tional 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;
- 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 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.
4. Submission of a Medical History. (Form provided with an acceptance for admission.)

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

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

The applicant possesses the right to appeal the decision of the Director of Admissions to the University Admissions Committee. Students 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 USAFI and correspondence courses as recommended by the American Council on Education.
  - c. Six quarter hours of credit for physical education activity courses based on a minimum of one year's active duty. The student should furnish a copy of the DD-214 to the Registrar's Office.

#### TRANSIENT ADMISSION

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

1. Present a statement from the dean or registrar of the parent institution to the effect that he is in good standing and eligible to return to that institution. Must also furnish an official transcript from the last institution attended.
2. Comply with all regulations regarding the admission of transfer students, if, in the opinion of the Director of Admissions, there is doubt about the qualifications of the transient applicant.



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

### **ADMISSION AS A POST-BACCALAUREATE STUDENT**

Applicants for admission with a bachelor's degree from an accredited institution but who are not seeking graduate-level credit are expected to meet general admission requirements established for enrollment in undergraduate programs.

In addition to the general application for admission form, applicants are required to submit an official transcript to the director of admissions, from the institution in which they 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 A GRADUATE STUDENT**

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

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

### **ADMISSION AS AN INTERNATIONAL STUDENT**

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

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

1. Present TOEFL (Test of English as a Foreign Language) scores which demonstrate proficiency in the English language. English language proficiency is necessary to enroll in a full acad-

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

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

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

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

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

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

### **SPECIAL ADMISSION FOR STUDENTS AGE 62 AND OLDER**

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

1. Must be a legal resident of Georgia.
2. Must be 62 years of age or older and present proof of age at the time of registration.
3. Must enroll as a regular student to audit or take

courses offered for resident credit.

4. Must pay for supplies, laboratory or shop fees.
5. Must meet all Georgia Southern University and University System of Georgia admission requirements including high school graduation, SAT or ACT scores, and participation in Learning Support if required.
6. If the applicant has previously attended another college or university, he must satisfy transfer admission requirements.
7. If a course of study is pursued to degree, all institutional, system, and state-legislated degree requirements must be met. (See REQUIREMENTS FOR GRADUATION.)

### SPECIAL ADMISSION FOR MATURE STUDENTS

Applicants applying for admission as a mature student summer quarter and subsequent quarters must meet following requirements:

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

### READMISSION POLICY

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

1. Submit a Former Student Application to the Office of the Registrar at least 20 days prior to the published date of registration. Former Student Applications may be obtained from the Office of the Registrar.
2. Have official transcripts from any other institution attended since attending Georgia Southern sent to Georgia Southern's Office of the Registrar.
3. Student's previous academic status at Georgia Southern must allow the student to be readmitted.
4. Student must be eligible to return to the most recently attended institution.

Students who do not meet the criteria stated in items 3 and 4 above, must appeal to the Admissions Committee to be considered for readmission. Readmission appeal forms may be obtained from the Office of the Registrar.

Former graduate students should contact the Graduate College Admissions Office for procedures concerning readmission.

### RESIDENCY

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

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

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

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

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

## STUDENT RESPONSIBILITIES

### A. Student Responsibility to Register Under

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

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

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

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

## REGENTS' POLICIES GOVERNING THE CLASSIFICATION OF STUDENTS FOR TUITION PURPOSES

1. (a) If a person is 18 years of age or older, he or she may register as an in-state student only upon a showing that he or she has domiciled in Georgia for a period of at least 12 months immediately preceding the date of registra-

tion. During this twelve month period, the student must show that he/she has been self supporting and has taken the necessary steps to become a legal resident that would normally be taken when moving into a new state.

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

2. If a person is under 18 years of age, he or she may register as an in-state student only upon a showing that his or her supporting parent or guardian has been a legal resident of Georgia for a period of at least twelve months immediately preceding that date of registration.
3. If a parent or legal guardian of a minor changes his or her legal residence to another state following his or her legal residence in Georgia, the minor may continue to take courses for a period of 12 consecutive months on the payment of in-state tuition. After the expiration of the 12-month period, the student may continue his or her registration only upon the payment of fees at the out-of-state rate.
4. In the event that a legal resident of Georgia is appointed as guardian of a nonresident minor, such minor will not be permitted to register as an in-state student until the expiration of one year from the date of court appointment, but only upon a proper showing that such appointment was not made to avoid payment of the out-of-state fees.
5. Aliens shall be classified as nonresident students; provided, however, that an alien who is living in this country under an immigration document permitting indefinite or permanent residence shall have the same privilege of qualifying for in-state tuition as a citizen of the United States.

## WAIVERS

An institution may waive out-of-state tuition for:

- (a) Nonresident students who are financially dependent upon a parent, parents or spouse who has been a legal resident of Georgia for at least 12 consecutive months immediately preceding the date of registration; provided, how-

ever, that such financial dependence shall have existed for at least 12 consecutive months immediately preceding the date of registration;

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

#### PROCEDURES FOR OBTAINING GEORGIA IN-STATE CLASSIFICATION

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

believe that they are eligible for in-state benefits must apply for this status.

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

#### APPEALS PROCEDURE

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

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

#### CREDIT BY EXAMINATION

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

Georgia Southern also offers the student an opportunity to obtain credit by local proficiency examination. The procedure for securing proficiency examination credit is as follows:

1. Student clears with registrar to determine eligibility.
2. Student petitions department head of the subject area concerned for an examination covering a particular course listed in the catalog.
3. If petition is approved, the student must pay a test fee of 15 dollars per test to the Cashier's

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

Office who issues a receipt which is the examination admission ticket.

4. Credit will not be awarded for prerequisite courses after higher level courses have been attempted nor will credit be awarded for courses for which credit has already been earned.
5. Credit obtained by proficiency examination will be considered resident credit.
6. The proficiency exam score must be at least a "C" to award credit by exam. The registrar will enter a grade of "K" on student's permanent record showing credit was earned by proficiency examination.

### **AUDITING COURSES**

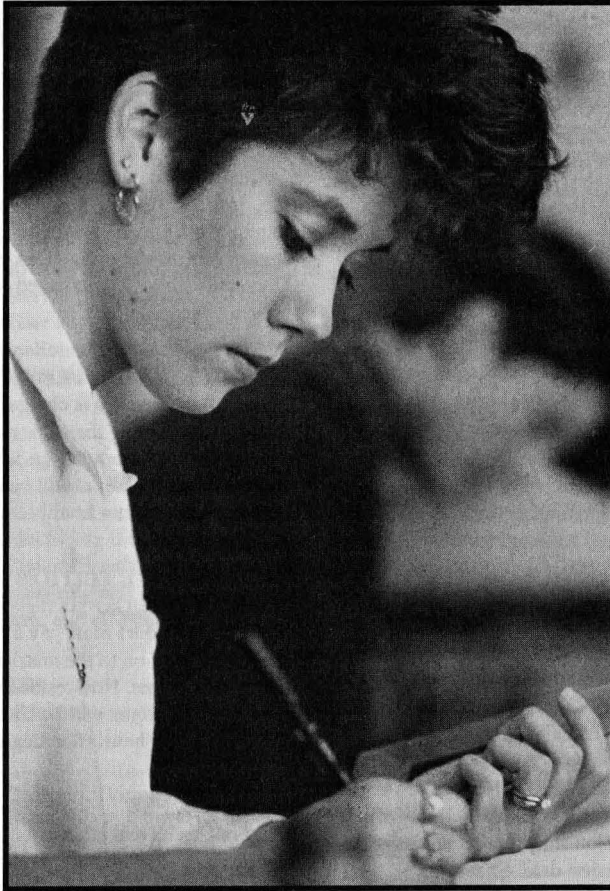
Applicants wishing to exclusively audit a course may be exempt from the necessity of taking the SAT. All other admission requirements must be met and regular fees paid. Audit acceptances will be awarded on an individual basis and at the discretion of the Director of Admissions. Georgia Southern also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

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

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

### **IRREGULAR STUDENTS**

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



## FEES AND FINANCIAL AID

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**FEES\*****BUSINESS REGULATIONS**

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

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

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

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

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

**RETURNED CHECK PROCEDURE**

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

Fee checks returned unpaid after the last cancellation of the quarter must be cleared within ten days of written notice or the student will be administratively withdrawn and charged for the time enrolled according to the University catalog. 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

**HOUSING DEPOSIT**

All applications for on-campus housing must be accompanied by a 50-dollar reservation breakage/key deposit. This deposit will be refunded after the student completes the assigned period of residency and has properly checked out of the residence hall, returned the keys, and left the room in acceptable condition.

Cancellation deadlines are shown on Housing Application. Housing deposit refunds normally require from 8 to 10 weeks for processing. If the student has unpaid obligations owed to the University, these are deducted from the student's housing deposit refund.

**MATRICULATION FEE ON CAMPUS**

The matriculation fee is charged to all students. Students registering for 12 or more hours will be charged \$474.00 per quarter. Students registering for fewer than 12 hours will be charged at the rate of \$40.00 per quarter hour.

**OUT-OF-STATE TUITION**

Non-residents of Georgia registering for 12 or more quarter hours must pay a fee of \$948 per quarter in addition to the matriculation fee and all other regular fees. Non-residents registering for fewer than 12 hours will be charged at the rate of \$80 per quarter hour. (See Legal Residence.)

**COLLEGE FEE**

Cultural, social and athletic activities as well as good health care are important parts of the University's program and a student's educational environment. In order to provide these activities and services, a quarterly fee of \$152 is charged. All students pay this fee unless they are registered for fewer than six credit hours or enroll in all of their courses at off campus centers. Courses in Statesboro and Savannah are considered to be on-campus.

**MEAL PLANS**

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

**Contract Meal Plans**

- (1) 3 meals a day, 7 days a week .....\$580
- (2) 2 meals a day, 7 days a week .....\$500
- (3) 2 meals a day, 5 days a week .....\$405

**Declining Balance Plan**

(4) 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, the Bookstore, Books Plus, or the Lakeside Cafe.

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

**EAGLEXPRESS**

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

**HOUSING RATES\***

**Residence Halls:** (Double occupancy; M-Male; F-Female)

- Lewis (M) .....\$330
- Brannen (M), Cone (F), Dorman (M), Hendricks (F), Johnson (F), Olliff (F), Oxford (M), Winburn (F), Veazey (M) .....\$490

**Apartments:**

**In-the-Pines**

- Efficiency (1 occupant) .....\$705
- Sm. 1-BR (2 occupants) .....\$582
- Lg. 1-BR (3 occupants) .....\$654
- Lg. 1-BR (2 occupants) .....\$654
- Townhouse (4 occupants) .....\$556

**Sanford:**

- 2- BD (4 occupants) .....\$505
- 3- BD (4 occupants) .....\$705

NOTE: Rates quoted are for 1993-94.

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

**LATE REGISTRATION FEE**

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

**PARKING PERMITS**

All vehicles parking on campus are required to have a parking permit which is available from the Parking and Transportation Office located on Sweetheart Circle. The permit cost is \$45 per year. If you are registering a vehicle for the first time, a copy of your vehicle registration is required. Residents of some apartment complexes in close proximity to the University do not qualify for parking permits.

Visitors parking on campus are required to display a permit which may be obtained from the "Welcome Center" on Sweetheart Circle.

**GRADUATION FEE**

A graduation fee of \$40 for graduate and undergraduate students must be paid at the beginning of the quarter in which the student completes requirements. Any outstanding financial obligations to the University must be paid before a student may graduate.

**PRIVATE MUSIC INSTRUCTION FEE**

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

**TESTING FEES\***

1. College Level Examination Program (CLEP) .....\$38.00
2. Institutional Scholastic Aptitude (ISAT) .....\$20.00
3. Proficiency Examination .....\$15.00
4. Graduate Record Exam (GRE) .....\$44.00
5. National Scholastic Aptitude (SAT) .....\$17.00
6. Miller's Analogy Test (MAT) .....\$43.00

There is no testing fee for the following if taken on the standard test date:

- Georgia & U.S. History and Constitution Tests
- Foreign Language Placement Test
- Regents' Testing Program
- College Placement Exam (CPE)

\* *Fees subject to change.*



**BOOKS AND SUPPLIES**

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

**REFUNDS**

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

- During the first week.....80% refund
- During the second week.....60% refund
- During the third week .....40% refund
- During the fourth week .....20% refund
- Thereafter .....No refund

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

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

A student who discontinues study on any private instruction in music during the second week of a quarter will not be entitled to a refund of music fees. Refunds will be made only at the end of the quarter. No refunds for reduction in hours after the schedule adjustment period are allowed unless such reduction results from action of the University. Outstanding financial obligations to Georgia Southern 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	<u>60%</u>
Refund	\$361.50

**Step II**

*Refund Formula:*

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

*Example:*

$$\$361.50 \times \frac{\$602.50}{\$602.50} = \$361.50$$

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

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 Accounts Receivable office 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.

## FINANCIAL AID

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

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

1. **Assistantships**—The Graduate School has available numerous positions within the various departments on campus. Students usually work 15 hours a week, and are compensated with monthly stipends and tuition supplements.
2. **Employment**—Three employment programs are available to students.
  - The Federal Work-Study Program (FWS)

provides jobs to students who qualify for financial aid. Students normally work two hours per day for various wages.

- **The Job Location and Development Program (JLD)** provides information about part-time job opportunities available in the Statesboro area. All currently enrolled students may participate in the program as there are no financial eligibility requirements.
  - **The Institutional Work Program** helps students locate part-time employment with the various departments on campus. There are no eligibility requirements.
3. **Fellowships**—Similar in many ways to scholarships and grants, these programs are most often established to assist graduate students and sometimes involve a work obligation.
  4. **Grants**—Numerous federal, state and privately funded grant programs are available to students enrolled at Georgia Southern University.
  5. **Loans**—Several loan programs are available from state and federal agencies, civic clubs and private and public foundations. Each incorporates its own eligibility and repayment requirements.
  6. **Scholarships**—A variety of state and federal scholarship programs as well as a vast array of scholarship programs established and funded through the Georgia Southern University Foundation are available. Two forms of scholarships are available: Academic and Athletic. Contact the Athletic Administration Division at (912) 681-5376 for information on the athletic scholarship programs.

## APPLICATION PROCEDURES

To apply for any Federal TITLE IV aid:

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

### 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.
11. 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 PLUS Loan (FPLUS)

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

The borrower must be the natural parent,

adoptive parent, or legal guardian of the dependent student.

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

#### Eligibility Requirements for FPLUS Loans

You are eligible to borrow as a parent if you

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

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

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

#### Maximum Loan Amounts

For FPLUS loans the annual loan limit is the cost of attendance minus other aid.

FPLUS loan disbursements will be made on a quarterly basis for respective enrollment periods. FPLUS Loans will have an origination fee of 5% deducted from the net proceeds.

#### Application Procedures

- Student and parents must complete Free Application for Federal Student Aid.
- Must complete a Georgia Southern Financial Aid Application Form.
- Locate a lending institution that participates in the program and is willing to make the loan. It is recommended that you first contact lenders

with whom your family does business. These loans are made at the discretion of eligible lending institutions and are guaranteed by public or private agencies. If you are unable to locate a lender who is willing to make the loan to you, contact your school or Georgia Higher Education Assistance Corporation for assistance.

- The lending institution approving your loan will send the application to the appropriate agency for loan guarantee.
- The application deadlines are set by each lending institution. Generally, you should begin the application process two to six months before your expected enrollment date.

### Federal Stafford Loan

The Federal Stafford Loan Program consists of two types of Stafford Loans:

**Subsidized Stafford** is a need-based loan for which the Federal Government pays the interest on the principal while the student is in school on at least a half-time basis. It is available to undergraduate and graduate students.

**Unsubsidized Stafford** is a "no-need"-based loan program. This loan is available to any student who meets the general eligibility criteria to participate in the Federal Title IV programs. The payment of principal may be deferred while the student is enrolled in school on at least a half-time basis, and the student may also request that the interest that accrues on the outstanding loan balance during the in-school and deferment periods be added to the loan principal.

#### Eligibility:

- You must be a United States citizen or national, or otherwise meet the requirements prescribed in the Application and Promissory Note for a Federal Stafford Loan.
- Must have completed the appropriate Georgia Southern Financial Aid Form.
- Students must be enrolled at least half-time in or accepted for enrollment in a program leading to a degree or certificate. Students already enrolled in school must be determined by the school to be in good standing and making satisfactory progress.
- Students must not be in default on any Title IV loan, nor owe a refund on any federal Title IV grant that was previously received, unless satisfactory arrangements have been made to repay that debt.
- Students must meet all Federal Stafford Loan

program eligibility requirements prescribed by law at the time your loan application is processed.

- Students who are in their 1st year of undergraduate program and never had a prior Federal Stafford Loan cannot receive their 1st installment until 30 days after the 1st day of the program of study.

### Academic Year Borrowing Limits *Dependent Undergraduates*

(The amounts listed below are maximums and apply to either Subsidized and/or Unsubsidized Stafford Loans and in combination with other financial aid can not exceed the student's cost of education as determined by Georgia Southern Department of Financial Aid.)

- \$ 2,625 First year student enrolled for a full academic year.
- \$ 3,500 If completed the first academic year and is classified as a sophomore by Georgia Southern University and enrolled for a full academic year.
- \$ 5,500 If student has completed two years of study and is classified by Georgia Southern University as a junior or senior and is enrolled for a full academic year.

### *Independent Undergraduates*

- \$ 6,625 First year student enrolled for a full academic year (\$2,625 Subsidized/Unsubsidized plus an additional \$4,000 Unsubsidized eligibility)
- \$ 7,500 If completed the first academic year and is classified by Georgia Southern University as a sophomore (\$3,500 Subsidized/Unsubsidized plus an additional \$4,000 Unsubsidized-eligibility)
- \$10,500 If completed two years of study and is classified by Georgia Southern University as either a junior or senior. (\$4,500 Subsidized/Unsubsidized plus an additional \$5,000 Unsubsidized-eligibility)

### *Graduate Student*

- \$18,500 If student is accepted by Georgia Southern University into a "degree seeking" graduate program. (\$8,500 Subsidized/Unsubsidized plus an additional \$10,000 Unsubsidized eligibility)

The increase in the additional amount of unsubsidized eligibility is an effort to offset the elimina-

tion of the SLS Loan Program for Independent Students.

**Total Federal Stafford Loan Debt that a student may have:**

Dependent Undergraduate—\$23,000  
 Independent Undergraduates—\$46,000  
 Graduate/Professional Study—\$138,500  
 (\$65,000 is subsidized Federal Stafford Loan and \$73,000 in unsubsidized Staffords). Graduate debt limits include any Federal Stafford loans received as an undergraduate.

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

**Repayment Obligation**

Repayment is required to begin no later than six months following graduation or termination of at least half-time study. Students must make arrangements with their lender to begin installment payments, including interest at the simple interest rate shown on the loan guarantee and disclosure statement. Interest rate for the first time borrowers will be a variable but not higher than 8.25 percent. If your first loan was disbursed before July 1, 1994, check with the lender/organization that holds your loan for the interest rate pertaining to your loan.

**Application Procedure**

- Complete the Free Application for Federal Student Aid (FAFSA) and designate the school that is to receive a copy of the results.
- Complete the Georgia Southern Financial Aid Application Form.
- Students interested should complete the application process during the month of January for the preceding academic year.

**State Direct Student Loan/State Sponsored**

The State Direct Student Loan program provides service-cancelable loan assistance to Georgia stu-

dents 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:

**Approved Fields of Study**

**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. Loan amounts per academic year are as follows:  
Average cancelable undergraduate/graduate loan \$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, 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.

## GENERAL SCHOLARSHIPS

The Scholarship Committee of Georgia Southern University selects the recipients for the majority of the institution's scholarship programs. The awards granted by this committee are collectively known as Georgia Southern's General Scholarships. Recipients are selected from those students submitting the General Scholarship Application. By submitting this single application, the student will be considered in the selection process for each individual award granted by the committee. In the following listing, the general scholarships are identified with an asterisk (\*). The General Scholarship Application is made available to students on January 1 of each year. To be included in the selection process, the completed application and accompanying letters of recommendation must be received by March 1. The application and the letters of recommendation should be directed to:

Scholarship Coordinator  
L.B. 8065  
Georgia Southern University  
Statesboro, Georgia 30460-8065

### Important Dates

- January 1, 1994—General Scholarship Application made available.
- March 1, 1994—General Scholarship Application Deadline
- May 1, 1994—Announcement of general scholarship awards.

## DEPARTMENTAL SCHOLARSHIPS

Those Scholarship programs not administered by the scholarship committee are managed by individual departments within the University. These scholarship programs have different application procedures and deadlines. Submission of the General Scholarship Application mentioned above *will not* qualify a student as an applicant

for the various departmental scholarships. Students interested in applying for a departmental scholarship should consult the following descriptions in order to determine the various application procedures, deadlines, and stipend amounts for these awards. The contact address and/or phone number for the program coordinator follows each scholarship description. The programs are arranged alphabetically under the appropriate area of study. Application requests should be made directly to the individual program directors.

## ALL MAJORS

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

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

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

Program Director, Dr. Hew Joiner, L.B. 8054, (912) 681-5773 or (912) 681-0240.

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

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

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

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

8065, (912) 681-0426.

**Ty Cobb Educational Foundation Scholarship**—Established by the late Tyrus R. Cobb for the purpose of assisting capable, deserving and needy students in Georgia. To be eligible a student must (1) be an undergraduate, unmarried resident of Georgia, (2) have completed at least one year of work at an accredited college with a 3.0 average or better and (3) furnish the Foundation with letters of recommendation, a photograph, parents' financial statement, and a college transcript with the application. Contact: Ty Cobb Educational Foundation, P.O. Box 725, Forest Park, GA, 30051.

**\*+Rob Daniel Memorial Scholarship**—Established in 1989 by family and friends in memory of Mr. Rob Daniel, a Georgia Southern freshman who graduated from Statesboro High School. Criteria for selection include academic standing, athletic ability, personal character, and extracurricular activities. Contact: Scholarship Coordinator, Office of Financial Aid, Landrum Box 8065, (912) 681-0426.

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

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

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

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

**+Minority Graduate Scholarship**—Established through donations from individuals and local civic clubs, this scholarship serves to recognize and assist minority graduate students attending Georgia Southern University. Criteria for selection include full-time enrollment, academic standing, personal character, relevant extracurricular activities and career objective. Minority students who are recent recipients of baccalaureate degrees from Georgia institutions will receive priority consideration. Application is open to students majoring in any field at any graduate class level. Recipients selected by the College of Graduate Studies. Contact: Office of the Vice President for Graduate Studies and Research, L.B. 8008, (912) 681-0578.

**+Sally Janese Hendrix Memorial Scholarship**—Established by Crawford and Jane Hendrix in memory of their daughter Janese, a Georgia Southern freshman who graduated from Southeast Bulloch High School. Criteria for selection include academic standing, personal character and extracurricular activities.

Application is open to Southeast Bulloch High School seniors planning to enter Georgia Southern University. Contact: Mr. Gene Eden, Southeast Bulloch High School, (912)842- 2131. Application deadline is May 1.

**+Clara Lois Hodges Memorial Scholarship**—Established by the sister and brothers of Clara Lois Hodges to recognize and assist outstanding students from Claxton High School who plan to attend Georgia Southern University. Criteria for selection include full-time enrollment, academic standing, personal character, relevant extracurricular activities and motivating interests. The scholarship is awarded by the Claxton High School Scholarship Committee. Contact: Mrs. Betty Clark, Chair, Scholarship Committee at Claxton High School (912)739-3993.

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

**\*+Helen Thackston Lewis Scholarship**—Established by family members and friends as a memorial tribute to Helen Thackston Lewis. Criteria for selection include full-time enrollment, academic standing, personal character, relevant extracurricular activities and motivating interests. Application is open to students majoring in any field, at any undergraduate or graduate class level. Recipients selected by Georgia Southern University Scholarship Committee. Contact: Scholarship Coordinator, Department of Financial Aid, Landrum Box 8065, (912) 681-0426.

**+President's Scholars**—This program was designed to recognize and assist academically talented freshmen entering Georgia Southern University. Criteria for selection of regularly

admitted incoming freshmen include: a 3.20 or higher academic grade point average and a combined SAT score of 1100 or higher (ACT Composite Test score of 26 or higher). Criteria for selection of regularly admitted transfer students include a 3.50 or higher cumulative grade point average and at least 60 earned hours of course credit from previous institution(s). Those receiving scholarships are expected to enter Georgia Southern during the fall quarter and must maintain satisfactory academic progress towards completion of a degree program (students must be enrolled full-time and maintain a 3.0 or better cumulative grade point average during the three quarter award period). Recipients selected by Georgia Southern University Scholarship Committee. Contact: Scholarship Coordinator, Department of Financial Aid, Landrum Box 8065, (912) 681-0426.

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

**+Resident Assistant Scholarship**—Established by the Office of Residence Life to provide assistance and recognition to worthy RAs. The scholarship is funded through donations from Residence Life staff members and alumni. Scholarship recipients are selected during spring quarter. Applicants must be employed as Resident Assistants at Georgia Southern and must have a cumulative GPA of a least 2.25.

Recipients selected by the Residence Life Scholarship Committee. Contact: Ms. Vickie Hawkins, Residence Life Office, L.B. 8105, (912) 681-0429.

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

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

**+Southern Scholars**—This program was designed to recognize and assist academically talented freshmen entering Georgia Southern University. Criteria for selection of regularly admitted freshmen include a 3.50 or higher academic grade point average and a combined SAT score of 1200 or higher (ACT Composite Test score of 28 or higher). Selected students must enter the program during the first quarter of the freshman year. Those receiving scholarships are expected to maintain satisfactory academic progress towards completion of a degree program (students must be enrolled full-time and must maintain a 3.20 or better cumulative grade point average during the twelve quarter award period). Recipients selected by Georgia Southern University Scholarship Committee. Contact: Scholarship Coordinator, Department of Financial Aid, L.B. 8065, (912)681-0426.

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

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

**Wine and Spirits Wholesalers of Georgia Memorial Scholarship**—Established in 1964 by Georgia's spirits and wine distributors for University System of Georgia students who demonstrate superior academic achievement. Criteria for selection include full-time enrollment, academic standing, personal character, relevant extracurricular activities and motivating interests. Application is open to students majoring in any field, at any undergraduate class level. Nominees selected by the Georgia Southern University scholarship staff are submitted to the Director of Financial Aid at the University of Georgia for consideration. Contact: Scholarship Coordinator, Department of Financial Aid, L.B. 8065, (912) 681-0426.

#### Accounting

**+Paul LaGrone Scholarship**—Established to honor Dr. Paul G. LaGrone, professor emeritus of accounting and dean emeritus of the School of Business. Criteria for selection include junior-level status, a minimum cumulative grade point average of 3.0 and a minimum grade point average of 3.0 in Intermediate Accounting I. Financial need may be considered. Recipients may be required to take courses in writing and speech as a condition to receiving the scholarship. Application is open to junior level accounting majors. Recipients selected by the

Accounting Department Scholarship Committee. Contact: Dr. Karen Fortin, Accounting Department, L.B. 8141, (912) 681-5678.

#### Agribusiness

**+Agribusiness Scholarship**—Established in 1985 to recognize and assist students majoring in agribusiness or related areas. Criteria for selection include full-time enrollment, academic standing, personal character, relevant extracurricular activities and motivating interests. Application is open to undergraduate students whose major emphasis is agribusiness. Contact: Dr. Paul Dixon, L.B. 8131, (912) 681-5301.

#### +Jones Lane Memorial Scholarship

—Established to honor the memory and 20-year career of Georgia State Representative William Jones Lane Sr., a devoted servant of Bulloch County and steadfast supporter of Georgia Southern University. Criteria for selection include full-time enrollment, academic standing, personal character, relevant extracurricular activities and motivating interests. Application is open to undergraduate students whose major emphasis is agribusiness. Contact: Dr. Paul Dixon, L.B. 8131, (912) 681-5301.

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

#### Anthropology

**+Martha Rebecca Persico Memorial Scholarship**—Established to honor the memory of Martha Rebecca Persico, this scholarship represents an expression of commitment to growth, service and quality of the University's anthropology program through recognition and assistance of anthropology majors. Anthropology majors at any undergraduate class level with a minimum cumulative GPA of 3.0 at time of application are eligible to apply. Recipients must be enrolled full-time and maintain a 3.0 GPA during the academic periods covered by the scholarship. Contact: Dr. Roger Branch, L.B. 8051, (912) 681-5443.

### Army ROTC

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

### +Bothwell A. Johnson ROTC Scholarship—

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

### Art

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

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

### Biology

**+Irene Burt Boole Botany Scholarship**—Established in 1989 by Dr. John A. Boole, emeritus professor of biology, in honor of his wife,

Mrs. Irene Burt Boole. The scholarship was established to recognize and assist students whose emphasis area lies within the plant sciences. Recipients selected by the Biology Department Scholarship Committee. Contact: Dr. John Parrish, Department of Biology, L.B. 8042, (912) 681-5487.

### Building Construction and Contracting

**+Associated Builders and Contractors of Georgia Scholarship**—Established in 1989 to recognize and assist outstanding students in the building construction program. Recipients selected by the Building Construction Scholarship Committee. Contact: Mr. Lynn Fine, Department of Industrial Technology, L.B. 8046, (912) 681-5761.

### +Statesboro Homebuilders Association

**Scholarship**—Established by the Statesboro Homebuilders Association to recognize and assist outstanding students who have a genuine vocational or professional interest in the home building industry. Students majoring in Building Construction and Contracting, Home Furnishing and Interior Design or Industrial Arts are eligible to apply. Criteria for selection include academic standing and financial need. Contact: Mr. Lynn Fine, Department of Industrial Technology, L.B. 8046, (912) 681-5761.

### Business Scholarships

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

### \*+Lawrence Patrick Rourke Memorial

**Scholarship**—This scholarship was established in 1986 by Mr. and Mrs. John Rourke to honor the memory of their son, Lawrence Patrick Rourke. The purpose of the fund is to recognize and assist students majoring in any field of business. Criteria for selection include full-time

enrollment, academic standing, personal character, relevant extracurricular activities and motivating interests. Application is open to students at any undergraduate class level. Recipients selected by Georgia Southern University Scholarship Committee. Contact: Scholarship Coordinator, Department of Financial Aid, L.B. 8065, (912) 681-0426.

### Communication Arts

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

**+Porter-Wiss Scholarship**—Established to recognize and assist theatre participants from the University's drama troupe, Theatre South. One scholarship is awarded annually. Application is open to all Theatre South participants. Contact: Communication Arts Department, L.B. 8091, (912) 681-5138.

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

### Education

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

Authority administers the program in Georgia.

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

This program is not based on financial need. After completing their education, recipients are expected to teach for a specific number of years or repay the total amount received plus interest. For more information, contact the Georgia Student Finance Authority, 2082 East Exchange Place, Suite 200, Tucker, Georgia 30084, (404) 414-3084; or Ms. Lora Cooper, the School of Education, L.B. 8013, (912) 681-5468; or the Scholarship Coordinator, Department of Financial Aid, L.B. 8065, (912) 681-0426.

**\*+Kate Scott Fetzer Scholarship**—Established to honor Kate Scott Fetzer (1905-1979), a 1928 Georgia Southern alumna, who taught in the public schools of Georgia for nearly half a century. The purpose of the scholarship is to assist in-service public school teachers in pursuing graduate training during summer quarters. Criteria for selection include applicants dedication to teaching, recommendations, and number of years in the teaching profession. Preference given to applicants teaching in the public school systems of Screven or Effingham counties. Application is open to those in-service teachers who meet the following criteria: applicants must be Georgia residents, must be regularly admitted graduate students, must be pursuing a graduate degree in education and must hold current state teacher certification at the time of application. Recipients selected by Georgia Southern University Scholarship Committee. Contact: Scholarship Coordinator, Department of Financial Aid, L.B. 8065, (912) 681-0426.

**\*+Zach S. Henderson Scholarship**—Established to honor the career and contributions of Zach Saddath Henderson (1902-1985). A leader in statewide education, civic and church affairs, Dr. Henderson served 41 years as Dean and President of Georgia Teachers College (Georgia Southern University). The purpose of the scholarship is to recruit, recognize, and assist outstanding students majoring in education. Criteria for selection include full-time enroll-



ment, academic standing, personal character, relevant extracurricular activities and motivating interests. Those receiving the award are encouraged to teach in Georgia after graduation.

Application is open to junior level education students. Recipients selected by the Georgia Southern University Scholarship Committee. Contact: Scholarship Coordinator, Department of Financial Aid, L.B. 8065, (912) 681-0426.

**\*+Earl Kingdom and Nora S. Million Scholarship**—Established in 1981 by Stephen Million, and Marion E. and Erma M. Million to serve as a memorial to Earl K. and Nora S. Million, whose lives and careers exemplified the highest standards of academic achievement and service to humanity. Criteria for selection include full-time enrollment, academic standing (3.0 GPA), personal character, relevant extracurricular activities, motivating interests, and financial need. Application is open to undergraduate level education students. Recipients selected by the Georgia Southern University Scholarship Committee. Contact: Scholarship Coordinator, Financial Aid Department, L.B. 8065, (912) 681-0426.

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

**\*+Ann Waters Ramsey Scholarship**—Established in 1982 by Mr. Talmadge Holmes Ramsey, Sr. to honor the memory of his mother who, in 1908, was the first female student to attend the First District Agricultural and Mechanical School (now Georgia Southern University). The purpose of the scholarship is to recognize and assist outstanding students who have been accepted by the College of Education. Criteria for selection include full-time enrollment, academic standing, personal character, relevant extracurricular activities and motivating interests. Application is open to students in any major at any undergraduate or graduate level within the College of Education. Recipients selected by the Georgia Southern University

Scholarship Committee. Contact: Scholarship Coordinator, Financial Aid Department, L.B. 8065, (912) 681-0426.

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

#### English

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

#### Finance and Economics

**+Al Burke Banking Award**—Established 1983 through the generous support of local banker and community leader M. Albert Burke. Presented to an outstanding student majoring in Finance with an emphasis in Banking. Criteria for selection include full-time enrollment, academic standing, personal character, relevant extracurricular activities and motivating interests. Recipients selected by the College of Business Administration

Scholarship Committee. Contact: Dean's Office, College of Business Administration, L.B. 8002, (912) 681-5106.

**First Bulloch Bank Scholarship**—Established in 1991 by the Board of Directors of the First Bulloch Bank to promote growth and excellence in the banking and finance programs. The scholarship is available to entering pre-business freshmen with an interest in majoring in finance. Criteria for selection include high school GPA, SAT scores, personal character, and motivating interests. Recipients are selected by the Department of Finance and Economics. Contact: Scholarship Committee, Dean's Office, College of Business Administration, L.B. 8002, (912) 681-5106.

**+Georgia 1752 Club Insurance Award**—Established to recognize and assist outstanding students who have taken at least two insurance or insurance-related courses at Georgia Southern University. Criteria for selection include full-time enrollment, academic standing, personal character, relevant extracurricular activities and motivating interests. Recipients selected by the Department of Finance and Economics. Awards may be made at any time during the academic year. Contact: Dr. Frank Hodges, Department of Finance and Economics, L.B. 8151, (912) 681-5161 or 681-5576.

**+W.W. "Buzz" Hankinson Award**—Established in 1989 by The New England Financial Group of Atlanta to honor the career and services of W.W. "Buzz" Hankinson, financial planning consultant and 1986 Georgia Southern School of Business "Alumnus of the Year." Criteria for selection include academic standing, personal character, relevant extracurricular activities and motivating interests. Recipients selected by the Department of Finance and Economics. Awards may be made at any time during the academic year. Contact: Dr. Frank Hodges, Department of Finance and Economics, L.B. 8151, (912) 681-5161, or 681-5576.

## Geology

**+H. Stanley Hanson Scholarship**—This scholarship was established by the Department of Geology and Geography at Georgia Southern University. It honors the career and services of former Department Head Dr. H. Stanley Hanson. The purpose is to provide a means by which out-

standing geology majors can be recruited, recognized and assisted. Criteria for selection include enrollment full-time as a geology major, completion of at least 75 hours of academic courses (at least 45 hours to have been taken at Georgia Southern University), a minimum unadjusted GPA of 2.75, a minimum Geology GPA of 3.0 and a minimum accumulation of 15 quarter hours of courses in geology. Applicants must provide a completed Application for Academic Scholarship with a cover letter including a statement of interests and a self-evaluation, as well as two letters of recommendation. Involvement in student activities will be considered though this is optional. Recipients of awards will be selected by the Department of Geology and Geography Scholarship Committee. Awards will be made in quarterly increments through the three quarters of a normal academic year. Contact: Dr. Dan Good, Department of Geology and Geography, L.B. 8149, (912) 681-5361.

## History

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

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

**+Dr. George A. Rogers, Jr. History**

**Scholarship**—Established in 1983 to honor Dr. George A. Rogers, professor emeritus of history at Georgia Southern, who is well known as an outstanding teacher and researcher. Dr. Rogers served on the faculty of Georgia Southern for over 32 years. Criteria for selection include full-time enrollment, academic standing, personal character, relevant extracurricular activities and motivating interests. Application open to students majoring in history at any undergraduate or graduate class level. Recipients selected by the Department of History Scholarship Committee. Awards are made every other year. Contact: Dr. Walter J. Frazer, Department of History, L.B. 8054, (912) 681-5586.

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

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

**Home Economics**

**+Home Economics Scholarship**—Established in 1986 to recognize and assist outstanding students majoring in home economics. Criteria for selection include full-time enrollment, academic standing, professional involvement and financial

need. Application open to students majoring in home economics at any undergraduate or graduate class level. Recipients selected by the faculty of the Department of Home Economics. Contact: Department of Home Economics, L.B. 8034, (912) 681-5345.

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

**Hotel and Restaurant Management**

**+Jameson Inns of Georgia Scholarship**—Established in 1990 through a generous contribution from the Jameson Company and the Jameson Inns of Georgia. This scholarship program was established to recognize and assist students pursuing an education in Hotel and Restaurant Management. Contact: Scholarship Coordinator, Department of Financial Aid, L.B. 8065, (912) 681-0426.

**Marketing**

**Lewis F. Gordon Scholarship**—Established by the Sales and Marketing Executives Club of Atlanta. The purpose of the scholarship is to recognize and assist students interested in pursuing a career in marketing, sales, or sales management. Criteria for selection include academic standing (3.0 GPA or better), financial need and relevant extracurricular activities. Application open to students majoring in business at any undergraduate or graduate class level. Contact: Department of Marketing, L.B. 8154, (912) 681-5655.

**Music****Performance Scholarships**

**Chorus Service Award**—A limited number of awards are available to those chorus members who are exceptional singers and demonstrate leadership skills. These renewable awards are

awarded through auditions for the chorus director. Awards are made at various times during the year. In addition to participating in the Chorus, recipients are expected to direct sectional rehearsals and assist the chorus director. Contact: Dr. Anita Davis, L.B. 8052, (912) 681-5396.

**Jazz Ensemble Service Award**—A number of awards are available to those students participating in the Georgia Southern Jazz Ensemble. Recipients are expected to participate in the Jazz Ensemble's fall, winter, and spring quarter performances. These renewable awards are awarded through auditions for the Jazz Ensemble Director. Contact: Mr. William Schmid, L.B. 8052, (912)681-5396.

**Marching Band Service Award**—A number of awards are available to those students of any major participating in the Georgia Southern Marching Band. Recipients are expected to participate in the Marching Band's fall quarter performances. These renewable awards are awarded through auditions by the director of bands. Contact: Dr. Daniel Pittman, L.B. 8052, (912) 681-0195.

**Symphonic Band Service Award**—A number of awards are available to those students of any major participating in the Georgia Southern Symphonic Band. Recipients are expected to participate in the Symphonic Band's Winter and Spring Quarter performances. These renewable awards are awarded through auditions by the director of bands. Contact Dr. Daniel Pittman, L.B. 8052, (912)681- 0195.

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

**+Georgia Southern University Foundation Music Scholarship**—Established to recognize and assist Georgia Southern University's out-

standing music students. Performance auditions are required of all applicants. Application open to students majoring in music at any undergraduate class level. Recipients selected by the faculty of the Department of Music. Contact: Department of Music, L.B. 8052, (912) 681-5396.

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

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

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

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

### **Nursing**

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

**+Curtis G. Hames Nursing Scholarship**—Established to honor Dr. Curtis G. Hames of Claxton, Georgia, an outstanding, dedicated physician and medical researcher of national and international renown. The scholarship program is designed to provide financial assistance to students majoring in nursing at state-approved programs in Statesboro, Augusta, Savannah, Brunswick, or Macon, Georgia. Criteria for selection include full-time enrollment, academic standing, personal character, relevant extracurricular activities, motivating interests and financial need. Application is open to undergraduate students majoring in any field of nursing. Applicants should be Georgia residents whose home address lies within a 43-county area of east Georgia (consult Nursing Department for specific counties). Contact: Department of Nursing, L.B. 8158, (912) 681-5242.

**+Statesboro Business and Professional Women's Nursing Scholarship**—Established in 1989 to assist outstanding students majoring in the field of nursing. This scholarship provides financial assistance for the last six quarters of the nursing program. Criteria for selection include full-time enrollment, academic standing, personal character, relevant extracurricular activities and

financial need. Application open to junior level nursing students accepted to the Nursing Program. Preference given to graduates from Bulloch County high schools. Recipients selected by the Department of Nursing Student Affairs Committee. Contact: Department of Nursing, L.B. 8158, (912) 681-5242.

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

### **Physics**

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

### **Political Science**

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

### **Psychology**

**+Georgelle Thomas Memorial Graduate Scholarship**—Established by friends and colleagues in 1985 to honor the career and services of Dr. Thomas. Criteria for selection include

high academic achievement, personal character, relevant extracurricular activities, and motivating interests. Application open to newly accepted or currently enrolled regular, full-time graduate students. Recipients selected by the Department of Psychology Scholarship Committee. Contact, Dr. Richard L. Rogers, Department of Psychology, L.B. 8041, (912)681-5539.

#### **Printing Management**

**+Camp Scholarship**—Established in honor of the Camp family in recognition of their dedication to academic excellence and contributions to the Georgia printing industry. The purpose of the scholarship is to recognize and assist outstanding students in the printing management field. Criteria for selection include full-time enrollment, academic standing, personal character, relevant extracurricular activities and motivating interests. Application open to students majoring in printing management at any undergraduate or graduate class level. Preference given to applicants from Walton County, Georgia. Recipients selected by the Printing Management Scholarship Committee. Contact: Mr. Scott Williams, Department of Industrial Technology, L.B. 8046, (912) 681-5761.

**+Printing Association of Georgia Scholarship**—This scholarship program has been established by the Printing Association of Georgia (PAG) to recognize and assist students majoring in printing management. Criteria for selection include full-time enrollment, academic standing (2.5 GPA or better), Georgia residency, and financial need. Application open to students majoring in printing management at any undergraduate or graduate class level. Contact: Mr. Scott Williams, Department of Industrial Technology, L.B. 8046. (912) 681-5761.

**+Mendel Segal Scholarship**—Established in 1985 to honor the career and contributions of Mr. Mendel Segal, printing industry executive from Georgia. The purpose of the scholarship is to recognize and assist outstanding students in the printing management field. Criteria for selection include full-time enrollment, academic standing and financial need. Application open to students majoring in printing management at any undergraduate or graduate class level. Recipients selected by the Printing Management Scholarship Committee. Contact: Mr. Scott Williams,

Department of Industrial Technology, L.B. 8046, (912) 681-5761.

**+George Wallis Scholarship**—Established in 1989 to recognize and assist outstanding students in the printing management field. Criteria for selection include full-time enrollment, academic standing and financial need. Application open to students majoring in printing management at any undergraduate or graduate class level. Recipients selected by the printing management Scholarship Committee. Contact: Mr. Scott Williams, Department of Industrial Technology, L.B. 8046, (912) 681-5761.

#### **Recreation**

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

**Leisure Careers Foundation Scholarship**—The Leisure Careers Foundation is a non-profit organization created by the Georgia Recreation and Park Society Board of Trustees to administer a loan-scholarship program for individuals in full-time academic pursuits in the recreation, park and conservation fields. Applicants must be legal residents of Georgia, classified as a rising junior, rising senior or graduate student and have at least a 3.0 cumulative GPA for the previous two quarters. Contact: Sherry Reavis, director, Peachtree City Parks & Recreation, 201 McIntosh Trail, Peachtree City, GA 30269, (404) 631-2542, or the Department of Recreation and Leisure Services, L.B. 8077, (912) 681-5462.

## Technology

**\*+Grinnell Technology Scholarship**—Created by the Grinnell Corporation in Statesboro to provide financial assistance to academically able technology majors who might otherwise be unable to earn a degree. Criteria for selection include demonstrated financial need, high school or junior college academic and extracurricular records, personal character, motivating interest, SAT scores, and home proximity to Georgia Southern University. Recipients must be U.S. citizens and residents of Georgia. Application is open to undergraduate students enrolled in an approved program of technology or engineering study. The stipend is renewable under conditions. Recipients selected by the Allen E. Paulson College of Technology Scholarship Committee. Preference will be given to gifted, underprivileged students. Contact: Scholarship Coordinator, Department of Financial Aid, L.B. 8065, (912) 681-0426.

**+Gulfstream Aerospace Engineering Scholarship**—This program was established in 1987 to assist exceptional engineering students during their first two years at Georgia Southern University. Criteria for selection include full-time enrollment, academic standing, personal character, relevant extracurricular activities, and demonstrated financial need. Application is open to students enrolled in an approved program of engineering study. Recipients selected by the Gulfstream Scholarship Committee. Preference will be given to applicants from Savannah and the Coastal Empire region. Upon successful transfer to upper division engineering schools, recipients may apply for further aid in the form of co-op and summer work programs. Contact: Dr. Gerald A. Jones, director, Engineering Studies Transfer Program, L.B. 8044, (912)681-5111.

**+Ernest W. and Audrey M. Hartsell Engineering Technology Scholarship**—The purpose of this scholarship is to recognize and assist outstanding engineering technology students. Criteria for selection include full-time enrollment, academic standing, personal character, relevant extracurricular activities, and demonstrated financial need. Application is open to students enrolled in an approved program of engineering technology study at any undergradu-

ate class level. Recipients selected by the Department of Engineering Technology Scholarship Committee. Preference will be given to gifted, underprivileged students. Contact: Department of Engineering Technology, L.B. 8045, (912) 681-5373.

**+Stephen G. Moore Scholarship**—The purpose of this scholarship is to recognize and assist outstanding engineering students with demonstrated financial need. Criteria for selection include full-time enrollment, academic standing, personal character, relevant extracurricular activities and demonstrated financial need. Application is open to students enrolled in an approved program of engineering study at any undergraduate class level. Preference will be given to gifted, underprivileged students. Contact: Office of Engineering Studies, L.B. 8044, (912) 681-5111.

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

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

## SATISFACTORY ACADEMIC PROGRESS REQUIREMENTS FOR FINANCIAL AID

### Requirement and Definition

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

### Programs Affected

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 number of hours are earned.

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

B. 1. Undergraduate students, in a 4-year program, who have attempted 235 or more quarter hours will have their aid terminated. Degree programs requiring more than 190 hours for graduation will have the 235 hours maximum increased by the number of hours above 190 required to receive the degree. A student must have at least a 2.0 cumulative grade point average and

is projected to receive his/her degree the quarter immediately after earning the 235 hour maximum will be considered to be making satisfactory progress. A student must advise the Financial Aid Office if he/she meets this requirement.

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

3. Cumulative hours will be checked for compliance at the end of each spring quarter and summer quarter.

**III. Grade Point Average (checked at the completion of each spring quarter and summer quarter):**

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

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

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

## TIME LIMIT

A student may not receive financial aid for more than 15 quarters. Part-time students and students required to enter college under the 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 10 quarter hours earned with a 2.0 quarterly grade point average.
3. Graduate students may request aid at any time their cumulative GPA reaches 3.0.

### WITHDRAWAL FROM COURSES

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

### TRANSFER STUDENTS

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

### WITHDRAWAL FROM SCHOOL

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

### APPEALS

1. A student will indicate in writing to the Financial Aid Office. (a) the reasons why he/she did not achieve the minimum academic

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

### CO-OP PROGRAM

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

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

Tuition, textbook allowance, laboratory expenses and other educational fees, plus a subsistence

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

#### VETERANS' ASSISTANCE PROGRAMS

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

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

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

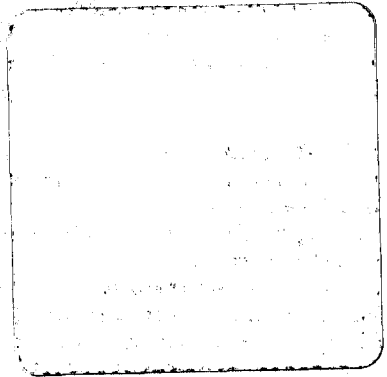
The need for enrollment in Learning Support must be established by testing, counseling, and recommendation of a faculty member.

Veterans are encouraged to take advantage of college credit they may be eligible to receive as a result of their military training, as well as the credit by examination programs.

Six quarter hours of credit for physical education activity courses will be awarded when a student provides evidence (DD-214) that he/she has had a minimum of one year's active military duty. The DD-214 should be furnished to the Registrar's Office.

#### VOCATIONAL REHABILITATION

The State of Georgia provides financial assistance (equal to tuition and other regular fees in the College) for residents of Georgia who are physically handicapped. For further information, write directly to the Division of Rehabilitation Services, Department of Human Resources, 878 Peachtree Street, Atlanta, Georgia 30309.





## GENERAL ACADEMIC INFORMATION

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**GENERAL ACADEMIC INFORMATION**

The University is organized on the quarter system with each of the three quarters in the regular session extending over a period of approximately 11 weeks.

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

**CLASSIFICATION**

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

Freshmen.....	0-44 hrs. earned
Sophomores.....	45-89 hrs. earned
Juniors.....	90-134 hrs. earned
Seniors.....	135 up earned

**COURSE LOAD**

A student's course load is computed on the credit-hour value of all courses taken for credit during the quarter whether taken on campus, off campus, or by correspondence. A normal load in a quarter is 15 to 18 hours. Twelve or more hours is considered a full-time load for determination of tuition and most financial aid benefits for undergraduate students. An advisor may approve an overload for 19 - 21 hours. 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.

**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.

The second digit in the course number indicates the quarter hours credit for the course as follows:

0 .....	1 quarter hours credit
1 .....	1 quarter hours credit
2 .....	2 quarter hours credit
3 .....	3 quarter hours credit
4 .....	4 quarter hours credit
5, 6, 7, 8 .....	5 quarter hours credit
9.....	0 to 15 quarter hours credit

The third or fourth digit is used simply to designate that particular course.

**GRADES AND GRADE POINTS**

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

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

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

The student is graded "D" when his 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:

<i>Symbols</i>	<i>Explanation</i>	<i>Grade Points</i>
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 ( <i>used only for courses designed to extend over more than one quarter</i> )	0.0
K	Credit by Examination	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 mid-point of the quarter. Beyond the mid-term a "WF" will be assigned except in cases of hardship as determined by the Dean of the appropriate school. A "W" is not considered in computing the grade point average. The "WF" is

computed as an "F". A student who withdraws from school after mid-quarter is assigned a "W" if passing at the time of withdrawal or a "WF" if he is failing at that time.

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

An "S" indicates that credit has been given for completion of 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 exclusively the prerogative of the instructor. Nothing stated below is intended to place a limitation on the prerogative.

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

Procedures are as follows:

1. The student should petition the instructor for reconsideration, giving salient reasons.
2. If, after reconsideration, the instructor does not change the grade and if the student is still not satisfied, the student should consult the department chair, who will then confer with the faculty member. The student must consult the department chair within one quarter after the grade has been mailed by the Registrar's Office.
3. If not satisfied after consulting the department chair, the student should then petition the dean of the appropriate college. The dean will consult the instructor and the department chair and attempt to resolve the dispute.
4. If the dispute has not been resolved, and if the dean finds that enough evidence exists to suggest that the instructor prejudicially or capriciously awarded a grade in violation of the instructor's own specified grading standards for that class, the dean shall appoint a committee to hear the evidence and attempt to resolve the dispute.

The committee shall consist of:

- One faculty member from the department
- Two faculty members from the college but not from the department of the instructor

- One faculty member from each of two other colleges
  - Ex-officio: judicial board chairperson
- Both the instructor and the student will have the right to challenge for good cause any or all of the members of the committee, and in that event replacements will be appointed and no further challenge will be permitted.

5. If the committee finds that the instructor did prejudicially or capriciously award a grade in violation of specified grading standards for that class, it should attempt to determine what the grade would have been if the instructor's grading standards had been consistently followed. The instructor may either accept or reject the committee's finding.
6. If the student is still not satisfied or if the instructor rejects the committee's finding, either may appeal to the vice president for academic affairs. The vice president will review the committee's recommendation and either let the original grade stand or assign the new grade recommended by the committee. The vice president will send a written notice of his action to all parties concerned and his decision will be considered final.

### **GRADE POINT RATIO**

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

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

### **WITHDRAWAL FROM SCHOOL**

Any student who wishes to withdraw from school during the quarter must present an official with-

drawal 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 College of Graduate Studies 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 head 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

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

Students entering Georgia Southern fall quarter 1987 or after must meet the academic requirements which follow.

## GOOD ACADEMIC STANDING

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

## PROBATION

Probation serves as a notice that academic dismissal from the University will follow unless the quality of academic work improves and the terms of probation are satisfied. A student will be placed on probation at the end of any quarter in which the adjusted cumulative grade point average drops below 2.0. Probation status is noted on the student's permanent record.

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

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

## 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 pro-

bation 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 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 30 hours of college-level work with a minimum grade point average of 2.0. Alternately, students may appeal to the Admissions Committee to re-enter Georgia Southern, but only after being out of school for three calendar years.

### READMISSION POLICY

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

1. Submit a Former Student Application to the Office of the Registrar at least 20 days prior to the published date of registration. Former Student Applications may be obtained from the Office of the Registrar.
2. Have official transcripts from any other institution attended since attending Georgia Southern sent to Georgia Southern's Office of the Registrar.
3. Student's previous academic status at Georgia Southern must allow the student to be readmitted.
4. Student must be eligible to return to the most recently attended institution.

Students who do not meet the criteria stated in items 3 and 4 above, must appeal to the Admissions Committee to be considered for readmission. Readmission appeal forms may be obtained from the Office of the Registrar.

Former graduate students should contact the Graduate College Admissions Office for procedures concerning readmission.

### 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 exclu-

sion 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 must the test be taken?

1. The test may be taken after completion of English 151 and 152.
2. The test must be taken after the student has earned 45 hours of degree credit unless English 151 and 152 have not been completed.

3. The test must be taken after the student has earned the 60th hour of degree credit regardless of whether English 151 and 152 have been completed.
4. The full test or any portion of the test not passed must be taken each quarter in attendance after the 60th hour until both components of the test have been passed.
5. Students who are taking the test for the first time or who fail to pass both sections of the test are required to take both sections at one testing.

#### Who shall take the test?

1. All regularly enrolled undergraduate students of Georgia Southern University.
2. Students whose native language is not English will take the test but will be tested separately and given longer (2 hours) on each component of the test under the guidelines of the Foreign Students' policies.
3. Handicapped students will take the test under provisions approved by the Exceptions Committee (see guidelines below).
4. Transfer students who receive 60 hours or more of transfer credit must take the test the first quarter in attendance.

#### When must a review course be taken?

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 percent of the classes and complete at least 75 percent of the assigned work in order to be eligible to take the Regents' Test that same

quarter. Failure to attend at least 50 percent 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 percent 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 head.

- d. The head of the English department will send the results of the committee's findings to the director of testing, who will inform the student of the results.
  - e. If the committee's findings support the student, the director of testing will send the appeal to the Board of Regents' office for action.
3. The results of the review by the Board of Regents Testing Office will be final. The student will be notified through the institution of the results. Action on the appeal is generally taken after mid-quarter and after the next administration of the Regents' Test.
- Students may appeal to the 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: Students must have their program of study checked by submitting an application for graduation to the registrar three quarters prior to completion of academic requirements. The application must be submitted no later than the last day of official registration (as stated in the official college calendar) during the final quarter before completing academic requirements.

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

Student must earn at least 30 percent of degree requirements in residence at Georgia Southern University.

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

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

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

At least 15 hours of the 20 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 is in attendance as a transient student at another institution unless an official transcript of transient credit is received by the registrar prior to graduation. This policy also applies to courses taken by correspondence or extension.

A student must fulfill all major, minor and special requirements prescribed for the degree and satisfy the legal requirements with regard to evidence of an understanding of the history and

constitutions of Georgia and of the United States.

A student must pass the Regents' Test as required by the University System of Georgia. (See Regents' Testing Program) Satisfactory scores will be evidence of competence and shall satisfy the requirement. This is a requirement for graduation.

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 10 or more calendar years and re-enters, the current catalog requirements (at time of re-entry) will apply. Exceptions to the 10-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 10 hours in performing groups (MUE) and applied music courses (MUA) may apply toward satisfying the minimum of 190 hours required for the degree.

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

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

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

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

with the approval of the appropriate advisor and department.

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

## SECOND DEGREES

A graduate of any program may receive the baccalaureate degree of any other program by completing all the additional studies required in that program and by meeting residence requirements for the second baccalaureate degree. The minimum resident requirement is 30 percent of the degree requirements being taken at Georgia Southern University. Eligibility for graduation with academic honors does not apply to the second baccalaureate degree. Students may not earn the same degree a second time at Georgia Southern.

## GRADUATION WITH HONORS

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

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

2. Graduating seniors who first matriculated at GSU fall 1988 and after will be recommended for graduation with honors on the basis of all credit hours attempted. All credit hours attempted and grade points at other institutions will be added to the Georgia Southern hours attempted and grade points (true cumulative hours and points).

- a. Only baccalaureate candidates are eligible.
- b. At least 90 hours of credit must be earned at Georgia Southern.
- c. At least 75 hours must be credit earned in regularly scheduled academic courses at Georgia Southern in which A,B,C,D,F grades are assigned.
- d. Spring quarter grades for June Graduation, summer quarter grades for August Graduation, and fall quarter grades for December Graduation will not be used in computing the GPA for honors prior to graduation. (Credit hours earned in the last quarter apply toward the 90 hour minimum.) After June, August, and December Graduations, the GPA is re-checked for honors. Honors will be added if grade point average qualifies.

The honors assigned and the scholastic records are:

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

### HONORS DAY—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 complet-

ed 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 Georgia Southern for at least one year.
4. Junior or senior status. (Number of seniors and juniors elected may not exceed 10 percent of the candidates for graduation that year.)
5. Graduate status. (Number of graduate students elected may not exceed 10 percent of students receiving graduate degrees from the University that year)

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

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

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

**CORE CURRICULUM**

**GEORGIA SOUTHERN UNIVERSITY**

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

**AREA I—Humanities and Fine Arts (20 hours required)**

- \*ENG 151 and 152—English Composition I and II.....10
- ENG 251 or 252 or 253—The Human Image in Literature of the Western World.....5
- Five hours from the following:.....5
- ART 160—Art in Life
- CA 252—Introduction to Human Communication
- CAS 251—Fundamentals of Public Speaking
- CAT 257—Introduction to Theatre
- MUS 152—Introduction to Music
- PHI 150—Survey of Philosophical Thought
- \* Students must complete English 151 and 152 with a minimum grade of "C." English 151 must be completed with a minimum grade of "C" before the student may enroll in English 152.*

**AREA II—Mathematics and Natural Sciences (20 hours required)**

- Five hours from the following:.....5
- \*MAT 150—Introduction to Mathematical Modeling
- \*MAT 151—College Algebra
- MAT 152—Trigonometry
- MAT 155—Business Calculus & Applications
- MAT 165—Pre-calculus Mathematics
- MAT 166 or 167—Analytic Geometry and Calculus I or II
- MAT 264 or 265 Calculus III or Calculus IV
- \* Credit cannot be received for both MAT 150 and MAT 151 in Area II of the Core Curriculum*
- Ten-hour laboratory sequence from the following:.....10
- BIO 151 and 152—General Biology I and II
- \*BIO 161 and 162—General Biology I and II
- CHE 171 and 172—Introduction to General Chemistry and Introduction to Organic Chemistry
- CHE 181, 182, 183—General Chemistry
- GHE 151, 152—General, Physical and Historical Geology
- PHY 251, 252, 253—General, College Physics

or PHY 261, 262, 263—General College Physics for Science, Engineering and Mathematics Students.

- \*BIO 161 and 162 is open only to biology majors.
- Five hours from the above including Mathematics or the following: .....5
- BIO 165—People and the Environment
- GLY 165—Principles of Environmental Geology
- GT 165—Technology, Science, and Environment
- MAT 255—Statistics Using the Computer I
- PHS 151—Principles of the Physical Universe
- PHS 152—General Astronomy
- PHY 254—General College Physics

**Area III—Social Science (20 hours required)**

- HIS 152 or 153—Development of Civilization.....5
- HIS 252 or 253—U.S. to 1877 or Since 1877.....5
- PSC 250—American Government .....5
- Five hours from the following: .....5
- ANT 150—Introduction to Anthropology
- ECO 250 or 251—Principles of Economics I or II
- ECO 260—Basic Economics
- GGY 250—World Regional Geography
- PSY 150—Introduction to Psychology
- SOC 150—Introduction to Sociology

**AREA IV—Courses Appropriate to the Major (30 hours required)**

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

**Summary of Requirements for All Degrees**  
 Humanities, 20 hours; Science and Mathematics, 20 hours; Social Science, 20 hours; Courses Appropriate to Major, 30 hours; Health and Physical Education Activity Courses, 7 hours (HTH 131 and four Physical Education Activity courses); Upper Division Requirements and Electives, to total a minimum 190 hours.

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



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## BACHELOR OF GENERAL STUDIES DEGREE

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

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

### Requirements

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

### Area IV

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

The General Studies Degree requires that students complete three areas of concentration, which they may select from a wide range of offerings. Each concentration consists of 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 shall consist of one general, representative course from each of the following functional areas. These courses have been approved by the faculty.

- ACC 260—Survey of Accounting
- MKT 350—Principles of Marketing
- BA 351—Business Ethics
- MGT 351—Principles of Management
- LST 352—Legal Environment of Business I

### 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 464—Culture and Personality
- ANT 582—Comparative Social Structures
- SOC 352—Urban Sociology
- SOC 452—Community Organization
- SOC 455—Sociology of Religion
- SOC 460—Social Stratification
- SOC 475—Organizations
- SOC 480—Sociology of the Family

### EDUCATION

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

- FED 251—Foundations of Education
- FED 361—Educational Psychology: Teaching and Learning in classrooms
- EXC 450—Identification and Education of Exceptional Students in the Regular Classroom

### Ten hours from:

- FED 551—Adolescent Psychology
- EDT 450—Introduction to Instructional Technology
- FED 563—Comparative Educational Thought
- RDG 459—The Teaching of Reading
- VED 450—Trends in Vocational and Career Education
- AED 551—Adult Education

### INDUSTRIAL MANAGEMENT

- IM 351—Introduction to Industrial Management
- IM 352—Applied Industrial Statistics

IM 471—Industrial Supervision  
 GT 350—Ind. Proc. and Materials  
 IET 450—Production Planning

### INTERNATIONAL STUDIES

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

### LATIN AMERICAN STUDIES

Latin American Studies 450 and four courses from at least two different disciplines, selected from the following and approved by the Latin American Studies Committee:

GGY/LAS 460—Geography of Latin America  
 HIS/LAS 371—Latin America—The Colonial Period  
 HIS/LAS 373—Mexico and the Caribbean  
 HIS/LAS 374—A.B.C. Powers  
 PSC/LAS 378—Latin American Politics  
 SPA/LAS 355—Latin American Civilization  
 SPA/LAS 455—Latin American Literature

### LINGUISTICS

Twenty-five hours selected from the following and approved by the Linguistics Committee:

ENG 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

Select 25 hours from the following:

PM 250—Graphic Arts Tech. I  
 PM 332—Printing Papers  
 PM 335—Law and Ethics  
 PM 350—Graphic Arts Tech. II  
 PM 432—Printing Production  
 PM 452—Graphic Arts Technology III  
 PM 455—Printing Estimating  
 PM 495—Special Problems

### RELIGIOUS STUDIES

Religious Studies 450 and four courses from at least three different disciplines, selected from the

following and approved by the Religious Studies Committee.

PHI/RS 352—Great Moral Philosophers  
 PSY/RS 357—Psychology of Religion  
 PHI/RS 370—World Religions  
 HIS/RS 381—Introduction to the History of Religion in the U.S.  
 HIS/RS 384—Heresy and Dissent in Western Religious History  
 HIS/RS 451—The Age of the Reformation  
 SOC/RS 455—Sociology of Religion  
 HIS/RS 467—Major Themes in Western Religious History  
 PHI/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 30460-8054  
(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 approved by the International Studies Committee.

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.

## FRESHMAN SEMINAR COURSE

### GSU 120—Freshman Seminar: Introduction to College

This course is designed to help freshmen understand the purpose of a college education, to learn about college resources and requirements, to explore values and interests, to learn to make decisions and realistic choices, to explore career objectives and programs of study, and to establish supportive relationships with faculty and staff. The course is open to interested freshmen during their first quarter at Georgia Southern.\*

\* A student may apply no more than two hours credit from GSU 120 or 220 to the 190 hours required for graduation.

## LEARNING SKILLS COURSE

### GSU 220—Methods of Learning

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

\* A student may apply no more than two hours credit from GSU 120 or 220 to the 190 hours required for graduation.

## LIBRARY RESEARCH COURSE

### GSU 230—Use of Library Resources

Methods of using a library effectively to locate information. The course is designed to be useful to all students regardless of major. Three one-hour class periods per week.

## STUDIES ABROAD

Studying abroad enables students to increase knowledge of a foreign language, provides the opportunity to gain insights into and appreciation for the cultures and institutions of other peoples, facilitates the development of relevant career skills, and contributes to personal maturity, a sense of independence, self-knowledge, and confidence.

Georgia Southern offers study abroad 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

**Jamaica Study Abroad Program**, African and African-American Studies Program

**Summer Study in Erlangen**, Germany, 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. In 1992 approximately 300 participants enrolled in programs coordinated by the RGC. Summer study abroad programs were offered in Europe, Canada, Mexico, and the Pacific region.

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

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

For further information, contact 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 postgraduate or graduate students not concentrating in the discipline for which they seek credit. An internship may be a component of the course. Credit varies up to 15 quarter credit hours per term. Prerequisite: consent of instructor.

## WOMEN'S AND GENDER STUDIES

Women's and Gender Studies is an interdisciplinary field including courses offered by several departments.

C. Schille, chair.

### WGS/CAS 349—Communication and Gender

This course will introduce students to the literature of communication and gender. It will define the domain of communication and gender studies and consider how men's and women's self-perceptions and resulting communication patterns evolve as a function of cultural influences.

### WGS 350—Perspectives on Women's and Gender Studies

A 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, economical, economic, social and intellectual life of the United States.

**WGS/SOC 355—Sociology of Sex Roles**

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

**WGS/PSY 358—Psychology of Women**

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

**WGS/POL 372—Women and Politics**

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

**WGS/HIS 387—Women in Modern European History**

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

**WGS/CA 441—Women and Media**

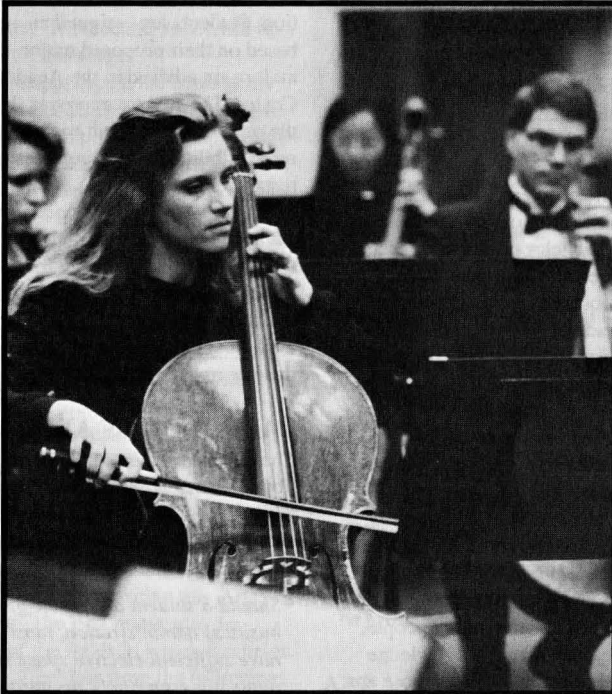
This course focuses on three essential issues in the study of women and their relationship to the mass media: 1) the representations of femininity and female characters, with emphasis on contemporary film and television; 2) the history and current status of women within media institutions; 3) the reception 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.



## COLLEGE OF ARTS AND SCIENCES

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## ORGANIZATION AND OBJECTIVES

The College of Arts and Sciences contains fifteen departments as follows: Art; Biology; Chemistry; Communication Arts; Learning Support; English and Philosophy; Foreign Languages; Geology and Geography; History; Mathematics and Computer Science; Music; Physics; Political Science; Psychology; Sociology and Anthropology. Numerous majors are available to students enrolling in the College of Arts and Sciences - anthropology, art, biology, chemistry, communication arts, computer science, justice studies, economics, English, French, geology, German, history, journalism, mathematics, medical technology, music, physics, political science, psychology, sociology, and Spanish. Minors are available in all fields that have Bachelor of Arts majors and also in computer science, geography, journalism, library science, philosophy, writing, and the interdisciplinary fields of African and African American studies, American studies, international studies, Latin American studies, linguistics, and religious studies. Other minors are offered by various units as second minors in the B.A. programs or as optional minors in the other bachelor's degree programs. (See Minors).

The College of Arts and Sciences takes as basic to its total function the commitment to the liberal arts, those academic disciplines which have as their immediate goal the training of the mind toward the end of understanding people, nature and society. Three areas of knowledge considered essential to achieve this purpose are the humanities/fine arts, natural sciences, and social sciences.

The college recognizes that a vital part of life is the work that one does, and so in addition it encompasses a number of programs that offer career preparation as well. The objectives of the College of Arts and Sciences can be summarized as follows:

1. To offer programs of study in the liberal arts, primarily in the B.A. degree.
2. To offer preparation in professions, many leading toward advanced degrees, chiefly in the B.S. degree.
3. To offer training in particular vocations, such as in journalism and 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. For example, the following courses are generally required for students entering Master of Business Administration programs: Accounting 260, Economics 260, Finance 351, Law 352, Management 351.*

## GENERAL REQUIREMENTS

The degree requires fulfillment of the core curriculum, a minimum of 30 hours in the major field, a minimum of 20 hours in a second or minor field,\*\* completion of the fourth course (Intermediate) of a foreign language, three hours of health and four hours of physical education and a minimum 2.0 adjusted grade point average in required upper-division hours in the major discipline. *\*\*Please note that certain minors may be used only as second minors within the Bachelor of Arts degree (See minors).*

pline. 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 Arts and Sciences minor. The first minor may be selected from any of the fields in which Bachelor of Arts majors are offered or from the following: African and African American Studies, American studies, computer science, geography, international studies, journalism, Latin American studies, library science, linguistics, philosophy, religious studies. While the first minor in the Bachelor of Arts degree must be in one of the fields mentioned above, the second minor may be one of these or may be selected from a group of non-liberal arts minors identified as such in the list of minors on pages 24-28. (Students completing other degrees in the College of Arts and Sciences may select any minor from this list as an optional minor.)

**GENERAL EDUCATION REQUIREMENTS**

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

**AREA IV AND SPECIFIC REQUIREMENTS**

Area IV requirements of the core curriculum and specific requirements (peculiar to the individual major) are listed below by majors.

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

**MAJORS**

**ANTHROPOLOGY**

**Area IV—30 hours**

Anthropology 150\* .....5 hours  
 Foreign Language .....0-10 hours  
 Economics 250, 251, 260;  
 Geography 250; Geology 151-152;  
 History 252, 253; 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.

**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

Five hours from:

Biology 460—Plant Physiology or

Biology 481—Animal Physiology

Biology 472—Genetics

Biology 473—Ecology

Chemistry 181 and 182—General Inorganic  
Chemistry

Chemistry 377 and 378—Organic Chemistry

Mathematics 151, 152—College Algebra,  
Trigonometry\*\*\*

Ten hours in sequence from the following:

Geology 151, 152—General Physical Geology,  
General Historical Geology

Physics 251 and 252 or 253—General College  
Physics

Physics 261 and 262 or 263—General College  
Physics for Science, Engineering, and  
Mathematics Students

Five hours from:

Mathematics 166—Analytic Geometry and  
Calculus I

Biology/Statistics 476—Statistical Methods I

Biology/Statistics 477—Statistical Methods II

Twenty hours of upper-division biology.

With advisor's approval, these may include  
Chemistry 586—Biochemistry.

Intermediate Foreign Language (French, German,  
or Spanish)

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

*\*\*Students who have earned credit for 30 hours  
of biology courses must have received credit  
for Biology 370, or must enroll in this course  
and receive credit for it before enrolling in any  
other biology course.*

*\*\*\*Mathematics 165 may be substituted for  
Mathematics 151 and 152.*

## CHEMISTRY

### Area IV—30 hours

Chemistry 181, 182, 183, 261.....10-20 hours

Mathematics 165, 166, 167,

Physics 251, 252, 253 or

Physics 261, 262, 263 .....0-15 hours  
Computer Science.....0-10 hours

### Specific Requirements:

Chemistry 181, 182, 183—General Chemistry

Chemistry 261—Quantitative Analysis

Chemistry 362, 363—Instrumental Analysis I  
and II

Thirty hours in Chemistry from upper-  
division offerings which must include:

Chemistry 371, 372, 373—Organic Chemistry or

Chemistry 377, 378—Organic Chemistry

Chemistry 521—Chemical Literature

Mathematics 165—Pre-Calculus Mathematics

Mathematics 166—Analytic Geometry and  
Calculus I

Mathematics 167—Analytic Geometry and  
Calculus II

Foreign Language

Recommended:

Physics 251, 252, 253—General College Physics  
or Physics 261, 262, 263—General College

Physics for Science, Engineering, and  
Mathematics Students.

## COMMUNICATION ARTS

### Area IV—30 hours

Foreign Language.....10-20 hours

Communication Arts 250, 252, 254, The-  
atre 257.....5-15 hours

Art 160; English 251, 252, 253;

Economics 250, 251, 260; History 252, 253;

Journalism 252; Music 152; Philosophy 150;

Psychology 150; Sociology 150; .....0-15 hours

### Specific Requirements:

10 hours from English 251, 252, 253

Speech 251

Four hours from:

Speech 323—Parliamentary Procedure

Speech 344—Advanced Public Speaking

Speech 342—Discussion

Speech 343—Argumentation and Debate

Speech 444—Communication Theory

Four hours from:

Theatre 121—Stage Make-up

Theatre 149—Theatre Workshop

Theatre 249—Theatre Workshop

Theatre 251—Stagecraft

Theatre 255—Acting I

Theatre 257—Introduction to Theatre

Theatre 342—Theatre History I

Theatre 343—Theatre History II

Theatre 346—Play Directing

Theatre 347—Acting II  
 Theatre 349—Theatre Workshop  
 Theatre 358—Child Drama and Creative Dramatics

Theatre 442—Scene Design  
 Theatre 443—Costume Design  
 Theatre 449—Theatre Workshop  
 Theatre 565—Puppetry

Four hours from:

Speech 443—Semantics  
 Speech 551—Descriptive Linguistics

Four hours from:

Speech 341—Oral Interpretation  
 Speech 438—Readers Theatre  
 CAB/CAJ 345—Law and Ethics of Mass Communications

Broadcasting 347—Radio Production  
 Broadcasting 444—Television Production  
 CAB/CAJ 447—Radio and Television Script Writing

Twenty-four hours in communication arts from upper-division offerings approved by advisor.

Five hours of practicum.

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  
 Finance 553  
 International Studies 350  
 International Studies 360  
 Foreign language (20 hours at 300 level or above)  
 Management 351  
 Marketing 350  
 Management 563 or Marketing 465  
 Designated non-business electives (18 hours)

*\*MAT 255 is a prerequisite for CSC 256 and may be taken in Area II as the Math-Science elective.*

## ENGLISH

Area IV—30 hours

Foreign Language.....10-20 hours  
 Art 160; English 251, 252, 253;  
 History 252, 253; Journalism 252;  
 Music 152; Philosophy 150; Psychology 150;  
 Speech 251, 252.....10-20 hours

**Specific Requirements:**

English 151 and 152—Composition  
 Ten hours from English 251, 252, 253—

The Human Image in Literature of the Western World

English 3451 and 3452—English Literature  
 English 3461 or 3462—American Literature  
 Twenty-five 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 complete satisfactorily the required courses in freshman and sophomore English before enrolling in an upper-level course in English.

In order to ensure a balanced program for English majors, the department makes the following restriction in the area of upper-level major electives: English majors will not be permitted to take more than two courses within any major literary period (Old and Middle English; the Renaissance; Restoration and Eighteenth Century; Nineteenth-Century American Literature; Nineteenth-Century British Literature; Twentieth-Century Literature).

Only one English 399 or English 599 course may be counted in the English major.

All English majors must take the capstone course English 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.

**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.

**GERMAN**

**Area IV—30 hours**

- German .....10-20 hours
- Arabic 151, 152, 153, 252;
- French 151, 152, 153, 252;
- Japanese 151, 152, 153, 252;
- Russian 151, 152, 153, 252;
- Spanish 151, 152, 153, 252;
- Anthropology 150; Art 160;
- Economics 250, 251, 260;
- Journalism 252; Music 152;
- Philosophy 150; Psychology 150;
- Sociology 150; Speech 251 .....10-20 hours

**Specific Requirements:**

Thirty-five hours of German from upper-division offerings, at least ten of which must be at the 400 level. A grade of "C" or above must be made in every German course in the major.

**HISTORY**

**Area IV—30 hours**

- History 152 or 153 ..... 5 hours
- History 252 or 253 ..... 5 hours
- Foreign Language .....10 hours
- Anthropology 150; Economics 250, 251, or 260; Geography 250; Psychology 150;
- Anthropology 150; Sociology 150.....10-20 hours

**Specific Requirements:**

Foreign Language  
History 152 and 153—Development of Civilization  
History 252 and 253—U. S. History  
History 350—An Introduction to History\*  
Thirty hours in history from upper-division offerings approved by advisor.\* At least one non-western history required.

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

**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 IMathematics 167—Analytic Geometry  
and Calculus IIMathematics 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  
AlgebraMathematics 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).**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 hoursMUS 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 prerequi-  
site to the Music History courses; it may also  
serve as an elective in Area I of the core cur-  
riculum.*

Music majors must earn a minimum grade of  
"C" in each music class which applies toward  
graduation. Students earning less than a "C"  
grade in a sequential course offering may not  
enroll in the next course sequence until the course  
is repeated and a grade of "C" or higher is  
earned. In addition, students must earn a mini-  
mum 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. See  
Department of Music *Handbook* for additional  
policies governing degree programs in music.

**PHYSICS****Area IV—30 hours**

Physics through 263 .....15 hours

Mathematics 166, 167, 264, 265 .....5-15 hours

Chemistry 181, 182 .....0-10 hours

**Specific Requirements:**

Foreign Language

Ten hours from either of the following lab  
sequences:Chemistry 181, 182 or Biology 161, 162  
or Geology 151, 152Thirty hours in physics from upper-division  
offerings approved by advisor.**POLITICAL SCIENCE****Area IV—30 hours**

Foreign Language .....5-20 hours

Statistics 255, 256.....	5-10 hours
Anthropology 150; Justice Studies 251; Economics 250, 251, 260; Geography 250; History 252,253, Philosophy 150; Political Science 260; Psychology 150;	
Sociology 150.....	0-10 hours
Political Science 260.....	5 hours

**Specific Requirements:**

Foreign Language

Political Science 250—American Government  
Political Science 260—Introduction to Political  
Science

Forty hours, including a 400-level 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 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 labo-  
ratory 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 transla-  
tion. A grade of "C" or above must be made in  
every Spanish course in the major.

**THEATRE**

The B.A. degree is designed for those students  
preparing to enter the theatre arts profession in the  
areas of acting, directing, design or production.  
The B.A. degree in theatre is also an appropriate  
course of study for students wishing to enter grad-  
uate programs in drama or drama education.

**Area IV—30 hours**

Foreign Language.....	0-10 hours
Communications Arts 250.....	5-10 hours
Communications Arts 252.....	5-10 hours
Communication Arts 254.....	5 hours
Film 256, Theatre 257.....	5-10 hours

**Specific Requirements:**

Theatre 255—Acting I

Theatre 341—Script Analysis  
 Theatre 442, 443, 444—Design  
 Theatre 410, 411, 412 and 413—Practica  
 Theatre 346—Play Directing  
 Communication Arts 210—Convocation  
 Theatre 344—Theatre History I  
 Theatre 345—Theatre History II

Fifteen hours from the following courses:

CAT 347, Cat 341 or 345, CAT 121, CAT 334,  
 CAT 491, CAT 443, CAT 340, CAT 442, CAT  
 444, CAT 356, CAT 565, CAT 319, CAT 557,  
 CAT 358

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 any other department elective approved by advisor.

**Additional requirements:**

English 4461—Drama to Ibsen  
 English 4410 or 4411—Shakespeare  
 English 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.

## MINORS

Minors are available in all fields that have Bachelor of Arts majors and in other fields as reflected in the complete list below. Some minors have special requirements. (See Minors—General Information section).

African and African American Studies  
 American Studies  
 Anthropology  
 Art  
 Biology  
 Business\*  
 Chemistry  
 Communication Arts  
 Comparative Literature  
 Computer Science  
 Economics  
 English  
 Family and Child Studies\*  
 Finance  
 Food Service Management\*  
 Foods & Nutrition\*  
 French  
 Geography

Geology  
 German  
 Health and Aging Studies\*  
 History  
 Information Systems\*  
 Interior Design\*  
 International Studies  
 Journalism  
 Justice Studies  
 Latin American Studies  
 Library Science  
 Linguistics  
 Mathematics  
 Music  
 Philosophy  
 Physics  
 Political Science  
 Printing Management\*  
 Psychology  
 Religious Studies  
 Sociology  
 Spanish  
 Textiles, Clothing, and Fashion Merchandising\*  
 Women’s and Gender Studies  
 Writing

*\*May be taken as a second minor by B.A. candidates or as an optional minor by candidates for other baccalaureate degrees.*

## TEACHER CERTIFICATE WITHIN THE B.A. OR B.S. PROGRAM

Only students completing an approved four-year curriculum designed for a specific school service or teaching field and recommended by the university in which the training is completed are eligible for professional teaching certificates in Georgia. Candidates for the Bachelor of Arts and Bachelor of Science degrees may, through careful planning of their programs, meet degree requirements while incorporating one of the approved programs listed in the teacher education section of this catalog. Students who wish to follow this plan should confer with their teacher education advisement leader within the major department.

## BACHELOR OF FINE ARTS DEGREE

The Bachelor of Fine Arts degree provides a sound liberal arts education, prepares students for advanced study in the various studio arts, and allows for a concentrated study in a specific studio area.



**GENERAL REQUIREMENTS**

The degree requires fulfillment of the core curriculum, completion of a minimum of 30 hours from selected studio art courses, 20 hours of approved Art History courses, 20 hours from a studio concentration.

The advisor must approve all the courses in the selected studio art courses and the studio concentration. All students are required to present a senior exhibition.

A minimum of 23 hours of electives outside of the art department must be completed as well as 3 hours of health and 4 hours of physical education. A minimum of 190 hours is required for graduation.

**GENERAL EDUCATION REQUIREMENTS**

See Core Curriculum, Areas I, II, III.

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

**AREA IV AND SPECIFIC REQUIREMENTS FOR THE ART MAJOR**

**Area IV—30 hours**

ART 151. Drawing .....5 hours  
 ART 152. 2-D Design .....5 hours  
 ART 250. Painting .....5 hours  
 ART 252. 3-D Design .....5 hours  
 Lower-Division Fine Arts Electives .....10 hours

**Specific Requirements:**

Thirty hours of studio courses to be approved by advisor.

**ART 280 and 281**

Ten hours of upper division Art History.

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

**BACHELOR OF MUSIC DEGREE**

A student in the Bachelor of Music degree program may choose a major from the following: Composition, Music Education, Performance. Optional programs of study for the performance major include Elective Studies in Business or Emphasis in Jazz Performance.

**GENERAL REQUIREMENTS**

Students wishing to pursue a Bachelor of Music degree must pass an entrance audition.

This degree requires fulfillment of the core curriculum, completion of all requirements in

music, three hours of health and four hours of physical education. A minimum of 190 hours is required for graduation.

Music majors must earn a minimum grade of "C" in each music class which applies toward graduation. 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. For further information refer to the Music Section under "Arts & Sciences Courses." See Department of Music *Handbook* for additional policies governing degree programs in music.

**GENERAL EDUCATION REQUIREMENTS**

See Core Curriculum, Areas I, II, III

Health & physical education .....7 hrs.

**AREA IV AND 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
MUS 227 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
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(For keyboard primaries in lieu of MUS 116 a,b,c and 216 a,b,c)

Recital Attendance.....	0 hours
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(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)	
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SED 491—Student Teaching	
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**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	
<b>Additional requirements</b>	
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 approved minors are listed on page 24 of the 1994-95 catalog. The minor must be approved by the student's advisor at the time the student applies for graduation. A maximum of five hours may be taken under the S/U grading system within any Arts and Science minor.

\*Students who have questions regarding their proficiency level should contact the Department of Foreign Languages regarding course placement. A student who has completed two years of a foreign language in high school and who elects to study a different language at Georgia Southern must complete the second course (Elementary II) of the second language in order to fulfill the B.S. degree requirement. A student not subject to CPC must complete the second course of the second language in order to fulfill the B.S. degree requirement.

**GENERAL EDUCATION REQUIREMENTS**

See core curriculum, Areas I, II and III.

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

**AREA IV AND SPECIFIC REQUIREMENTS**

Area IV requirements of the core curriculum and specific requirements including grades required (peculiar to the individual majors) are listed below by majors. (Some of the 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 282—General Botany
Biology 370—Cell Structure and Function*
Biology 431—Senior Seminar

**Five hours from:**

Biology 460—Plant Physiology or
Biology 481—Animal Physiology
Biology 472—Genetics
Biology 473—Ecology
Chemistry 181 and 182—General Chemistry or
Chemistry 171—Introduction to General Chemistry
Chemistry 172—Introduction to Organic Chemistry
Mathematics 151, 152—College Algebra
Trigonometry**

Twenty hours of upper-division biology.  
Foreign Language

In addition to these requirements, students pursuing the Bachelor of Science degree 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 399—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.

**COMMUNICATION ARTS**

The major in communication arts in the Bachelor of

Science degree is designed for those students who are preparing to enter communication professions. A student may seek the B.S. in Communication Arts or, within that major, may choose the B.S. in Communication Arts with an emphasis in broadcasting, theatre, or public relations.

**Area IV—Courses applying to major**

- Foreign Language (153).....5 hours
- Speech 251 or CA 252 .....5 hours
- Communication Arts 254 .....5 hours
- Journalism 252 .....5 hours
- Communication Arts 250 .....5 hours
- Printing Management 250 or Art 152 or Art 258.....5 hours

**Specific Requirements:**

One of the following groups of courses:

**Group I:**

- Journalism 343—News Reporting and Writing
- Marketing 351—Advertising
- Speech 443—Semantics or Speech 444—Communication Theory
- 8 hours CA upper-division electives
- CAP, CAB, or CAS 493, 494, 495—Internship I, II, III. Internship must be taken in student's emphasis area.

Transfer admission to the B.S. in Communication Arts and to the B.S. in Journalism 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 emphases in broadcasting and public relations: Students intern at established internship sites. To intern, students file an application at least two quarters prior to the expected quarter of internship. All applicants must have a cumulative 2.0 GPA and must have completed all applicable communication arts courses.

**Group II:**

- Theatre 340—Theatre Management
- Theatre 342—Theatre History I or Theatre History 343—Theatre History II
- English 4461—Drama to Ibsen
- English 5403—Modern Drama
- 4 hours CA upper-division electives or one of the following:
- English 4410, 4411—Shakespeare
- English 5451—Drama from the Restoration to Shaw

15-hour theatre block consisting of:

CAT 493, 494, 495—Internship I, II, III: Theatre Internship or Theatre block consisting of:

Theatre 255—Acting I

Theatre 346—Play Directing

Theatre 441—Stage Lighting

Theatre Practica (three one-credit enrollments)

Theatre 491—Individual Problems (one three-credit enrollment taken senior year)

If students do not choose one of the following emphases, an additional 22-24 hours of upper-division courses in communication arts will be approved by the advisor.

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

### EMPHASIS IN THEATRE

In addition to the specific requirements listed above, the student must take the following:

Theatre 121—Stage Makeup

Theatre 251—Stagecraft

Speech 341—Oral Interpretation

Fourteen hours from:

Theatre 442—Scene Design

Theatre 443—Costume Design

Theatre 358—Child Theatre and Creative

Dramatics

Theatre 565—Puppetry

Theatre 557—Play Writing

Theatre 356—African-American Theatre

Theatre 347—Acting II

Theatre 319—Voice Improvement (1-3 hours)

Theatre Practica (in addition to those required above—1-2 hours)

### EMPHASIS IN BROADCASTING

In addition to the specific requirements listed above, the student must take the following:

Broadcasting 347—Radio Production

Broadcasting 444—Television Production I

Broadcasting 422—Lighting for Video Productions

Speech 341—Oral Interpretation

Broadcasting Practicum (one hour)

Eight hours of Broadcasting upper-division electives

Ten upper-division hours from one of the following academic disciplines:

Psychology, Sociology, Political Science, Technology, Business

### EMPHASIS IN PUBLIC RELATIONS

In addition to the specific requirements listed above, the student must take the following:

Public Relations 340—Introduction to Public Relations

Public Relations 440—Public Relations

Campaign Strategies

Speech 342—Discussion

Broadcasting 347—Radio Production or

Broadcasting 444—Television Production I

Printing Management 336 or 365.

An upper-division Communication Arts elective

Active membership in PRSSA

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

### COMPUTER SCIENCE

Area IV—30 hours

Math 166, 167, 264 ..... 10 hours

Computer Science 281, 283, 285 ..... 15 hours

Math 251 ..... 5 hours

**Specific Requirements:**

Foreign Language

Fifteen-hour lab science sequence

Additional five hours of science approved by advisor

Mathematics 166—Analytic Geometry & Calculus I

Mathematics 167—Analytic Geometry & Calculus II

Mathematics 220—Applications of Linear Algebra

Mathematics 264—Calculus III

Mathematics 334—Introduction to Linear Algebra

Mathematics 338—Introduction to Probability

Statistics 476—Statistical Methods I

Computer Science 281—Principles of Computer Programming I

Computer Science 283—Principles of Computer Programming II

Computer Science 285—File Processing

Computer Science 351—Theoretical Foundations of Computer Science

Computer Science 364—Data Structures

Computer Science 385—Assembler Language Programming

Computer Science 453—Theory of Programming 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—Silicate and Optical Mineralogy
  - Geology 353—Petrology and Petrography
  - Geology 355—Field Methods in Geology
  - Geology 411—Introduction to Research
  - Geology 451—Invertebrate Paleontology
  - Geology 452—Stratigraphy
  - Geology 453—Structural Geology
  - Geology 459—Sedimentation
  - Geology 494—Selected Problems in Geology (2 hours)
  - Geology 512—Seminar in Geology
- The student must have an average of "C" in courses in the major.

**JOURNALISM**

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
- Journalism 252 .....5 hours
- Communication Arts 250.....5 hours

- Communication Arts 252.....5 hours

**Specific Requirements:**

- Journalism 346—History of Journalism
- Journalism 343—News Reporting and Writing
- Journalism 344—Copy Editing
- CAJ/CAB 345—Law and Ethics of Mass Communications
- GSU 230—Methods of Library Research
- Journalism 442—Advanced Reporting
- Journalism 445—Feature Writing
- Additional 16 hours of upper-division Communication Arts courses approved by advisor (at least 12 hours must be in Journalism)
- Political Science 350
- Ten upper division hours from each of two academic areas in Arts and Sciences other than Journalism.

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

**MATHEMATICS**

**Area IV—30 hours**

- Calculus through Mathematics 265 ....10-20 hours
- Foreign Language .....5-10 hours
- Mathematics 220, Computer Science 230 .....0-5 hours

**Specific Requirements:**

- Foreign Language
- Mathematics 166—Analytic Geometry and Calculus I
- Mathematics 167—Analytic Geometry and Calculus II
- Mathematics 264—Calculus III
- Mathematics 265—Calculus IV
- Mathematics 220—Applications of Linear Algebra
- Computer Science 230—Introduction to BASIC Programming
- Mathematics 320—Sets and Set Operations
- Mathematics 330—Introduction to Analysis
- Mathematics 332—Introduction to Modern Algebra
- Mathematics 334—Introduction to Linear 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

## POLITICAL SCIENCE

### Area IV—30 hours

Foreign Language.....5-10 hours  
 Statistics 255, 256.....10 hours

Anthropology 150; Economics 250, 251, 260; Geography 250; History 252, 253; Justice Studies 251; Philosophy 150; Psychology 150; Sociology 150; up to 10 hours of 200-level or lower Political Science, except PSC 250 by transfer .....10 hours

#### Specific Requirements:

Political Science 250—American Government

Political Science 260—Introduction to Political Science

Seventy hours of upper-division course work.

Forty hours including a 400-level course from upper-division offerings in political science to be approved by advisor, with no course grades lower than a "C." Thirty hours in related areas from upper-division offerings approved by advisor.

The student must have a "C" average in courses taken in related areas. See Foreign Language.

## PSYCHOLOGY

### Area IV—30 hours

Psychology 150.....5 hours  
 Psychology 280.....5 hours

Foreign Language.....0-10 hours

Anthropology 150; Economics 250-251, 260;

History 252, 253; Justice Studies 251; Statistics 255; PHY 150; Psychology 284; Sociology 150  
 10-20 hours

#### Specific Requirements:

##### Foreign Language

Psychology 150—Introduction to Psychology

Psychology 210—Careers in Psychology

Psychology 280—Psychological Statistics I

Psychology 380—Psychological Statistics II

Psychology 382—Research Methods in

Psychology

Psychology 562. History and Systems of

Psychology

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

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

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

## 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

Statistics 255; 256; Economics 250, 251, 260;

Anthropology 150; Geography 250;

Philosophy 150; Psychology 150; or

Sociology 270 .....20-25 hours

#### Specific Requirements:

##### Foreign Language

Statistics 255—Statistics Using the Computer

Sociology 150—Introduction to Sociology\*

Sociology 270—Introduction to Social Welfare

(Social Work Emphasis only)

Sociology 380—Sociological Theory (Social Work emphasis may substitute Sociology 370.)

Sociology 381—Methods of Social Research

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.*

**EMPHASIS IN SOCIAL WORK**

This program is the same as the major in sociology as outlined above except that a minimum of 10 hours is required in Field Internship (SOC 492, 493, 494) and that in the 30 additional hours of upper division sociology, the following courses must be included.

Sociology 370—Social Welfare Policy and Services

Sociology 452—Community Organization

Sociology 453—Social Work as a Profession

Sociology 480—Sociology of the Family

**BACHELOR OF SCIENCE IN BIOLOGY**

The program provides a broad education in the sciences with special depth in biology. It prepares a student for work in biology, and its flexibility permits preparation for entrance to professional and graduate schools.

**GENERAL REQUIREMENTS**

This degree requires fulfillment of the core curriculum, a minimum of 48 hours from upper-division biology courses, completion of foreign language through the 153 level, three hours of health and four hours of physical education. A minimum of 190 hours is required for graduation.

**GENERAL EDUCATION REQUIREMENTS**

See Core Curriculum, Areas I,II,and III.

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

**AREA IV AND SPECIFIC REQUIREMENTS**

Area IV requirements of the core curriculum and specific requirements peculiar to this degree are listed below. (Some of the courses under specific requirements may be used in the core curriculum, especially in Area IV.)

**Area IV—30 hours**

Biology 281, 282.....10 hours

Chemistry 181, 182.....10 hours

Geology 151, 152; or

Physics 251 and 252 or 253; or

Physics 261 and 262 or 263 .....0-10 hours

Foreign Language, Level III.....0-10 hours

**Specific Requirements:**

Biology 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

Five hours from:

Biology 460—Plant Physiology or

Biology 481—Animal Physiology

Biology 472—Genetics

Biology 473—Ecology

Chemistry 181 and 182—General Chemistry

Chemistry 377 and 378—Organic Chemistry

Mathematics 151 and 152—College Algebra, Trigonometry\*\*

Ten hours in sequence from the following:

Geology 151, 152—General Physical Geology, General Historical Geology

Physics 251, 252, 253—General College Physics

Physics 261 and 262 or 263—General College Physics for Science, Engineering and Mathematics Students

Five hours from:

Mathematics 166—Analytic Geometry and Calculus I

Biology/Statistics 476—Statistical Methods I

Biology/Statistics 477—Statistical Methods II

Foreign Language

Twenty-five hours of upper-division biology.

With advisor's approval, these may include

Chemistry 586—Biochemistry.

In addition to these requirements, students pursuing the Bachelor of Science in Biology degree must have an average of "C" or better for all biology courses.

*\*Students who have earned credit for 30 hours of biology courses must have received credit for BIO 370, Cell Structure and Function, or must enroll in this course and receive credit for it before enrolling in any other biology courses.*

*\*\*Mathematics 165 may be substituted for Mathematics 151 and 152.*

**EMPHASIS IN BIOLOGICAL OCEANOGRAPHY**

This program is the same as the Bachelor of Science in Biology degree outlined above except for the following specific requirements:

Geology 562—General Oceanography

Physics 251 and 252 or Physics 261 and 262

Ten hours of approved upper-division biology electives must be taken at an approved marine station.

## BACHELOR OF SCIENCE IN CHEMISTRY

The program of study is designed to give the student broad coverage in general education with special depth in chemistry and supporting courses. The curriculum included in this program follows the recommendations of the American Chemical Society for the professional training of chemists and serves as an excellent pre-medical or pre-dental program.

### GENERAL REQUIREMENTS

This degree requires fulfillment of the core curriculum, 57 hours of upper-division chemistry, a foreign language, three hours of health and four hours of physical education. A minimum of 190 hours is required for graduation.

### GENERAL EDUCATION REQUIREMENTS

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

### AREA IV AND SPECIFIC REQUIREMENTS

Area IV requirements of the core curriculum and specific requirements (peculiar to this degree) are listed below. (Some of the courses under specific requirements may be used in the core curriculum, especially in Area IV.)

#### Area IV—30 hours

Chemistry 181, 182, 183, 261 ..... 10-20 hours  
Physics 261, 262, 263;  
Mathematics 165, 166, 167 ..... 10-20 hours  
Computer Science ..... 0-10 hours

#### Specific Requirements:

Chemistry 181, 182, 183—General Chemistry  
Chemistry 261—Quantitative Analysis  
Fifty-seven hours in chemistry which must include:  
Chemistry 362, 363—Instrumental Analysis I and II  
Chemistry 371, 372, 373—Organic Chemistry  
Chemistry 521—Chemical Literature  
Chemistry 554—Advanced Inorganic Chemistry  
Chemistry 581, 582, 583—Physical Chemistry  
Mathematics 165—Pre-Calculus Mathematics  
Mathematics 166—Analytic Geometry and Calculus I  
Mathematics 167—Analytic Geometry and Calculus II  
CSC 399—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 JUSTICE STUDIES

This degree program has been designed to give students a broad knowledge of subjects related to the administration of justice. Students are prepared to converse freely in the operational function of law enforcement, court procedures and correctional measures. They should be adequately prepared also to assimilate quickly those mechanical processes required in each of these areas.

### GENERAL REQUIREMENTS

This degree requires fulfillment of the core curriculum, 40 hours of upper-division courses from several disciplines, a minimum of 25 hours of upper-division justice studies courses, 3 hours of health and 4 hours of physical education. The student must have a "C" average in all upper-division requirements for graduation. Within the major, each student is afforded the opportunity to choose from a menu of upper-division level justice studies courses. Selection of courses must be planned carefully with the department head, the program director, or a designated academic advisor. A minimum of 190 hours is required for graduation.

### GENERAL EDUCATION REQUIREMENTS

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

### AREA IV AND SPECIFIC REQUIREMENTS

Area IV of the core curriculum and specific requirements peculiar to this degree are listed below. (Some of the courses under requirements may be used in the core curriculum, especially in Area IV.)

**Area IV—30 hours**

Justice Studies 251 and 252 .....10 hours  
 Sociology 150 or Psychology 150 .....5 hours  
 Humanities/Social Sciences .....5 hours

Ten hours from:

Statistics 255 .....5 hours

Computer Science 256;

Computer Information Systems 251

or

Foreign Language .....5-10 hours

**Specific Requirements:**

20 hours from:

Justice Studies/Sociology 354—Drugs, Gangs  
 and Criminal Justice

Justice Studies 361—Evidence

Justice Studies 362—Criminal Procedure

Justice Studies 363—Juvenile Justice

Justice Studies 364—Comparative Industrial  
 Security

Justice Studies 365—Advanced Corrections

Justice Studies 367—Advanced Criminal

Investigation

Justice Studies 453—Offender Counseling  
 and Support

Justice Studies 461—Seminar .....5 hours

Justice Studies 472—Senior Project .....5 hours

or

Justice Studies 491, 492, 493—

Internship\* .....5 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  
 Governmental Powers .....10 hours

Five hours from:

Political Science 363—Scope and Methods in  
 Political Science

Sociology 381—Methods of Social Research

Five hours from:

Political Science 356—African-American Politics

Political Science 359—Constitutional Law II  
 Civil Liberties

Political Science 371—Native American Law  
 and Public Policy

Political Science 372—Women and Politics

History 353—African American History Since  
 1877

*\*If the student opts not to take internship (JS 491,  
 492, 493), he/she must take Justice Studies 472 and  
 two upper-division courses with consent of advisor.*

## ASSOCIATE OF APPLIED SCIENCE IN JUSTICE STUDIES

The Associate degree is designed to meet the needs of justice studies practitioners—that is, those who are engaged in full-time employment in a city, county, state or federal agency devoted to law enforcement, courts, or corrections. Upon completion of the program, it is expected that the student will be better equipped to further professionalism in area criminal justice agencies.

### GENERAL REQUIREMENTS

A student may transfer into the program, from an approved college or university, up to 35 quarter hours credit, to include only 15 quarter hours of justice studies in Area IV. The student must complete all courses listed as Specific Requirements at Georgia Southern University.

### GENERAL EDUCATION REQUIREMENTS

#### Area I—10 hours

English 151. English Composition

English 152. English Composition

#### Area II—10 hours

Five hours of college-level mathematics

Five hours of science or mathematics

#### Area III—20 hours

History 253. The U.S. Since 1877

Political Science 250. American Government

Sociology 150. Introduction to Sociology

Psychology 150—Introduction to Psychology

### AREA IV AND SPECIFIC REQUIREMENTS

Area IV of the core curriculum and specific requirements peculiar to this degree are listed below.

#### Area IV—25 hours

Speech 251—Fundamentals of Public Speaking

Justice Studies 252—Introduction to Corrections

Justice Studies 261—Crimes

Justice Studies 263—Police Administration

Justice Studies 264—Fundamentals of Proof

#### Specific Requirements:

History 274—The Black American

Political Science 251—The American Legal  
 System

Justice Studies 255—Introduction to Offender  
 Rehabilitation

Justice Studies 266—Issues in Criminal Justice  
 Justice Studies 277—Pre-degree Research Paper

**BACHELOR OF SCIENCE IN MATHEMATICS**

In addition to the major in mathematics offered under this degree, the student may choose an emphasis in computer science.

**GENERAL REQUIREMENTS**

This degree requires fulfillment of the core curriculum, completion of the third course (Elementary III) of a foreign language,\* three hours of health and four hours of physical education. A minimum of 190 hours is required for graduation. A grade of "C" or above is required for credit on each 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**

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

**AREA IV AND SPECIFIC REQUIREMENTS**

Area IV requirements of the core curriculum and specific requirements peculiar to this degree are listed below. (Some of the courses under specific requirements may be used in the core curriculum, especially in Area IV.)

**Area IV—30 hours**  
 Calculus through Mathematics 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—Scientific Programming  
 An additional 15 hours in mathematics from upper-division offerings approved by advisor.

**EMPHASIS IN COMPUTER SCIENCE**

For the emphasis in computer science, the specific requirements are as follows:

Mathematics 166—Analytic Geometry and Calculus I  
 Mathematics 167—Analytic Geometry and Calculus II  
 Mathematics 264—Calculus III  
 Mathematics 265—Calculus IV  
 Mathematics 220—Applications of Linear Algebra  
 Mathematics 251—Discrete Math for Computer Science  
 Mathematics 334—Introduction to Linear Algebra  
 Mathematics 338—Introduction to Probability  
 Mathematics 454—Mathematical Models and Applications  
 Mathematics 580—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.

## DUAL-DEGREE PROGRAM

Georgia Southern University offers a dual degree program with Georgia Institute of Technology. The student will attend Georgia Southern for approximately three years studying one of the following areas: chemistry, mathematics, or physics. Then the student will continue his/her studies at Georgia Institute of Technology for an additional two years in any of the engineering fields. At the end of the entire program, the student will receive two Bachelor's degrees, one from Georgia Southern and one from Georgia Institute of Technology. This program gives the student the opportunity to develop a liberal arts background before completing his/her education in a highly technical environment. Students should work closely with the Dual-Degree Program advisor, Dr. Arthur Woodrum, since careful planning of the program is necessary from the beginning.

### Dual-Degree requirements include:

1. Complete 145 quarter hours at Georgia Southern including core curriculum courses and specific requirements for a major in chemistry, mathematics, or physics.
2. Obtain a recommendation from the Dual Degree Program advisor.
3. Maintain a college GPA which meets the requirements for transfer students of Georgia Institute of Technology.
4. Complete a study program at Georgia Institute of Technology required of juniors and seniors in a chosen field of engineering.

## PRE-PROFESSIONAL PROGRAMS

### PRE-LAW

Many students plan to enter law school upon completion of an undergraduate degree. However, there is no degree program or group of courses that will guarantee a student admission to law school. Admission to law school is determined by a combination of a student's grades, courses, letters of reference, life experiences, and score on the Law School Admissions Tests (LSAT). Most law schools recommend that undergraduate students select rigorous, fairly broad programs of study in which a great deal of writing is required. The principal academic advisement is provided by the department within which the student chooses to major. However, Georgia Southern also has three pre-law advisors with current information regarding law schools

available to offer additional counsel to pre-law students. They are Dr. Lynda Hamilton, Department of Accounting and Law, and Dr. G. Lane Van Tassell, Department of Political Science. Pre-law students should contact one of the pre-law advisors to assist them in planning a course of study that will enhance their ability to pursue a career in law.

### PRE-AGRICULTURE

Georgia Southern University, in cooperation with the College of Agriculture, University of Georgia, has developed joint programs of study for students interested in pursuing a degree and a career in one of the agricultural sciences. The programs are designed to enable students to obtain special training in preparation for careers in agriculture. The student electing a pre-agriculture program of study follows a prescribed curriculum, depending on the intended major, at Georgia Southern University during the freshman and sophomore years (90 to 105 quarter hours). Thereafter, the student transfers to the College of Agriculture, University of Georgia, to complete the program of study in agriculture (90 or more quarter hours). Dr. Marcia Jones, College of Business Administration, is the advisor for students electing one of the following pre-agriculture programs:

Agricultural Economics  
 Agricultural Education  
 Agricultural Extension  
 Agricultural Journalism  
 Agronomy  
 Animal Science  
 Dairy Science  
 Food Science  
 General Agriculture  
 Horticulture  
 Plant Pathology/Plant Genetics  
 Poultry Science  
 Agricultural Engineering  
 Agricultural Mechanization  
 Environmental Health  
 Entomology

### PRE-FORESTRY (TWO-YEAR)

Georgia Southern University, in cooperation with the School of Forest Resources, University of Georgia, has developed a joint program of study for students interested in pursuing a degree and career in forestry. Students 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, the student completes 103 to 108 hours. This curriculum is designed to qualify students for transfer to the School of Forest Resources in order to complete the program of study in forestry with concentration in any of the following study areas: wildlife management, fisheries, forest biology, forest business, forest policy and recreation, soil and water resources, timber management, and forest sciences. The University of Georgia School of Forest Resources accepts students into their forestry program only during fall and winter quarters. Only students with an overall GPA of 2.5 or above are accepted. The advisor to the pre-forestry program at Georgia Southern is Dr. Kishwar Maur, Department of Biology.

Biology 161 and 162.....	10 hours
Chemistry 181 and 182.....	10 hours
Computer Science 230 or 232.....	3 hours
Economics 251.....	5 hours
English 151 and 152.....	10 hours
<b>Humanities electives:</b>	
Art (100-200 level); Art 160; Drama (100-200 level); English 251, 252, 351 or 362; Language (100-200 level); Music 152; or Philosophy 150.....	
	5 hours
Mathematics 152 or 165.....	5 hours
<b>Mathematics/Science electives:</b>	
Biology 281 or 282; Geology 151 or 152; Math 151 or 152; or Physics 251 or 252.....	
	10 hours
Political Science 250.....	5 hours
<b>Social Science Electives:</b>	
Anthropology 150; Economics 250; Geography 250; History 152, 153, 252, or 253; Psychology 150; Sociology 150.....	
	10 hours
Health 131.....	3 hours
Physical Education activities (4 courses)*.....	4 hours
Speech (CAS 251).....	5 hours
<b>Other electives:</b>	
Biology 281 or 282** Chemistry 377,** or Physics 251 or 252**.....	
	5 hours

\*May be taken at the University of Georgia

\*\*Any one of these courses may be substituted for Physics 252: Bio 281,282; CHE 362, 363, 380; CSC 281; GGY 350 or 360; GLY 151, 152; MAT 155, 167, 467

**PRE-MEDICINE, PRE-DENTISTRY, AND PARA-MEDICAL PRE-PROFESSIONAL PROGRAMS**

Students intending to prepare for medicine, dentistry, pharmacy, medical technology and other para-medical fields should conform to the course of study covering their respective pre-professional requirements as prescribed in the catalogs of the institutions in which they plan later to enroll. The following programs are suggestive only; program details should be worked out with the assistance of the appropriate faculty advisor considering the student's personal plans.

Students planning to complete the medical technology program are advised by Dr. David Foulk, Department of Health Science. These students complete the program described later in this catalog.

Students interested in pre-pharmacy typically do not complete a bachelor's degree program at Georgia Southern University, but take courses appropriate for admission to professional schools. Students interested in pre-optometry typically complete a bachelor's degree program, but some may complete all of the course requirements in three years. For students in each of these areas, the University provides advisors who assist them in planning their schedules. Advisors also write letters of recommendation for them to the professional schools.

**These advisors are:**

Pre-Pharmacy.....	Dr. Robert Boxer, Department of Chemistry
Pre-Optometry.....	Dr. Donald Drapalik, Department of Biology

Students intending to prepare for medicine, dentistry, or veterinary medicine must select a course of study leading to a bachelor's degree in an academic area. Any major may be selected as long as the student is careful to complete courses recommended by the professional schools as well as those required for completion of the student's bachelor's degree program. Students must be advised by an academic advisor in their major area.

**These advisors are:**

<b>Pre-Medicine:</b>	
Biology majors.....	Dr. Sara Bennett
Chemistry majors.....	Dr. Bill Ponder
Physics majors.....	Dr. Arthur Woodrum
Other majors.....	contact specific department
<b>Pre-Dentistry:</b>	
Biology majors.....	Dr. Wayne Krissinger
Chemistry majors.....	Dr. Bill Ponder
Physics majors.....	Dr. Arthur Woodrum

Other majors .....contact specific department  
 Pre-Veterinary Medicine:

.....Dr. Frank French,  
 Department of Biology

Students in the pre-dental and pre-medical pro-  
 grams will work closely with Dr. Sara Bennett, who  
 maintains liaisons with dental and medical schools.

All students in para-medical disciplines other  
 than pre-medicine and pre-dentistry should, when  
 seeking admission to their respective schools, con-  
 tact their advisors for letters of recommendation.  
 Letters of recommendation for pre-medical and  
 pre-dental students are prepared by the  
 Medical/Dental Admissions Review Board, as  
 required by most medical schools. Students desir-  
 ing letters should contact the chair, Dr. Sara  
 Neville Bennett, Department of Biology, to  
 arrange for an interview with the board. Interviews  
 normally are held during spring and fall quarters of  
 the year preceding the year of entry into the pro-  
 fessional school. Students anticipating participa-  
 tion in early acceptance programs should advise  
 Dr. Bennett of their intentions and should be inter-  
 viewed during spring quarter. Under no circum-  
 stances will letters be written for students by in-  
 dividual members of the Board. Competition for  
 admission is such that favorable letters cannot be  
 written for pre-dental students with less than 2.8  
 grade point average nor for pre-medical students  
 with less than 3.0 grade point average except  
 under unusual or extenuating circumstances. Pre-  
 medical students should also have a satisfactory  
 score on the MCAT. The foregoing are minimum  
 criteria for an application to be considered favor-  
 ably by dental and medical schools. These mini-  
 mum criteria do not ensure acceptance into the  
 respective schools.

**PRE-PHARMACY (TWO-YEAR)**

After three (3) quarters of attendance, a pre-phar-  
 macy 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.
- Total.....100-105 hours

**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 optome-  
 try school.

Direct individual inquiries are invited by the  
 American Optometric Association, Department of  
 Public Affairs, 243 N. Lindbergh Blvd., St. Louis,  
 Missouri 63141 (Telephone (314) 991- 4100).

**PRE-MEDICINE**

- Biology 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

## COURSE DESCRIPTIONS

### COLLEGE OF ARTS AND SCIENCES

Dr. Leo Parrish, Acting 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.

**S/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 SOUTH-EASTERN 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 459—AMERICAN BIOGRAPHY**

See HIS 459 for course description.

**AS/HIS 462—AMERICAN ECONOMIC HISTORY**

See HIS 462 for course description.

**AS/HIS 465—THE BIRTH OF THE REPUBLIC**

See HIS 465 for course description.

**AS/HIS 481—CONSTITUTIONAL HISTORY OF THE UNITED STATES**

See HIS 481 for course description.

**AS/AAS/MUS 360—HISTORY OF JAZZ**

See MUS 360 for course description.

**AS/MUS 554—MUSIC OF THE UNITED STATES**

See MUS 554 for course description.

**AS/PHI 375—AMERICAN PHILOSOPHY**

See PHI 375 for course description.

**AS/AAS/PSC 356—AFRICAN AMERICAN POLITICS**

See PSC 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: S. Moore, R. Persico

Assistant Professors: S. Hale, B. Hendry

**ANT 150—INTRODUCTION TO ANTHROPOLOGY**

An overview of general anthropology including its major sub-disciplines: cultural anthropology, archaeology, linguistics and biological anthropology. The course is a comparative study of humankind as a whole. It draws examples from the widest possible sample of peoples, cultures, and time periods to determine and explain the similarities and differences among peoples of the world.

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

See FL 350 for course description.

**ANT 351—WORLD ARCHAEOLOGY**

Introduction to the archaeology of selected communities of the Old and New Worlds and the beginnings of cultural development. Prerequisite: ANT 150 or permission of instructor.

**ANT 352—BIOLOGICAL ANTHROPOLOGY**

The interaction of biological and cultural forces in shaping human behavior and physical diversity. Key areas of study include biocultural evolution, primatology and racial differentiation. Prerequisite: ANT 150 or permission of instructor.

**ANT 353—CULTURAL ANTHROPOLOGY**

The study of culture as the principal adaptive

mechanism of human societies: its nature, structure and dynamics. Prerequisite: ANT 150 or permission of 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**

A study of the archaeology of the Southeastern U.S. This course will provide an overview of the prehistoric cultures of the region including their patterns of subsistence, economy, social and political organization, art, and architecture. The relationship between culture and environment in producing culture changes 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 SOUTH-EASTERN 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/SOC 464—CULTURE AND PERSONALITY**

See SOC 464 for course description.

#### **ANT/AAS 465—PEOPLES AND CULTURES OF AFRICA**

A comparative study of the lifeways of African peoples south of the Sahara. Traditional cultures, modern development and the course of culture change in various regions are covered. Prerequisite: ANT 150 or permission of instructor.

#### **ANT 468—CULTURE AND PSYCHOPATHOLOGY**

Examination of mental illness from a cultural and social perspective. Epidemiological evidence relating to cultural and social variation in definition, identification and treatment. The subcultures of psychosis and treatment systems. Examination of theories of the relationships between culture and psychotic syndromes. Prerequisite: PSY 364 or permission of the instructor.

#### **ANT 470—APPLIED ANTHROPOLOGY**

A survey of the fields of applied anthropology including career options. Concepts and knowledge from all areas of anthropology are brought to bear on social and cultural issues and problems accompanying change, development and modernization. Prerequisite: ANT 150 or permission of instructor.

#### **ANT 475—ETHNOGRAPHIC FIELD METHODS**

A study of techniques of gathering, recording, ordering, and utilizing ethnographic data in the field. Prerequisite: ANT 150.

#### **ANT 481—METHODS AND THEORY IN ARCHAEOLOGY**

Designed to augment Anthropology 491 but may be taken singly. Examination and application of current topics in archaeology relating to excavation strategy and interpretation. 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 5463—SOCIOLINGUISTICS**

See ENG 5463 for course description.

#### **ANT 582—COMPARATIVE SOCIAL STRUCTURES**

A cross-cultural examination of design in the

social structure of societies; problems of comparative ethnography and the minimal structures for societal maintenance and survival. Prerequisite: ANT 150.

#### **ANT 583—ETHNOLOGICAL THEORY**

The study of the major theories of culture: evolutionary approach, culture area, historical analysis, functionalism, role structures and comparative methods. Prerequisite: Anthropology 150.

#### **ANT 591—FIELDWORK IN HISTORICAL ARCHAEOLOGY**

This course is designed to familiarize students with basic archaeological field techniques within the context of an ongoing archaeological excavation. Students will participate in mapping, field drawing, excavation, processing and cataloging artifactual materials from a multicomponent site. The fieldwork will be an intensive introduction to practical archaeology.

#### **ANT/AS 599—SELECTED TOPICS IN ANTHROPOLOGY**

### **ART**

Courses in art are offered by the Department of Visual Arts.

R. Tichich, Chair

Professors: S. Bayless (Emeritus), F. 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

Assistant Professors: B. Little, R. Sonnema,  
P. Walker

Temporary Assistant Professors: M. Cochran,  
S. Palmisano, Iris Sandkühler

Instructors: L. Hale (on leave)

#### **SENIOR EXHIBITION**

Candidates seeking a B.A., B.F.A. or B.S. Ed. degree in art are required to present a senior exhibition of their art work which will be reviewed by a faculty committee and should be presented within the last two quarters of study in the art department.

#### **ART 151—DRAWING I**

An introduction to the basic materials and methods of drawing. Students will develop skills in direct observation, composition, and techniques using still-life and natural forms.

**ART 152—TWO-DIMENSIONAL DESIGN**  
Emphasizes two-dimensional design through

analysis of line, texture, color, size, shape and mass. Individual experiences with a variety of media.

#### **ART 160—ART IN LIFE**

A general introduction to art and aesthetics and their role in human life and culture. Includes discussion and analysis of architecture, sculpture, painting, ceramics, drawing, 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 pre-historic 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 401, 402, 403—PORTFOLIO**

To be taken the last three quarters in residence, the course is worth one credit hour per quarter. The entire sequence need not be taken. The course includes preparation of resumes, portfolio slides for graduate school entrance requirements, preparation and presentation of works for juried and non-juried exhibitions, and oral examinations.

**ART 450—ADVANCED PAINTING**

Advanced problems in painting. Prerequisite: ART 350 or permission of instructor. Four double periods per week.

**ART 451—ADVANCED DRAWING**

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

**ART 452—COMMERCIAL DESIGN**

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

**ART 454—ADVANCED PRINTMAKING**

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

**ART 455—ADVANCED CERAMICS**

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

**ART 456. ADVANCED SCULPTURE**

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

**ART 458—ADVANCED PHOTOGRAPHY**

Intensive exploration of a variety of photographic methods to achieve an advanced level of personal

expression and an understanding of aesthetics. Prerequisite: ART 358 or consent of instructor.

**ART 480—SEMINAR IN FINE ARTS.**

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

**ART 481—CONTEMPORARY ART**

Study of the major issues, trends and personalities in the visual arts within the last decade. Prerequisites: ART 280 and ART 281 or consent of instructor.

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

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

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

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****BIOLOGY**

Courses in Biology are offered by the Department of Biology.

J. Parrish, Chair

Professors: S. Bennett, J. Boole (Emeritus), J. Diebolt, F. French, D. Hagan, E. Hibbs (Emeritus), W. Krissinger, B. Lovejoy (Emeritus), S. McKeever (Emeritus), J. Oliver, J. Parrish

Associate Professors: J. Claiborne, J. Copeland, D. Drapalik, D. Gantt, K. Maur, D. McLain, L. Wagner

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

Temporary Assistant Professors: S. Malone, C. Ready

Adjunct Professors: W. Caster, 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. Week-end 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 population genetics, natural selection and speciation. Prerequisites: 15 hours of biology or consent of instructor.

**BIO 466—MAMMALOLOGY**

Classification, evolution, distribution, and life histories of mammals with emphasis on mammals of Georgia. The laboratory includes identification and preparation of specimens and the practice of field techniques. Field trips required. Four lecture and three laboratory hours per week. Prerequisites: Biology 281 and 282. Biology 382 recommended. Offered in alternate years.

**BIO 468—ICHTHYOLOGY**

Lecture will emphasize the systematics, evolution, biology, ecology, and behavior of recent and extinct fishes. Laboratory work will emphasize the identification, morphology, and natural history of fishes. Prerequisite: Biology 281 or consent of instructor.

**BIO 470—NEUROBIOLOGY**

Introduction to the biology of the nervous system. Topics include mechanisms of neural responses, neural integration, neural development and environmental effects on developing and mature nervous systems. Prerequisite: Biology 370 or permission of instructor. Biology 481 recommended.

**BIO 472—GENETICS**

The study of inheritance at the biochemical, cytological, organismic and population levels in sexually reproducing organisms. The laboratory is investigative in nature. Three lecture and four laboratory 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 ACAROLOGY**

An introduction to the morphology, systematics, physiology, behavior, and ecology of mites and ticks. Special emphasis is placed on ticks and parasitic mites and their relationships to man, other animals, and plants. Three lecture and four laboratory hours per week. Prerequisites: 30

hours of biology and permission of instructor.

#### **BIO 553—IMMUNOLOGY**

A detailed study of the structure and biology of antigens, immunoglobulins and complement, and of methods for their detection. The cellular basis of the immune response is studied in depth. Immediate and delayed hypersensitivity and immunization and its consequences are discussed. Three lecture and four laboratory hours per week. Prerequisites: BIO 370, 472 and CHE 378 or consent of instructor.

#### **BIO 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 MICROTÉCHNIQUE**

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

### BROADCASTING

See COMMUNICATION ARTS

## 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, R. Mauldin, J. Orvis, J.N. Orvis,

N.Schmidt, B. Wojciechowski

### 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 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 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 lec-

tures and one four-hour laboratory per week in CHE 586 and CHE 587. Five lectures (no lab) per week for CHE 588. Prerequisites: CHE 371, 372, 373 or CHE 377, 378.

### **COMMUNICATION ARTS**

Courses in 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 (Emerita)

Associate Professors: G. Dartt, H. Fulmer,

D. Gibson, R. Johnson

Assistant Professors: P. Bourland, C. Geyerman,

B. Graham, D. Kluever, B. Merrick,

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

J. Williams, E. Wyatt

Instructors: D. Burns (on leave), J. Burns (on leave), B. Fields

### **CA 210—COMMUNICATION CONVOCATION**

An entry-level course for those pursuing the Bachelor of Science in communication arts and journalism. It is intended to acquaint the student with the variety of subject matter available in the discipline and with the faculty of the department.

### **CA 250—INTRODUCTION TO MASS COMMUNICATION**

An introduction to print and electronic mass communication as well as media-related professions. The course surveys the media's historical development in the United States, structure, social roles and theories. Prerequisite: ENG 151.

### **CA 252—INTRODUCTION TO HUMAN COMMUNICATION**

A beginning course designed to help students understand the nature of the communication transaction in its various forms: interpersonal, public, small group, 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**

See IS 352 for course description.

**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 dramatic productions. Prerequisites: CAB 444 or CAT 255.

#### **CAB 427—VIDEO ELECTRONIC GRAPHICS**

Students will learn about the various Digital

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

#### **CAB 444—TELEVISION PRODUCTION**

An introduction to basic television equipment and elements of studio operation. Students will participate in various studio jobs while producing several laboratory programs.

#### **CAB 445—ADVANCED TELEVISION PRODUCTION**

A course to offer project work for advanced students in various facets of television production. Students will produce and direct various types of programs. Prerequisite: CAB 444.

#### **CAB/CAJ 446—RADIO AND TELEVISION NEWS AND INTERVIEWING**

A laboratory course designed to provide the student with techniques and experiences in facets of presentation of news and interviews for radio and television. Prerequisite: CAJ 252.

#### **CAB/CAJ 447—RADIO AND TELEVISION SCRIPT WRITING**

A practical course providing the principles and techniques necessary for adapting the principles of writing to radio and television.

#### **CAB 448—ADVANCED RADIO PRODUCTION**

A course for advanced students to increase proficiency in radio production techniques. Students will produce commercials and simulated-live programs in the style of professional broadcast stations.

#### **CAB 449—INDUSTRIAL MEDIA PRODUCTIONS**

This course will study the application of video productions to industrial settings. Students will study the objectives of production as well as the methods of production development. Students will also study the interrelation and utility of multi-media presentations. Prerequisites: CAB 445 and CAB 447, or permission of instructor.

#### **CAB/SM 455—SPORT BROADCASTING**

A course designed to teach broadcasting techniques specific to sports. Includes lecture, discussion, and simulated broadcasts by students.

#### **CAB 491—INDIVIDUAL PROBLEMS**

Designed to offer students an opportunity to design and carry out an independent research and/or performance project in their areas of spe-

cial need or interest. May be taken one to five times with credit depending on the complexity of the proposed project ranging from one to five hours credit. A maximum of five hours credit may be earned in independent study.

#### **CAB 493, 494, 495—INTERNSHIP I, II, III**

May be taken only by Communication Arts majors whose emphasis is Broadcasting. Provides practical experience on a full-time basis in a radio or television station.

#### **CAB 541—BROADCAST FEATURE REPORTING**

This course is designed to prepare students for the research needs, styles of presentation, applications to differing topics, and methods of producing video feature reports for differing broadcast markets. This course is a continuation of CAB 446 with focus on the news feature.

Prerequisite: CAB 446.

#### **CAB 599—SELECTED TOPICS IN BROADCASTING**

### **FILM**

#### **CAF 256—INTRODUCTION TO THE CINEMA**

A study of the basic elements of effective film production including 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 AMERICAN NEWSPAPERS**

A survey of contemporary U.S. newspapers, emphasizing a number of the more important dailies and trends in the business.

#### **CAJ 348—MAGAZINE WRITING, 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 in reporting public affairs, with emphasis on the responsible news coverage of city, county and state government. Prerequisite: CAJ 343.

**CAJ 443—SUBJECTIVE JOURNALISM**

An analysis of the role of opinion in journalism, including editorials, columns, and cartoons; and exposure to the processes of researching information and writing subjective journalism. Prerequisite: CAJ 343.

**CAJ 445—FEATURE WRITING**

The preparation for and writing of special feature stories and in-depth news stories for newspapers and magazines, emphasizing research, investigation, and interview techniques. Prerequisite: CAJ 343.

**CAJ/CAB 446—RADIO AND TELEVISION NEWS AND INTERVIEWING**

A laboratory course designed to provide the student with techniques and experience in facets of presentation of news and interviews for radio and television. Prerequisite: CAJ 252.

**CAJ/CAB 447—RADIO AND TELEVISION SCRIPT WRITING**

A practical course providing the principles and techniques necessary for adapting the principles of writing to radio and television.

**CAJ 492—INDIVIDUAL PROBLEMS**

Designed to offer students opportunities to design and carry out independent research and/or projects in their areas of special need or interest. May be taken one to five times, with credit depending on the complexity of the proposed project ranging from 1-5 hours credit. A maximum of five hours credit may be earned in independent study. Prerequisite: permission of instructor.

**CAJ 493, 494, 495—INTERNSHIP I, II, III**

Junior or senior standing with a 3.0 grade point average is recommended. Prerequisite: recom-

mendation of the journalism faculty and approval of the department head. Credit: 1-15 quarter hours as determined by the faculty.

**CAJ 599—SELECTED TOPICS IN JOURNALISM****PUBLIC RELATIONS****CAP 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.

**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 or permission from instructor.

**CAP 399—SELECTED TOPICS IN PUBLIC RELATIONS**



### **CAP 440—PUBLIC RELATIONS CAMPAIGN STRATEGIES**

An advanced course in which students analyze cases and apply principles, processes, and theories of public relations to the execution of campaigns. Prerequisites: CAP 340 and CAP 342 or 445.

### **CAP 445—PUBLIC OPINION AND RESEARCH**

Exploration of the roles and interrelationships of public opinion, persuasion and public relations, and their impact in business and professional settings. How to gather, analyze and use public opinion as a public relations practitioner. Prerequisites: CA 250 and CAP 340.

### **CAP 491—INDIVIDUAL PROBLEMS**

Designed to offer students opportunities to design and carry out independent research and/or performance projects in their areas of special need or interest. May be taken one to five times, with credit depending on the complexity of the proposed project ranging from one to five hours credit. A maximum of five hours credit may be earned in independent study.

### **CAP 493, 494, 495—INTERNSHIP I, II, III**

May be taken only by Communication Arts majors whose emphasis is Public Relations. Provides practical experience on a full-time basis in a PR office.

### **CAP 599—SELECTED TOPICS IN PUBLIC RELATIONS**

## **SPEECH COMMUNICATION**

### **CAS 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 lit-

erature. 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 non-verbal 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****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-rela-

tionship 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.

**CLT/ENG 3480—INTRODUCTION TO COMPARATIVE LITERATURE**

An introduction to an application of theories, methods, and topics relevant to the comparative study of literature. Discussion of genre, period, theme, and influence; of interaction between Western and non-Western traditions in literature, including post-colonial literature; of feminist, African-Americanist, deconstructionist and other theoretical reassessments of the literary canon; of aspects in the international reception of literary works, and of problems of translation.

Prerequisites: ENG 251 plus either ENG 252 or ENG 253.

**CLT/ENG 4490—SEMINAR IN COMPARATIVE LITERATURE**

Detailed study of a specific literary topic dealt with from a comparative standpoint. Readings drawn from a variety of non-English languages, one of which the students are expected to read in the original. Prerequisite: permission of the instructor.

**DIVISION OF LEARNING SUPPORT**

Courses in Learning Support are offered by faculty members in the College of Arts and Sciences.

C. Ricker, Chair

Associate Professor: L. Arthur, B. Bitter

(Emerita), D. Purvis, C. Ricker

Assistant Professors: S. Boddiford, B. Carter, R. Clark (on leave), 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, P. Swartz, 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, N. Saye, G. Shultz (on leave), M. Sikes, D. Stapleton, J. Taulbee, D. Tuggle, J. Weisenborn, D. Westcot, L. Yocco

Temporary Instructors: A. Hodge, D. Hodges, M. Mills, A. Sawyer, P. Whitaker

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

Description of the program (see Learning Support).

Description of GSU 220, Methods of Learning (see Learning Skills Course).

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

Designed to prepare students for the reading section of the Regents' Test, classes are structured so as to offer intensive work in the reading skill areas tested on the Regents' Test, including vocabulary and literal, inferential, and analytical comprehension. Students who have not passed the Regents' Reading test by the time they have earned 75 hours of degree credit shall be required to take this course. Institutional credit only, 3 hours.

#### **RDG 099 a, b, c, d—READING DEVELOPMENT**

Designed to prepare students for college-level reading, Reading Development emphasizes expanding vocabulary, improving comprehension and increasing the reading rate. Efforts also will be made to help students cultivate effective study skills. A student may exit at the end of any quarter by passing the course and achieving a satisfactory score on the exit examination. Institutional credit only, 5-20 hours.

#### **ENG 099 a, b, c, d—COMMUNICATION SKILLS**

Designed to help students develop language skills necessary for entering regular college English courses, Communication Skills emphasizes grammar, sentence structure, paragraph and short theme writing. Because the courses are developmental, a student may exit at the end of any quarter by passing the course and achieving a satisfactory score on the exit examination. Institutional credit only, 5-20 hours.

#### **MAT 095—ALGEBRAIC CONCEPTS**

This course is designed for students who are not required to enroll in Learning Support mathematics but who need some review prior to entering the core curriculum mathematics course. Algebraic Concepts consists of a study of the real number system, first and second degree equations and their applications, rational expressions, exponents and polynomials, radicals, graphing, and functions. This course carries only institutional credit.

#### **MAT 098 a, b, c—ELEMENTARY ALGEBRA**

The first of two courses designed for students who are not prepared to enter a college core curriculum mathematics course, Elementary Algebra consists of a study of the structure of the real number system, properties of real numbers, first degree equations and inequalities, applications, exponents and polynomials. Students will be placed in MAT 098 or MAT 099 according to results of a sub-score on the CPE or a placement test administered by the department. 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.

#### **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),

P. LaCerva, D. Lanier (Emerita),

E. Little (Emeritus), T. Lloyd, D. Purvis,

F. Richter, D. Thomson, T. Warchol

Assistant Professors: E. Agnew, E. Bolick,

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

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

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

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 Professors: K. Csengeri,  
P. Pimomo

Instructors: K. Albertson, G. Bess (on leave),  
N. Dessommes, M. Franklin, B. Freeman,  
M. Fuller, T. Giles, E. Hendrix, D. Hooley,  
N. Huffman, K. McCullough, M. Pate, P. Price,  
N. Saye, V. Spell, P. Swartz, V. Trussel

Temporary Instructors: S. Baker, R. Bohler,  
P. Deal, S. Brannen, B. Hamblin, A. Hodge,  
M. Mills, L. Milner, M. Racine, C. Rogers,  
J. Tipton, L. VonBergen

Part-time Instructors: C. Carter, 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 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 quar-

ters 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 themes that are relatively free from serious grammatical faults. 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 will emphasize 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.

### ENG 151—ENGLISH COMPOSITION

A course concentrating on developing the student's skills in thinking, reading, and writing. Emphasis is placed on reading and understanding prose selections and on writing clear, logical, well-structured essays that are relatively free from serious grammatical faults. The course includes a research paper. **NOTE:** *The University requires that ENG 151 be completed with a minimum grade of "C" before the student may enroll in ENG 152.*

### ENG 152—ENGLISH COMPOSITION

A course concentrating on refining the student's skills in critical thinking, reading, and writing. Emphasis is placed on the study of literary genres and on writing longer essays than those required in ENG 151. The course includes a review of the Regents' Test Essay. **NOTE:** *The University requires that ENG 152 be completed with a minimum grade of "C" before the student may enroll in ENG 251, ENG 252, or ENG 253.*

### ENG 251—THE HUMAN IMAGE IN LITERATURE OF THE WESTERN WORLD I

A study of literature from the ancient world of the Greeks, the Romans and the Hebrews. The

concept of the hero and values associated with heroism/courage, duty, fidelity, sacrifice, and loyalty to the community are examined through drama, myth, song and story. Prerequisites: ENG 151 and 152.

**ENG 252—THE HUMAN IMAGE IN LITERATURE OF THE WESTERN WORLD II**

A study of British and European masterpieces of the Middle Ages and Renaissance, reflecting what the early Christian centuries added to the wisdom of the classical world and anticipating attitudes and values characteristic of the modern world. The pilgrimage, the quest as a form of heroic activity, and the concept of chivalry are examined. Prerequisites: ENG 151 and 152.

**ENG 253—THE HUMAN IMAGE IN LITERATURE OF THE WESTERN WORLD III**

A study of British, European, and American masterpieces of the 18th-20th centuries, when the scientific enlightenment and subsequent changes in technology, education and politics altered centuries-old traditions and modes of experience. Emphasis is on the emergence of the modern hero as a figure at odds with his community and alienated from a "mass society." Prerequisites: ENG 151 and 152.

**ENG 262—WOMEN AND LITERATURE**

A study of the literature by and about women which reflects some of the myths, legends, and social forces molding the female character and affecting both sexes over the centuries. Prerequisite: ENG 151.

**ENG 266—LOVE AND SEX IN LITERATURE**

Novels, short stories, poems, nonfiction prose, and films selected from various times and places to illuminate the range of intimate human relationships. Prerequisites: ENG 151 and ENG 152.

**ENG 271—TECHNICAL WRITING AND PRESENTATION**

A scientific or objective approach to writing and technical presentation. Students will learn how to write technical papers and other types of practical prose and how to give reports. Prerequisites: ENG 151 and 152.

**ENG 290—INTRODUCTORY READINGS IN LITERATURE**

Students will read four or more works in an area or author chosen by the instructor. The course will introduce students to the ways major literature communicates an awareness of human

behavior and possibilities. Emphasis will be placed on close textual readings, classroom discussions, and short written reactions to the works covered. Two hours academic credit. (Only six hours of credit will apply to a degree.)

*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/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.

**ENG 3451—ENGLISH LITERATURE**

A survey of English literature from Beowulf to the Romantic Movement.

**ENG 3452—ENGLISH LITERATURE**

Continuation of 351. Survey of English literature from the Romantic Movement to the modern period.

**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 will also address formal distinctions and affinities between literature and cinema.

**ENG/AS 3461—AMERICAN LITERATURE**

A survey of American literature from the beginning to 1865.

**ENG/AS 3462—AMERICAN LITERATURE**

Continuation of 361. A survey of American literature from 1865 to the present.

**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.

**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.

### **ENG 3470—BUSINESS AND THE PROFESSIONS IN LITERATURE**

Students will read fiction, drama and poetry that treat the business and professional life. The approach will be broadly cultural and ethical. An important part of the course will be the work done with students to help them improve their writing.

### **ENG/CLT 3480—INTRODUCTION TO COMPARATIVE LITERATURE**

See CLT/ENG 385 for course description.

### **ENG 399—SELECTED TOPICS IN ENGLISH**

### **ENG 430—RESEARCH PROJECTS IN ENGLISH**

Qualified English majors may be permitted to carry on independent study and to write an extensive paper based on their research. The project must be recommended by the instructor with whom the student plans to work and must be approved by the chair of the department.

### **ENG 4431—SENIOR SEMINAR**

Required of all English majors, this capstone course will provide the opportunity to discuss and apply knowledge gained through major courses. Students will write one major research paper and will make an oral presentation. Prerequisite: Senior standing.

### **ENG/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 4451—CHAUCER**

Study of *The Canterbury Tales* and other selected works.

### **ENG 4452—HISTORY OF THE ENGLISH LANGUAGE**

A course combining the traditional history-of-the-language approach with modern linguistic analysis. Emphasis will be placed on the changes

which mark the evolution of the English language from the Anglo-Saxon period to the present, the nature of the language as it exists today, and the cause-effect relationship between the language and its literature as both evolve through time.

### **ENG 4453—ADVANCED COMPOSITION**

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

### **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.

### **ENG 4410—SHAKESPEARE: THE MAJOR COMEDIES AND HISTORIES**

Intensive study of ten plays. The reading of a reputable biography of Shakespeare, an oral report and a course paper will be required.

### **ENG 4411—SHAKESPEARE: THE TRAGEDIES**

Intensive study of nine plays and the sonnets. An oral report and a course paper will be required.

### **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 will be required.

### **ENG 4461—DRAMA TO IBSEN**

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

### **ENG 4421—POETRY WRITING**

This workshop format course focuses primarily on the students' own poems. The course will emphasize traditional and contemporary use of metrics and forms. Students will learn metrical conventions and will write poems in both applied forms (sonnet, sestina, villanelle, terza rima) and organic forms (free verse, found poetry, and concrete poetry). Prerequisites: ENG 151 and ENG 152.

### **ENG 4422—FICTION WRITING**

This workshop format course focuses primarily on the students' own fiction. The course will emphasize traditional, contemporary, and experimental approaches to plot, characterization, point-of-view, and other elements of form and content. Students will formally evaluate the work



of their peers and/or established writers.

Prerequisites: ENG 151 and ENG 152.

#### **ENG 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.

#### **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.

#### **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.

#### **ENG/CLT 4480—SEMINAR IN COMPARATIVE LITERATURE**

See CLT 3480 for course description.

#### **ENG 5450—ENGLISH DRAMA TO 1642, EXCLUDING SHAKESPEARE**

Chief figures to be studied are Marlowe, Jonson, Webster, Beaumont and Fletcher, and Ford.

#### **ENG 5451—ENGLISH DRAMA FROM THE RESTORATION TO SHAW**

The chief figures to be studied are Dryden, Congreve, Sheridan, Goldsmith, Byron and Shaw.

#### **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.

#### **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.

#### **ENG 5401—MILTON**

A close reading of *Paradise Lost*, *Paradise Regained*, *Samson Agonistes* and the minor poetry of Milton, with some attention to Milton's prose.

#### **ENG 5402—ENGLISH NEO-CLASSICAL LITERATURE**

A study of the major writers of verse and prose from Dryden to Johnson.

#### **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.

#### **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.

#### **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.

#### **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.

#### **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.

#### **ENG/AS 5462—SOUTHERN LITERATURE**

A survey of the literary achievements of the South from the Colonial period to the present.

#### **ENG/ANT/CA 5472—SOCIOLINGUISTICS**

The principles and methods used to study language as a sociocultural phenomenon. These are examined both from the linguistic viewpoint—the search for possible social explanations for language structure and use—and the social-scientific viewpoint—analyzing facts about language which may illuminate our understanding of social structures. Additional prerequisites: SOC 150 or ANT 150.

#### **ENG/WGS 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.

#### **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.

**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, and Black Mountain poets, the Beat poets, Sexton, Brooks, Wilbur, and Heaney.

**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.

**ENG/AAS 568—IMAGES IN AFRICAN-AMERICAN LITERATURE**

The course examines recurrent images, issues, and themes in African-American literature through in-depth studies of several works. Writers such as Douglass, Washington, Dunbar, Chesnut, Wright, Walker, and Morrison will be regularly taught.

**ENG 5440—TWENTIETH-CENTURY IRISH LITERATURE**

A study of representative fiction, poetry, and drama by 20th century Irish authors. Readings will explore the diversity of the Irish experience as it has been influenced by history, culture, politics, and religion.

**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 will read from among North, Central and South American, Western and Eastern European, African, Asian and Far Eastern authors.

**ENG 5471—MODERN ENGLISH GRAMMAR**

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

**ENG 5475—VICTORIAN PROSE AND POETRY**

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

**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 will further the students' mastery of the tools and the practice of literary criticism, will broaden their acquaintance with appropriate genres, such as bildungsroman and biography, and will enhance their understanding of the cultural and psychological issues of particular importance to adolescents.

**ENG 599—SELECTED TOPICS IN ENGLISH****FILM**

See Communication Arts)

**FOREIGN LANGUAGES**

D. Seaman, Chair

Professors: L. Bouma (Emeritus),  
Z. Farkas (Emeritus), C. Krug, D. Seaman,  
J. Weatherford

Associate Professors: J. Buller, J. P. Carton,  
J. Schomber, N. Shumaker

Assistant Professors: D. Alley, N. Barrett  
(Emerita), L. Borowsky (Emerita), R. Haney,  
H. Kurz, M. Lynch, D. Martinez-Conde,  
D. Richards, J. Suazo

Instructor: L. Collins

Temporary Instructors: G. Dimetry, E. Jones,  
D. Osanai, V. Steinberg

Part-Time Instructors: I. Amador, N. Dmitriyeva,  
N. Eisenhart, D. Le Bris, R. Sugahara,  
H. Wedel

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

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

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

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

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

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

This course is designed to provide (on demand) study of foreign languages not generally offered by the department (e.g. Greek, Chinese) or study in second language acquisition (e.g. applied linguistics).

### **FL 499—DIRECTED STUDY IN FOREIGN LANGUAGES OR LINGUISTICS**

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

### **FL 599—SELECTED TOPICS IN FOREIGN LANGUAGES**

## **ARABIC**

### **ARA 151—ELEMENTARY ARABIC I**

Introduction to the essentials of Arabic. Primary emphasis on the writing system and on pronunciation.

### **ARA 152—ELEMENTARY ARABIC II**

Continuation of Arabic 151 with increased emphasis on grammar and syntax. Prerequisite: ARA 151 or equivalent.

### **ARA 153—ELEMENTARY ARABIC III**

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

### **ARA 252—INTERMEDIATE ARABIC**

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

## **FRENCH**

### **FRE 151—ELEMENTARY FRENCH I**

Introduction to essentials of grammar; acquisition of basic vocabulary; practice in reading, speaking and writing. No prerequisite.

### **FRE 152—ELEMENTARY FRENCH II**

Continuation of French 151 with an increased emphasis on the active use of the language. Prerequisite: French 151 or equivalent.

### **FRE 153—ELEMENTARY FRENCH III**

Continuation of French 152. Prerequisite: FRE 152 or equivalent.

### **FRE 252—INTERMEDIATE FRENCH**

A review of French grammar and intensive reading of selected texts; particular emphasis on vocabulary building through conversation and composition exercises. Prerequisite: FRE 153 or equivalent.

### **FRE 311, 12, 13, 14, 15—DISCUSSION CIRCLE**

This course consists primarily of guided conversation in French, based on current issues as they are reflected in contemporary journals and newspapers. The emphasis is on conversational, rather than on specialized, vocabulary. Prerequisite: FRE 252 or consent of instructor.

### **FRE 350—CONVERSATIONAL FRENCH**

Practice in the use of everyday French for functional vocabulary build-up and increased proficiency. Course work includes the study of authentic oral materials (such as excerpts from films, plays, radio programs, recordings of songs, skits, etc.) as well as situational communicative exercises. Prerequisite: FRE 252 or equivalent.

### **FRE 353—FRENCH CIVILIZATION**

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

### **FRE 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**

Contrast analysis of the French and English sound systems and extensive practice to help students refine their pronunciation; familiarization with various French accents. Prerequisite: 10 hours of French at the 300 level.

**FRE 453—CONTEMPORARY FRANCE**

An in-depth study of present-day France. Emphasis on student participation in discussions. Written and oral reports. Prerequisite: 10 hours at the 300 level.

**FRE 454—FRENCH POETRY**

A study of French poetry by major movements, from the late Middle Ages to the present, with an emphasis on poetic techniques and reading strategies. Oral and written reports. Prerequisite: 10 hours at the 300 level or consent of instructor.

**FRE 455—THE FRENCH NOVEL**

A study of the French novel by major movements from its origins to the present, with an emphasis on narrative techniques and reading strategies. Oral and written reports. Prerequisite: 10 hours at the 300 level or consent of instructor.

**FRE 456—FRENCH BAROQUE AND CLASSICAL THEATRE**

A study of seventeenth-century French comedy, tragi-comedy, and tragedy, with an emphasis on origins and influences, cultural context, dramatic techniques, and reading strategies. Oral and written reports. Prerequisite: 10 hours at the 300 level or consent of instructor.

**FRE 457—TWENTIETH-CENTURY FRENCH THEATRE**

A study of the French theatre since 1900; symbolism, Surrealism, Existentialism, Theatre of the Absurd. Written and oral reports. Prerequisite: 10 hours at the 300 level.

**FRE 458—SURVEY OF FRENCH LITERATURE I**

A study of French literature from the Middle Ages through the eighteenth century, with an emphasis on

reading of major works of representative authors.

Prerequisite: FRE 454 and one of the following: FRE 354, 355, 455, or consent of the instructor.

**FRE 459—SURVEY OF FRENCH LITERATURE II**

A study of French literature from the nineteenth century to the present day, with an emphasis on reading of major works of representative authors. Prerequisite: FRE 454 and one of the following: FRE 354, 355, 455 or consent of the instructor.

**FRE 499—DIRECTED STUDY IN FRENCH**  
Independent study under faculty supervision.  
Prerequisite: Consent of department chair.

**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 reading, speaking and writing. No prerequisite.

**GER 152—ELEMENTARY GERMAN II**

Continuation of German 151 with an increased emphasis on the active use of the language. Prerequisite: German 151, one year of high school German or equivalent.

**GER 153—ELEMENTARY GERMAN III**

Continuation of German 152. Prerequisite: GER 152 or equivalent.

**GER 211, 212—DISCUSSION CIRCLE**

Guided conversation in German. The emphasis is on conversational vocabulary at an intermediate level. Prerequisite: GER 152 or consent of instructor.

**GER 251R—GERMAN FOR RESEARCH**

Reading of selected texts in the student's field of specialization with emphasis on the development of reading and translation skills. Prerequisite: German 152, one year of high school German or equivalent.

**GER 252—INTERMEDIATE GERMAN**

A review of German grammar, reading of selected texts and particular emphasis on conversation and expansion of vocabulary. Prerequisite: GER 153 or equivalent.

**GER 311, 12, 13, 14—DISCUSSION CIRCLE**

This course consists primarily of guided conversation in German, based on current issues as they are reflected in contemporary journals and newspapers. The emphasis is on conversational, rather than on specialized, vocabulary. Prerequisite: GER 252 or consent of instructor.

**GER 320—PHONETICS**

Contrast analysis of the German and English sound systems and extensive oral practice to help students refine their pronunciation. Prerequisite: German 153, three years of high school German or equivalent, or consent of instructor.

**GER 350—CONVERSATION**

Practice in the use of everyday German through conversation, short compositions, and oral presentations. Grammar review as needed. Prerequisite: German 252 or consent of instructor.

**GER 350R—ADVANCED READING**

Emphasis on developing reading skills through extensive reading of texts related to the student's major interest. Prerequisite: German 251R or 252, three years of high school German, or equivalent or consent of instructor.

**GER 351—WRITING IN GERMAN**

Grammar review, basic instruction in stylistics, extensive practice in writing in German, both short compositions and longer items. Prerequisites: GER 252 or consent of instructor.

**GER 353—GERMANY TODAY**

Study of daily life in Germany today, both the Federal Republic of Germany and the German Democratic Republic, with major emphasis on the Federal Republic. Taught in German; grammar review as needed. Prerequisite: German 252 or equivalent, or consent of instructor.

**GER 354—CONTEMPORARY SHORT STORIES**

Reading and discussion of contemporary short stories; active use of German; grammar review as needed. Prerequisite: German 252, three years of high school German or equivalent, or consent of instructor.

**GER 355—THE GERMAN RADIO PLAY**

Students will read, listen to, discuss, and compare

written reports on recent German radio plays (short dramas designed for radio broadcasting); active use of German; grammar review as needed. Prerequisite: German 252, three years of high school German or equivalent, or consent of instructor.

**GER 356—EAST GERMAN LITERATURE**

An introduction to the literature of East Germany; active use of German; grammar review as needed. Prerequisite: German 252, three years of high school German or equivalent, or consent of instructor.

**GER 357—COMMERCIAL GERMAN**

A career-oriented course designed to familiarize the student with the language of business, finance, and economics; active use of German; grammar review as needed. Prerequisite: German 252, three years of high school German or equivalent, or consent of instructor.

**GER 399—SELECTED TOPICS IN GERMAN****GER 450—ADVANCED GRAMMAR AND COMPOSITION**

Advanced study of German grammar and syntax with emphasis on the active use of the language in both speaking and writing. Prerequisite: two courses at the 300 level or consent of the instructor.

**GER 451—GERMAN HERITAGE**

A survey of various aspects of German culture with an emphasis on the spoken language. Prerequisite: two courses at the 300 level or consent of the instructor.

**GER 461—SURVEY OF GERMAN LITERATURE I**

A survey of German literature from the beginning to the 19th century with emphasis on reading of major works of representative authors. Prerequisite: two courses at the 300 level or consent of the instructor.

**GER 462—SURVEY OF GERMAN LITERATURE II**

A survey of German literature from the 19th century to the present with emphasis on reading of major works of representative authors. Prerequisite: two courses at the 300 level or consent of the instructor.

**GER 463—GOETHE AND SCHILLER**

A close study of the Classical Period and its major representatives. Prerequisite: two courses at the 300 level or consent of the instructor.

**GER 465—THE GERMAN NOVELLE**

A study of the Novelle from Goethe to the present. Prerequisite: two courses at the 300 level or consent of the instructor.

**GER 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 head.

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

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

**JPN 151—ELEMENTARY JAPANESE I**

Emphasis on pronunciation and basic grammatical structures, using primarily the Roman alphabet for written material.

**JPN 152—ELEMENTARY JAPANESE II**

Continuation of Japanese 151 with increased emphasis on grammar, syntax, and learning the Japanese script. Prerequisite: JPN 151 or equivalent.

**JPN 153—ELEMENTARY JAPANESE III**

Continuation of Japanese 152. Prerequisite: JPN 152 or equivalent.

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

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 152 or equivalent.

**JPN 252—INTERMEDIATE JAPANESE**

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

**JPN 350—INTRODUCTION TO JAPANESE CULTURE**

A basic introduction to Japanese society and culture, with special emphasis on contemporary Japan.

**KOREAN****KOR 151—ELEMENTARY KOREAN I**

Emphasis on speaking and listening skills, the Korean alphabet, and basic grammatical structures.

**KOR 152—ELEMENTARY KOREAN II**

Continuation of Korean 151. Emphasis on speaking and listening skills, the Korean alphabet, and basic grammatical structures. Prerequisites: KOR 151 or permission of instructor.

**LATIN****LAT 151—ELEMENTARY LATIN I**

Introduction to the Latin language. Basic grammar, vocabulary building, graded reading and discussion of Roman history and culture.

**LAT 152—ELEMENTARY LATIN II**

Continuation of 151. Additional grammar and graded readings.

**LAT 153—ELEMENTARY LATIN III**

Continuation of 152. Additional grammar and graded readings. Prerequisite: Latin 152 or equivalent.

**LAT 251—INTERMEDIATE LATIN I**

Beginning series of reading in Roman authors. Discussions of Roman history and culture.

**LAT 252—INTERMEDIATE LATIN II**

Continued series of prose reading in Roman authors. Beginning readings of Latin poets. Discussion of Roman history and culture.

**RUSSIAN****RUS 151—ELEMENTARY RUSSIAN I**

Introduction to the essentials of Russian. Emphasis on pronunciation and the Russian writing system.

**RUS 152—ELEMENTARY RUSSIAN II**

Continuation of Russian 151 with increased emphasis on grammar and syntax. Prerequisite: RUS 151 or equivalent.

**RUS 153—ELEMENTARY RUSSIAN III**

Continuation of Russian 152. Prerequisite: RUS 152 or equivalent, and consent of department chair.

**RUS 252—INTERMEDIATE RUSSIAN**

Continuation of Russian 153; grammar review and increased emphasis on reading authentic texts. Prerequisites: RUS 153 or equivalent, and consent of department chair.

**SPANISH****SPA 151—ELEMENTARY SPANISH I**

Introduction to essentials of grammar, acquisition of basic vocabulary; practice in reading, speaking and writing. No prerequisite.

**SPA 152—ELEMENTARY SPANISH II**

Continuation of Spanish 151 with an emphasis on the active use of the language. Prerequisite: Spanish 151, one year of high school Spanish or equivalent.

**SPA 153—ELEMENTARY SPANISH III**

Continuation of Spanish 152. Prerequisite: SPA 152 or equivalent.

**SPA 252—INTERMEDIATE SPANISH**

A review of Spanish grammar, reading of selected texts and particular emphasis on conversation and expansion of vocabulary. Prerequisite: Spanish 153 or equivalent.

**SPA 311, 12, 13, 14, 15—DISCUSSION CIRCLE**

This course consists primarily of guided conversation in Spanish, based on current issues as they are reflected in contemporary journals and newspapers. The emphasis is on conversational, rather than on specialized, vocabulary. Prerequisite: Spanish 252 or consent of instructor.

**SPA 350—SPANISH CONVERSATION**

Practice in the use of everyday Spanish through conversation, vocabulary building and oral presentation. Only Spanish spoken in class. Prerequisite: Spanish 252 or equivalent.

**SPA 351—SPANISH GRAMMAR AND COMPOSITION**

Treatment of fine points of grammar and idioms, with special attention to the verbal and pronominal systems. Readings appropriate to grammatical points, translations and weekly directed compositions. Prerequisite: Spanish 252 or equivalent.

**SPA 352—APPROACH TO HISPANIC LITERATURE**

Study of selections from major Hispanic writers

with emphasis on reading, the spoken language and grammar review as needed. Oral and written reports. Prerequisite: Spanish 252 or equivalent.

**SPA 354—SPANISH CIVILIZATION**

A study of the culture and civilization of Spain with emphasis placed on the historical and social development of the country. Prerequisite: Spanish 252 or equivalent. Taught in Spanish.

**SPA/LAS 355—LATIN AMERICAN CIVILIZATION**

A study of the culture and civilization of Latin America from the time of the pre-Columbian Indian societies through the present. Prerequisite: Spanish 252 or equivalent. Taught in Spanish.

**SPA 399—SELECTED TOPICS IN SPANISH****SPA 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 head.

#### **SPA 599—SELECTED TOPICS IN SPANISH**

### **YORUBA**

#### **YOR 151—ELEMENTARY YORUBA I**

Introduction to the essentials of Yoruba grammar and culture; acquisition of basic vocabulary; practice in speaking, listening, reading, and writing.

#### **YOR 152—ELEMENTARY YORUBA II**

Continuation of Yoruba 151. Prerequisite: YOR 151 or consent of the instructor.

#### **YOR 153—ELEMENTARY YORUBA III**

Continuation of Yoruba 152. Prerequisite: YOR 152 or consent of instructor.

### **GEOGRAPHY**

Courses in geography are offered by the Department of Geology and Geography.

Professor: D. Good

Assistant Professor: J. Leib, M. Welford

#### **GGY 250—WORLD REGIONAL**

#### **GEOGRAPHY**

Study of geographic regions of the world emphasizing physical landscapes, resources, economies, culture and politics. Selected problems or situations of contemporary interest will be incorporated.

#### **GGY 350—PHYSICAL GEOGRAPHY**

A study of earth environmental systems. Land forms and their evolution, soils, vegetation, and climates are the main topics.



**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 man's 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 the 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, settle-

ment, 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****GEOLOGY**

Courses in geology are offered by the Department of Geology and Geography.

F. Rich, Chair

Professors: G. Bishop, S. Hanson (Emeritus)

Adjunct Professor: V. Henry

Associate Professors: J. Darrell, R. Petkewich, F. Rich

Assistant Professors: D. Battles, M. Evans, K. Vance, R. Hulbert

Temporary Assistant Professor: R. Hulbert

Adjunct Associate Professor: C. Schubert

**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 and effect of these components 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 by photography. Techniques of black and white photography will be applied to recording field data and the preparation of illustrations for publi-

cation. 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 metallic minerals. Laboratory work consists of study of common crystal forms and the physical and chemical identification of minerals. Three lectures and four laboratory hours a week. Prerequisite: GLY 151 and CHE 181-182.

#### **GLY 352—SILICATE AND OPTICAL MINERALOGY**

An introduction to the genesis, occurrence, uses and optics of common silicate minerals. Laboratory work consists of the study of the internal structures of minerals, mineral identification and the use of the petrographic microscope. Three lecture and four laboratory hours a week. Prerequisite: GLY 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 494—SELECTED PROBLEMS IN GEOLOGY**

Independent field and laboratory investigation under faculty supervision. Written report required. Prerequisites: senior standing and permission of the instructor.

**GLY 512—SEMINAR IN GEOLOGY**

The process of scientific communication will be investigated and practiced. A final paper on the student's senior research topic will be written and an oral presentation made in a formal "Technical Session" format. The student will learn to prepare visual aids to illustrate his/her paper and talk. The "Technical Session" will be organized and run by students. Prerequisites: GLY 494 or permission of the instructor.

**GLY 551—GEOCHEMISTRY**

The application of chemical concepts to geological problems. Five lecture hours a week. Prerequisite: GLY 151-152, 351-352, CHE 181-182 or approval of instructor.

**GLY 552—INTRODUCTION TO VERTEBRATE PALEONTOLOGY**

A study of the morphology, classification and geologic significance of vertebrate fossils. Three lectures and four laboratory hours per week. Prerequisite: GLY 151-152, BIO 151 or approval of instructor.

**GLY 555—EARTH SCIENCE**

A systematic study of the earth as a planet, including aspects of its atmosphere, oceans, lithosphere, soils and physiography. Laboratory will emphasize the location and utilization of local, as well as regional materials for earth science teaching and learning. Three lectures and

four hours of laboratory per week. Prerequisite: a foundation course in geology is recommended. Permission of instructor.

**GLY 561—INTRODUCTION TO MICROPALEONTOLOGY**

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****GERMAN**

See FOREIGN LANGUAGES.

**HISTORY**

Courses in history are offered by the Department of History.

J. Fraser, Chair

Professors: P. Cochran (Emeritus), J. Fraser, H. Joiner, C. Moseley, G. Rogers (Emeritus), F. Saunders, G. Shriver, R. Shurbutt, J. Smith (Emerita), D. Ward (Emeritus)

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

Assistant Professors: C. Briggs, F. Brogdon, C. Crouch, F. Manchuelle (on leave), C. Malone, T. McMullen, D. Rakestraw, P. Rodell, C. Roell, A. Sims, J. Steinberg, T. Teeter

Temporary Assistant Professors: M. Curtin, A. Downs

Temporary Instructor: K. Sinisi

**HIS 152—DEVELOPMENT OF CIVILIZATION**

The first course traces the development of civilization from prehistoric times to the dynastic and religious wars of the seventeenth century.

**HIS 153—DEVELOPMENT OF CIVILIZATION**

The second course begins at 1660 with a study of the old regimes in Western Europe, the French Revolution and its aftermath, the western democracies in the nineteenth century and a survey of power politics in the twentieth century.

**HIS 252—THE UNITED STATES TO 1877**

A survey of American history from its colonial origins to the end of Reconstruction.

**HIS 253—THE UNITED STATES SINCE 1877**

A survey of American history from the end of Reconstruction to the present.

**HIS 274—THE BLACK AMERICAN**

A systematic study of the history of the Black American with emphasis on his attempt to gain political, economic, social, and legal justice in the United States.

**HIS 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 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**

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 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 361—HISTORY OF ENGLAND TO 1688**

A survey of English history from the Roman invasion of Britain in 55 B.C. to the "Glorious Revolution" of 1688.

**HIS 362—HISTORY OF ENGLAND, 1688 TO THE PRESENT**

A survey of modern British history from the "Glorious Revolution" of 1688 to the present.

**HIS 364—SCIENCE AND TECHNOLOGY: PYRAMIDS TO NEWTON**

A survey of science and technology, covering early scientists, key discoveries and inventions, and how science changes and technology develops. Prerequisite: HIS 152.

**HIS 365—EUROPE SINCE 1914**

A study of causes and results of the First and

Second World Wars with emphasis on political, social, economic and cultural problems in the two postwar periods.

**HIS 366—GERMANY: 1648 TO THE PRESENT**

A survey of modern German history, outlining the origins of Prussia, Bismarck's power politics and the rise and fall of Hitler's Third Reich.

**HIS 368—DIPLOMATIC HISTORY: 1870 TO THE PRESENT**

An overview of European diplomatic development, centering its attention on the First and Second World Wars and the postwar efforts toward international stability.

**HIS 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/LAS/AAS 373—MEXICO AND THE CARIBBEAN**

A study of the conquest and establishment of Hispanic culture in Mexico and the Caribbean, with particular emphasis on developments in Mexico, Cuba and Hispaniola since their independence.

**HIS/LAS 374—A.B.C. POWERS**

A survey of the political, economic, social, and cultural development of Argentina, Brazil and Chile from their struggles for independence to the present.

**HIS 375—ISLAMIC CIVILIZATION**

A study of the institutions and cultural achievements of the Islamic world from Morocco to Indonesia, with special emphasis on the origins and distinctive characteristics of Islam as both religion and ideology.

**HIS 377—RUSSIA TO 1917**

A survey of the evolution of the Russian people

from their Kievan origins to the Revolution of 1917. Emphasis will be placed on the elements of continuity between Czarist Russia and the Soviet Union.

**HIS/AS 380—AMERICAN SOCIETY AND THOUGHT**

Fashions and fads, manners and morals, the impact of a sense of mission, mobility, Puritanism, slavery, Darwinism and Freud on the American mind and character through the 1920's.

**HIS/RS 381—INTRODUCTION TO THE HISTORY OF RELIGION IN THE UNITED STATES**

A survey and analysis of the major religious patterns in the United States with special attention given to belief systems, institutional forms, social composition and historical development.

**HIS/RS 384—HERESY AND DISSENT IN WESTERN RELIGIOUS HISTORY**

A careful study of minorities and heretics in western religious history with special emphasis on belief systems, historical continuity, intolerance and persecution and the unique contributions of minorities to the dominant society.

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

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

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

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

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

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

**HIS 389—19TH-CENTURY EUROPE**

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

**HIS 399—SELECTED TOPICS IN HISTORY**

**HIS 450—GEORGIA HISTORY**

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

**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 1890s to World War II, with special emphasis on agrarian discontent, progressivism, the impact of foreign policy, the Great Depression and the sweeping changes of the New Deal period.

**HIS 454—MEDIEVAL HISTORY**

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

**HIS 455—THE YOUNG REPUBLIC**

A survey of the Federalist and Republican administrations and diplomatic growth of the United States, 1789-1828.

**HIS 456—NATURE AND CONSEQUENCES OF SECTIONALISM**

A study of the political, economic, social, and cultural differences of each section, 1840-1861, with emphasis on the South.

**HIS 457—THE EASTERN FRONTIER: 1607 TO THE INDIAN REMOVALS**

A study of the moving frontier with emphasis placed on the physical advance into the wilderness, the Indian wars, fur trade and cultural and social developments which characterized the westward migration.

**HIS 458—THE NEW SOUTH**

The historical background and the political, economic, and cultural patterns of the twentieth-

century South are studied with particular emphasis on Georgia's place in the regional picture.

**HIS/AS 459—AMERICAN BIOGRAPHY**

A study of the major political, social, and intellectual figures who made outstanding contributions in the development of American history.

**HIS 460—THE AMERICAN WEST**

A study of the expansion and settlement of the West, including the fur trade, territorial expansion, pioneer life, spread of statehood, mining and cattle frontiers, western railroads and Indian relations.

**HIS 461—HISTORY OF THE SOVIET UNION**

A history of the Bolshevik Revolution and of the Soviet Union to the present day. Domestic political events will be related to the social and economic bases of Russia and the Soviet Union. Moscow's place in world affairs will be examined.

**HIS/AS 462—AMERICAN ECONOMIC HISTORY**

A study of the economic growth of the United States and an analysis of the factors which have shaped this development including the role of financial and business organizations.

**HIS 463—DIPLOMATIC HISTORY OF THE UNITED STATES**

A study of the background of American diplomatic history with analysis of revolutionary shifts in policy and action brought about by continuing crises of the Atomic Age.

**HIS 464—IMPERIALISM AND DECOLONIZATION, 1875-PRESENT**

During the period 1875-1920, the industrialized nations of the West carved out territories in most of Africa and Asia, only to lose almost all of them by 1970. This course analyzes the historiographical treatment of causes of the "new imperialism," the debate over imperialism's effects, and the process of decolonization.

**HIS/AS 465—THE BIRTH OF THE REPUBLIC**

A detailed examination of the colonial and revolutionary periods of American history.

**HIS 466—AGE OF JACKSON, 1828-1848**

A history of American politics, life, and society from the political advent of "Old Hickory," Andrew Jackson, through the administration of "Young Hickory," James K. Polk.

**HIS 467—MAJOR THEMES IN WESTERN RELIGIOUS HISTORY**

A thematic approach to the history of religion in the West. Such themes as church-state relations, the quest for authority, the development of religious institutions, the role of heresy and dissent and attempts at unity will be 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 473—NAVAL WARFARE: FROM THE ARMADA TO THE ATOMIC AGE**

A survey of the policies and practices of modern naval warfare from the Spanish Armada to the advent of nuclear vessels.

**HIS 475—THE URBANIZATION OF THE UNITED STATES**

A survey of the process, progress and problems of urban growth in the United States from the eighteenth century to the present.

**HIS 476—RECENT AMERICA: UNITED STATES SINCE 1945**

The history of the United States since World War II, including developments in American society, economy, politics and foreign policy.

**HIS/AAS 477—HISTORY OF AFRICAN NATIONALISM**

A survey of the history of modern African nationalism since the 19th century. The course will examine the anti-colonial struggle, the recovery of national independence and post-colonial problems.

**HIS 478—MODERN SPAIN AND PORTUGAL**

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

**HIS 479—READING FOR HONORS IN HISTORY****HIS 480—HISTORY OF THE ANTE-BELLUM SOUTH**

The development of southern economic, social, and political institutions to 1860.

**HIS/AS 481—CONSTITUTIONAL HISTORY OF THE UNITED STATES**

The development of American constitutionalism from the colonial period to the present with emphasis on the adaptation of the federal system to changing social, economic and political demands.

**HIS 482—FROM LOUIS XIV TO NAPOLEON, 1660-1815**

An investigation into the political, social and cultural currents of the Old Regime, the French Revolution and the Napoleonic Era.

**HIS 483—FROM EMPIRE TO REPUBLIC, 1815-1914**

An investigation of continuity and change in the political, social and intellectual currents of nineteenth-century France.

**HIS 484—TWENTIETH-CENTURY FRANCE, 1914 TO THE PRESENT**

An investigation into the political, social and intellectual currents which have shaped the French experience in the twentieth century.

**HIS 485—TUDOR-STUART ENGLAND**

A study of England's constitutional, political, religious and social development from Henry VII to the end of the reign of Queen Anne.

**HIS 486—MODERN BRITAIN**

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

**HIS 488—MEDIEVAL ENGLAND FROM THE CONQUEST TO 1450**

Medieval English history from the conquest to the Tudor period.

**HIS 489—THE MODERN MIDDLE EAST**

A study of the Middle East since World War I. Major topics include Zionism, nationalism, and Islamic revolutionary movements.

**HIS 496—TOPICS IN BUSINESS HISTORY**  
Various topics allow a broad survey of significant

issues in business history or an intensive treatment of a specific theme. Prerequisites: HIS 252 or HIS 253 recommended but not required.

### **HIS 499—SPECIAL PROBLEMS IN HISTORY**

Independent study for advanced students in history. Prerequisite: approval of department head.

### **HIS 550—SCIENCE AND TECHNOLOGY: NEWTON TO APOLLO 15**

A survey of the history of modern science and technology. Covers key scientists, scientific discoveries, inventions, and how science and technology interact. Prerequisite: HIS 153.

### **HIS 599—SELECTED TOPICS IN HISTORY**

## **JOURNALISM**

See COMMUNICATION ARTS

## **JUSTICE STUDIES**

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

L. Van Tassel, Chair

R. Waugh, Director

Professor: G. Cox

Associate Professor: S. Tracy, R. Waugh

Assistant Professors: F. Ferguson, L. Kelly

Temporary Assistant Professor: K. Barrow,

R. Davis, D. Sabia

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 255—INTRODUCTION TO OFFENDER REHABILITATION**

A study of the processes used in probation and parole as well as evaluation of confinement. Rights and responsibilities of the offender and court decisions affecting rehabilitation and treatment. Field trips will be attempted as class-load permits. (JS 255 may only be taken for credit by

JS/AAS degree candidates or as an elective.)

### **JS 261—CRIMES**

A study of the theories in criminal law. Seeks to establish the relationship of criminal law to the prevention of criminal behavior and to rehabilitation. Introduces the student to techniques of legal research and interpretation of the penal code and other criminal statutes, with special emphasis placed on the Georgia Criminal Code.

### **JS 263—POLICE ADMINISTRATION**

Investigates the principles of organization, administration and duties of police agencies. Examines ideas such as lateral entry, team policing, neighborhood police, central staff control and professionalization.

### **JS 264—FUNDAMENTALS OF PROOF**

Case presentation as it pertains to the officer in court. The nature and degrees of evidence are examined. Handling and preservation of evidence as well as the introduction and admission, or exclusion, of evidence into trial will be thoroughly researched. (JS 264 may be taken for credit only by JS/AAS degree candidates or as an elective.)

### **JS 266—ISSUES IN CRIMINAL JUSTICE**

Review of basic principles and practices of law enforcement. A course designed to bring the practitioner and the various subject areas into sharper focus. (JS 266 may be taken for credit only by JS/AAS degree candidates or as an elective.)

### **JS 277—PRE-DEGREE RESEARCH PAPER**

A supervised program of research into a subject or problem in the student's field of interest resulting in a research paper. (JS 277 may be taken for credit only by JS/AAS degree candidates.)

### **JS/SOC 354—GANGS, DRUGS, AND CRIMINAL JUSTICE**

Students will explore the links between gangs and the drug culture and will trace the development of gangs in U.S. society, examining how the criminal justice system might respond.

Prerequisites: JS 251 or consent of instructor.

### **JS 361—EVIDENCE**

A course designed to acquaint the criminal justice practitioner with the nature, kinds and degrees of evidence. The importance of proper handling for preservation and authenticity for admission at trial are examined, as are rules governing admission and exclusion of evidence; judicial notice; presumptions; demonstrative, circumstantial, illegal evidence; the hearsay and best evidence rules;



the competency, examination, impeachment and privileges of witnesses; and the burden of proof. Prerequisite: JS 251.

### **JS 362—CRIMINAL PROCEDURE**

An introduction to the relationship, official and unofficial, between police agencies and prosecuting offices. Includes a survey of techniques and methods of each. The student discovers the functions and procedures of the courts—judges, lawyers and juries—with emphasis on Georgia jurisprudence. Prerequisite: JS 251.

### **JS 363—JUVENILE JUSTICE**

An overview of the basic philosophy and procedures of the juvenile justice system; focus on types of juvenile offenders and factors associated with status and delinquent offenders. Past and present processes of the juvenile justice system will be examined. Landmark cases, Kent, Winship, and Gault will be scrutinized for their impact on the system. Current practices will be studied, particularly the treatment of status offenders, females, gang members and substance abusers within the system. Prerequisites: JS 252 or consent of instructor.

### **JS 364—COMPARATIVE INDUSTRIAL SECURITY**

A study of security problems in banks, campuses, computer centers, hospitals, public conveyances, as well as personnel safety and security in business, industry and government. Attention will be given to employment opportunities in safety and security as a career field.

### **JS 365—ADVANCED CORRECTIONS**

The principles and practices of probation and parole, emphasizing constructive methods of correctional processing within the formal scope of community based corrections as well as an overview of the development, philosophy and operational manifestations of institutional corrections and the subsequent classification and programming. Prerequisite: JS 252 or consent of instructor.

### **JS 367—ADVANCED CRIMINAL INVESTIGATION**

An analytic approach to criminal investigation, from the point of detection to offender apprehension. Students learn about the search, recovery and preservation of forensic material recovered at the crime scene. Additional focus is given to crime laboratory use and fingerprint classification.

### **JS 399—SELECTED TOPICS IN CRIMINAL JUSTICE**

### **JS 453—OFFENDER COUNSELING AND SUPPORT**

This course is designed to explore the role of treatment in the correctional setting through an investigation of the counseling process and the impact it has on the persons affected. Treatment processes will be explored using case studies and counseling methods now utilized as well as those under study. Emphasis will be placed on specific problems, e.g. AIDS, conjugal visits, incarcerated females, violent offenders, and links to the outside community. Prerequisite: JS 252 or consent of instructor.

### **JS 461—SEMINAR**

A seminar designed to bring together the various subject matter areas covered by the Justice Studies major. Students will be assigned specialized research topics in their fields of interest.

### **JS 472—SENIOR PROJECT**

A program of readings and research in a subject or problem of the justice studies spectrum resulting in a senior paper.

### **JS 491, 492, 493—INTERNSHIP I, II, III**

A major involvement with judicial, corrections, law enforcement, or related agencies. Student will work with an agency a full quarter and will receive five quarter hours credit for each internship course. A maximum of 15 hours credit may be earned as internship credit. A course summary will be required from each participating student. Prerequisite: permission of the program director.

### **JS 599—SELECTED TOPICS IN CRIMINAL JUSTICE**

### **LATIN AMERICAN STUDIES**

Latin American Studies is an interdisciplinary field including courses offered by several departments. R. Shurbutt, 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.

**MATHEMATICS AND COMPUTER SCIENCE**

A. Sparks, Chair

Professors: J. Davenport, A. Pierce, A. Sparks, D. Stone, N. Wells

Associate professors: M. Aulick, A. Barbour, C. Champ, C. Christmas (Emeritus), R. Harshbarger, R. Hathaway, C. Kariotis, E. Lavender, B. McLean, J. Rafter, M. Smith (Emeritus), C. Xu

Assistant Professors: M. Abell, S. Boddiford, B. Carter, S. Davidson, E. Hardy (Emerita), Y. Hu, X. Li, W. Lynch (Emeritus), L. Roberts, P. Watkins, R. Wells

Instructors: T. Abbot, R. Bogan, J. Braselton, L. Braselton, D. Brown, W. Brown, J. Cason, D. Gibson, S. Lanier, S. Morris, C. Nessmith, J. O'Brien, D. Saye, G. Shoultz (on leave), C. Sikes, M. Sikes, D. Stapleton, J. Vargo, D. Westcot, L. Yocco

Temporary instructors: A. Gleissner, C. Gonzalez, P. Goode, D. Heath, D. Hodges, M. Hoy, L. Maddox, K. Milnor, L. Olszewski, M. Rose

Part-time Instructors: B. Burke, L. Colvin, J. Darley, K. Futch, J. Johnson, D. Raith, M. Shaw, R. Sparks, M. Stewart, J. Strozzo, L. Waymire

Courses in computer science, mathematics and statistics are offered by the Department of Mathematics and Computer Science.

**COMPUTER SCIENCE****CSC 230—INTRODUCTION TO BASIC PROGRAMMING**

BASIC language structure with applications and concepts. Prerequisite: five hours of mathematics.

**CSC 232—INTRODUCTION TO FORTRAN PROGRAMMING**

Basic concepts, logic and syntax of the FORTRAN programming language. Prerequisite: five hours of mathematics.

**CSC 233—COMPUTING IN THE SCIENCES**

Use of microcomputers to solve science problems. Includes BASIC programming language, statistical analysis, modelling using spreadsheet and word processing. Prerequisite: restricted to science majors.

**CSC 281—PRINCIPLES OF COMPUTER PROGRAMMING I**

An introduction to data representation and computer system organization. Algorithm development using simple data types and control structures. Further development using procedures, functions, and structured data types.

Prerequisites: Knowledge of MAT 151 and one of the following: knowledge of a programming language; CIS 251; MAT 166.

**CSC 283—PRINCIPLES OF COMPUTER PROGRAMMING II**

A continuation of CSC 281. Emphasis will be placed on advanced structured programming and an introduction to data structures. Prerequisite: CSC 281.

**CSC 285—FILE PROCESSING**

Creation, use, sorting, and modification of sequential-access and random-access files. Continues the development of the design, implementation, testing, and documentation skills begun in CSC 281, with emphasis on algorithm development. Prerequisite: CSC 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: CSC 283.

**CSC 351—THEORETICAL FOUNDATIONS**  
Language definition, grammars, parsing, finite-state machines, recursive function theory, computable functions and Turing machines, and computational complexity. Prerequisites: MAT 251 and CSC 283.

**CSC 364—DATA STRUCTURES**

Applying algorithmic design techniques to data manipulation and an introduction to algorithm analysis and memory management. Prerequisite 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 man-

agement 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, CSC 351, and 364.

**CSC 491—INDIVIDUAL PROBLEMS**

Designed to offer the student an opportunity to carry out an independent research project. Prerequisite: Consent of instructor.

**CSC 499—SPECIAL PROBLEMS/CO-OP**

Work experience in computer science through the CO-OP program. A student may enroll in this course more than once, but cumulative credit may not exceed five hours. Variable credit, zero to five hours. Prerequisite: Acceptance as a CO-OP student in the area of computer science.

**CSC 550—ADVANCED PROGRAMMING IN BASIC**

Advanced topics in computer science using the language BASIC. For teachers and prospective teachers of high school computer science. Prerequisite: CSC 230 or consent of instructor.

**CSC 560—COMPUTER GRAPHICS**

Graphic fundamentals. Two-dimensional geometric transformations, elementary shading techniques, three-dimensional graphics, curves and surfaces. Prerequisites: 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 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.

**MAT 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 (RETIP). 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 MAT 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 geometries using metric methods. Prerequisite: MAT 166.

**MAT 399—SELECTED TOPICS IN MATHEMATICS****MAT 452—LINEAR PROGRAMMING**

Introduction to linear programming using the theory of convex polygons and elementary matrix algebra. Applications to various problems are considered. Prerequisite: MAT 334 or permission of instructor.

**MAT 454—MATHEMATICAL MODELS AND APPLICATIONS**

A study of model construction and types of models. Primary consideration is given to the application of models in operations research. Prerequisites: MAT 264 and either CSC 230 or CSC 281.

**MAT 456—OPERATIONS RESEARCH**

Introduction to the analytical formulation and solution of decision problems. Mathematical methods of optimization of classical operations research models. Prerequisite: MAT 338.

**MAT 458—INTRODUCTION TO FRACTALS**

Fractals as 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 eigenvalues. Prerequisites: MAT 332 and MAT 334.

**MAT 468—APPLIED MATHEMATICS (See Physics 468)**

Theory and applications of mathematical methods such as power series, Laplace Transforms, vector calculus, Fourier series, integrals and partial differential equations. Four lecture and two computer laboratory hours per week. Prerequisite: MAT 350.

**MAT 475—FUNCTIONS OF A COMPLEX VARIABLE**

Topics in complex variables including: limits, continuity, derivatives; the Cauchy-Riemann conditions, integrals of function of a complex variable, Cauchy-Goursat theorem. Cauchy integral formula theorem; theorem of Morea, Liouville. Prerequisite: MAT 330.

**MAT 479—DISCRETE MATHEMATICS**

A further study of the discrete mathematics underlying computer science. Topics include coding theory, finite-state machines, machine design and construction, computability and formal languages. Prerequisite: MAT 251.

**MAT/CSC 480—APPLIED NUMERICAL METHODS**

For course description see CSC 480.

**MAT 485—ANALYSIS**

Continuity, sequences and series, theory of differentiation and integration, sequences and series of functions. Prerequisite: MAT 330.

**MAT 495—DIRECTED STUDY IN MATHEMATICS**

Directed study under faculty supervision. Prerequisites: consent of department chair.

**MAT 530—BASIC IDEAS OF ARITHMETIC**

Arithmetic topics included in the elementary school curriculum: sets; the arithmetic of whole numbers, integers, rational numbers and decimals; number theory; problem solving. Prerequisite: MAT 151.

**MAT 531—BASIC IDEAS OF GEOMETRY**

Geometrical topics included in the elementary school curriculum: geometric shapes; non-metric geometry; measurement; triangle congruence and similarity; coordinate geometry; geometric transformations. Prerequisite: MAT 530.

**MAT 551—BASIC IDEAS OF PROBLEM SOLVING**

Problem-solving strategies applied to a variety of contexts in arithmetic, geometry and algebra. The use of these strategies by teachers of middle grades mathematics will be emphasized.

Prerequisites: MAT 530 and 531, or permission of instructor.

**MAT 553—PATTERNS OF PROBLEM SOLVING**

A study of patterns involved in solving problems. Particular attention is paid to Polya's heuristics and his characterization of the problem-solving process; the student will also solve many problems. The application of these techniques by mathematics teachers will be stressed.

Prerequisite: MAT 166 or consent of instructor.

**MAT 554—ADVANCED GEOMETRY**

Selected topics from Euclidean and Non-Euclidean Geometry. Prerequisite: MAT 374 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 to Topology. Prerequisite: five hours of mathematics above the 200 level or one year of teaching high school mathematics.

**MAT 595. SPECIAL PROBLEMS IN MATHEMATICS**

Topics of special need and interest to mathematics teachers will be studied. Prerequisite: consent of instructor.

**MAT 599. SELECTED TOPICS IN MATHEMATICS****STATISTICS****STA 255. STATISTICS USING THE COMPUTER I**

An elementary course in statistics at a level which does not require a knowledge of calculus. An interactive computer statistical package will be used to solve problems and simulate situations. No computer knowledge required.

Prerequisite: five hours of mathematics.

**STA 256. STATISTICS USING THE COMPUTER II**

Two sample tests of hypothesis and topics in regression and correlation. A survey of computers and data processing principles. Use of large statistical packages such as SPSS, BMD and SAS. Prerequisite: 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.

## 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

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, R. Kho,

L. Najarian, C. Moller, C. Purdy,

J. Singletary, Z. Smith, L. Weinhold

Staff Accompanist: J. DeLoach

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

Students wishing to pursue a degree in music must complete an application for admission to the Department of Music as well as pass an entrance audition.

### PERFORMANCE REQUIREMENTS

**Recital Requirements:** Prior to performing a Junior, Senior or Invitational Recital, the candidate must pass a recital approval examination no less than three weeks before the recital date.

Performance majors in the Bachelor of Music degree plan are required to perform a full public recital in both their junior and senior years.

Candidates for the Bachelor of Arts degree may be invited to perform a full public recital in their senior year on their primary instrument.

Performance majors with Elective Studies in Business must perform a full public recital in their senior year. Candidates for a degree in Music Education and Composition may be invited to give recitals upon the recommendation of the applied instructor. A full public recital of original compositions by Composition majors must be presented during the candidate's senior year.

All candidates for a music degree must complete applied music proficiency-level requirements appropriate to the candidate's specific degree plan as well as fulfill other performance requirements consistent with the degree plan or individual course objectives. The appropriate applied music 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.

### CLASS PIANO AND THE PIANO EXIT EXAMINATION

All freshman and sophomore music majors must pass the piano exit examination. 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 transfer students. Freshman music majors may elect to take the placement examination. Placement exam results are for advisement purposes only.

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

The requirements stated above for exiting the lower-level theory sequence apply regardless of grades received in the lower level theory courses.

### DEPARTMENTAL GRADING POLICY

Music majors must earn a minimum grade of "C" in each music class which applies toward graduation. 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. 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, including Junior Recital Preparation and Senior Recital Preparation, by permission of instructor and/or department chair of music only.

**APPLIED MUSIC (PRIVATE LESSONS)**

Instruction in various instruments and voice is offered. The fee for receiving one hour credit (25-minute lesson per week) is \$12.50 per quarter; the fee for receiving two hours credit (50-minute lesson per week) is \$25.00; the fee for receiving three hours credit (50-minute lesson per week) is \$37.50.

These courses carry the letters MUA and are numbered in sequence: 100, first year; 200, second year; 300, third year; 400, fourth year; 800, graduate credit. Percussion is 13, 23 or 33; piano is 14, 24 or 34; string instruments are 15, 25 or 35; voice is 16, 26 or 36; woodwind instruments are 17, 27 or 37; brass instruments are 18, 28 or 38. MUA 301—Junior Recital Preparation and MUA 401—Senior Recital Preparation are taken during the quarter the student performs the Junior or Senior Recital. The student enrolled in the recital preparation class will receive one hour credit and a twenty-five minute extra lesson per week. There is no applied music fee for registering in either of the recital preparation classes.

The above MUA sequential numbers are for music majors on their primary instruments only.

Music majors taking a secondary instrument and non-majors wishing to take applied music must register for one of the following course numbers: MUA 191N, MUA 192N, MUA 391N or MUA 392N.

**MUSIC ENSEMBLES**

Ensembles of various types are available. Participation in any specific music ensemble may require a brief audition 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: For non-music majors: not more than 15 hours in performing groups and applied music courses may apply toward satisfying the minimum of 190 hours required for a degree.

**TECHNIQUES AND CONDUCTING****MUS 111 a, b—BRASS CLASS**

Emphasis on acquiring a theoretical and practical knowledge of brass instruments. This approach includes instructional application through playing and the study of methods and materials.

**MUS 112 a, b—PERCUSSION CLASS**

Emphasis on acquiring a theoretical and practical knowledge of percussion instruments. This approach includes instructional application through playing and the study of methods and materials.

**MUS 113 a, b—STRING CLASS**

Emphasis on acquiring a theoretical and practical knowledge of string instruments. This approach includes instructional application through playing and the study of methods and materials.

**MUS 114—VOICE CLASS**

Emphasis on acquiring a theoretical and practical knowledge of the vocal instrument. This approach includes instructional application through singing and the study of methods and materials.

**MUS 115 a, b—WOODWIND CLASS**

Emphasis on acquiring a theoretical and practical knowledge of woodwind instruments. This approach includes instructional application through playing and the study of methods and materials.

**MUS 116 a, b, c—CLASS PIANO**

The study of elementary piano music, scales, transposition, harmonization of diatonic melodies and simple open score reading. Required for all non-keyboard majors each quarter until the piano proficiency is passed.

**MUS 119—GUITAR CLASS**

Group instruction in guitar.

**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 study of intermediate piano music, scales, cadences, transposition, harmonization of diatonic melodies and sightreading of Bach Chorales, simple compositions and open score. 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 permission 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.

**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.

**MUS 313—STRING PEDAGOGY**

The study of literature and teaching techniques for string instruments, to include: elementary to advanced bowing techniques, shifting, and vibrato.

**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.

**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 performing of "standards" by memory and the reading of chord symbols. (Infinite content course on a continuing basis.) Prerequisites: MUS 220 a,b,c or permission 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 permission 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 permission of instructor.

**MUS 326—VOCAL LITERATURE: ENGLISH/GERMAN**

A chronological study of the English/American art song and German *Lied* focusing on selected songs of representative composers in each stylistic period. Recommended for singers or for pianists with an interest in vocal accompanying. Prerequisites:

MUS 221 or permission of instructor.

### **MUS 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. Prerequisite: MUS 152, or permission 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. Prerequisite: MUS 152, or permission 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. Prerequisite: MUS 152, or permission 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, neo-classicism, 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 permission 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 approval 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—Composition Class or permission 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 approval of instructor.

### **MUS 356—COUNTERPOINT**

Practical writing experience in species, 18th-century, and 20th-century counterpoint. Prerequisite: MUS 231c and MUS 227c, or consent of instructor.

### **MUS 357—INSTRUMENTATION**

The study of traditional instrumental notation, ranges, and technical capabilities. Basic instrumental scoring techniques. Prerequisite: MUS 231c and MUS 227c or consent of instructor.

### **MUS 358—ANALYTICAL TECHNIQUES**

A study of 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 permission of instructor.

### **MUS 428 a, b, c—ADVANCED COMPOSITION**

Creative writing using techniques of the present including electronic music, multi-mixed and intermedia, theater music and computer music. Performance of works stressed. Required of B.M. students with composition emphasis during final recital preparation. Prerequisite: MUS 328c or approval of instructor.

### **MUS 450—JAZZ STYLES AND ANALYSIS**

The study of most of the major jazz styles which have been documented in recordings. Emphasis in post-1940 styles of big band, jazz combos and various rhythm sections, and in the musical analysis of those jazz styles. Prerequisites: MUS 227c; 231c; 360 or permission of instructor.

### **MUS 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 permission 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—Electronic/Digital Music I or permission 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. 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.

**PHI 350—LOGIC**

An introduction to both traditional and modern logic placing emphasis on developing the capacity to reason and think clearly. Topics include logical validity, formal and informal fallacies in reasoning, the syllogism and a brief introduction to the propositional calculus.

**PHI/ECO 351—HISTORY OF ECONOMIC  
THOUGHT**

A study of the development of modern economic analysis as evidenced in the writings of Smith, Ricardo, Malthus, Mill, Marx, Marshall, Keynes and others with attention to the historic and philosophical context. Prerequisite: ECO 250, 251.

**PHI/RS 352—GREAT MORAL  
PHILOSOPHERS**

An introduction to some of the moral points of view of the main ethical philosophers from antiquity to modern times. Readings will include selections from Plato, Aristotle, Hobbes, Hume, Kant and Mill as well as selections from the most influential contemporary philosophers.

**PHI 354—AESTHETICS**

A survey of two main problem areas: the Philosophy of the Arts and the Philosophy of Taste. Topics include the possibility of knowing what art is, the role of emotion in artistic creation and experience, and the possibility of proving judgments of aesthetic and artistic value.

**PHI 356—CONTEMPORARY MORAL  
PROBLEMS**

A course in applied ethics which provides a

philosophic discussion of the most salient ethical problems of the day. Typically the course will cover such topics as abortion, animal rights, euthanasia, capital punishment and suicide.

**PHI/PSC 365—ANCIENT AND MEDIEVAL POLITICAL THOUGHT**

See PSC 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.

**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.

**PHI 380—EXISTENTIALISM**

A study of the existentialist movement in philosophy from its origins to the present, showing how and why the movement began, what its authors advocate, and how it has been assessed by contemporary critics. Readings will include selections from Jaspers, Heidegger, Sartre, Marcel and others.

**PHI 399—SELECTED TOPICS IN PHILOSOPHY**

**PHI 450—GREAT THINKERS OF THE WEST I: SOCRATES THROUGH ST. AUGUSTINE**

The main ideas of Socrates, Plato, Aristotle, the Stoics, the Epicureans, Plotinus and St. Augustine and a consideration of how those ideas apply to our lives. Prerequisite: ENG 152 or sophomore standing recommended.

**PHI 451—GREAT THINKERS OF THE WEST II: DESCARTES THROUGH KANT**

The main ideas held by philosophers in the seventeenth and eighteenth centuries, tracing many of the positions that lead us to think as we do today. Thinkers included are Bacon, Hobbes, Descartes, Spinoza, Leibniz, Locke, Berkeley, Hume, Kant, Galileo, Kepler and Newton. Prerequisite: ENG 152 or sophomore standing recommended.

**PHI 458—PHILOSOPHERS OF THE NINETEENTH CENTURY: THE ROMANTIC REVOLT**

A survey of the main philosophers of the nine-

teenth century emphasizing their specific contributions to the history of ideas, including Hegel, Marx, Schopenhauer, Kierkegaard and Nietzsche. Prerequisite: ENG 152 or sophomore standing recommended.

**PHI 478—CONTEMPORARY PHILOSOPHY**

A survey of the main philosophical movements of the twentieth century primarily in the English-speaking world. The course will stress the importance of language in thinking about some of the traditional problems of philosophy, such as what can be known and what exists. Readings will include selections from Russell, Wittgenstein, Moore and others. Prerequisite: ENG 152 or sophomore standing recommended.

**PHI/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.

**PHI/PSY 562—HISTORY AND SYSTEMS OF PSYCHOLOGY**

See PSY 562 for course description.

**PHI 599—SELECTED TOPICS IN PHILOSOPHY**

**PHYSICAL SCIENCE**

Courses in physical science are offered by the Department of Physics.

**PHS 151—PRINCIPLES OF THE PHYSICAL UNIVERSE**

An elementary course dealing with selected topics in physics as an aid to understanding our modern age. Four one-hour lectures and two laboratory hours per week. No credit allowed if taken after any other college physics course. May not be taken by students enrolled in learning support mathematics.

**PHS 152—GENERAL ASTRONOMY**

A study of the motions and constitution of the solar system, stars and other celestial bodies. Theories of evolution of celestial bodies and the universe are considered in addition to the instrumentation used by astronomers.

**PHS 575—HISTORY OF PHYSICAL SCIENCE**

A study of the development of man's knowledge of the physical universe, primarily in the fields of

chemistry, physics and astronomy. Emphasis is placed on the development of ideas, men who made major contributions and philosophical implications of man's knowledge of the universe. Prerequisites: one year of chemistry and one year of physics or consent of instructor.

### **PHS 599—SELECTED TOPICS IN PHYSICAL SCIENCE**

## **PHYSICS**

Courses in physics are offered by the Department of Physics.

A. Woodrum, Chair

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 lec-

tures 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, super-conductivity and general theory of solid state electronic devices. Five lecture/demonstrations per week. Prerequisites: General College Physics and MAT 166.

#### **PHY 561, 562, 563—FUNDAMENTALS OF CLASSICAL PHYSICS**

A three-quarter sequence designed to provide physics majors and students of applied mathematics and engineering with the fundamentals of analytical mechanics and electromagnetism. Five lecture periods per week. Prerequisites: sophomore-level physics and MAT 350; PHY 468 is desirable.

#### **PHY 571—INTRODUCTION TO BIOPHYSICS**

The physics of living organisms. Emphasis on physical support, movement, sensory perception and the physical properties of plant and animal processes at the molecular and organismic levels of organization. Prerequisites: BIO 151-152 and PHY 251-252-253 or consent of instructor. Recommended 10 hours of chemistry.

#### **PHY 590—DIRECTED STUDY IN PHYSICS**

Independent study and laboratory work under faculty supervision. Topics of special need and interest to physics teachers and physics majors will be covered. Prerequisite: consent of instructor.

#### **PHY 599—SELECTED TOPICS IN PHYSICS**

## 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, ,

L. Taylor

Temporary Assistant Professors: D. Sabia,

B. Sharpe, S. G. Song

Part-time Assistant Professors: M. Classens,

G. Wood (joint appointment with Augusta College), F. Willis

Temporary Instructors: K. Cook,

Part-time Instructors: B. N. McKay

### PSC 250—AMERICAN GOVERNMENT

A study of the American government process with emphasis upon current problems and their roots in the past.

### PSC 251—THE AMERICAN LEGAL SYSTEM

A study of the American legal system depicted as a subsystem of the American political system.

Interrelationships between legal and political institutions will be developed and the American system of justice examined from this perspective. Open only to students in the Associate Degree in Justice Studies. Credit will not be given for this course and Political Science 355.

### PSC 260—INTRODUCTION TO POLITICAL SCIENCE

Introduction to the history, scope and methods of the discipline of political science. Required of all majors and minors in political science. *Note: Prerequisite to all Political Science courses numbered 300 and above, unless otherwise noted, is PSC 250. All majors and minors must also complete PSC 260.*

### PSC 350—STATE AND LOCAL GOVERNMENT

The forms of organization, the functions and the operations of the 50 state governments. Special attention will be given to the growing problems in the urban areas such as the interplay of politics, pressure groups and community power structures.

### PSC 351—PUBLIC OPINION AND POLITICAL BEHAVIOR

A review of the role of political parties, interest groups, political socialization, public opinion and election in the American system.

### PSC 352—POLITICAL PARTIES AND ELECTIONS

This course focuses on the institutions that connect individual voters to governmental structures. Specific attention is given to the evolution and function of the political party system and to the structure of the electoral process (at and below the presidential level).

### PSC 353—PRESIDENCY

An analysis of the political, constitutional, behavioral, administrative, symbolic and policy roles of the President. Attention is also paid to the linkages between the Presidency and the other major branches of government.

### PSC 354—CONGRESS AND PUBLIC POLICY

A study of the structures and processes at work in Congress and their influence on the content of national policy. Attention is also given to the connection between Congress and the other major branches of government.

### PSC 355—THE JUDICIAL PROCESS

An introduction to the judicial process which analyzes and evaluates the main institutions and considerations affecting the administration of justice under law. Cannot be taken for credit if student has already taken PSC 251.

### PSC/AS/AAS 356—AFRICAN AMERICAN POLITICS

Course develops a basic appreciation of the nature, processes, structures, and functions of African American politics in the domestic and international arena and how they differ from dominant assumptions, theories, approaches, and models in American politics. Focus on how to seek and maintain empowerment.

### PSC 357—PUBLIC ADMINISTRATION

An introduction to the study of the administrative process in American government with special attention focused upon the points between political branches and administrative agencies.

### PSC 358—CONSTITUTIONAL LAW I (GOVERNMENTAL POWERS)

A study of the constitutional development of the national government through landmark Supreme Court decisions. Topics include: judicial power, federalism, interstate commerce and equal protection.



**PSC 359—CONSTITUTIONAL LAW II  
(CIVIL LIBERTIES)**

The study of the Bill of Rights through landmark Supreme Court decisions. Topics include: freedom of speech, press and religion; search and seizure; and right to counsel.

**PSC/CAF 360—FILM AND POLITICS**

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

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

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

**PSC/PHI 365—ANCIENT AND MEDIEVAL  
POLITICAL THOUGHT**

An introduction to political theory using original texts drawn from the ancient and medieval period of Western and Non-Western Traditions. An exploration of important political concepts (e.g., citizenship, obligation, authority).

**PSC/PHI 366—MODERN POLITICAL  
THOUGHT**

An introduction to political theory using original texts drawn from the modern period. An exploration of the founding of modern ideological traditions (e.g. conservatism, liberalism, Marxism).

**PSC 367—RECENT AND CONTEMPORARY  
POLITICAL THOUGHT**

An introduction to political theory using original twentieth century texts. An exploration of important political concepts (e.g. class, democracy, authority).

**PSC/AS 368—AMERICAN POLITICAL  
THOUGHT**

Major contributions of American political thinkers and the relationship of these ideas to the institutional framework and socio-political forces in the United States. The course will explore the nature of some enduring questions and concepts which have influenced the origin and development of

competing American ideologies or philosophies.

**PSC/CAB 369—POLITICS AND THE MEDIA**

An examination of the role of mass media in the political process and the effects of the media on political attitudes and behavior. Prerequisite: PSC 250.

**PSC/AS 371—NATIVE AMERICAN LAW  
AND PUBLIC POLICY**

A study of the legal and political status of native American peoples and tribal governments. Topics include political and legal jurisdictional relationships among federal, tribal and state governments; the Indian Civil Rights Act; tribal hunting, fishing and water rights; and tribal economic development.

**PSC/WGS 372—WOMEN AND POLITICS**

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

**PSC 373—COMPARATIVE POLITICS:  
THEORY AND APPLICATION**

This course is designed to acquaint students with certain key concepts and methods of the comparative perspective. A comparative framework will be applied cross-nationally through the study of political institutions and of political behavior in Great Britain, France, Germany, Russia, China, and Japan.

**PSC 374—COMPARATIVE POLITICS:  
MODERNIZATION AND DEVELOPMENT  
OF NEW NATIONS**

This course will examine various analytical and comparative approaches to the nature of political change and stability in the Third World. It will focus on the political, economic and social factors conditioning the organization, administration and development of emergent nations.

**PSC/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 330—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 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

Associate Professors: J. Kennedy, D. Webster

Assistant Professors: R. Dewey, E. Enekwechi, W. McIntosh, John Murray, J. Steirn, M. Womack

Temporary Assistant Professors: J. Bullington, M. Nielsen, C. Sinisi

Temporary Instructor: D. Marshall

Part-Time Assistant Professor: C. Cone-Dekle

Part-Time Instructor: C. E. Kennedy

**PSY 150—INTRODUCTION TO PSYCHOLOGY**

This course provides a survey of the basic sub-

fields in psychology, emphasizing major principles and vocabulary in order to prepare the student for advanced courses. The student is encouraged to apply the principles to the understanding of human behavior in everyday life. Prerequisite for all upper-division psychology courses.

#### **PSY 210—CAREERS IN PSYCHOLOGY**

Reviews relevant research and theories of college student development; familiarizes students with career options in psychology at bachelor's, master's, and doctoral level; helps students clarify personal interests and career goals; and prepares them for job searching or admission to graduate school. Required of all psychology majors; course should be taken in sophomore year. Prerequisite: PSY 150.

#### **PSY 280—PSYCHOLOGICAL STATISTICS I**

An introduction to descriptive statistics for applications in psychology. Topics covered include frequency distributions, graphical presentations of data, measures of central tendency and dispersion, bivariate correlation and regression. Microcomputers are used for computational exercises. Required of all majors beginning fall, 1992. Prerequisite: PSY 150.

#### **PSY 284—MICROCOMPUTER APPLICATIONS IN PSYCHOLOGY**

This course acquaints the students with the ways microcomputers are used in the study and practice of psychology. The basic information necessary to the effective use of microcomputers is taught. Applications of word processing, spreadsheets, graphics and data base management are presented through laboratory and out-of-class assignments. In addition, the 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 Psychological Association. Ethical issues in psychological testing are considered. Prerequisite: PSY 150.

**PSY 380—PSYCHOLOGICAL STATISTICS II**

An introduction to inferential statistics for applications in Psychology. Topics covered include probability, sampling distributions and the logic of statistical inference, t-tests, analysis of variance, correlation, multiple regression, and non-parametric 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 381—PSYCHOLOGICAL STATISTICS**

An introductory course designed to acquaint the student with the use of descriptive and inferential statistics in psychological research. Emphasis is placed on selecting appropriate procedures and interpreting results. Microcomputers are used for the computational exercises. Required of all majors entering prior to fall 1992. Prerequisite: PSY 150.

**PSY 382—RESEARCH METHODS IN PSYCHOLOGY**

A laboratory course that provides the student with an understanding of fundamental principles underlying research methods in psychology. The student is acquainted with basic experimental procedures through classroom and laboratory instruction involving both class and individual

research projects. Required of all majors.

Prerequisites: PSY 150 and a grade of "C" or better in PSY 280 and PSY 380 (or PSY 381).

#### **PSY 391—RESEARCH EXPERIENCE**

Student works with a faculty member engaged in research in progress. Experience obtained varies depending on nature of project and stage at which student joins project. Variable credit: either 2 or 3 hours per quarter (3 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 non-humans. 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 Psychology) in a more research-oriented approach. Students learn methodological and ethical principles in this area through classroom lecture and discussion, laboratory exercises, and individual research projects on such topics as human learning and memory, attention, language, and problem solving. Prerequisites: PSY 150, either PSY 381 or PSY 280 and PSY 380, PSY 382, and PSY 452.

#### **PSY 553—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 fos-

ters 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), B. Wejnert (on leave)

Temporary Associate Professor: A. Ottesen

Assistant Professors: J. Crutchfield, D. Hill,

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

Temporary Assistant Professors: C. Edwards,

M. Hood, J. Zhang

Temporary Instructor: D. Hood

**SOC 150—INTRODUCTION TO SOCIOLOGY**

Introduces discipline of sociology and the sociological perspective as a tool for understanding one's culture. Content includes socialization (process of becoming social beings); effects of social class,

ethnic group, sex, age, family on ways people act, feel and think; patterns of conflict (interpersonal, intergroup, international) in social life; underlying causes of social change and social problems.

**SOC 270—INTRODUCTION TO SOCIAL WELFARE**

Introduces the history of the values, ideas, events and developments that have led to the current social welfare arrangements in western society—the welfare state.

**SOC/AS 350—SOCIAL PROBLEMS**

An analysis of American social problems using the sociological perspective. Problems in the areas of deviance, social inequality, social change and American institutions are covered. Prerequisite: SOC 150 or permission of instructor.

**SOC 351—MARRIAGE**

An in-depth analysis of the American dating and marriage system.

**SOC/AS 352—URBAN SOCIOLOGY**

The study of the origin of cities and the impact of modern urban life on the social, psychological, ecological and economic components of human societies. Prerequisite: SOC 150 or permission of the instructor.

**SOC/JS 354—GANGS, DRUGS, AND CRIMINAL JUSTICE**

Students will explore the links between gangs and the drug culture and will trace the development of gangs in U.S. society, examining how the Criminal Justice system might respond. Prerequisites: JS 251 or consent of instructor.

**SOC/WGS 355—SOCIOLOGY OF SEX ROLES**

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

**SOC 356—SELF AND SOCIETY**

Explores the relationship between the individual and the social milieu using the symbolic interactionist perspective. Surveys of the classic sociological expositions on the origins of the self and how it is shaped by society. Analyzes current research on processes of norm formation, identity management, socialization, interpersonal influence and role behavior. 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 socio-cultural issues surrounding death and the process of dying in society. A sociological analysis is presented of the definitions, meanings, attitudes, forms and rituals concerning death and dying in contemporary society.

**SOC 370—SOCIAL WELFARE POLICY AND SERVICES**

An introduction to the programs and services of the American welfare state. The history and current structure of policy and services are covered. Prerequisite: SOC 150 or permission of instructor.

**SOC 371—SOCIAL SERVICES AND AGING**

This course is designed to introduce the student to (1) the wide range of public, voluntary, and private social services available to the aged population in the U.S.; and (2) the methods used by human services professionals working with older populations. Prerequisites: SOC 150 or permission of the instructor.

**SOC 380—SOCIOLOGICAL THEORY**

Surveys and analyses of developing sociological theories. Required of sociology majors in the B.A. and B.S. (Applied) programs. Prerequisite: SOC 150.

**SOC 381—METHODS OF SOCIAL RESEARCH**

A review of social research methods with emphasis on design, data collection, measurement, survey and analysis. Required of all sociology majors. Prerequisites: SOC 150 and STA 255.

**SOC 399—SELECTED TOPICS IN SOCIOLOGY****SOC 450—POPULATION**

A study of demographic methodology, and acceptable frame of reference in the scientific analysis of population as a basis for sociological insight into the phenomena of human groups. Prerequisite: SOC 150 or permission of the instructor.

**SOC 452—COMMUNITY ORGANIZATION**

The study of the development and organization of human communities, including the contrasts in rural and urban community life. An overview of social problems confronting contemporary communities is provided together with an analysis of community development strategies appropriate to resolving these problems. Prerequisite: SOC 150.

**SOC 453—SOCIAL WORK AS A PROFESSION**

An examination of social work as a helping profession with emphasis on its goals, roles, values, skills and setting. The emphasis is on preparation for practice, and simulations casting the student into the helping role are used heavily. Prerequisite: SOC 150.

**SOC/RS 455—SOCIOLOGY OF RELIGION**

A theoretical treatment of religious institutions with emphasis on the structure and function of religion and the relationship between the religious institution and other social institutions. Prerequisite: SOC 150 or permission of the instructor.

**SOC/ANT/AS/AAS 457—THE RURAL SOUTH**

A study of the lifeways and social organization of rural society with emphasis on the South. Examines social institutions, community dynamics, social change and the cultural distinctions of the region. Prerequisite: SOC 150 or ANT 150 or permission of instructor.

**SOC/AAS 460—SOCIAL STRATIFICATION**

Theories of social class, caste and rank; social mobility in contemporary society. Prerequisite: SOC 150.

**SOC 461—PROGRAM EVALUATION**

An introduction to program evaluation as applied sociology. Evaluation research concepts and methods will be related to such topics as the need for program evaluation; some issues affecting its initiation, implementation, and utilization; and



what it means to view it as both process and result. Prerequisite: SOC 150.

#### **SOC 463—AGING**

A study of the impact of an aging population upon society and of the effects of the socially defined experience of aging upon the individual. Special issues such as retirement, life-style options, health, death, widowhood and creative aging are considered. Prerequisite: SOC 150 or permission of instructor.

#### **SOC/ANT 464—CULTURE AND PERSONALITY**

The role of culture in the development and functioning of human personality. Cross-cultural analyses of current and classical work in psychological anthropology. Prerequisite: ANT 150 or SOC 150.

#### **SOC 465—SOCIOLOGY OF EDUCATION**

The scientific study of social conditions that influence education with particular focus on the organization and process of education. Prerequisite: SOC 150.

#### **SOC 466. FIELDS OF CHILD WELFARE**

Designed to acquaint the student with the current philosophy and practice within the various fields of child welfare including family income maintenance programs, child protective service, adoption, foster care, institutional care of children, services to children in their own home, unmarried parents and their children, children and the courts, guardianship and special services to children. Prerequisite: SOC 150 or permission of the instructor.

#### **SOC 467—SOCIOLOGY OF HEALTH CARE**

A study of how disease affects human groups and how human groups react to disease. An examination of health care institutions, statuses and roles, beliefs and practices including newly emerging roles. Prerequisite: SOC 150.

#### **SOC 468—CULTURE AND PSYCHOPATHOLOGY**

Examination of mental illness from a cultural and social perspective. Epidemiological evidence relating to cultural and social variation in definition, identification and treatment. The subcultures of psychosis and treatment systems. Examination of theories of the relationships between culture and psychotic syndromes. Prerequisite: PSY 364 or permission of the instructor.

#### **SOC 470—THE SMALL GROUP**

An introduction to theory and research in small

group structure and process designed to increase one's ability in observing, diagnosing, and dealing with issues through small groups. Student participation in experiential exercises in which the student will be required to examine and analyze his/her own behavior and that of others is required. Prerequisite: SOC 150 or permission of the instructor.

#### **SOC 472—COLLECTIVE BEHAVIOR**

Study of social movements and such forms of collective behavior as mobs, crowds, rumors, riots and mass hysteria. Prerequisite: SOC 150 or permission of instructor.

#### **SOC 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**

#### **SPANISH**

See FOREIGN LANGUAGES

#### **SPEECH**

See COMMUNICATION ARTS

#### **THEATRE**

See COMMUNICATION ARTS

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

Women's and Gender Studies is an interdisciplinary field including courses offered by several departments.

C. Schille, Chair.

### **WGS 350—PERSPECTIVE ON WOMEN'S AND GENDER STUDIES**

A multi-disciplinary course designed to introduce students to the field of women's and gender studies. Students will examine traditional and alternative perspectives on women's and men's experiences.

### **WGS 399—SELECTED TOPICS IN WOMEN'S AND GENDER STUDIES**

### **WGS 491—SPECIAL PROBLEMS IN WOMEN'S AND GENDER STUDIES**

Independent study in an area of special interest directed by a faculty member. Open to juniors and seniors who minor or concentrate in Women's and Gender Studies.

### **WGS/CA 441—WOMEN AND MEDIA**

See CA 441 for course description.

### **WGS/CAS 349—COMMUNICATION AND GENDER**

See CAS 349 for course description.

### **WGS/ENG 5420—LITERATURE BY WOMEN**

See ENG 5420 for course description.

### **WGS/HIS 351—WOMEN IN AMERICAN HISTORY**

See HIS 351 for course description.

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

See HIS 387 for course description.

### **WGS/PSC 372—WOMEN AND POLITICS**

See PSC 372 for course description.

### **WGS/PSY 358—PSYCHOLOGY OF WOMEN**

See PSY 358 for course description.

### **WGS/SOC 355—SOCIOLOGY OF SEX ROLES**

See SOC 355 for course description.



## COLLEGE OF BUSINESS ADMINISTRATION

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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.

### OBJECTIVES

The objectives of the College of Business Administration are: to provide outstanding teaching to its students; to provide services to its constituents; and to provide the research to support the activities of the college.

### BACHELOR OF BUSINESS ADMINISTRATION

A student enrolling in the Bachelor of Business Administration program may major in Accounting, Economics, Finance, General Business, Information Systems, Logistics and Intermodal Transportation, Management, or Marketing. In addition, the following areas of emphasis may be chosen: Public Accounting or Managerial Accounting (major in Accounting); Agribusiness or International Business (major in Economics); Entrepreneurship/Small Business Management, Human Resources Management or Operations Management (major in Management); Advertising, Fashion Merchandising, Retailing Management or Sales and Sales Management

(major in Marketing); Banking, Risk Management and Insurance or Real Estate (major in Finance).

(Applies to all degrees in business)

1. All students are responsible for making certain that the catalog requirements have been met.
2. Prerequisites for taking courses in Business Area IV: ENG 151, and MAT 151 or equivalent and completion of 30 quarter hours of academic credit.
3. Students will be classified as pre-business majors until admitted as business majors. This will normally take place upon completion of Areas I, II, III, and Business Area IV of the core curriculum with a minimum adjusted cumulative GPA of 2.1. Business Area IV requires a minimum adjusted GPA of 2.0.
4. The specific requirements for admission and graduation are maintained in the deans' office, the departmental offices, and in the registrar's office.

### GENERAL REQUIREMENTS

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

MKT 255—Business Communications .....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

LST 352—Legal Environment of Business I

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.

BA 450—Business Policy

### MINOR OR UPPER DIVISION BUSINESS ELECTIVES AND FREE ELECTIVES

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

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

Plan B (Electives).

Upper Division Business Electives .....10 hours

Free Electives .....10 hours

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

### SPECIFIC REQUIREMENTS

#### ACCOUNTING

The accounting major educates students so that they can begin and continue to develop careers as professional accountants. The program provides both entry-level competence to make sound independent judgements and a foundation for career development. The student is prepared for a wide-range of professional careers in public practice, industry, finance, government, and other not-for-profit organizations. Students are also prepared for further study in law school or in graduate programs in accounting and business.

#### EMPHASIS IN PUBLIC ACCOUNTING

A student who chooses an emphasis in public accounting will be able to prepare for careers in auditing of financial statements, financial accounting, not-for-profit accounting and tax accounting.

*NOTE: This emphasis requires 40 hours in the major area plus Legal Environment of Business II. Since there are no upper division business electives, a minimum of 202 hours would be required if a student wishes to obtain a minor.*

#### Specific Requirements:

LST 353—Legal Environment of Business II .....5 hours

ACC 353—Intermediate Accounting I .....5 hours

ACC 354—Intermediate Accounting II.....5 hours

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).....5 hours

**EMPHASIS IN AGRIBUSINESS**

A student who majors in economics may elect an emphasis in agribusiness. This curriculum provides an opportunity for students to learn how the economic system operates as well as the role of agriculture in the economy. Excellent career opportunities are available in industries allied with agriculture, including those engaged in transportation, distribution, marketing and processing farm products as well as agricultural banking and credit agencies.

**Specific Requirements:**

ECO 352—Managerial Economics.....5 hours

ECO 355—Agribusiness Analysis.....5 hours

ECO 356—Global Economic Problems ....5 hours

ECO 358—Agricultural Markets and

Price Analysis.....5 hours

ECO 359—Analysis of the Aggregate

Economy.....5 hours

ECO 451—Economic Development .....5 hours

ECO 457—Agriculture Policy .....5 hours

**EMPHASIS IN INTERNATIONAL BUSINESS**

A student who majors in economics may elect an emphasis in international business. This curriculum prepares a student to deal with the problems and opportunities of international trade, international finance, global economic markets and multinational organizations. Career opportunities exist with multinational corporations as well as those institutions, such as banks, which serve the needs of international firms.

**Specific Requirements:**

ECO 352—Managerial Economics.....5 hours

ECO 356—Global Economic Problems ....5 hours

ECO 359—Analysis of the Aggregate

Economy.....5 hours

FIN 553—International Finance.....5 hours

MGT 563—International Management .....5 hours

MKT 465—International Marketing.....5 hours

ECO 451—Economic Development .....5 hours

ECO 458—International Economics or

LST 360—International Business Law .....5 hours

**FINANCE**

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

**Requirements:**

FIN 352—Financial Institutions .....	5 hours
FIN 355—Investments .....	5 hours
FIN 457—Corporation Finance II.....	5 hours
Finance electives (chosen with advisor) ..	20 hours

**EMPHASIS IN BANKING**

The emphasis in banking is designed to allow a student to specialize in the management of financial institutions, especially banks.

**Requirements:**

FIN 352—Financial Institutions .....	5 hours
FIN 355—Investments .....	5 hours
FIN 457—Corporation Finance II.....	5 hours
FIN 454—Bank Management I.....	5 hours
FIN 458—Bank Management II .....	5 hours
FIN 460—Banking Law.....	5 hours
Finance elective (FIN 455 or FIN 553 or LST 353) .....	5 hours

**EMPHASIS IN RISK MANAGEMENT AND INSURANCE**

A student who selects insurance will be provided with a valuable background to enter this growing field of business activity.

**Requirements:**

FIN 352—Financial Institutions .....	5 hours
FIN 355—Investments .....	5 hours
FIN 457—Corporation Finance II.....	5 hours
FIN 357—Life and Health Insurance.....	5 hours
FIN 358—Property and Casualty Insurance .....	5 hours
FIN 359—Risk Management .....	5 hours
One 5 hour finance elective .....	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.

**Requirements:**

FIN 352—Financial Institutions .....	5 hours
FIN 355—Investments .....	5 hours
FIN 457—Corporation Finance II.....	5 hours
FIN 356—Principles of Real Estate .....	5 hours
FIN 451—Real Estate Law.....	5 hours
FIN 452—Real Estate Appraisal.....	5 hours
FIN 459—Advanced Real Estate.....	5 hours

**GENERAL BUSINESS**

This major is designed to give the student a background in the broad field of business administration without specializing in any particular func-

tional discipline. The student in general business must, with the approval of an advisor, select 35 hours of upper division business courses to complete the major requirement. Courses must be taken in at least two different functional areas (accounting, economics, finance, information systems, management, and marketing), and no more than 20 hours may be taken in a single functional area.

**INFORMATION SYSTEMS**

The computer has become a major factor in modern business organizations; correspondingly there has been an increasing need for information systems personnel. A student may elect a major in information systems which is designed to provide him or her with an in-depth knowledge of the use of computers in organizations. The information systems major stresses the management of the data function, the tools and techniques of systems analysis, and computer programming and the development of information systems. The requirements for a major in information systems are shown below:

MGT 370—Organizational Behavior and Organizational Politics .....	5 hours
CIS 381—Introduction to Computer Programming .....	5 hours
CIS 382—COBOL Programming .....	5 hours
CIS 384—Systems Analysis and Design .....	5 hours
CIS 488—Applied Database Systems.....	5 hours
CIS 489—IS Development & Implementation .....	5 hours
One Information Systems Elective chosen from the following list (approved by an advisor).....	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	

**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.

#### 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	

#### 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 help 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. This degree requires that the following courses be included in the major:

MGT 370—Organizational Behavior and Organizational Politics .....	5 hours
MGT 475—Management Information Systems.....	5 hours
Upper Division Management Electives (Approved by an advisor).....	25 hours

#### THE MANAGEMENT MAJOR WITH AN EMPHASIS IN ENTREPRENEURSHIP/ SMALL BUSINESS MANAGEMENT

This emphasis is designed for persons who have career aspirations that entail developing, starting, and managing businesses for profit. The distinguishing characteristic of the emphasis is that it will focus on teaching students how to assume total profit responsibility for a business enterprise. This necessarily entails the calculation of profit for a business operation as a whole. This emphasis will especially appeal to those who are self-motivated and who enjoy thinking for themselves and expressing their own ideas in their environments. This emphasis requires that the following courses be included in the concentration:

MGT 370—Organizational Behavior and Organizational Politics .....	5 hours
MGT 371—Human Resource Management.....	5 hours
MGT 375—Entrepreneurship .....	5 hours
MGT 376—Small Business Management	5 hours
MGT 377—Applied Small Business Management.....	5 hours
MGT 475—Management Information Systems.....	5 hours
Upper Division Management Electives (Approved by an advisor).....	5 hours

#### THE MANAGEMENT MAJOR WITH AN EMPHASIS IN HUMAN RESOURCE MANAGEMENT (HRM)

The human resource management emphasis allows a student to specialize in the study of personnel administration. This emphasis requires that the following courses be included in the concentration:

MGT 370—Organizational Behavior and Organizational Politics	
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

**THE MANAGEMENT MAJOR WITH AN EMPHASIS IN OPERATIONS MANAGEMENT(OM)**

The operations management emphasis allows the student to prepare for positions in manufacturing, operations, and similar industries. This emphasis requires that the following courses be included in the concentration:

- MGT 370—Organizational Behavior and Organizational Politics.....5 hours
- MGT 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
- 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

**MARKETING**

Preparation in this area will provide the student with an awareness of the marketing problems confronting today's business firms, some knowledge and experience in application of the tools and techniques of marketing problem solving and a more detailed acquaintance with one or more specific areas of the marketing discipline. Students may choose to major in general marketing or in one of the five emphasis areas under marketing. No MKT/FM course in the 360 series will qualify as a marketing elective in this major.

**THE MARKETING MAJOR WITHOUT AN AREA OF EMPHASIS**

The general marketing track is the least specialized and supports the largest number of career opportunities in the field of marketing.

**Specific Requirements:**

- MKT 351—Principles of Advertising, or;
- 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

<b>MKT 454—Retail Management</b>	
Problems .....	5 hours
<b>MKT 455—Marketing Management</b> .....	5 hours
<b>Marketing Elective</b> .....	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:

<b>MKT 351—Principles of Advertising</b> .....	5 hours
<b>MKT 352—Professional Selling</b> .....	5 hours
<b>MKT 353—Industrial Marketing</b> .....	5 hours
<b>MKT 452—Marketing Research</b> .....	5 hours
<b>MKT 455—Marketing Management</b> .....	5 hours
<b>MKT 456—Sales Management</b> .....	5 hours
<b>Marketing Elective</b> .....	5 hours

### BACHELOR OF ARTS IN ECONOMICS

These requirements are listed for this major in the College of Arts and Sciences section of this catalog.

## COURSE DESCRIPTIONS

### COLLEGE OF BUSINESS ADMINISTRATION

Carl W. Gooding, Dean

William B. Carper, Associate Dean

To achieve efficiently both a sound liberal education and substantial professional education at the undergraduate level, it is necessary that students preparing for careers in business administration take all courses listed in the curriculum in regular sequence.

### TRANSFER STUDENTS

The specific transfer credits which will apply toward a degree program in business administration are determined by the dean of the College of Business Administration. The transfer credits approved by the dean of the College of Business Administration will in no case exceed those credits allowed by the director of admissions. Allowance of transfer credit by the director of admissions does not mean necessarily that all such credit will be accepted toward a particular major within the College of Business Administration.

Transfer students with advanced standing not having credit for lower level courses should expect to make up any deficiencies at the earliest opportunity.

A junior or senior level course taken when the

student is a freshman or sophomore will not be acceptable, unless approved by the dean of the college.

### BUSINESS ADMINISTRATION

#### BA 150—INTRODUCTION TO BUSINESS

A survey course that will acquaint the beginning college student with the major institutions and practices in the business world, provide an understanding of basic business concepts and present a view of the career opportunities which exist in business.

#### BA 351—BUSINESS ETHICS

An issue oriented inquiry into normative ethical conduct for businessmen.

#### BA 450—BUSINESS POLICY

A capstone course to integrate all the respective areas of business. Special emphasis is given to determining business objectives as well as the application and use of business tools to achieve these objectives. Prerequisite: Senior standing, completion of the upper division business core, and last two quarters prior to graduation.

#### BA 499—COOPERATIVE EDUCATION

This non-credit course can only be used by students enrolled in Georgia Southern's Cooperative Education Program.

### DEPARTMENT OF ACCOUNTING

Courses in accounting and legal studies are offered by the Department of Accounting.

K. Fortin, Chair

Professors: K. Fortin, O. James (Emeritus),

L. Hamilton, P. LaGrone (Emeritus),

J. Martin, H. O'Keefe, N. Quick (Emeritus)

Associate Professors: M. Blodgett, R. Landry,

W. Bostwick, N. Wagner,

Assistant Professors: L. Fletcher, W. Francisco,

H. Harrell, K. Johnson, L. Mooney, D. Satava,

K. Williams, S. Wise, H. Wright

Instructors: H. Fielding, W. Moore, A. Parham

#### ACC 251—PRINCIPLES OF ACCOUNTING I

A survey of the accumulation and use of financial information.

#### ACC 252—PRINCIPLES OF ACCOUNTING II

A continuation of Principles of Accounting I.

Prerequisite: ACC 251.

#### ACC 260—A SURVEY OF ACCOUNTING

A survey of the use of accounting information for economic decisions. Prerequisite: none (Not open to BBA students, and will not substitute for ACC 251.)

### **ACC 353—INTERMEDIATE ACCOUNTING I**

Introduction to accounting theory and practice at the professional level. Prerequisite: ACC 252, and a 2.5 GPA in ACC 251 and 252 or consent of instructor.

### **ACC 354—INTERMEDIATE ACCOUNTING II**

A continuation of ACC 353. Prerequisite: A "C" or better in ACC 353 or consent of instructor.

### **ACC 355—MANAGERIAL ACCOUNTING I**

A study of job order and process cost accounting systems and the use of standard costs for management control. Prerequisite: A "C" or better in ACC 354 or consent of instructor.

### **ACC 360—TAX ASPECTS OF MANAGEMENT DECISIONS**

An introduction to federal taxation implications for business and financial management.

Prerequisite: none. (Open to both BBA and non-BBA students, but will not substitute for ACC 552 or 553.)

### **ACC 451—ADVANCED ACCOUNTING**

Accounting practice relating to partnerships, home office and branch operations, consolidated financial statements, foreign exchange, and fund accounting. Prerequisite: A "C" or better in ACC 354 or consent of instructor.

### **ACC 453—ACCOUNTING INFORMATION SYSTEMS**

A study of accounting information 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 relat-

ing 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 352—LEGAL ENVIRONMENT OF BUSINESS I**

A study of primary factors influencing American business transactions in the international environment, including a review of legal thought and ethical practices, the U.S. Constitutional and regulatory framework, common law governing the contracting process, and the Uniform Commercial Code on Sales. Prerequisite: Completion of 80 credit hours of coursework.

### **LST 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, L. Price (Emeritus),

D. Weisenborn (Emeritus), W. Whitaker

Associate Professors: E. Davis, S. Forbes,

M. Jones, W. Levernier, D. Rickman,

J. White

Assistant Professors: J. Budack, J. Hatem,

M. Partridge, W. Smith, L. Stewart

Temporary Instructors: T. Coe, F. Kitchens,

J. Partridge, M. Yanochik

#### **ECO 250—PRINCIPLES OF ECONOMICS I**

Introduction to economic analysis and policy. A study of the market economy, with emphasis on the determinants of national income and the level of employment; money and banking; and economic fluctuations and growth.

#### **ECO 251—PRINCIPLES OF ECONOMICS II**

Analysis of economic activity from the viewpoint of the individual firm. Emphasis on supply and demand analysis, elasticity, cost of production, pricing and output under market conditions, and resource pricing and employment.

#### **ECO 260—BASIC ECONOMICS**

A one-quarter survey course designed for non-business majors. The purpose is to develop an understanding of economic concepts and policies to aid in the analysis of economic problems. The course covers both the areas of macro- and micro-economics.

#### **ECO 295—ACCELERATED PRINCIPLES OF ECONOMICS**

A course, encompassing the subject matter covered in Economics 250 and 251, designed for the student with a 3.0 GPA or higher. Five hours of credit is granted for successful completion of this accelerated course. Prerequisite: Invitation from department.

#### **ECO 350—GOVERNMENT AND BUSINESS**

A survey of public policies which most directly affect the operations of individual firms and industries with emphasis on policy setting, regulation and public enterprise. Prerequisite: Economics 251 or consent of the instructor.

#### **ECO/PHI 351—HISTORY OF ECONOMIC THOUGHT**

Study of the development of modern economic analysis as evidenced in the writings of Smith, Ricardo, Malthus, Mill, Marx, Marshall, Keynes, and others with attention to the historic and philosophic context. Prerequisite: Economics 250 and 251 or consent of the instructor.

#### **ECO 352—MANAGERIAL ECONOMICS**

Microeconomics and its application to decision-making and policy formulation in the business firm; demand and supply analysis, price procedures, market structure, and case studies.

#### **ECO 353—MONEY AND BANKING**

See Finance 353.

**ECO 354—LABOR ECONOMICS**

A study of labor market analysis; economics of trade unionism, legislation and jurisprudence; wage and collective bargaining theory. Prerequisite: Economics 250 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: Economics 250 and 251.

**ECO 356—GLOBAL ECONOMIC PROBLEMS**

A study of international trade, finance, and development. Free trade, barriers to trade, foreign direct investment, exchange rates, capital mobility, economic growth patterns, and technological change will be analyzed. Current worldwide economic problems will be featured.

**ECO 357—ECONOMICS OF PROPERTY RIGHTS**

The most modern approach to economic analysis which examines the incentives produced by prevailing property rights structure within our society and their 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.

**ECO 359—ANALYSIS OF THE AGGREGATE ECONOMY**

The study of the forces which determine the level of income, employment, inflation, interest rates, and output with particular attention on the effects of government monetary and fiscal policy. Prerequisites: ECO 250 and ECO 251 or consent of the instructor.

**ECO 374—FARM MANAGEMENT**

Study of the tools available for agricultural decision making, acquisition and organization of the factors of agricultural production, and efficient management of the organized farm. Prerequisite: Economics 250 and 251.

**ECO 380—CONSUMER ECONOMICS**

An analysis of various economic problems faced by the average consumer functioning in the present

day economic society. Emphasis is placed on those economic problems most seriously affecting consumers and the policies designed to correct these problems. This survey course is designed for non-business majors. Business majors may take this course if approved by their advisor.

**ECO 430—READING FOR HONORS IN ECONOMICS**

**ECO 451—ECONOMIC DEVELOPMENT**  
Economic analysis of growth patterns and technological change, with emphasis on macroaspects of development planning and strategy; case studies. Prerequisite: Economics 250, 251 or consent of the instructor.

**ECO 452—COMPARISON OF CAPITALIST, SOCIALIST AND COMMUNIST ECONOMIC SYSTEMS**

A critical and analytical study of different solutions to the problems of production, distribution and growth in the major market and command-type economics. Introduction to Marxian economic theory. Prerequisite: Economics 250 and 251, or consent of the instructor.

**ECO 456—INTRODUCTION TO ECONOMETRICS**

Students are introduced to special topics in mathematical statistics requisite to understanding econometrics and its application. Special emphasis attached to demand, production, and cost analysis. Prerequisite: Economics 250, 251.

**CO 457—AGRICULTURAL POLICY**

Analysis of the causes, nature, and effects of government participation in agriculture. Emphasis is upon the formulation and administration of agricultural policy and the role of various interest groups in each of the major agricultural product markets. Prerequisite: Economics 250, 251 and senior standing.

**ECO 458—INTERNATIONAL ECONOMICS**

An in-depth examination of the theory, policy, and current issues of international trade and exchange rate systems. Topics will include trade barriers, forces of economic integration, foreign exchange markets and exchange rate analysis under different exchange rate systems. Prerequisites: ECO 250, ECO 251, and ECO 356, or consent of the instructor.

**ECO 462—AMERICAN ECONOMIC HISTORY**

See History 462.

**ECO 485—PUBLIC FINANCE**

See Finance 485.

**ECO 560—CURRENT ECONOMIC PROBLEMS**

A study of today's most important economic problems and their impact on and interaction with the overall economic system. Various tools of economic analysis are introduced and developed in analyzing each problem.

**ECO 596—SPECIAL PROBLEMS IN ECONOMICS****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 252 and ECO 251.

**FIN 352—FINANCIAL INSTITUTIONS**

The study of financial institutions and their role in financial markets. Prerequisites: ACC 251, ACC 252, ECO 250, and ECO 251, or consent of instructor.

**FIN 353—MONEY AND BANKING**

A study of monetary standards, currency system of the United States, problem of inflation, and deflation. Federal Reserve System, commercial banks, and credit market, international exchange and monetary theory. Prerequisite: ACC 251 and ECO 250.

**FIN 355—INVESTMENTS I**

Covers the field of investment with major emphasis on the securities market, common stocks, and government and industrial bonds. Prerequisite: FIN 351.

**FIN 356—PRINCIPLES OF REAL ESTATE**

Covers the ownership of property, transfer of title, liens, appraisals, and the real estate cycle.

**FIN 357—LIFE AND HEALTH INSURANCE**

A study of the functions and uses of life and health insurance as applied to the operation of the modern business organization and to individual situations.

**FIN 358—PROPERTY AND CASUALTY INSURANCE**

A study of the important property and liability

insurance coverages available, with an emphasis on the application of these coverages to personal and business exposures.

**FIN 359—RISK MANAGEMENT**

A course designed to acquaint the student with an understanding of pure-loss, the nature of risk management and role of the risk manager. Emphasis is placed on the recognition, measurement and treatment of pure risks in business and governmental organizations. Prerequisite: junior standing.

**FIN 375—COMPUTERS IN FINANCE**

Study of the growing role of the use of computers in financial institutions and in corporate financial management. Prerequisite: junior standing.

**FIN 451—REAL ESTATE LAW**

The study of real property law to include leases, deeds, trusts, and mortgages.

**FIN 452—REAL ESTATE APPRAISAL**

The study of the value of real estate and of ownership rights in real estate.

**FIN 453—INSURANCE LAW**

A study of the legal concepts and doctrines applicable to the field of insurance. Basic legal problems of the major branches of insurance are dealt with including fire, marine, casualty, life, workers' compensation and governmental insurance programs.

**FIN 454—BANK MANAGEMENT I**

A study of the theory and operation of the commercial bank with emphasis on bank management. Prerequisite: FIN 352 or FIN 353 or consent of instructor.

**FIN 455—INVESTMENTS II**

A study of price determination and behavior in the major capital markets as a basis for security analysis. Prerequisite: FIN 353.

**FIN 456—BUSINESS FLUCTUATIONS AND FORECASTING**

A study of the methods of forecasting business conditions. Uses business indicators.

**FIN 457—CORPORATION FINANCE II**

A study of capital budgeting, financing, capital structure, dividend policy, and valuation. Prerequisite: FIN 351, senior standing, or consent of the instructor.

**FIN 458—BANK MANAGEMENT II**

The management of financial institutions, especially commercial banks. Case studies and selected reading in such areas as lending policy, investment policy, reserve management, bank opera-

tions, and competition among financial institutions. Prerequisite: permission of instructor.

#### **FIN 459—ADVANCED REAL ESTATE**

A study of current topics of interest and importance in real estate with emphasis on real estate investment and financing. Prerequisite: FIN 356.

#### **FIN 460—BANKING LAW**

A study of the legal concepts applicable to the field of banking. Basic problems dealt with include regulations of banking activity, bank holding companies, the regulation of non-traditional banking activity, formation of new banks and or branches, trust powers, antitrust problems, commercial paper, FDIC and international banking.

#### **FIN 485—PUBLIC FINANCE**

The facts and theories of American public finance; expenditures, revenues, fiscal administration; intergovernmental fiscal relations, government borrowing, and fiscal policy. Prerequisite: FIN 352 or FIN 353, senior standing, or consent of instructor.

#### **FIN 553—INTERNATIONAL FINANCE**

Integrates money and banking with international finance, stressing the evolving nature of the international monetary mechanism. Discusses proposed reforms in gold, exchange rate, and reserves. Prerequisite: FIN 352 or FIN 353 or consent of instructor.

#### **FIN 554—ESTATE MANAGEMENT**

Solving of individual estate management problems by combining principles of investment, insurance, and taxation. Prerequisite: FIN 355 and 357 or ACC 552.

#### **FIN 596—SPECIAL PROBLEMS IN FINANCE**

Independent study and research in selected areas of finance under supervision of a member of the faculty. Prerequisite: consent of the instructor.

#### **FIN 599—INTERNSHIP IN FINANCE**

This internship is designed to allow upper division students in finance an opportunity to receive practical experience in their chosen field of study. Prerequisite: Junior-Senior standing and prior approval of department chair

### **DEPARTMENT OF MANAGEMENT**

Courses in information systems and management are offered by the Department of Management.

W. McCartney, 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. Evans, L. Smith

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

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

#### **CIS 381—INTRODUCTION TO COMPUTER PROGRAMMING**

This course provides a thorough introduction to computer programming using a high-level programming language. The course contains a strong emphasis on fundamentals of computer architecture, data representation and logic development, and includes the concept of structured programming and the application of fundamental data structures. Prerequisite: CIS 251 or consent of instructor. 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 or consent of instructor.

**CIS 486—INFORMATION RESOURCE MANAGEMENT**

A study of the management of the organization's information system function from the perspective of information as a critical organization resource. Emphasis will be on information systems planning, and managing the information systems applications portfolio. Prerequisites: CIS 381 and CIS 384 or consent of instructor.

**CIS 488—APPLIED DATABASE SYSTEMS**

An applied study of business databases, their design and implementation. The focus of the course is on application development with fourth generation systems. Applications using a third generation host language and application generators are used to demonstrate concepts and techniques. Prerequisite: 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.

**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 aerospace industry and its major segments. Federal regulations and their impact on the marketing of air transportation services, passenger and cargo, will also be discussed, as will the interface with other modes of transportation. Prerequisite: MKT 350

**MGT 351—MANAGEMENT AND ORGANIZATIONAL BEHAVIOR**

A survey course of the field of management. This course examines the various perspectives on managing organizations and the basic management functions of planning, organizing, motivating, and



controlling. Other organizational behavior topics such as leadership, communication, decision-making and power and influence are also discussed. Prerequisite: Completion of 80 credit hours of coursework or consent of instructor.

#### **MGT 354—BUSINESS STATISTICS**

An introductory course dealing with the concepts and techniques concerning frequency distributions, central tendency and variation, probability, sampling, statistical inference, regression and correlation. Prerequisites: MATH 155, completion of 80 credit hours of coursework or consent of instructor.

#### **MGT 355—DECISION SCIENCE**

Analysis of the scientific decision-making methods of modern day managers. Includes probability theory, decision making under certainty and uncertainty, inventory models, linear programming, Markov analysis, and queuing models. Prerequisite: MGT 354 or consent of instructor.

#### **MGT 357—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 the history and the functions of labor organizations with references to such areas as trade unions and public policy; the structure, government, and objectives of trade unions; the collective bargaining process, and the labor market. Prerequisite: MGT 351 or consent of instructor.

#### **MGT. 370—ORGANIZATIONAL BEHAVIOR AND ORGANIZATIONAL POLITICS**

A study of manager, individual and group interactions within the organizational setting concluding with an analysis of leadership and current developments in changing the behavior of individuals and groups in organizations. Prerequisite: MGT 351 or consent of instructor.

#### **MGT 371—HUMAN RESOURCE MANAGEMENT**

A global overview of human resource management activities including human resource planning, job analysis, staffing, training, establishing compensation programs, evaluating employee performance, and carrying out human resource audits. Prerequisite: MGT 351 or consent of instructor.

#### **MGT 372—ORGANIZATIONAL DEVELOPMENT**

A study of the history of organization development, its basic assumptions, values, interventions, and techniques. Latest developments in usage, new areas of expansion, methods of research, and evaluations of capabilities and limitations will be examined. Prerequisite: MGT 351 and MGT 370, or consent of instructor.

#### **MGT 375—ENTREPRENEURSHIP**

A study of the business formation process focusing on the behaviors of entrepreneurs and the creation of new businesses in dynamic environments. Prerequisite: MGT 351 or consent of instructor.

#### **MGT 376—SMALL BUSINESS MANAGEMENT**

This course provides a complete coverage of small business operations with proper balance between business functions and the management function. Prerequisite: MGT 351 or consent of instructor.

#### **MGT 377—APPLIED SMALL BUSINESS MANAGEMENT**

An applied study of actual small businesses. Involves developing a major case project tailored to the needs of an actual business. Prerequisites: MGT 375 and MGT 376, or consent of instructor.

**MGT 390—HONORS QUANTITATIVE METHODS**

An integrated course in quantitative methods which focuses on the integration of both statistical techniques and deterministic optimization techniques in the decision making process. This course substitutes for both MGT 354 and MGT 355. Prerequisites: MAT 155, CIS 251 or equivalent, junior standing, and consent of the instructor.

**MGT 391—HONORS MANAGEMENT AND ORGANIZATIONAL BEHAVIOR**

An integrated course encompassing the principles of management and organizational behavior. This course substitutes for both MGT 351 and MGT 370. Prerequisites: Junior standing and consent of the instructor.

**MGT 461—STAFFING, TRAINING, AND DEVELOPMENT**

A study of human resources planning, recruiting, and selection followed by a detailed investigation of training programs, evaluation of training, and personnel development. Quantitative techniques and the use of state of the art computer capabilities are emphasized throughout the course. Prerequisites: MGT 351 and MGT 354 or consent of instructor.

**MGT 463—EMPLOYEE BENEFITS**

Employee benefit programs will be examined as part of an overall compensation program. The planning, executing, and evaluating of these programs will be studied as well as program cost estimation. Special attention will be given to relationships of benefit programs on employee attrition and productivity. Legal requirements will be integrated into all topics. Prerequisite: MGT 351 or consent of instructor.

**MGT 471—MANAGING IN NOT-FOR-PROFIT ORGANIZATIONS**

A study of the unique aspects of managing not-for-profit organizations. Planning, organizing, directing, and controlling functions, as previously learned, are applied to the not-for-profit organization and human resource management techniques are considered for the sector. Further, the role in society of the not-for-profit organization is examined. Prerequisites: MGT 351, MKT 350, FIN 351, and LST 352 or consent of instructor.

**MGT 472—COMPENSATION MANAGEMENT**

A study of the fundamentals of wages and salaries in business organizations, the historical

and legal trends in wage administration, the role of job analysis and performance appraisal in establishing a sound wage and salary program, and the basic ingredients of an effective compensation program. Prerequisite: MGT 351 or consent of instructor.

**MGT 473—CASE PROBLEMS IN MANAGEMENT**

Presents for analysis, discussion, and solution case-problems, descriptions of actual situations met in day-to-day operation of business enterprise which require managerial action. Prerequisite: senior standing, MGT 351 or consent of instructor.

**MGT 474—RESEARCH AND DEVELOPMENT**

This course seeks to identify the operational characteristics, organization, and structure of enterprises facing complex unstructured task environments directed toward the management of innovation. Specific cases and exercises which require the application of both organization theory and management science techniques are analyzed in detail. Prerequisites: MGT 351 and MGT 355, or consent of instructor.

**MGT 475—MANAGEMENT INFORMATION SYSTEMS**

A survey of information systems for management decision-making in organizations. Emphasis is on the use of information systems in the administrative process. Prerequisites: CIS 251 and MGT 351, or consent of instructor.

**MGT 476—ADVANCED OPERATIONS MANAGEMENT**

A continuation of the operations management series with emphasis on applications and quantitative and qualitative solutions to production case problems plus a study of the development and application of standard costs and manufacturing planning and control systems. Prerequisites: MGT 355, MGT 361, 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 511—EXECUTIVE LEADERSHIP SEMINAR**

This course will consist of invited guest lecturers executives (from industry, government, and edu-

cation) 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 multi-national 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), A. Moxley (Emeritus), C. Swift

Instructors: S. Hodges, J. Jones, A. Oestreich,

W. Smith, S. Williams, C. Woody

#### **MKT 255—BUSINESS COMMUNICATIONS**

The objectives of this course are to acquaint the student with the functional importance of communications in business management and to teach the techniques of written and oral communication. The use of correct and forceful English is

stressed in the assigned writings which include a variety of methods of collecting data. Students are given practice in all types of business communications. Prerequisites: English 151 and 152.

#### **MKT 350—PRINCIPLES OF MARKETING**

A basic survey of the field of marketing with emphasis upon the problems of policy determination and marketing management. Consideration is given to the international and ethical aspects of marketing decisions. Prerequisite: Completion of 80 credit hours of coursework.

#### **MKT 351—PRINCIPLES OF ADVERTISING**

Management of advertising by clients and agencies. Budgeting, research, media selection, preparation of advertisements, and economic and social impact of advertising. Prerequisite: MKT 350 or consent of instructor.

#### **MKT 352—PROFESSIONAL SELLING**

A study of the methods of selling. Topics covered include analysis of prospects, knowledge of merchandise and its 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—INDUSTRIAL 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 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.

**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. Prerequisite: MKT 354.

**MKT 452—MARKETING RESEARCH**

The role of research in the solution of marketing problems. Emphasis is on available data analysis and methods of 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.

**MKT 457—SERVICES MARKETING**

An in-depth analysis of the application of marketing theory and methods to services marketing. Emphasis is placed upon the unique problems associated with the marketing of services and the design and implementation of marketing strategies for service firms. Prerequisite: MKT 350.

**MKT 458—ADVERTISING MANAGEMENT AND POLICIES**

Critical analysis of problems such as advertising budgets, client-agency relationships, advertising account management, media management, administration and control, media planning. Prerequisite: MKT 351.

**MKT 459—ADVERTISING CAMPAIGNS**

The study of multi-media advertising campaigns with special emphasis on setting advertising objectives, developing advertising strategies, and executing those strategies in the marketplace. Students, working in groups, will prepare and present an advertising campaign. Prerequisite: MKT 350 and MKT 458.

**MKT 460—ADMINISTRATIVE COMMUNICATION**

Both theory and practice of oral and written communications in the business organization are stressed. Emphasis is placed upon individual and group performance, relating this to communication theories, briefing procedures for staff and board meetings, and concepts of semantics for clarity in communication. Prerequisite: MKT 255 or equivalent. Does not count as a marketing elective. MKT

**MKT461—BUYER BEHAVIOR**

Application of the behavioral science approach to analysis of buyer behavior, both final consumer and industrial. Individual, social and socio-cultural factors are studied. Prerequisite: MKT 350.

**MKT 465-665—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 preapproved 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. Course requirements for each of the areas are stated in the program description of this catalog.

## **BACHELOR OF SCIENCE IN EDUCATION**

### **DEGREE REQUIREMENTS**

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

extension credit may be used to satisfy professional education and content requirements.

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

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

## **ADMISSION TO THE TEACHER EDUCATION PROGRAM**

In order to be recommended for certification, a student must complete the approved program in teacher education. Students must make formal application for admission to the teacher education program. The following criteria are required for admission to the baccalaureate-level program:

1. An adjusted grade point average of 2.50 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.)

### 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 requirements to Student Teaching.

All graduates of the university who plan to teach in Georgia after graduation must file applications for teaching certificates on special forms. Students enrolled in student teaching are given an opportunity to make application at a prescribed time.

All candidates for a teaching certificate must have 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 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:

Areas I, II and III of the core curriculum 60 hours

#### Specific Requirements:

Area IV-30 hours

FED 251—Foundations of Education .....5 hours  
FED 260—Human Growth and

Development .....5 hours

ART 151—Drawing I .....5 hours

ART 152—Two Dimensional Design.....5 hours

ART 252—Three Dimensional Design.....5 hours

Lower Division Art Elective.....5 hours

Health and Physical Education:

HTH 131 and four hours of physical education activity courses .....7 hours

Professional Education.....35 hours

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

Special Education Course Required by State of Georgia—H. B. 671

EXC 450—Identification and Education of

Exceptional Students in the Regular Classroom .....5 hours

EMS 391—Curriculum and Methods in Art:

P-12 .....10 hours

EMS 491—Student Teaching .....15 hours

Specialized Content for Teaching-60 hours

45 Hours from:

ART 250—Painting I .....5 hours

ART 254—Printmaking I.....5 hours

ART 255—Ceramics I .....5 hours

ART 256—Sculpture I.....5 hours

ART 257—Color Theory.....5 hours

ART 258—Photography I.....5 hours

ART 350—Painting II.....5 hours

ART 352—Lettering and Layout .....5 hours

ART 354—Printmaking II .....5 hours

ART 355—Ceramics II.....5 hours

ART 356—Sculpture II.....5 hours

ART 370—Art for Children and Youth ....5 hours

ART 371—Art for Adolescents .....5 hours

ART 450—Painting .....5 hours

ART 452—Commercial Design.....5 hours

ART 456—Advanced Sculpture.....5 hours

ART 490—Computer Graphics .....5 hours

ART 496—Problems in Ceramics .....5 hours

15 Hours from Art History:

ART 280, 281, and an additional 5 hours of upper division Art History.....15 hours



## EARLY CHILDHOOD EDUCATION MAJOR

This program requires the completion of a minimum of 197 quarter hours in required courses and approved electives and leads to the Bachelor of Science in Education degree and the Georgia Level Four Early Childhood (P-5) Certificate.

### General Requirements:

Areas I, II and III of the core curriculum—60 hours

### Specific Requirements:

Area IV—30 hours

FED 251—Foundations of Education.....5 hours

FED 260—Human Growth and

Development .....5 hours

Advisor Approved Electives from Areas I,

II, or III of the Core Curriculum.....20 hours

Health and Physical Education .....7 hours

HPE 131 and four hours of physical

education activity courses .....7 hours

Professional Education—46 hours

FED 361—Educational Psychology Teaching/

Learning in the Classroom .....5 hours

EC 454—Early Primary Practicum.....5 hours

FCS 433—Practicum in Child

Development .....3 hours

EC 460—Early Childhood Curriculum.....5 hours

EC 461—Methods of Teaching Early

Childhood.....5 hours

EC 462—Senior Seminar.....5 hours

EC 437—Participation .....3 hours

EC 491—Student Teaching .....15 hours

Specialized Content for Teaching—54 hours

EC 457—Mathematics Approaches

for Children .....5 hours

PE 337—Physical Education for Early

Childhood (P-5).....3 hours

HTH 531—Health for the Elementary

Schools .....3 hours

EC 463—Science in Elementary School ...5 hours

EC 455—Language Arts in Early

Childhood Curriculum.....5 hours

RDG 459—Teaching of Reading.....5 hours

RDG 430—Reading Practicum.....3 hours

EC 453—Curriculum of the Social

Studies .....5 hours

EDT 450—Introduction to

Instructional Technology.....5 hours

Ten hours from:

\*ART 370—Art for Children and Youth...5 hours

FCS 472—Children's Creative Activities..5 hours

\*\*MUS 351—Music for Teachers:

Early Childhood (K-4).....5 hours

EC 464—Creative Arts for Children .....5 hours

EC 466—Integrating Children's Literature

into the Early Childhood Curriculum...5 hours

Special Education Course Required by State

of Georgia H.B. 671

EXC 450—Identification and Education of

Exceptional Students in the Regular

Classroom .....5 hours

\* *Must take ART 160 or ART 370.*

\*\* *Must take MUS 152 or MUS 351.*

## HEALTH AND PHYSICAL EDUCATION MAJOR

This program requires the completion of a minimum of 206 quarter hours in required courses and approved electives and leads to the Bachelor of Science in Education degree and the Georgia Level Four Health and Physical Education (P-12) Professional Certificate.

### General Requirements:

Areas I, II and III of the core curriculum

(refer to p. 86) - 60 hours

### Specific Requirements for Health and Physical Education

Area IV—30 hours

FED 251—Foundations of Education.....5 hours

FED 260—Human Growth and

Development .....5 hours

BIO 271—Anatomy and Psychology .....5 hours

BIO 272—Anatomy and Psychology .....5 hours

Advisor Approved Electives from Areas I, II,

or III of the Core Curriculum.....10 hours

Professional Education—35 hours

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

Special Education Course Required by State of

Georgia H.B.—671

EXC 450—Identification and Education of

Exceptional Students in the Regular

Classroom .....5 hours

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—Lifestyle 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:

Areas I, II, and III of the Core Curriculum - 60 hours

#### Specific Requirements:

Area IV - 30 hours

FED 251— Foundations of Education	.....5 hours
FED 260— Human Growth and Development	.....5 hours
Advisor Approved Courses for the Selected Concentrations from Areas I, II, or III of the Core Curriculum	.....20 hours
Health and Physical Education	
HTH 131 and four hours of physical education activity courses	.....7 hours
Professional Education - 43 hours	
FED 361— Educational Psychology	.....5 hours
Special Education Course Required by State of Georgia H.B. 671:	
EXC 450—Identification and Education of Exceptional Students in the Regular Classroom	.....5 hours
MG 451—Introduction to the Middle Grades	.....5 hours
MG 452—Middle Grades Curriculum	.....5 hours

MG 492—Practicum and Methods in the Middle Grades	.....5 hours
EDT 430—Instructional Technology for Middle and Secondary School	.....3 hours
MG 491—Student Teaching	.....15 hours
Specialized Content for Teaching—51 hours minimum	

Specific requirements for the Middle Grades program consist of (1) a core of required courses to provide breadth of preparation:

RDG 459—The Teaching of Reading	.....5 hours
MAT 530—Basic Ideas of Arithmetic	.....3 hours
MAT 531—Basic Ideas of Geometry	.....3 hours
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:

Areas I, II and III of the Core Curriculum—60 hours

#### Specific Requirements:

Area IV—30 hours	
FED 251—Foundations of Education	.....5 hours
FED 260—Human Growth and	

Development .....	5 hours
Advisor Approved Electives from Areas I, II, or III of the core curriculum .....	20 hours
Health and Physical Education HPE 131 and four hours of physical education activity courses .....	7 hours
Professional Education—38 hours FED 361—Educational Psychology .....	5 hours
Special Education Course Required by State of Georgia H.B. 671 EXC 450—Identification and Education of Exceptional Students in the Regular Classroom.....	5 hours
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

This program requires the completion of a minimum of 195 quarter hours in required courses and approved electives and leads to the Bachelor of Science in Education degree and the Georgia Level Four English Education (7-12) Professional Certificate. A student completing two units of a foreign language in high school will be required to take only ten hours of the language in the B.S.Ed. program; the ten hours must be above the 152 level.

### General Requirements:

Areas I, II and III of the Core Curriculum—60 hours

### Specific Requirements:

Area IV—30 hours FED 251—Foundations of Education.....	5 hours
FED 260—Human Growth and Development .....	5 hours
ENG 253—The Human Image in Literature of the Western World III .....	5 hours
Advisor Approved Electives from Areas I, II or III of the core curriculum .....	15 hours
Health and Physical Education HPE 131 and four hours of physical education activity courses .....	7 hours
Professional Education—38 hours FED 361—Educational Psychology .....	5 hours
Special Education Course Required by State of Georgia H.B. 671 EXC 450—Identification and Education of Exceptional Students in the Regular Classroom .....	5 hours
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.....	5 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

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:

Areas I, II and III of the Core Curriculum—60 hours

### Specific Requirements:

Area IV—30 hours FED 251—Foundations of Education.....	5 hours
FED 260—Human Growth and Development .....	5 hours
SOC 150—Introduction to Sociology or	

PSY 150—Introduction to Psychology.....5 hours  
 Study in Fine and Applied Arts.....5 hours  
 Advisor Approved Related Courses from Areas I, II or III of the core curriculum .....10 hours  
 Health and Physical Education  
 HPE 131 and four hours of physical education activity courses .....7 hours  
 Professional Education—35 hours  
 FED 361—Educational Psychology .....5 hours  
 Special Education Course Required by State of Georgia H.B. 671  
 EXC 450—Identification and Education of Exceptional Students in the Regular Classroom.....5 hours  
 MS 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  
 Thirty hours from:  
 300 and 400 level French courses .....30 hours  
 FRE 458—Survey of French Literature I or French 459—Survey of French Literature II .....5 hours  
 Ten hours from:  
 Related courses approved by advisor.....10 hours

**GERMAN**

This program requires the completion of a minimum of 192 quarter hours in required courses and approved electives and leads to the Bachelor of Science in Education degree and the Georgia Level Four German (P-12) Professional Certificate.  
**General Requirements:**  
 Areas I, II and III of the Core Curriculum—60 hours  
**Specific Requirements:**  
 Area IV—30 hours  
 FED 251—Foundations of Education.....5 hours  
 FED 260—Human Growth and Development .....5 hours  
 SOC 150—Introduction to Sociology or  
 PSY 150—Introduction to Psychology.....5 hours  
 Study in fine and applied arts.....5 hours  
 Advisor Approved Related Courses from Areas I, II or III of the Core Curriculum.....10 hours  
 Health and Physical Education  
 HPE 131 and four hours of physical education activity courses .....7 hours

FED 361—Educational Psychology .....5 hours  
 Special Education Course Required by State of Georgia H.B. 671  
 EXC 450—Identification and Education of Exceptional Students in the Regular Classroom .....5 hours  
 EMS 392—Curriculum and Methods in Foreign Language: K-12.....10 hours  
 EMS 491—Student Teaching .....15 hours  
 Specialized Content for Teaching—50 hours  
 GER 153—Elementary German III .....5 hours  
 GER 252—Intermediate German II .....5 hours  
 Forty hours from:  
 300 and 400 level German courses .....40 hours  
 Ten hours from:  
 Related courses approved by advisor.....10 hours

**HOME ECONOMICS**

This program requires the completion of a minimum of 194 quarter hours in required courses and approved electives and leads to the bachelor of Science in Education degree and the Georgia Level Four Home Economics (7-12) Professional Certificate.  
**General Requirements:**  
 Areas I, II and III of the core curriculum—60 hours  
**Specific Requirements:**  
 Area IV—30 hours  
 FED 251—Foundations of Education.....5 hours  
 FED 260—Human Growth and Development .....5 hours  
 Advisor Approved Electives from Areas I, II or III of the core curriculum .....20 hours  
 Health and Physical Education  
 HPE 131 and four hours of physical education activity courses .....7 hours  
 Professional Education—38 hours  
 FED 361—Educational Psychology .....5 hours  
 Special Education Course Required by State of Georgia H.B. 671  
 EXC 450—Identification and Education of Exceptional Students in the Regular Classroom .....5 hours  
 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  
 AD 168—Introductory Clothing.....5 hours  
 HEC 210—Perspectives in Home Economics.....1 hour  
 AD 362—Advanced Clothing

Construction .....	5 hours
IDH 281—Housing and Interiors.....	5 hours
NFS 251 or 351—Nutrition .....	5 hours
NFS 352—Meal Management .....	5 hours
FM 364—Textiles.....	5 hours
IDH 385 Interior Systems .....	5 hours
HEC 438—Resource Management	
Theory .....	3 hours
FCS 471—Child Development.....	5 hours
FCS 472—Creative Activities or	
FCS 474—Parenting: Family Child	
Interaction.....	5 hours
HEC 486—Family Economics and	
Personal Finance .....	5 hours

### TECHNOLOGY EDUCATION (INDUSTRIAL ARTS)

This program requires the completion of a minimum of 200 quarter hours in required courses and approved electives and leads to the Bachelor of Science in Education degree and the Georgia Level Four Technology Education (7-12) Professional Certificate.

#### General Requirements:

Areas I, II and III of the Core Curriculum—60 hours

#### Specific Requirements:

Area IV—30 hours

FED 251—Foundations .....

 5 hours |

FED 260—Human Growth &

    Development .....

 5 hours |

Advisor Approved Electives from Areas I, II or III of the core.....

 20 hours |

Health & Physical Education

HPE 131 and four hours of physical education activity courses .....

 7 hours |

Professional Education.....

 38 hours |

EDT 430—Instructional Technology for Middle & Secondary Schools.....

 3 hours |

EXC 450—Identification & Education of the EXC Student.....

 5 hours |

FED 361—Education Psychology .....

 5 hours |

TED 450—Curriculum Content for Technology Education.....

 5 hours |

TED 451—Methods for Teaching Technology Education.....

 5 hours |

TED 491—Student Teaching.....

 15 hours |

Required Courses for Major.....

 20 hours |

MFG 150—The Manufacturing Enterprise

 5 hours |

PM250—Graphic Art Technology I .....

 5 hours |

TD130—Technical Drafting .....

 3 hours |

TD220—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
ED 457—General Technology for Technology Education Teachers .....	5 hours

### MATHEMATICS

This program requires the completion of a minimum of 190 quarter hours in required courses and approved electives and leads to the Bachelor of Science in Education degree and the Georgia Level Four Mathematics (7-12) Professional Certificate.

#### General Requirements:

Areas I, II and III of the Core Curriculum—60 hours

#### Specific Requirements:

Area IV—30 hours

FED 251—Foundations of Education.....

 5 hours |

FED 260—Human Growth and Development .....

 5 hours |

MAT 166—Analytic Geometry and Calculus .....

 5 hours |

MAT 167—Analytic Geometry and Calculus II .....

 5 hours |

MAT 264—Calculus III.....

 5 hours |

Advisor Approved Electives from Areas I, II or III of the core curriculum .....

 5 hours |

Health and Physical Education

HPE 131 and four hours of physical education activity .....

 7 hours |

Professional Education—38 hours

FED 361—Educational Psychology .....

 5 hours |

Special Education Course Required by State of Georgia H.B. 671

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

 5 hours |

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
Ten Hours of Mathematics Applications ..	10 hours
Four Hours of General Electives .....	4 hours

## SCIENCE

This program requires the completion of a minimum of 205 quarter hours in required courses and approved electives and leads to the Bachelor of Science in Education degree and the Georgia Level Four Science (7-12) Professional Certification.

### General Requirements:

Areas I, II and III of the core curriculum—60 hours

### Specific Requirements:

Area IV—30 hours	
FED 251—Foundations of Education .....	5 hours
FED 260—Human Growth and Development .....	5 hours
SOC 150—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
Health and Physical Education—7 hours	
HPE 131 and four hours of physical education activity courses .....	7 hours
Professional Education—38 hours	
FED 361—Educational Psychology .....	5 hours
Special Education Course Required by State of Georgia H.B. 671	
EXC 450—Identification and Education of Exceptional Students in the Regular	

Classroom .....	5 hours
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	

**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**

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:**

Areas I, II and III of the core curriculum—60 hours

**Specific Requirements:**

Area IV—30 hours

FED 251—Foundations of Education.....5 hours

FED 260—Human Growth and Development .....5 hours

HIS 152 or 153—Development of Civilization .....5 hours

HIS 252—The United States to 1865 or  
HIS 253—The United States Since, 1865...5 hours

ECO 260—Basic Economics .....5 hours or Elective from Area III

GGY 250—World Regional Geography....5 hours

Health and Physical Education  
HTH 131 and four hours of physical education activity courses .....7 hours

Professional Education—38 hours

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

Special Education Course Required by State of Georgia H.B. 671

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

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

20 hours of upper-division history which includes 5 hours in non-western history.....20 hours

10 hours in upper-division coursework in behavioral science, which includes

ANT 353 .....10 hours  
10 hours in upper-division coursework in geography.....10 hours

10 hours of upper-division coursework in political science, which includes

PSC 350 .....10 hours  
5 hours elective approved by the advisor...5 hours

**SPANISH**

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:**

Areas I, II and III of the Core Curriculum—60 hours

**Specific Requirements:**

Area IV—30 hours

FED 251—Foundations of Education.....5 hours

FED 260—Human Growth and Development .....5 hours

SOC 150—Introduction to Sociology or  
PSY 150—Introduction to Psychology.....5 hours

Study in fine and applied arts.....5 hours

Advisor approved related courses from Areas I, II, or III of the core curriculum .....10 hours

Health and Physical Education  
HPE 131 and four hours of physical education activity courses .....7 hours

Professional Education—30 hours

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

Special Education Course Required by State of Georgia H.B. 671

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

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  
 Forty hours from:  
 300 and 400 level Spanish courses .....40 hours  
 Ten hours from:  
 Related courses approved by advisor .....10 hours

### SPEECH

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:

Areas I, II and III of the core curriculum—60 hours

#### Specific Requirements:

Area IV—30 hours  
 FED 251—Foundations of Education .....5 hours  
 FED 260—Human Growth and Development .....5 hours  
 CAT 257—Introduction to Theater .....5 hours  
 CAS 251—Fundamentals of Public Speaking .....5 hours  
 CA252—Introduction to Human Communication .....5 hours  
 Advisor approved electives from Areas I, II or III of the core curriculum .....5 hours  
 Health and Physical Education  
 HPE 131 and four hours of physical education activity courses .....7 hours  
 Professional Education—33 hours  
 FED 361—Educational Psychology .....5 hours  
 Special Education Course Required by State of Georgia H.B. 671  
 EXC 450—Identification and Education of Exceptional Students in the Regular Classroom .....5 hours  
 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:

Areas I, II and III of the core curriculum .....60 hours

#### Specific Requirements:

Area IV—30 hours  
 FED 251—Foundations of Education .....5 hours  
 FED 260—Human Growth and Development .....5 hours  
 Advisor Approved Electives from Areas I, II or III of the Core Curriculum .....20 hours  
 Health and Physical Education—7 hours  
 HPE 131 and four hours of physical education activity courses .....7 hours  
 Professional Education—30 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 EXC 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

**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 postsecondary institutions. A great deal of flexibility exists within both emphases so that needs of individual students and hiring institutions can be considered.

**General Requirements:**

Areas I, II and III of the core curriculum—60 hours

**Specific Requirements:**

Area IV—30 hours

FED 251—Foundations of Education.....5 hours

FED 260—Human Growth and  
 Development .....5 hours

Advisor approved electives from Areas I, II or III  
 of the core curriculum .....20 hours

Health and Physical Education—7 hours

HPE 131 and four hours of physical  
 education activity courses .....7 hours

Professional Education—33 hours

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

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

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  
 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 Occupa-  
 tions Emphasis)

Supervised Work Experience (Trade and Industry  
 Emphasis)

VED 491—Five hours each quarter for three  
 quarters or two years of approved work expe-  
 rience related to trade and industry equal to  
 4,000 work hours .....15 hours

Specialized Subject Matter—25 hours

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

Special Education Course Required by State of  
 Georgia H.B. 671

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 sub-  
 ject areas when approved by advisor.*

**GIFTED ENDORSEMENT**

Those wishing to obtain a certificate endorsement  
 for the teaching of gifted students in the public  
 schools should contact the dean, College of  
 Education for required courses and prerequisites.

**ASSOCIATE OF APPLIED SCIENCE  
 IN EDUCATION DEGREE  
 PROGRAM**

The purpose of the associate degree is to give  
 persons engaged in the educational process an  
 opportunity to become more informed about the  
 fundamentals of their education. Most courses

required may be used in meeting requirements for a BSEd. A student may transfer up to 35 hours into the program from an approved college or university. The student must satisfy the Georgia legislative requirement but does not have to fulfill the Regents Test requirement.

#### Area I—Humanities and Fine Arts

ENG 151, 152 .....10 hours  
CAS 251-.....5 hours  
Total .....15 hours

#### Area II—Mathematics and the Natural Sciences

Mathematics .....5 hours  
Ten hours science sequence (lab or non-lab) .....10 hours  
Total .....15 hours

#### Area III—Social Science

PSC 250 .....5 hours  
SOC 150 .....5 hours  
PSY 150 .....5 hours  
ANT 151 .....5 hours  
Total .....15 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.  
Total .....15 hours

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

Total .....30 hours  
TOTAL .....90 hours

## COURSE DESCRIPTIONS

### COLLEGE OF EDUCATION

Dr. Robert N. Freeman, Acting Dean

The course offerings in the College of Education are presented through five departments.

### DEPARTMENT OF EARLY CHILDHOOD EDUCATION AND READING

B. Stratton, Chair

Professor: C. Bonds, M. McKenna, B. Stratton  
Associate Professors: M. Grindler, A. Hosticka,

J. Rakestraw, M. Moore, D. Sida

Assistant Professors: J. Barta, C. Brewton,

B. Come, J. Feng, J. Greenway, A. Heaston,  
J. Kent

### EARLY CHILDHOOD EDUCATION (EC)

#### EC 291—INTRODUCTION TO INDIVIDUALIZING CONTENT FOR THE ELEMENTARY SCHOOL

The course is designed for para-professionals or other students working at the undergraduate level to establish Elementary Education or Early Childhood Education as a teaching field.

Instructional and supervisory strategies will be adapted to helping the student develop and/or strengthen basic skills in individualizing instruction for elementary school pupils.

#### EC 453—EARLY CHILDHOOD SOCIAL STUDIES

This course is designed to prepare students for teaching social studies. 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 preservice 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: 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 K-8 with a cumulative sequence of experiences that will foster continuous growth in their understanding, skills and knowledge. Appropriate methods and materials will be emphasized for teaching specific learning in each of these areas. Prerequisites: EC 460 and admission into Teacher Education.

### **EC 466—INTEGRATING CHILDREN'S LITERATURE INTO THE EARLY CHILDHOOD CURRICULUM**

This course is designed for the preservice and/or inservice 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 to Teacher Education and senior standing or permission.

### **EC 461—EARLY CHILDHOOD METHODS**

One of three courses included in the "Early Childhood Block," the course is organized to facilitate the study of techniques of teaching appropriate for young children. A major emphasis is the planning of a portfolio teaching unit. Prerequisites: EC 460 and Admission into Teacher Education, senior standing or permission.

### **EC 462—SENIOR SEMINAR**

This course is designed to provide early childhood education majors an overview of the principles of classroom organization and management, assessment in the primary grades, and school law for the practitioner. It is one of three courses in the "Early Childhood Block." Prerequisites: EC 460 and Admission into Teacher Education, senior standing or permission.

### **EC 437—LABORATORY SCHOOL PARTICIPATION**

This course which is part of the "Early Childhood Block," is designed to provide early childhood education majors with observation, planning, teaching and evaluation experiences in a classroom setting. Prerequisites: EC 460 and Admission into Teacher Education, senior standing or permission.

### **EC 491—STUDENT TEACHING**

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

### **EC 591—SPECIAL TOPICS IN ELEMENTARY EDUCATION**

This course is designed to promote specialized training appropriate to the needs of in-service school personnel. Attention will be given to a range of specific problems as they reach special significance in local school systems. Reading (RDG)

**RDG 459—THE TEACHING OF READING**

An overview of the basic program of reading instruction in the elementary school. Considers the stages of a child's reading development, teaching techniques, and organization for instruction. Prerequisites: EC 460 and admission into Teacher Education.

**RDG 430—PRACTICUM IN TEACHING READING**

This course is designed to provide early childhood education majors observation and actual teaching experience in a supervised classroom setting. Prerequisites: EC 460 and admission into Teacher Education; concurrent enrollment in RDG 459.

**RDG 550—THE READING PROGRAM IN THE SCHOOLS**

A study of the range of reading programs in the schools, grades 1-12, encompassing developmental, remedial, corrective and adaptive programs as well as programs for the disadvantaged. Methods and materials of reading instruction are studied (including techniques for classroom management).

**RDG 552—DIAGNOSIS AND CORRECTION OF READING DIFFICULTIES**

A study of the diagnosis and remediation of reading difficulties in the upper elementary and junior high grades. Provides practical experiences in the use of diagnostic techniques and remedial procedures involving pupils with reading difficulties. Prerequisite: Approval of instructor.

**RDG 553—MATERIALS IN THE TEACHING OF READING**

A wide variety of materials are examined including series, labs, machines, games, computer software and teacher-made materials. Diagnostic and evaluative materials are considered. Prerequisite: Approval of instructor.

**RDG 560—MIDDLE AND SECONDARY SCHOOL READING STRATEGIES**

This course addresses the development of reading skills needed by students in grades 4-12. Instructional strategies are presented designed to help students transfer reading skills into content subject

**DEPARTMENT OF EDUCATIONAL FOUNDATIONS AND CURRICULUM**

J. Page, Chair

Professors: J. Page

Associate Professors: D. Battle, G. Dmitriyev,

G. Gaston, D. Rea

Assistant Professors: A. Burton-James,

K. Cruikshank, B. Deever, M. Griffin,  
W. Seier, R. Warkentin

**FOUNDATIONS OF EDUCATION (FED)****FED 251—FOUNDATIONS OF EDUCATION**

First course in the professional sequence; required of all who plan to teach. The course affords opportunity for the prospective teacher to examine information concerning the teaching profession as well as the 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 351—DEVELOPMENT AND LEARNING IN THE YOUNG CHILD**

The growth, development, and learning of young children are studied in this course. Particular emphasis is placed upon factors that influence early development and learning in children. Educational practices are evaluated in terms of their effects upon the development of children. Laboratory, three times per week.

**FED 453—DEVELOPMENT AND LEARNING IN THE MIDDLE GRADES**

The study of the growth and development of children from pre-school through adolescence. Major emphasis will be placed on understanding the nature, diversity and curricular needs of middle childhood and early adolescence (Grades 4-8) within a broader context of development.

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 451, MG 452, and Admission to Teacher Education.

#### **MG 463—SCIENCE FOR THE MIDDLE GRADES**

An overview of the basic program of science instruction in the middle grades. Considers child development and needs, trends in science instruction, teaching techniques and organization for instruction. Emphasis will be placed on knowledge of scientific concepts and principles and their application in technology and society. 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 451, MG 452, and Admission to Teacher Education.

#### **MG 491—STUDENT TEACHING**

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

Prerequisites: Completion of teaching field, educational foundations, curriculum and methods, Admission to Teacher Education, and Admission to Student Teaching.

#### **MG 492—PRACTICUM AND METHODS IN THE MIDDLE GRADES**

A field-based course designed to explore, develop, and implement appropriate methods for the development of the early adolescent. Students will experience interdisciplinary team planning and teaching, as well as special planning and teaching 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 451, MG 452, MG 453, MG 455, MG

457, MG 463, MG 495, RDG 459 and Admission to Teacher Education.

#### **MG 493—ART WORKSHOP FOR THE MIDDLE GRADES**

A workshop that provides a variety of experiences in art as part of the total middle grades program. A field-based component will be arranged. Prerequisites: FED 251, FED 260, MG 451, MG 452, and Admission to 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 451, MG 452, and Admission to 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. Secondary Education (SED)

#### **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 to 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 to 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 to 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 to 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 to 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 to 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 to Teacher Education.

#### **SED 491—STUDENT TEACHING**

Student teaching is a period of guided teaching

during which the student, under the direction of a cooperating teacher, takes increasing responsibility for leading the school experiences of a given group of learners over a period of consecutive weeks and engages more or less directly in many of the activities which constitute the wide range of a teacher's assigned responsibilities. This course is for all secondary majors. Prerequisites: Completion of teaching field, educational foundations, curriculum and methods, Admission to Teacher Education, and Admission to Student Teaching.

#### **SED 591—SPECIAL TOPICS IN SECONDARY EDUCATION**

A study of current trends and issues in specific teaching fields in the secondary schools. The focus of the course will be tailored to meet the needs of pre-service teachers.

#### **DEPARTMENT OF STUDENT DEVELOPMENT PROGRAMS**

J. Bergin, Chair

Professors: J. Bergin, A. Chew, R. Freeman  
Associate Professors: C. Alexander, E. Brown,  
P. Butterfield, P. Dixon, S. Heggoy,  
N. Lanier, R. Martin, W. Peach

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

#### **SCHOOL PSYCHOLOGY (EDP)**

##### **EDP 468—CLASSROOM BEHAVIOR MANAGEMENT (See EXC 468)**

This course is designed to initiate the classroom instructor in basic procedures for classroom behavior organization using behavior modification techniques based on instructional objectives as well as instructional techniques designed to meet the needs of the group and individualized instruction.

#### **COUNSELOR EDUCATION (CED)**

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

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

### **CED 558—INTRODUCTION TO GUIDANCE AND HUMAN SERVICES**

The student is introduced to guidance and counseling services in schools and a variety of helping agencies. Community resources, referral procedures and delivery of human services will be explored in convenient locations.

### **CED 591—SPECIAL PROBLEMS IN COUNSELING**

This course is designed to promote specialized training appropriate to the needs of in-service school personnel. Attention will be given to a range of specific problems as they reach special significance in local school systems.

Special Education (Exceptional Child—EXC) 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 to 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.

### **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 to Teacher Education.

### **EXC 451—INTRODUCTION TO EXCEPTIONAL CHILDREN**

A review of the characteristics of exceptional children. This includes: specific learning disabilities, speech-handicapped children, the intellectually gifted child, children with low intelligence, the mildly intellectually disabled child, the moderately intellectually disabled child, children with auditory handicaps, the visually handicapped child, neurologic, orthopedic and other health impairments, children with behavior disorders. Designed for EXC majors.

### **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 to 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 to 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 to 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 to Teacher Education.

### **EXC 461—CHARACTERISTICS OF LEARNING DISABILITY**

A review of different types of learning disabilities and the theories and systems related to their identification, assessment and remediation.

### **EXC 462—APPROACHES AND METHODS IN TEACHING THE LEARNING DISABLED**

Emphasis is placed on an individualized approach to analysis of the learning problems and to the method of instruction used. This includes procedures for assessing the learning disabled child's level of development as well as academic skill, selection of appropriate instructional tasks and classroom/resource organization and management.

**EXC 467—SPECIAL PROJECT**

Content will consist of action research and special study planned by instructor and student. Course content to be determined by the needs of the registrants.

**EXC 468—CLASSROOM BEHAVIOR MANAGEMENT**

Content of this course is designed to initiate the classroom teacher in the basic procedures for management for the exceptional child. Emphasis is placed on the use of behavior modification (reinforcement therapy) and transactional analysis as well as instructional techniques designed to meet the needs of the group and individual. Prerequisite: Admission to Teacher Education.

**EXC 480—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 to 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 to 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 473—CHARACTERISTICS OF BEHAVIOR DISORDERS**

Characteristics of the types of behavior disorders encountered among children are reviewed along with currently accepted theories and systems for

their behavioral and educational management. Also included: identification of the behavior disordered child and assessment of the extent of his special needs.

**EXC 476—APPROACHES AND METHODS FOR TEACHING THE BEHAVIOR DISORDERED**

Individualized and group methods of teaching the behavior disordered are analyzed as they relate to the specific needs of the individual. A developmental approach to behavioral and educational needs is emphasized. Prerequisite: EXC 473.

**EXC 478—COMMUNICATING WITH PARENTS OF EXC CHILDREN**

This course is designed to provide pre-service teachers with skills to communicate effectively with parents and teachers of exceptional children. This course is taken concurrently with EXC 480 and EXC 471 as part of the special education block. Prerequisites: Admission to 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 to 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 to 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 to Teacher Education.

#### **EXC 592—INTERNSHIP IN TEACHING THE INTELLECTUALLY DISABLED**

This course involves the implementation of the content of differential educational diagnosis and methods for teaching the intellectually disabled. Requirements for five hours include six "mini" research projects implemented in the student's full-time teaching setting (classroom) with a minimum of three site visits by the college supervisor, and three seminars on the college campus. Not to exceed 10 hours credit.

#### **EXC 593—INTERNSHIP IN TEACHING THE BEHAVIOR DISORDERED**

This field course involves classroom implementation of the content of differential educational diagnosis and methods of teaching the behavior disordered. Requirements for five hours include six "mini" research projects implemented in a full-time teaching setting with a minimum of three site visits by the college supervisor and a minimum of three seminars on the college campus. Not to exceed 10 hours credit.

#### **EXC 595—INTERNSHIP IN TEACHING THE LEARNING DISABLED**

This field course involves classroom implementation of the contents of differential education diagnosis and methods of teaching children with learning disabilities. Requirements for five hours include six "mini" research or precision teaching projects implemented in a full-time teaching setting, a minimum of three site visits by the college supervisor and a minimum of three seminars on the college campus. Not to exceed 10 hours credit. Adult Education (AED)

#### **551—ADULT EDUCATION**

This course presents the field of Adult Education as a coherent whole to graduate students so that persons interested in the field can grasp the scope and magnitude of the movement.

#### **AED 552—TEACHING THE DISADVANTAGED ADULT**

This course presents a specific sub-area within the field of Adult Education with background information about the disadvantaged adult, environment and culture of the disadvantaged adult, and special instructional methods.

#### **AED 557—FOUNDATIONS OF ADULT AND HIGHER EDUCATION**

To assist in becoming acquainted with the

research and literature that has contributed to the development of adult and higher education.

Prerequisite: study in adult education.

#### **AED 591—SPECIAL PROBLEMS IN ADULT EDUCATION**

This course is designed to promote specialized training appropriate to the needs of in-service school personnel. Attention will be given to a range of special problems as they reach significance in local school systems.

Business Education (EDB)

#### **EDB 251—BEGINNING KEYBOARDING**

A beginning course incorporating basic keyboarding skills and techniques of learning successful touch keyboarding. Included are introduction to business letters, forms, tables and short reports; proofreading skills, punctuation and word division and acceptable material arrangement. Significant individual time in a keyboarding lab will be required. This course is open to business education majors and 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 to 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 to 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 to 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 to Teacher Education, and Admission to Student Teaching. Technology Education (TED)

**TED 250—INTRODUCTION TO TEACHING TECHNOLOGY EDUCATION**

This course introduces the prospective teacher to the field of Technology Education. It highlights origins, movements and leaders that have shaped Technology Education. The goals, objectives, content and competencies of Technology Education will be explored through didactic and practical methods.

**TED 350—LAB DESIGN, MANAGEMENT, MAINTENANCE, OPERATION AND SAFETY**

This course includes the essentials of designing an appropriate Technology Education facility and managing such a facility in a public school setting. Program development and equipment procurement are included. This course also includes the essentials of maintaining tools, equipment and the facility. In addition, the operation of the Technology Education program in a public school situation and the necessary safety precautions are included. Prerequisite: Admission to 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 to 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 to 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 to 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 to 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 to Teacher Education.

**TRADE AND INDUSTRIAL EDUCATION (TIE)****TIE 251, 252, 253—SUPERVISED WORK EXPERIENCE**

Coordinated work experience related to the student's technical specialty including comprehensive report of same.

**TIE 450—SEMINAR IN TEACHING TRADE AND INDUSTRIAL EDUCATION**

A review and synthesis of the philosophy, principles, and practices of trade and industrial education.

**TIE 451—HISTORY AND POLICIES OF TRADE AND INDUSTRIAL EDUCATION**

The principles, practices, history, policies, funding, organization and administration of vocational education with special emphasis on trade and industrial education.

**TIE 452—ORGANIZATION AND MANAGEMENT OF TRADE AND INDUSTRIAL EDUCATION FACILITIES**

The planning and development of proper practices for organization and management of Trade and Industrial Education laboratories, workshops, office learning resource centers and classrooms.

**TIE 453—CURRICULUM CONTENT OF TRADE AND INDUSTRIAL EDUCATION**

Covers the content and program of study for selected Trade and Industrial offerings. Course to emphasize individualized instruction.

**TIE 456—PROCEDURES IN TEACHING TRADE AND INDUSTRIAL EDUCATION**

A consideration of practical utilization procedures for teaching the various Trade and Industrial subject areas.

**TIE 460—OPEN-ENTRY FOR NEW VOCATIONAL TEACHERS**

This course is designed for new, vocational education in-service instructors. It will provide survival skills, knowledge in curriculum, individualized instruction and classroom management. Prerequisite: Permission of the instructor.

**TIE 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 to Teacher Education, and Admission to Student Teaching.

**TIE 493—INTERNSHIP FOR NEW VOCATIONAL TEACHERS**

This course is an internship that will serve as the vehicle for implementing teaching competencies learned in the new vocational teacher institute. Prerequisite: Permission of instructor. Vocational Education (VED)

**VED 450—TRENDS IN CAREER AND VOCATIONAL EDUCATION**

A review of major trends and innovations in career education and vocational education throughout Georgia, the nation, and the world. Emphasis will be placed on experimental and new emerging career development programs in Georgia.

**VED 451—INDIVIDUALIZING VOCATIONAL AND TECHNICAL EDUCATION**

An introduction to individualized instruction following the Georgia vocational models. Emphasis will be placed on competency-based instruction, how to develop individualized packages, the support technology, prepared materials, implementation, rationale and evaluation.

**VED 453—SCHOOL SHOP SAFETY**

A review of accepted rules, regulations and practices of designing and operating an educational laboratory in a safe manner including accident prevention and first aid.

**VED 491—WORKSHOPS IN...**

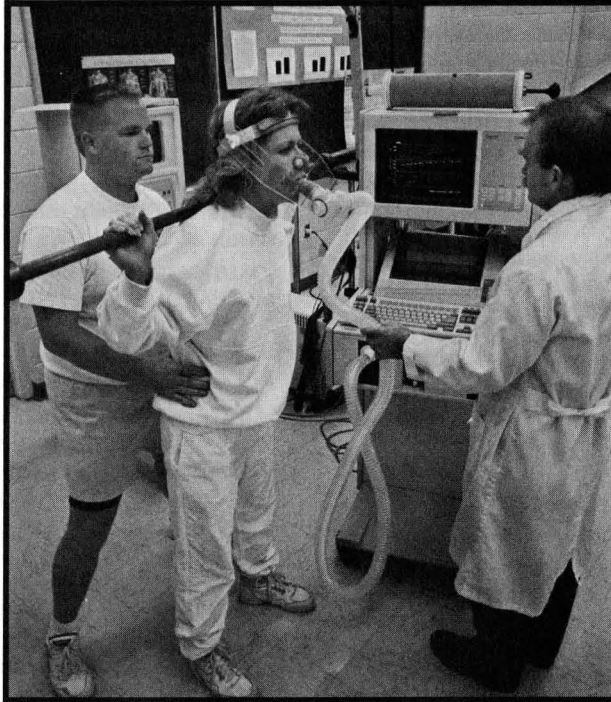
Specialized study for selected groups of Vocational instructors. Usually identified in cooperation with local school administrators and/or Georgia State Department of Education leaders. Special assignments by advisor. Two to fifteen hours credit.

**VED 551—COOPERATIVE VOCATIONAL EDUCATION PROGRAMS**

Considers all cooperative curriculum programs in the high school as well as the philosophy and background for the program.

**VED 554—VOCATIONAL EDUCATION AND TECHNICAL EDUCATION FOR THE DISADVANTAGED AND HANDICAPPED**

**VED 591—SPECIAL PROBLEMS**



## COLLEGE OF HEALTH AND PROFESSIONAL STUDIES

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## PURPOSE AND FUNCTIONS

The College of Health and Professional Studies provides student 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 of the College, 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. Provide an intramural program designed to allow opportunity for leisure activity, competition, skill development and physical and emotional release.
8. 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, and sport management will receive a Bachelor of Science in Health Science. The Bachelor of Science in Health Science is also an excellent avenue for those students wishing to pursue

degrees in a variety of allied health professions. Students majoring in nursing will receive the Bachelor of Science in Nursing and will qualify to take the State Board Examination for licensure as a registered nurse. Students majoring in one of the areas of recreational and leisure services will receive the Bachelor of Science in Recreation. Students majoring in one of the six programs in the Department of Family and Consumer Sciences will receive the 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 AND 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. If you are interested in either field, please call (912) 681-5266 and make an appointment with an adviser, 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, but somewhat less demanding than, 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-NURSING

All students who want to pursue the nursing degree will be classified as pre-nursing majors

until they apply and are accepted into the nursing program. The following course of study should be followed by pre-nursing majors:

CHE 171, 172 .....	10 hours
ENG 151, 152 .....	5 hours
MAT 151 .....	5 hours
HIS 152 or 153; and HIS 252 or 253 and PSC 250 .....	15 hours
BIO 271, 272; BIO 284 .....	15 hours
SOC 150 or PSY 150 .....	5 hours
ART 160 or MUS 152 or PHI 150 or CAT 257 or CAS 251 or CA 252 .....	5 hours
NFS 252 .....	5 hours
FCS 371 .....	5 hours

For additional information contact the secretary of the Department of Nursing, Nursing Building II, room 104 or phone (912) 681-5242.

Two majors are offered in conjunction with the College of Education for students who plan to enter the field of teaching. These include a major in health and physical education and a major in home economics.

## BACHELOR OF SCIENCE IN EDUCATION

### (HEALTH AND PHYSICAL EDUCATION MAJORS)

#### General Education Requirements:

See Core Curriculum Areas I, II and III

#### Area IV Requirements:

Health and Physical Education Majors-30 hours

FED 251 .....	5
FED 260 .....	5
BIO 271 .....	5
BIO 272 .....	5

Advisor Approved Electives from Area I, II & III .....

Professional Education Requirements-35 hours

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

Professional Physical Education Requirements-59 hours

PE 230, 231, 328, 337, 338, 339, 352, 354, 536, 555, 558, 561 .....	45
PE Coaching .....	6
PE Activity Courses .....	8

Professional Health Education Requirements-25 hours

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

## BACHELOR OF SCIENCE IN EDUCATION

### (HOME ECONOMICS MAJORS)

#### GENERAL EDUCATION REQUIREMENTS

See Core Curriculum Areas I, II and III- 60 hours

#### Specific Requirements:

Area IV- 30 hours

FED 251 .....	5
FED 260 .....	5

Advisor Approved Electives from

Area I, II & III .....	20 hours
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Health and Physical Education

HPE 131 and 4 hours of physical education activity courses .....	7 hours
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Professional Education Requirements-33 hours

FED 361 .....	5
SED 352 .....	5
EDT 430 .....	3
SED 454 .....	5
SED 491 .....	15

Specialized Content for Teaching-59 hours

AD 168 .....	5
HEC 210 .....	1
AD 362 .....	5
IDH 281 .....	5
NFS 251 or NFS 351 .....	5
NFS 352 .....	5
FM 364 .....	5
IDH 385 .....	5
HEC 438 .....	5
FCS 471 5 .....	5
FCS 474 or FCS 472 .....	5
HEC 486 .....	5

Special Education Course Required by State of Georgia HB 671

EXC 450 .....	5
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Special Education Course Required by State of Georgia HB 671

EXC 450 .....	5
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## BACHELOR OF SCIENCE IN FAMILY AND CONSUMER SCIENCES

The Bachelor of Science in Family and Consumer Sciences is designed for students wishing to prepare for careers in (1) Apparel Design, (2) Consumer Studies; (3) Family and Child Studies, (4) Foods and Nutrition, Dietetics and Hospitality Administration; (5) Interior Design and Housing; (6) Restaurant, Hotel and Institutional

Administration; (7) Fashion Merchandising. Majors are offered in each of these fields.

**General Requirements:**

This degree requires fulfillment of the core curriculum, completion of major requirements in Family and Consumer Sciences, three hours of health and four hours of physical education. A minimum of 190 hours is required for graduation.

Although the Bachelor of Science in Family and Consumer Sciences does not require a minor, except for the majors in Apparel Design and Restaurant Hotel and Institutional Administration, a student may choose to complete an advisor approved minor program and have it indicated on the transcript. The approved minors are listed in this catalog (see Minors-General Information section).

Correspondence or extension credit will not be allowed to satisfy the requirements for major courses in the Department. A minimum grade of "C" is required on each course in the major. Students wishing to take upper division courses in their major should have credit for 90 hours in core requirements and should have an average grade of 2.0. In cases presenting exceptional schedule conflicts, registration in upper division courses by students who have failed to complete core requirements and maintain a 2.0 GPA will be allowed only by permission of the department chair.

**General Education Requirements:**

See Core Curriculum, Areas I, II and III.

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

**APPAREL DESIGN**

This major will prepare the creative student for an exciting and challenging career in all phases of the Apparel (Fashion) Design Industry.

**Area IV Requirements—30 Hours**

CIS 251 .....5  
 MFG 150, CHE 171 or ECO 260.....5  
 CAS 251, THE 257 or ART 160.....5  
 NFS 251 .....5  
 FCS 271 .....5  
 IDH 281 .....5

**Specific Requirements—67—73 Hours**

HEC 210 or 410 .....1  
 ART 150.....5  
 AD 168.....5  
 AD 250.....5  
 AD 350.....5  
 FM 360.....5  
 AD 362.....5

FM 364.....5  
 AD 365.....5  
 AD 462.....5  
 AD 420.....2  
 AD 460.....5  
 AD 470.....5  
 AD 491 .....10- 15  
 Select 25 Hours From The Following Courses:  
 PM 250.....5  
 ART 251.....5  
 ART 357.....5  
 ADM 430 .....3  
 ADM 452.....5  
 ADM 454 .....5  
 AD 450.....5  
 AD 472.....5  
 AD 562.....5  
 AD 399.....5

**CONSUMER STUDIES**

Designed for the student whose career goals involve demonstrations, promotions, product testing and magazine and television work.

**Area IV Requirements—30 hours**

ART 160.....5  
 PSY 150 .....5  
 CAS 251 .....5  
 FCS 271 .....5  
 NFS 251 .....5  
 TFM 168 .....5

**Specific Requirements .....94-104 hours**

FCS 471 .....5  
 FCS 472 or 474 .....5  
 HEC 210 or 410 .....1  
 HEC 486.....5  
 FCS 491 .....10- 15  
 HEC 580.....5  
 IDH 281 .....5  
 IDH 385 .....5  
 IDH 387 .....5  
 NFS 151 .....5  
 NFS 352 .....5  
 TFM 364 .....5  
 TFM Elective .....5

Thirty hours planned with advisor, selected from business, communication arts, home economics and/or other areas.....30

**FAMILY AND CHILD STUDIES**

For those individuals interested in a broad base of family understanding in (1) preparation for advanced study of families and personal family relationships; (2) working with preschool children;



- (3) working with social service agencies and  
 (4) working with families in a variety of settings.

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

PSY 150.....	5
SOC 150.....	5
CAS 251, CA 252 or CAT 257.....	5
IDH 281.....	5
NFS 251.....	5
FM 260 or AD 168.....	5

**Specific Requirements.....69-79 hours**

FCS 271.....	5
FCS 471.....	5
FCS 472.....	5
FCS 474.....	5
FCS 476.....	5
FCS 571.....	5
FCS 575.....	5
FCS 576.....	5
HEC 210 or 410.....	1
HEC 486.....	5
FCS 491.....	10-15
NFS 354.....	5
PSY 377.....	5
SOC 365.....	5

**Child Development Emphasis.....25 hours**

FCS 475.....	5
FCS 479.....	5
FCS 572.....	5
FCS 578.....	5

Choose five hours from:

HTH 550; PSY 375; REC 454; HEC 580

**Family Service Emphasis.....25 hours**

SOC 350.....	5
SOC 370.....	5
SOC 453.....	5
SOC 466.....	5

Choose five hours from:

ANT 353; FCS 479; FCS 572; PSY 350;

PSY 371; PSY 375

**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 381, SOC 358, SOC 359, or HEC 580

**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	
FCS 271.....	5
IDH 281.....	5
FM 260.....	5

**Specific Requirements.....56 hours**

BIO 284 or NFS 356.....	5
HEC 210 or 410.....	1
HEC 486.....	5
CIS 251.....	5
NFS 151.....	5
NFS 251.....	5
NFS 455.....	5
RHI 456.....	5
NFS 457.....	5
RHI 458.....	5
RHI 556.....	5
MGT 351.....	5

**Dietetics Emphasis.....54-69 hours**

ANT 150, PSY 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.....35-65 hours**

NFS 467.....	5
NFS 491.....	5-15
REC 352.....	5
REC 372.....	5
REC 453.....	5

Optional Minor or Advisor Approved

Electives..... 10-20

**HOME ECONOMICS EDUCATION**

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

**Level Four Home Economics (7-12) Professional Certificate.**

**General Requirements:**

Areas I, II and III of the core curriculum-60 hours

**Area IV Courses .....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 .....97 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 .....97-102 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

MAT 255 .....5

FCS 271 .....5

NFS 151 .....5

NFS 253 .....5

**Specific Requirements .....105-115 hours**

\*ACC 260 .....5

\*FIN 351 .....5

HEC 210 or 410 .....1

\*LST 352 .....5

\*MGT 351 .....5

MGT 371 .....5

MGT 475 .....5

\*MKT 350 .....5

NFS 457 .....5

NFS 467 .....5

NFS 326 .....2

RHI 153 .....5

RHI 336 .....3

RHI 357 .....5

RHI 355 .....5

RHI 451 .....5

RHI 456 .....5

RHI 462 .....5

RHI 491 .....10-15

RHI 556 .....5

RHI 558 .....5

*\* These courses fulfill the requirements for the Business minor. See page 25.*

**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; ADM 452; ART 252; FM 366;

FM 562; IDH 385; MKT 351/352; MKT 354; OR

MKT 450

Optional Minor or Advisor Approved

Electives.....12- 20

Students in this program are encouraged to

add the Business minor as outlined in this catalog

(see Minors-General Information section).

## BACHELOR OF SCIENCE IN HEALTH SCIENCE

This degree program offers the student the choice of three majors: Community Health, Health and Fitness Promotion and Sport Management.

Students must meet the following requirements in order to be admitted to the major of Health and Fitness Promotion or Community Health.

I. Must have completed 60 hours with at least 10 hours of "C" or better work from the following courses:

A. CHE 171/172 or CHE 181/182

B. BIO 271/272

C. STA 255/256

D. PHY 251, PHY 252

E. NFS 251

II. An adjusted GPA or 2.25 or higher is required on all work attempted at GSU.

III. Transfer students must have a GPA of 2.25 or higher on all work attempted at other institu-

tions plus those hours attempted at GSU.

A 2.25 cumulative adjusted GPA is required for admission to the Sport Management program.

**General Education Requirements:**

See Core Curriculum Areas I, II, and III.

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

STA 255.....5

SOC 150 or PSY 150.....5

STA 2565 or CIS 251\* .....5

BIO 271, BIO 272, NFS 251, ENG 271\*,

ACC 260\*, CA 250\*, SM 250\* .....15

\* *Specific to Sport Management Major*

**Requirements Specific to Health and  
Fitness Promotion and Community Health**

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

Upper level Psychology .....5

BIO 284\* .....5

FCS 371\* .....5

NUR 322\* .....2

HTH 321 .....2

HTH 550 .....5

HTH 555 .....5

HTH 557 .....5

\* *Prerequisite Required*

## 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

## COMMUNITY HEALTH MAJOR— 24 HOURS

NUR 445 .....5

HTH 451 .....5

HTH 350 .....5

SOC 365.....5

PSY 373 .....5

Other Electives and Requirements .....40 hours

Major electives.....15

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**

<b>Business Core—30 hours</b>	
ACC 260.....	5
ECO260.....	5
MKT 350.....	5
MGT 351.....	5
BA 351.....	5
MKT 351.....	5
<b>Sport Management Core—30 hours</b>	
SM 351.....	5
SM 451.....	5
SM 550.....	5
SM 456.....	5
REC 453.....	5
SM 454.....	5
<b>Areas of Emphasis (Select one: 20 hours)</b>	
<b>Sport Administration</b>	
SM 450.....	5
SM 452.....	5
SM 453.....	5
SM 551.....	5
PE 554.....	5
PE 558.....	5
<b>Sport Promotion</b>	
CAP 340.....	4
CAP 440.....	4
CAP 342.....	4
MKT 351.....	5
MKT 352.....	5
PM 336.....	3
MKT 457.....	5
<b>Sport Communication</b>	
CAJ 252.....	4
CAJ 343.....	4
CAJ 445.....	4
CAB 347.....	4
CAB 444.....	4
CAB/SM 455.....	5
CA 254.....	5
CAB 446.....	5
MKT 352.....	5
PE 590.....	15 hours
Health & Physical Education.....	7 hours
HTH 131.....	3
PE.....	4
Electives.....	8 hours

**BACHELOR OF SCIENCE IN MEDICAL TECHNOLOGY****GENERAL REQUIREMENTS**

This degree requires fulfillment of the Core Curriculum, a minimum of fifty-five hours in biology and chemistry, senior year in approved school of medical technology, three hours of health and four hours of physical education. A minimum of 190 hours is required for graduation. A grade of "C" or better must be earned in each course taken to satisfy the specific requirements peculiar to this degree, regardless of where each course is applied to the degree program.

**ADVISEMENT**

Students planning to complete the requirements for the medical technology degree program are advised by faculty in the Department of Health Science, 912-681-5266. Electives appropriate to this major will be recommended during advisement.

**GENERAL EDUCATION REQUIREMENTS**

Areas I, II, and III of the core curriculum—60 hours  
HPE 131 (3 hours) and Physical Education (4 hours).....7 hours

**AREA IV AND SPECIFIC REQUIREMENTS**

BIO 271.....	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 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 man-

ner 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**

See Core Curriculum Areas I, II, and III.

**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—89 hours**

NUR 321, 322, 323.....6  
 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.....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. 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**

See Core Curriculum Areas I, II, and III.

**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.....4

**BACHELOR OF SCIENCE  
 IN RECREATION**

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 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.

The internship is normally set up and approved during the student's last quarter of enrollment in academic coursework. The internship is a supervised 400 hour work experience in an approved leisure setting. The purpose of the internship is to assist in the transition process from the theoretical and conceptual aspects of

recreation to the practical application of knowledge in a professional leisure agency or industry.

To enroll in either the practicum or the internship a student must have a minimum adjusted grade point average of 2.0.

### GENERAL EDUCATION REQUIREMENTS

See Core Curriculum Areas I, II, and III

**Area IV and Specific Requirements—30 hours**

SOC 150 or PSY 150, ANT 151 or an

approved Hotel, Restaurant, Institutional course 5

Art, Music, Communication or REC 254,  
CIS 251 (100-200 level).....10

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.

(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 courses (300-400 level)—**  
**5-20 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, D. Pearce,

S. Ladki, J. Kropp

Assistant Professors: E. Brown, S. Darrell,

W. Koszewski, B. Fields, M. Black,

C. Martin, S. Smith, 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, 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: FM 168, FM 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 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. Prerequisites: FCS 471 or permission of instructor.

### **FCS 474—PARENTING: FAMILY-CHILD INTERACTION**

Emphasis on understanding the child in his/her own natural setting, the family. Methods of studying families, parent education, and teaching aids are explored. Prerequisites: Majors: FCS 271, FCS 471; Non-majors: PSY 150, or permission of instructor. Three hours lecture and four hours lab per week.

### **FCS 475—ASSESSMENT OF THE PRESCHOOL CHILD**

Developmental assessment and research as related to the preschool child. Supervised observation and participation in the Family Life Center Child Development Laboratory and the community. Prerequisite: FCS 471. Three hours lecture and four hours lab per week.

### **FCS 476—ADMINISTRATION OF THE PRESCHOOL PROGRAM**

Emphasis on direction and administration of child care centers in family and group settings. Personnel, space, physical facilities and 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, NFS 251 or 253 or permission of instructor.

**NFS 351—NUTRITION**

Considers fundamental principles of human nutrition and their application in selection of recommended diets for individuals and families. Three lectures, four laboratory hours weekly. For majors. Prerequisite: CHE 171, 172.

**NFS 352—MEAL MANAGEMENT**

Develops competencies in organization, management of time, menu planning and 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. Prerequisite: NFS 151, 251; CHE 171, 172.

**NFS 354—NUTRITION THROUGHOUT THE LIFE CYCLE**

Emphasis on the role of nutrition and dietary needs in the growth, development and maintenance of health of individuals from birth to aging.

Discussion of the impact of physiological changes on nutrition needs. Application of computers in nutritional analysis. Fundamentals of nutrition care delivery in community programs. Prerequisites: A five-hour course in nutrition (NFS 251, 252, 351) or consent of instructor; BIO 271, 272 desirable.

#### **NFS 451—NUTRITION EDUCATION STRATEGIES**

Emphasis on innovative communication of latest nutrition knowledge as it relates to developmental stages and learning. Integration of nutrition concepts into curriculum development for grades K-12. Development, selection and evaluation of nutrition education materials. Identification of community/regional resources, agencies and legislation regarding nutrition. Principles of education and effective teaching methods studied. Prerequisites: Five hours of undergraduate nutrition and/or consent of instructor.

#### **NFS 452—ADVANCED NUTRITION**

Considers nutrition principles at an advanced level with respect to requirements, functions and metabolism of various nutrients. Prerequisite: BIO 271, 272; CHE 380; NFS 251 or 351, or consent of instructor.

#### **NFS 453—THERAPEUTIC NUTRITION**

Study of modification of 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. Permission of the instructor.

#### **NFS 467—CATERING AND BEVERAGE MANAGEMENT**

Application of food science and management principles to quantity food preparation for special events, both on- and off-site. Principles of planning, production, service, presentation and evaluation of catering activities will be emphasized. Two lecture hours, six laboratory hours per week. Pre-requisites: NFS 151, NFS 457, or permission of instructor.

#### **NFS 491—INTERNSHIP IN FOODS AND NUTRITION**

Supervised work-study program in a selected foodservice management facility. Students are expected to interview for jobs in facilities which are approved by the College. Students who apply for the preceptorial must agree to work for the entire quarter, 5-15 hours credit. This course does not substitute for a post-graduate American

Dietetic Association Accredited Internship.  
Prerequisites: NFS 456, 457, 458 and consent of Department Chair and Instructor.

## GENERAL HOME ECONOMICS

### HEC 210—PERSPECTIVES IN HOME ECONOMICS

A study of factors and individuals influencing the history of Home Economics; present status of the discipline; future directions; and career opportunities.

### HEC 222—SOCIAL SURVIVAL SKILLS

A study of etiquette and social interaction as they relate to social gatherings, the work environment and daily living. Students will be encouraged to incorporate the principles of professional and personal courtesies into their lifestyles. Course is appropriate for all majors. Class will meet one evening session during the quarter.

### HEC 399—SELECTED TOPICS IN HOME ECONOMICS

### HEC 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. Prerequisite: 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.

Prerequisite: FED 251, FED 260, FED 361.

### HEC 536—HOME ECONOMICS PROGRAMS FOR ADULTS AND OUT-OF-SCHOOL YOUTH

A study of techniques and materials, structure and content for instruction of adult, school and community groups. Prerequisite: SED 352.

### HEC 538—RECENT TRENDS IN HOME ECONOMICS IN THE SECONDARY SCHOOL

Designed as an institute for secondary teachers of Home Economics. Development, direction and evaluation of learning experiences for youth. Prerequisite: Teacher Certification.

### HEC 559—CONSUMER EDUCATION WORKSHOP

Analysis, review and development of curriculum guides, learning packages, and materials are focus of course. Designed for public school personnel, grades 1-12, concerned with implementing Consumer Education Programs. Three week session. Fifty hours contact. Prerequisites: Admission by recommendation of State Department of Education.

### HEC 595—SPECIAL PROBLEMS

Analysis, review and development of instructional materials, strategies for Home Economics programs within specified content areas. Emphasis upon individualization of instruction and evaluation of curriculum materials. Admission upon recommendation of State Department of Education. Five hours credit each quarter with maximum of fifteen hours permitted toward degree requirements.

## INTERIOR DESIGN AND HOUSING

### IDH 281—HOUSING AND INTERIORS

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

Fundamental execution of interior design problems to refine presentation skills. Includes measured and freehand perspectives, mixed media renderings, detail drawings, and model buildings.

Presentations are in oral and visual form.  
Prerequisites: TD 152, IDH 281, ART 257.

### **IDH 283. WORKROOM I**

Professional techniques for sketching, designing, and constructing soft interior furnishings.

Includes both freehand and computer generated sketches; measuring problems; and exposure to workroom procedures. Field Trips. Prerequisite: IDH 281 or permission of instructor.

### **IDH 380—TEXTILES FOR INTERIORS.**

Investigates the production, specifications and regulations, and serviceability of textiles for residential and commercial design. Emphasis on soft floor coverings, upholstered furniture, textile wall and window coverings and other current developments in institutional and residential textiles. Field trips required. Prerequisite: IDH 281.

### **IDH 381—RESIDENTIAL INTERIOR DESIGN**

Fundamentals of design as applied to the residential setting are explored through the use of the design process incorporating human factors, space planning, furniture layout, and selection of materials and finishes. Extensive residential projects for various populations are completed and presented in professional graphic and oral presentation form. Field Trips. Prerequisites: IDH 282, IDH 380, ART 352.

### **IDH 382—SURVEY OF INTERIORS: HISTORICAL**

Development of architectural styles and interior period furnishings from the Egyptians to 1900 including design technology. The student will study the relationship of the historic interior on today's interior. Field Trips.

### **IDH 383—CONTEMPORARY FURNISHINGS**

Emphasis on architecture, architects, interior designers, furniture designers, products, and the history of the contemporary design movement since 1900. Field Trips. Prerequisite: IDH 281.

### **IDH 385—INTERIOR SYSTEMS & EQUIPMENT**

Considers selection, use and care of HVAC and other equipment and appliances. Principles of physics and design related to performance and safety. Kitchen design project. Five lectures.

### **IDH 481—INTERIOR ACCESSORIES**

Historical through contemporary accessories. Application of design principles and elements in selection and arrangement of accessories. A study

of materials used: glass, metals, ceramics, and textiles. Selection and framing of artwork. Field Trips. Prerequisite: IDH 381.

### **IDH 482—WORKROOM II**

Analysis of cost estimation, specifications, and working drawing of custom interior detailing. Techniques and principles involved in the selection and installation of materials and 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 483—HOUSING IN RELATION TO FAMILY LIFE**

A study of housing with emphasis on demographic, social, economics and psychological factors; emphasis on changing needs and standards for stages of the family cycle.

### **IDH 485—LIGHTING FOR INTERIORS**

The application of elements and principles of lighting to the design of the visual environment. Includes lighting quality, quantity, economics and aesthetics. 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, cashiering, and revenue controls. Prerequisites: MAT 151; NFS 151; NFS 253; NFS 326; RHI 153 or permission of instructor.

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

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

**RHI 357—INSTITUTIONAL HOUSEKEEPING**

Considers the relationship of management science to professional housekeeping. Develops conceptual planning skills for house breakout, staffing considerations, scheduling and material use. Explores techniques of hiring and training housekeeping employees. Investigates need for documentation, planning computers, communication, security, safety and human resource management skills in executive housekeeping. Prerequisites: RHI 153 and RHI 456.

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

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

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

Study of needs, procurement, storage, cost control, inventory management and computer use in relation to control of quality and financial management for restaurants, hotels and institutions. Emphasis on establishment and implementation of the sub-systems found within the purchasing function. Quality standards used in purchasing are studied. Laws and regulations affecting purchasing are investigated. Prerequisites: CIS 251, NFS 151 or permission of instructor. Four hours lecture and two hours lab per week.

**RHI 462—HOTEL OPERATIONS**

The study of organization, planning, leadership, decision making and administration of hotels with emphasis on front desk operations. Investigation of the interdependence of the housekeeping, engineering, security, guest services, food and beverage, marketing, personnel, purchasing, accounting and front desk departments in successful hotel operations. Computer information systems in hotel operations are utilized. Prerequisites: MGT 351, 371, 475; NFS 326, RHI 336, 357, 451, 456; NFS 457; ACC 260 or permission of instructor.

**RHI 491—INTERNSHIP IN RESTAURANT, HOTEL AND INSTITUTIONAL ADMINISTRATION**

Supervised work-study program in a restaurant, hotel or other institution. Students are expected to interview for positions in facilities which are approved by internship director. 10-15 hours credit. Prerequisites: Consent of Division Director and instructor.

**RHI 556—COST CONTROL IN RESTAURANTS, HOTELS AND INSTITUTIONS**

Analysis of fundamentals and techniques of cost control in foodservice, hotel and resort management. Management procedures to control costs from purchase through service are studied.

Emphasis is placed on strategic planning, budgeting, efficiency, labor management and productivity, energy management, production, service and computers as they relate to controlling costs. Prerequisites: NFS 458 or permission of instructor.

#### **RHI 558—ORGANIZATION AND ADMINISTRATION IN RESTAURANTS, HOTELS AND INSTITUTIONS**

The study of organization, management and administration of restaurants, hotels and institutional programs with emphasis on planning, leadership and decision making. Investigation of effective communication; laws, regulations and standards as they relate to management. Considers merchandising and promotion in restaurants, hotels and institutions. Principles of education and effective teaching methods as they relate to employee training and inservice education are studied. Study of human relations and group dynamics. Use of computers and their applications in organization and management are emphasized. Prerequisites: NFS 151, NFS 457 or permission of instructor.

#### **RESOURCE MANAGEMENT AND EQUIPMENT**

##### **HEC 380—THE CONSUMER/BUYER IN THE MARKET**

Problems of the family and the individual in the selection and purchase of consumer goods in relation to the present market organization.

##### **HEC 438—RESOURCE MANAGEMENT THEORY**

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

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

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

##### **HEC 488—RESOURCE MANAGEMENT LABORATORY**

Resource management principles are applied in simulated residential environments. Relates management principles to specific individual and familial conditions. Advance registration with Division Director required. Students pay campus

housing fee and meal plan is designated by instructor. Requires 2.0 GPA for admission and a minimum of 135 hours credit toward the major. Prerequisites: FCS 271; IDH 385; NFS 151, 351, 352; HEC 457, 486.

#### **FASHION MERCHANDISING**

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

A study of the aesthetic, economic, and 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: TFM 168 or consent of instructor.

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

This course is scheduled on an infrequent basis to

explore special areas in fashion merchandising and will carry a subtitle.

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

Supervised work-study program in a fashion related business selected by the student and 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. Prerequisites: 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, L. Wolfe

The Department of Health Science Education serves the undergraduate population with health service courses, and offers professional health education requirements. Degrees includes the Bachelor of Science in Health Science degree with majors in either Community Health or Health and Fitness Promotion, the Bachelor of Science in Medical Technology, and the Bachelor of Science in Sport Management.

### **HEALTH SCIENCE COURSES**

#### **HTH 120—ORIENTATION TO PHYSICAL AND OCCUPATIONAL THERAPY**

Orientation to the professions of physical therapy and occupational therapy. Designed to provide students an understanding of each profession, the role of each profession in health care delivery, and the requirements for admission to professional education in each profession.

#### **HTH 131—PERSONAL HEALTH PROMOTION**

Emphasis is placed on critical health issues. This

course is designed to enable the student to evaluate his/her present health status and learn how to achieve an optimum level of health.

#### **HTH 320—FIRST AID**

Theory and practice of administering first aid to victims of accidents and sudden illness.

American Red Cross "Standard First Aid and Personal Safety" and "CPR" Certification.

#### **HTH 321—MEDICAL TERMINOLOGY**

Provides a working knowledge of the elements of terms related to the human body in health and disease. Descriptive definitions and applications of practical significance are included with emphasis on the meaning of word roots and combining forms.

#### **HTH 350—ADVANCED HEALTH PROMOTION**

Based upon the most current and accurate health information, this course is designed to enable the individual to make decisions concerning personal health behavior. Prerequisites: HTH 131 or BIO 271.

#### **HTH 451—PUBLIC HEALTH**

Designed to equip the learner with an overview of public and environmental health concepts. Contemporary issues are discussed including health services, health promotion, politics of health care and a variety of other public health issues. Prerequisite: HTH 350

#### **HTH 452—COMMUNITY HEALTH ISSUES IN AFRICA**

This course deals with the status of community health in countries throughout Africa and among African Americans. Major topics to be covered are: communicable and non-communicable diseases, the role of social epidemiology in African communities, health education, primary health care development, population density and fertility control, malnutrition and environmental health, traditional African medicine and health care delivery.

#### **HTH 491—INTERNSHIP IN HEALTH SCIENCE**

Supervised work-study program in a health related, fitness, or wellness setting. Students are expected to interview for positions which are preapproved by the internship supervisor. (A 2.0 GPA and completion of all other coursework is required to enroll in this course.)

#### **HTH 495—SPECIAL PROBLEMS**

An opportunity for advanced student to pursue a health oriented problem.

**HTH 531—HEALTH FOR ELEMENTARY SCHOOLS**

Introduces the student to the basic phases of the elementary school program from grades K-8. It is designed primarily for teacher education but should be of interest to educators in general and community health workers in clarifying problems as they relate to the elementary school health program. One-hour lecture and two two-hour laboratories per week.

**HTH 550—GENERAL SAFETY AND FIRST AID**

An analysis of the nature and scope of the accident problem. Special emphasis is placed on accident causation and prevention. Also, the theory and practice of administering first aid to victims of accidents and sudden illness. American Red Cross "Standard First Aid and Personal Safety" and "CPR" Certification.

**HTH 555—ORGANIZATION AND MATERIALS OF THE SCHOOL HEALTH PROGRAM**

This course involves the student with three phases of the school health program, health education, health services and the healthful school environment, as they relate to grades 9 through 12.

**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.

**DEPARTMENT OF NURSING**

Kaye A. Herth, Chair

Professor: M. Coleman, K. Herth

Associate Professors: J. Alberto, C. Hanson,

D. Hodnicki, S. Homer, K. Koon,

C. Simonson

Assistant Professors: S. Abbott, K. Barger,

P. Collins, W. Daniels, A. Garrigues,

B. Hamilton, E. Hilde, P. McGinnis, C. Shriver

Instructors: S. Layton, S. Lopez, A. Rushing

Georgia Southern University's Department of Nursing offers degree programs at the baccalaureate and masters levels. The Nursing faculty is committed to helping meet the nursing care needs of the multiethnic 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 99 credit hours of nursing courses. Degree requirements include both classroom and clinical experiences. Clinical course settings include large urban hospitals, smaller rural hospitals, nursing homes, and community health care agencies such as public health departments, home health care agencies, industrial settings, schools, clinics, and physician offices. Students are responsible for their own transportation to and from clinical settings, some of which may be 40 miles or more from campus. Required clinical experiences include both day and evening hours beginning with the junior level nursing courses.

BSN nursing program applicants must meet the University entrance requirements as described in the University *General Catalog*. All applicants must apply for admission to both the University and the Department of Nursing. Once admitted to the University, students are assigned an academic advisor who will assist the student in planning a program of study.

In order to be considered for admission to the Baccalaureate Degree Program in Nursing, applicants must have met the following minimum requirements:

1. Attained admission to Georgia Southern University
2. Achieved a minimum adjusted grade point



- average of 2.5 on all course work attempted by the application deadline, (including both transfer course work and work completed at Georgia Southern University).
3. Completed a minimum of 30 quarter hours of earned credit prior to the application deadline;
  4. Completed the first course in the prescribed science course sequence;
  5. Returned the nursing application to the Department by the deadline announced with the application; and
  6. Obtained three references and confirmed that they were received by the Department of Nursing by the published deadline.

The following requirements must be met before enrollment in NUR 251:

1. Completion of a minimum of 45 quarter hours of earned credit.
2. Completion of a prescribed 10 hour lab science sequence.
3. Completion of BIO 271 (A & P) and enrollment in BIO 272.
4. Completion of Nursing Health requirements including separate Health Form.
5. Purchase of liability insurance.

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 an urban tertiary care center. Transportation, moving, and maintenance costs are the student's responsibility. Students must purchase uniforms, white shoes and hose, 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. Graduation expenses include the cost of a nursing pin, academic regalia rental and state board license 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. Prerequisite: CHE 171, 172 BIO 271. Co-requisite: BIO 272; NFS 252.

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

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

#### **NUR 321—NURSING THE WELL PERSON**

Focus is on health promotion, health assessment activities and illness prevention. Introduces the concept of stress, its impact on health and stress management programs. Prerequisites: Level 1 Nursing courses. Corequisites: NUR 351 and 341 or permission of the instructor.

#### **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. Corequisite: NUR 352 and 342 or permission of instructor.

#### **NUR 323—NURSING TOOLS 2: CARING**

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

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

Content is correlated with NUR 351, Nursing the Expanding Family; focuses on the normal healthy, perinatal expanding family. Students assess, plan, implement, and evaluate nursing care of selected individuals and families.

Practicum settings: homes, community hospitals, public health departments and physicians' 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 NUR 321. Corequisites: NUR 352 and NUR 322.

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

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

**NUR 351—NURSING THE EXPANDING FAMILY**

Focus of this course is on promotion of health of the normal perinatal expanding family. Theories of family development are explored with emphasis on health assessment, promotion, and maintenance. The normal aspects of the four trimesters of pregnancy, parenting, family developmental tasks and health education are examined.

Prerequisites: Level I courses. Corequisite: 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, NUR 341 and NUR 321. Corequisites: NUR 342 and NUR 322.

**NUR 353—NURSING PROBLEMS II**

Focuses on the nursing care given in response to health problems related to lifestyle, fluid and electrolyte, energy and self-image problems.

Prerequisites: Level I Nursing courses, NUR 352 and NUR 342 and NUR 322. Corequisites: NUR 343 and NUR 323.

**NUR 355—URBAN TERTIARY NURSING PRACTICUM**

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

**NUR 391—URBAN TERTIARY NURSING**

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

**NUR 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 399—SELECTED TOPICS IN NURSING**

Study of selected nursing topics. Course credit varies from 1 to 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 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 441—RURAL PRIMARY CARE NURSING PRACTICUM**

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

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

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. Corequisite: NUR 457, 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 program, impact of poverty on health care, sexism and racism in health care. Prerequisites: 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 456—RURAL PRIMARY CARE NURSING**

Introduces the student to community health and the role and functions of the nurse in rural community health settings. Content focuses on the family and community as a client system. Prerequisites: Second level nursing course. Corequisites: NUR 441 and NUR 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 Nursing 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 470—HEALTH AND THE AGING PROCESS**

This course is designed to explore the aging processes and health promotion and health maintenance activities. Theories of aging, the effects of aging on the psychosocial health status, common health problems and health services and resources are examined. The cost of health services as it relates to prevention of illness and health promotion to maintenance of health and restoration of health are also explored.

**NUR 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. Prerequisite: 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 399—Selected Problems in Nursing

**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 to 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. This course will be used as a prerequisite course for the Master of Science in Nursing.

**NUR 556—HEALTH POLICY CONCERNS IN DELIVERY SYSTEMS.**

Focus is on health care systems, economics, & public policy. Explores implications for nursing practice.

**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, T. Perry

The Department of Recreation and Leisure Services offers graduate and undergraduate emphases in Public Recreation, Therapeutic Recreation, Commercial Recreation, Outdoor Recreation and hospitality and Tourism Management.

**REC 100-411 a, b, c—RECREATION CONVOCATION**

Provides an opportunity for the freshman through senior student to interact with practitioners from public, private, commercial and other recreation agencies.

**REC 151—INTRODUCTION TO RECREATION**

Designed for both majors and non-majors, this course examines cultural and personal recreation attitudes and behaviors, as well as the rapidly growing field of leisure services in America. Commercial, outdoor, therapeutic, public, volunteer agency, military, church, industrial recreation and hotel and tourism management areas are explored.

**REC 152—RECREATION LEADERSHIP**

Deals with the philosophical and practical aspects of program construction, leadership skills and methods.

**REC 252—PROGRAM PLANNING**

Provides methodology, philosophy, and experiences in program development for recreation agencies.

**REC 351—ORGANIZATION AND ADMINISTRATION OF PUBLIC RECREATION**

Provides the student with philosophies and four-

dations 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 non-profit recreation settings interrelationships between recreation, food services, 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 cataloguing 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 evaluations of client ability and disability levels, and designing and implementing individual and/or group leisure education strategies and methodologies.

**REC 457—THERAPEUTIC RECREATION AND OLDER ADULTS**

This course explores the role of therapeutic recreation services with the older adult as both client and potential service provider. Aging stereotypes and age-related activity myths are examined as well as strategies and techniques for the therapeutic use of recreation in helping older adults to achieve and maintain quality living experiences in community, transitional, and institutional settings.

**REC 458—MARKETING TOURISM SERVICES**

Introduction to basic principles and concepts of marketing the travel and tourism product and service. Applications of tourism services utilizing case-specific travel industry and tourism examples and exercises. 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 multi-generational 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 fundraising, membership and volunteer organizations, maintenance and security, staff requirements, and professionalism.

**REC 491 a, b—RECREATION INTERNSHIP**

For Recreation majors. Students work in a professional recreation program under a qualified recreation director for three months as a full-time worker in the program. (Student must have at least a 2.0 GPA to enroll in this course.)

**DEPARTMENT OF SPORT SCIENCE AND PHYSICAL EDUCATION**

C. Hardy, Chair

Professors: J. Blankenbaker, P. Cobb, D. Cotten, S. Gallemore, C. Hardy, W. Spieth

Associate Professors: J. McMillan, D. Wagner

Assistant Professors: G. Floyd, B. Joyner, M. Li, L. McCarthy, D. Ramsey, J. Stallings

Instructor: K. Pruitt

Students enrolling in the Bachelor of Science in Education may major in health and physical education. This major prepares the student for public school teaching and coaching.

A second major, Sport Management, is listed under the Bachelor of Science in Health Science. This major is also administered by the Department of Sport Science and Physical Education. This course of study combines the business and sport related fields.

The general student is required to complete HTH 131 and four Physical Education Activity courses. Students who are 26 years of age, or older, may substitute other courses for the physical education activity courses. Six quarter hours of credit for physical education activity courses will be awarded when a student provides evidence (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.

**RECREATIONAL ACTIVITIES****PEA 100—CANOEING, BEGINNING**

Provides the student with canoeing skills, knowledge of water safety, and the hazards associated with the sport. Field trip required. For men and women.

**PEA 101—DANCE, CLOGGING, BEGINNING**

Includes basic clogging used in clogging dance routines. For men and women.

**PEA 102—DANCE, BALLET, BEGINNING**

For men and women.

**PEA 103—DANCE, FOLK, BEGINNING**

Includes folk dances from foreign countries and from the U.S. For men and women.

**PEA 104—DANCE, MODERN, BEGINNING**

Interpretative dancing. For men and women.

**PEA 105—DANCE, MOD. & BAL., ADV.**

For men and women.

**PEA 106—DANCE, SOCIAL, BEGINNING**

Includes all steps and dances used in ballroom dancing. For men and women.

**PEA 107—DANCE, SQUARE, BEGINNING**

Includes basic square dance movements and selected American folk dances which include square dance movements. For men and women.

**PEA 108—DANCE, TAP, BEGINNING**

For men and women. (Students must furnish shoes.)

**PEA 109—FENCING, BEGINNING**

Students must furnish fencing glove. For men and women.

**PEA 110—FENCING, TOURNAMENT**

Emphasizes the use of basic skills in tournament situations. Prerequisite: PEA 109 or permission of the instructor. For men and women.

**PEA 111—FOOTBALL, TOUCH**

For men and women.

**PEA 112—KARATE, BEGINNING**

For men and women.

**PEA 115—SOCCER, BEGINNING**

For men and women.

**PEA 116—TUMBLING, BEGINNING**

For men and women.

**PEA 117—FUNDAMENTALS OF WESTERN HORSEBACK RIDING**

This course is designed to teach students basic skills in western horseback riding. This includes

safety, grooming, feeding, conditioning, saddling and riding a horse in the walk, jog, and lope gaits.

**PEA 118—FITNESS WALKING**

For men and women. Credit: 1 hour.

**PEA 119—TRAILRIDING**

This course is designed for the horseback rider who enjoys open area riding, rather than confinement to a riding pen. This class will give the rider the opportunity to enjoy nature from the back of a horse. Prerequisite: PEA 117 or permission of instructor.

**PEA 291—LINE DANCING**

Includes primarily country western line dances (non-partner). For men and women.

**PEA 292—COUNTRY WESTERN COUPLE DANCES**

Includes a variety of country western couple dances. For even number of men and women.

**PEA 293—OUTDOOR EDUCATION**

A variety of outdoor activities: canoeing, backpacking, repelling, orienteering and others. Field trip required.

**PEA 295—SCUBA, BEGINNING**

For men and women. Special fee required.

**PEA 296—SCUBA, ADVANCED**

This course is designed to provide the novice diver with a structured, well-supervised means to gain the practical experience needed after initial certification. Prerequisite: PEA 295 or permission of instructor. Special fee required.

**STRENGTH & ENDURANCE TRAINING****PEA 200—AEROBIC DANCE**

For men and women.

**PEA 201—BODY CONDITIONING**

For men and women.

**PEA 202—FITNESS SWIMMING**

For men and women.

**PEA 203—JOGGING**

For men and women.

**PEA 204—WEIGHT TRAINING**

For men and women.

**LIFETIME SPORTS****PEA 205—ARCHERY, BEGINNING**

For men and women. (Students must furnish arrows.)

**PEA 206—BADMINTON, BEGINNING**

For men and women. (Students must furnish rackets.)

**PEA 207—BADMINTON, ADVANCED**  
For men and women. Prerequisite: PEA 206 or permission of instructor.

**PEA 208—BASKETBALL, BEGINNING**  
For men and women. Beginners only.

**PEA 209—BOWLING, BEGINNING**  
For men and women. Special fee required.

**PEA 210—GOLF, BEGINNING**  
For men and women. Special fee required.

**PEA 211—RACQUETBALL, BEGINNING**  
Students must furnish racquet and balls.

**PEA 212—RACQUETBALL, ADVANCED**  
For men and women. Prerequisite: PEA 211 or permission of instructor.

**PEA 214—SOFTBALL, BEGINNING**  
For men and women. (Students must furnish gloves.)

**PEA 215—SWIMMING, BEGINNING**  
For non-swimmers and beginners only. Men and women.

**PEA 216—SWIMMING, INTERMEDIATE**  
Develops various strokes and diving techniques. Men and women.

**PEA 217—TENNIS, BEGINNING**  
For men and women. (Students must furnish racquets and balls.)

**PEA 218—TENNIS, ADVANCED**  
For men and women. Prerequisite: PEA 217 or permission of instructor.

**PEA 219—VOLLEYBALL, BEGINNING**  
For men and women.

### PROFICIENCY TESTING

Credit by examination is described in the catalog under General Information. The proficiency for P.E. activity classes has the following policies and regulations.

- A. Written and skill tests are required.
- B. Proficiencies may be attempted only in the following:
  - Badminton
  - Advanced Badminton
  - Basketball
  - Bowling
  - Golf
  - Racquetball
  - Advanced Racquetball
  - Soccer
  - Softball

Intermediate Swimming  
Tennis  
Advanced Tennis  
Volleyball

### MAJOR COURSES PHYSICAL EDUCATION

**PE 230—DANCE AND AQUATICS**  
A techniques course designed to acquaint the student with various dance and aquatic activities.

**PE 231—TUMBLING AND TRACK AND FIELD**  
Theory in calisthenics movement. Includes stunts and basic tumbling and pyramid building with emphasis on procedure in teaching these activities.

**PE 232—ATHLETIC TRAINING**  
Prevention and correction of accidents in athletic activities; the use of proper personal and field equipment, support methods, conditioning exercises, the medical examination and the therapeutic aids.

**PE 320—COACHING SWIMMING AND DIVING TECHNIQUES**  
A course designed to introduce techniques and methods of competitive swimming and diving.

**PE 328—THEORY OF SPORT CONDITIONING**  
A course intended for students preparing to undertake responsibilities in the areas of coaching fitness programs and/or related areas. Two two-hour labs per week.

**PE 330—MODERN AND SOCIAL DANCE**  
Provides opportunity for skill development and teaching techniques of the two types of dance.

**PE 331—PRINCIPLES OF OFFICIATING**  
Designed to give prospective high school coach and recreator a knowledge and understanding of the principles and basics techniques of officiating in a wide variety of sports and recreation activities.

**PE 332—LIFEGUARDING**  
Course meets the requirements of the American Red Cross and qualifies the individual for certification as a lifeguard. Prerequisite: Lifeguard swim test.

**PE 333—WATER SAFETY INSTRUCTION**  
Meets the requirements of the American Red Cross and qualifies the individual for certification as a water safety instructor. Laboratory and assisting periods to be arranged.



**PE 334—COACHING FOOTBALL**

Deals with fundamentals. Consideration given to rules, team strategy, both offensive and defensive and training procedures. One lecture and two two-hour laboratory periods each week.

**PE 335—COACHING BASKETBALL**

Similar to 334, except that basketball is the sport considered. One lecture and two two-hour laboratory periods each week.

**PE 336—COACHING BASEBALL AND SOFTBALL**

Similar to 334, except that baseball and softball are the sports considered. One lecture and four one-hour laboratory periods a week.

**PE 337—PHYSICAL EDUCATION FOR EARLY CHILDHOOD K-4**

Develops skills, techniques, and methods for teaching in the elementary schools (K-4) grades. One lecture and two two-hour labs per week.

**PE 338—PHYSICAL EDUCATION FOR MIDDLE GRADES 4-8**

Develops skills, techniques and methods for teaching in the middle schools (4-8) grades. One hour lecture and two two-hour laboratory periods each week.

**PE 339—PHYSICAL EDUCATION FOR SECONDARY SCHOOLS 9-12**

Develops skills, techniques and methods for teaching in the secondary schools (9-12) grades. One hour lecture and two two-hour laboratories per week.

**PE 352—FOUNDATIONS OF HEALTH AND PHYSICAL EDUCATION**

An introduction to the fields of health and physical education. Biological, physiological and sociological principles of health and physical education are stressed. Past and current trends also receive emphasis.

**PE 354—ANATOMY AND APPLIED KINESIOLOGY**

A study of anatomic systems as they relate to the mechanical principles of the analysis of motor skill activities. Three one-hour lectures and two two-hour laboratory periods per week.

**PE 355—COACHING PRACTICUM**

Advanced coaching experience in any of the varsity sports. Includes observation, practicum and seminar work in the sport. Prerequisite: beginning coaching course in the sport.

**PE 399—SELECTED TOPICS IN PHYSICAL EDUCATION**

Topics of special interest to P.E. will be studied.

**PE 432—COACHING MINOR SPORTS**

Introduces the student to the responsibilities of the coach in five sports: tennis, golf, swimming, gymnastics and track and field.

**PE 434—ADVANCED THEORY AND PROBLEMS IN ATHLETIC TRAINING**

A combination of advanced theory and practical application on the treatment of athletic injuries. Prerequisite: PE 232 or the equivalent.

**PE 435—PRINCIPLES AND MOTIVATIONAL ASPECTS OF ATHLETICS**

The course is designed to study various motivational aspects and approaches to coaching athletics. Anxiety and arousal interaction will provide the theoretical base for developing a specific inventory.

**PE 436—FOLK AND SQUARE DANCE TEACHING TECHNIQUE**

A course designed to introduce teaching techniques for folk dance (American and International) and square dance with emphasis on proper skill execution as well as appropriate content methodology for elementary, middle grades, high school and adult students.

**PE 493—DIRECTED INDIVIDUAL STUDY**

Permits the undergraduate student to study or investigate an area of interest under the direction of a faculty member. Permission required.

**PE 536—PROGRAM DEVELOPMENT**

This course will deal with the organization of the physical education curriculum. Special attention is given to the selection of activities in light of desired outcomes. Prerequisite: PE 352.

**PE 551—ADAPTED PHYSICAL EDUCATION, RECREATION AND SPORTS**

Examines the importance of physical education, recreation and sports in the growth and development of impaired and disabled children and presents specific strategies and techniques for implementing adapted activities and programs.

**PE 553—RESEARCH IN P.E. AND SPORT TECHNIQUES**

A study of recent research findings directly concerning various selected sports.

**PE 554—FITNESS AND WELLNESS PROGRAMS**

Deals with all phases of fitness and wellness pro-

grams: including administering fitness tests and evaluations and developing objectives for the programs, program organization, and content.

**PE 555—PHYSIOLOGY OF EXERCISE**

Physiological changes in the human organism due to physical exercise in stress situations. Four one hour lectures and one two-hour laboratory periods per week.

**PE 556—RESEARCH STRATEGIES IN EXERCISE AND SPORT SCIENCE**

An introduction to an application of methods involved in conducting experimental research in exercise and sport science and related areas.

Students will collectively carry out at least one experimental investigation. Prerequisite: PE 555.

**PE 558—ADMINISTRATION AND LEADERSHIP OF P.E. AND SPORT**

Deals with administration and leadership of P.E. programs, the interschool athletic programs and the intramural and school recreation programs. Prerequisite: PE 352 or SM 350.

**PE 561—TESTS AND MEASUREMENTS IN PHYSICAL EDUCATION**

Lectures, laboratory, and computer experience in the development, evaluation and application of tests in Sport Science. Four one-hour lectures and one two-hour laboratory period each week. Prerequisite: PE 352.

**MAJOR COURSES SPORT MANAGEMENT**

**SM 250—INTRODUCTION TO SPORT MANAGEMENT**

The introduction to administration principles as they relate to sport will be examined. The need for highly trained sport managers who can function successfully in complex and varied sport settings is also explored.

**SM 351—SPORT MANAGEMENT PRACTICUM**

Each student receives practical Sport Management experience in a sport-business related department in his/her area of interest. Practicum will be done on campus or locally.

**SM 450—SPORT ENTERPRISE OPERATION**

A course designed to enable the student to learn how actual sport enterprises are operated. Includes health and fitness centers, racquetball clubs, country clubs, civic centers and professional sport clubs.

**SM 451—SOCIAL AND ECONOMIC INFLUENCE OF SPORT**

A course designed to introduce the student to the study of sport as a science. Includes an in-depth look at the social and economic effects of sport.

**SM 452—RISK MANAGEMENT IN SPORT**

The course focuses on identification of and correction of risks that lead to accidents and/or lawsuits.

**SM 453—ATHLETIC DIRECTOR**

Examines day to day operations to long range planning for the entire athletic program of an institution.

**SM 454—SPORT PROMOTION AND MARKETING**

Its value to the overall success of any sports related business dealing most specifically with inter-collegiate athletics will be examined.

**SM 455/CAB 455—SPORT BROADCASTING**

A course designed to teach broadcasting techniques specific to sports. Includes lecture, discussion, and simulated broadcasts by students.

**SM 456—SPORT FINANCE AND FACILITY MANAGEMENT**

This course will examine the fundamental concepts and theories of finance applicable to the field of sport management as well as the principles and procedures involved in sport facility management

**SM 493—DIRECTED INDIVIDUAL STUDY**

Permits the undergraduate student to study or investigate an area of interest under the direction of a faculty member. Permission required.

**SM 550—LEGAL PROBLEMS IN SPORT MANAGEMENT**

This course is designed to help the student to develop an understanding of selected problems in sports and to develop approaches for avoiding and/or solving these problems.

**SM 551—ATHLETIC GOVERNANCE**

This course will deal with the constitution and bylaws of the National Collegiate Athletic Association (NCAA) and National Association of Intercollegiate Athletics (NAIA). Special emphasis is given to rules compliance, Title IX compliance, and rules education.

**SM 591—SPORT MANAGEMENT INTERNSHIP**

This internship allows the senior in Sport Management an opportunity to receive practical

experience in selected athletic or sport related settings. Normally, the internship is one quarter and will pay the student the prevailing wage level for the job preferred. Prerequisite: Junior-Senior standing and consent of the Department Chair.

#### **SM 599—SELECTED TOPICS**

Topics of special need and interest to Sport Management will be studied.

#### **CENTER FOR RURAL HEALTH AND RESEARCH**

The Center for Rural Health and Research is housed within the College of Health and Professional Studies. The Center works closely with the different departments, colleges, and constituencies in developing needed programs and in conducting research and service activities relevant to the needs of communities within the rural Southeast. The staff also provides leadership in the rural health movement at both the state and national levels in an attempt to improve the health and quality of life for rural residents.

The Senior Companion Program, the Roosevelt Warm Springs satellite clinic, a rural information office for substance abuse, a Tools for Life Technology Demonstration Center for the Disabled, and various other research and service projects are coordinated under the CRHR.

For more information about rural health programs, contact the Director, Center for Rural Health and Research, L. B. 8148, Georgia Southern University, Statesboro, GA 30460, (912) 681-0260.



## ALLEN E. PAULSON COLLEGE OF TECHNOLOGY

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## PURPOSE AND ORGANIZATION

Technology is the study of mankind using mind, materials and energies for purposeful change. The student is involved in problem analysis and solution, designing and experimentation, creating and construction using the tools, materials, processes, products and energies currently available. The programs cover a large part of the technological spectrum, providing relevant education to meet the aptitudes and needs of students as they prepare to become future designers, planners, managers and implementors in their field of specialization. The programs also provide a formal base of higher education in the various areas of technology.

The Allen E. Paulson College of Technology consists of three separate departments and the Engineering Studies Office. The Department of Engineering Technology administers the following programs: Bachelor of Science degrees in Civil Engineering Technology, Electrical Engineering Technology, Industrial Engineering Technology and Mechanical Engineering Technology. The Department of Industrial Technology administers the Bachelor of Science degrees in Construction, Manufacturing (with majors in Apparel Manufacturing and Industrial Management), and Printing Management. The Department of Military Science administers the Army ROTC program which leads to a commission as a second lieutenant at the time of graduation. In addition, both the Regent's Engineering Transfer Program and the Two Plus Engineering Transfer Program are administered by the Allen E. Paulson College of Technology and coordinated by the Engineering Studies Office.

The Allen E. Paulson College of Technology is a member of the Engineering Technology College Council of the American Society of Engineering Education. The Allen E. Paulson College of Technology is also affiliated with the Georgia Society of Professional Engineers. Students' professional development are furthered through membership in student chapters or clubs of: the Georgia Society of Professional Engineers; the Society of Black Engineers, the American Institute of Aeronautics and Astronautics, the American Society of Civil Engineers; the Society of Manufacturing Engineers; the National Association of Home Builders; the Institute of Electrical and Electronic

Engineers; the Printing Industry Association of Georgia; the Institute of Industrial Engineers, and the American Society of Mechanical Engineers.

The Civil Engineering Technology, Electrical Engineering Technology, Industrial Engineering Technology and the Mechanical Engineering Technology programs are accredited by the Technology Accreditation Commission of the Accreditation Board for Engineering and Technology. The Building Construction and Contracting, Industrial Management and Printing Management programs are accredited by the National Association of Industrial Technology.

### Advisement and Degree Requirements

Each student is assigned an advisor according to their proposed major. The advisor's responsibility is to review, offer suggestions, make recommendations and approve the student's registration plans and progress toward the degree goals.

This catalog is the official description of degree program requirements. It is the student's responsibility to: (1) know and meet these requirements; (2) prepare a schedule of classes each quarter and obtain the advisor's approval before registering; and (3) keep the advisor informed on any problems that may arise.

Students must complete the core curriculum as outlined. All majors have specific mathematics and science requirements. Therefore it is to the student's advantage to fit these specific requirements into the core curriculum whenever possible. In this way both the core curriculum and the requirements of the major may be met.

Transfer credits accepted by the university will be used to satisfy major requirements at the discretion of the major advisor. Upon request proficiency examinations may be given in those areas of the major for which student has no college credit. Upon successful completion of the examination, the student will receive advanced placement credit. A minimum of 45 hours of upper division credit must be earned at Georgia Southern.

### CO-OP PROGRAM

The Allen E. Paulson College of Technology offers its students the opportunity to gain work experience related to their academic majors, begin the career decision making process and earn money for educational expenses. This is accomplished through a co-op plan that is provided on an optional basis in all technology majors.

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

Co-op students may register for GT 499 Special Problems/Co-op, one quarter hour credit, each quarter they are on a work assignment. An S/U grade is assigned for each quarter on the basis of the employer's evaluation only.

No commitment is made by either the student or employer for full-time employment upon completion of the co-op program. However a company may offer career employment upon graduation.

## DEPARTMENT OF ENGINEERING TECHNOLOGY

### Degree Programs:

- Bachelor of Science in Civil Engineering Technology
- Bachelor of Science in Electrical Engineering Technology
- Bachelor of Science in Industrial Engineering Technology
- Bachelor of Science in Mechanical Engineering Technology

The Bachelor of Science degree in the several fields of engineering technology is the academic requirement for engineering technologists who, working with engineers, utilize state-of-the-art equipment and methods in engineering applications. Graduates of the degree programs enter the occupational spectrum which ranges between the technologist on one end and the engineer on the other. The engineering technologist's training parallels that of the engineer and entry level positions are found in design and development, technical operations, plant operations, management, project/process planning, production, technical services or sales.

The academic programs are four-year, calculus-based technical programs. Applications of

technical knowledge to current industrial practices and problems are stressed.

High school preparation for the engineering technology program should include English composition, algebra, trigonometry, geometry, chemistry, physics, and biology. In addition subjects such as drafting and computer programming are useful.

### Admission Classification

Students will be assigned to the major of their choice at the time of admission. If a student does not select one of the four majors, he/she will be assigned to the Pre-Engineering Technology classification. The student can remain in the Pre-Engineering Technology classification for two quarters, by which time he/she shall transfer to a specific major.

## BACHELOR OF SCIENCE IN CIVIL ENGINEERING TECHNOLOGY

The program of study is designed to give the student a 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, and 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

See Core Curriculum, Areas I, II, III .....60 hours  
Health (3 hours) and Physical

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

### AREA IV AND SPECIFIC REQUIREMENTS

Area IV requirements for Civil Engineering Technology include 30 hours of Chemistry, Technical Writing, Calculus I and II, Technical Drawing, Computer Drafting, Computer Programming and additional Physics beyond that required in Area II. The use of courses in these six specified subjects to satisfy the Area IV requirements assumes that a two-course sequence in physics and courses in college algebra and trigonometry have been taken to satisfy Area II of the core curriculum. Area IV requirements are satisfied by courses under Specific Requirements

**Specific Requirements:**

- (\*)Designates Area IV Requirements
- ES 121—Introduction to Engineering Technology.....2 hours
- MAT 151 and 152—College Algebra and Trigonometry.....10 hours
- PHY—General College Physics/Lab.....10 hours
- CHE 171—General Chemistry/ Lab.....5 hours
- \*ENG 271—Technical Writing.....5 hours
- MAT 166 and 167—Analytical..... Geometry and Calculus I, II.....10 hours
- \*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 36—Soils and Foundations .....5 hours
- CET 363—Structural Analysis .....5 hours
- CET 364—Steel Design .....5 hours
- CET 452—Transportation 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 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**

- Fall*
- ES 121
- MAT 151
- TD 130
- Core III Elective

- Winter*
- MAT 152
- PSC 250
- ENG 151
- HPE 131

- Spring*
- MAT 166
- ENG 152
- CHE 171
- PE Activity

**2nd Year**

- Fall*
- PHY 251
- MAT 167
- ES 231

- Winter*
- TD 220
- PHY 252 or 253
- ES 251
- ENG 251, 2 or 3
- PE Activity

- Spring*
- PHY 252 or 253
- ES 253
- CET 351
- PE Activity

**3rd Year**

- Fall*
- ES 252
- ES 355 or ES 351
- CET 363
- PE Activity

- Winter*
- ES 354
- CET Elect.
- IET 481

- Spring*
- Core 1 Elective
- ENG 271
- CET 452

**4th Year**

*Fall*  
 CET 345  
 CET 361  
 CET Elect

*Winter*  
 CET 343  
 CET 456  
 CET Elect  
 Core III Elect

*Spring*  
 CET 364  
 CET Elect  
 Core III Elect

Fall CET Electives: 352, 458; Winter CET Electives: 365, 353; Spring CET Elective: 455

**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 upperdivision credits must be earned at Georgia Southern. A minimum of 190 hours is required for graduation.

**GENERAL EDUCATION REQUIREMENTS**

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

**AREA IV AND SPECIFIC REQUIREMENTS**

Area IV requirements for Electrical Engineering Technology include 30 hours of Chemistry, Technical Writing and Presentation, Calculus I, II, and III, Engineering Graphics and Computer Programming. Area IV requirements assume that a two-course sequence in physics and courses in college algebra and trigonometry have been taken to satisfy Area II of the core curriculum. Area IV requirements may be satisfied by courses designated under Specific Requirements.

**Specific Requirments:**

(\*)designates Area IV requirements  
 ES 121—Introduction to Engineering Technology.....2 hours  
 MAT 151 and 152—College Algebra and

Trigonometry.....10 hours  
 PHY—General College Physics/lab .....10 hours  
 CHE 171—General Chemistry/Lab.....5 hours  
 \*ENG 271—Technical Writing and Presentation .....5 hours  
 \*MAT 166 and 167—Analytic Geometry and Calculus .....10 hours  
 \*MAT 264—Calculus III.....5 hours  
 \*TD 130—Technical Drawing.....3 hours  
 \*TD 220—Computer Drafting.....2 hours  
 \*ES 231—Digital Computation (FORTRAN).....3 hours  
 ES 251—Statics .....5 hours  
 ES 351—Thermodynamics .....5 hours  
 IET 481—Engineering Economy.....5 hours  
 EET 210—Introduction to Electrical Engineering Technology.....1 hour  
 EET 350, 353—Circuit Analysis I and II.....10 hours  
 EET 351, 354—Electronics I and II.....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 Any upper-division Math, Physics, Computer  
 MAT 265 Calculus IV.....5 hours Science, Engineering Technology, or Industrial  
 Technology courses approved by the advisor may  
 also be used as technical electives.

### SUGGESTED BS EET CHRONOLOGY

(Underline indicates critical courses which should not be delayed.)

#### 1st Year

*Fall*  
MAT 151 Alg  
 PSC 250 Amer Govt  
 HIS 152/3 History  
 ES 121 Intro to ET

*Winter*  
MAT 152 Trig  
 ENG 151 English  
 TD 130 Drawing  
 PE Activity

*Spring*  
MAT 166 Calc I  
 CHE 171 Chemistry  
 TD 220 Comp Drafting  
 ENG 152 English  
 PE Activity

#### 2nd Year

*Fall*  
 MAT 167 Calc II  
 Physics  
 Area III Elect  
 PE Activity

*Winter*  
 MAT 264 Calc III  
 HIS 252/3 History  
 Physics  
 PE Activity

*Spring*  
 EET 210 Intro EET  
 ES 251 Statics  
 Area I Elect  
 ENG 251/2/3 Eng Lit

#### 3rd Year

*Fall*  
 EET 350 Circuits I  
 ENG 271 Tech Writing  
 ES 231 Fortran

*Winter*  
 HTH 131  
 EET 353 Circuits II  
 EET 351 Electronics I  
 IET 481 Eng Econ

*Spring*  
 EET 456 Digital  
 EET 462 Op Amps  
 EET or Tech Elect (3)

#### 4th Year

*Fall*  
 EET 458 Micro  
 EET 420 Adv. Inst.  
 EET 451 Rot. Mach.  
 EET 354 Electr. II

*Winter*  
 EET 465 Sr Proj  
 EET or Tech Elect  
 EET or Tech Elect

*Spring*  
 ES 351 Thermo  
 EET or Tech Elect  
 EET or 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 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

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

### AREA IV AND SPECIFIC REQUIREMENTS

The Area IV requirements for Industrial Engineering Technology include 30 hours of chemistry, calculus I and II, computer programming, engineering graphics, technical writing and additional physics beyond that required in Area II. Area IV requirements assume that a two-course sequence in physics and courses in college algebra and trigonometry have been taken to satisfy Area II of the core curriculum. Area IV requirements are satisfied by courses designated under Specific Requirements.

#### Specific Requirements:

(\*) Designates Area IV Requirements  
 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 .....5 hours  
 ES 351—Thermodynamics .....5 hours  
 ES 355—Introduction to Electric Circuits .....5 hours  
 ACC 260—A Survey of Accounting .....5 hours  
 MFG 350—Industrial Processes and Materials.....5 hours  
 IM 352—Statistical Quality Control.....5 hours  
 MGT—354 Business Statistics .....5 hours  
 MGT 355—Decision Science I.....5 hours  
 IET 320—Industrial Safety.....2 hours  
 IET 352—Productivity Measurement and Improvement.....5 hours  
 IET 333—Introduction to Industrial Engineering Technology .....3 hours  
 IET 431—Senior Project.....3 hours  
 IET 450—Production Planning.....5 hours  
 IET 451—Plant Layout.....5 hours  
 IET 481—Engineering Economy.....5 hours  
**Approved Technology Electives for IET majors:**  
 IET 335—Job Evaluation.....3 hours  
 IET 453—Industrial Systems Simulation .....5 hours  
 IET 399—Selected Topics in Industrial Engineering Technology .....variable  
 IET 422—Project Planning and Control.....2 hours  
 IET 452—Introduction to Robotics and Computer Integrated Manufacturing....5 hours  
 IET 490—Directed Independent Study.....variable  
 IET 495—Special Problems in Industrial Engineering Technology .....variable  
 ES 450—Computer Methods in Engineering Technology .....5 hours  
 TD 333—Computer Aided Drafting .....3 hours  
 MFG 352 Metal Machining .....5 hours

## MFG 450 Computer Aided

Machining.....5 hours

**SUGGESTED BS IET CHRONOLOGY:**

(Underline indicates critical courses which should not be delayed.)

**1st Year*****Fall***

MAT 151 Alg  
 TD 130 Drawing  
 HIS 152/3 History  
 ES 121 Intro ET

***Winter***

MAT 152 Trig  
 ENG 151 English  
 HTH 131 Health  
 ES 231 Programming

***Spring***

MAT 166 Calc I  
 CHE 171 Chemistry  
 ENG 152 English  
 PE Activity

**2nd Year*****Fall***

MAT 167 Calc II  
 PHY 251 Physics  
 Area I Elect  
 TD 220 Comp Draft

***Winter***

ES 251 Statics  
 HIS 252/3 History  
 PHY 252/3 Physics  
 PE Activity

***Spring***

ENG 271 Tech Writ/Pres  
 PHY 252/3 Physics  
 PSC 250 Amer Govt  
 PE Activity

**3rd Year*****Fall***

IET 333 Intro to IET  
ES 355 Elec Circ  
MGT 354  
 Statistics  
 PE Activity

***Winter***

IET 320 Ind Safety  
ES 253 Strength  
IM 352 Quality  
 Area III Elect

***Spring***

ES 252 Dynamics  
ENG 251/2/3  
IET 352 Prod  
Measurement &  
Improvement

**4th Year*****Fall***

IET 431 Sr Proj  
 IET 481 Eng Econ  
IET 451 Plt Layout  
 ACC 260 Surv of Acctg

***Winter***

MFG 350 Ind Proc  
 IET Elect  
 ES 351 Thermo

***Spring***

IET 450 Prod Plan  
 MGT 355 Dec Sci  
 IET Elect

## BACHELOR OF SCIENCE IN MECHANICAL ENGINEERING TECHNOLOGY

The program of study is designed to give the student a broad coverage in general education with special depth in the area of mechanical engineering technology. The curriculum follows the recommendations of the Technology Accreditation Commission of the Accreditation Board for Engineering and Technology and provides depth of exposure to the areas of mechanical design, thermo/fluids, and materials/manufacturing.

### DEGREE REQUIREMENTS:

This degree requires fulfillment of the core curriculum and completion of the courses prescribed below. At least 45 hours of approved engineering technology courses must be taken at Georgia Southern. A minimum of 45 hours of upper-division credits must be earned at Georgia Southern. A minimum of 190 hours is required for graduation.

### GENERAL EDUCATION REQUIREMENTS

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

### AREA IV AND SPECIFIC REQUIREMENTS

The Area IV requirements for Mechanical Engineering Technology include 30 hours of chemistry, technical writing and presentation, calculus I and II, engineering graphics, computer programming and additional physics beyond that required in Area II. Area IV requirements assume that a two-course sequence in physics and courses in college algebra and trigonometry have been taken to satisfy Area II of the core curriculum.

Area IV requirements are satisfied by courses designated under Specific Requirements.

### SPECIFIC REQUIREMENTS

(\*) Designates Area IV requirements.

ES 121 Introduction to Engineering  
Technology.....2 hours  
MAT 151 and 152 College Algebra  
and Trigonometry.....10 hours

PHY General College Physics /Lab.....10 hours  
CHE 171 General Chemistry/Lab.....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 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 Introduction to Electric  
Circuits .....5 hours  
IET 481 Engineering Economy.....5 hours  
MET 340 Kinematics of Machines .....4 hours  
MET 343 Materials and Processes in  
Manufacturing .....4 hours  
MET 352 Applications of Thermal  
Science I.....5 hours  
MET 354 Automation and Computer  
Integrated Manufacturing Systems .....5 hours  
MET 451 Materials Science.....5 hours  
MET 435 Machine Component Design .....3 hours  
MET 446 Heat Transfer .....4 hours  
MET 456 Machine Design.....5 hours  
MPG 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**

*Fall*  
MAT 151  
ES 121  
TD 130  
 ENG 151

*Winter*  
MAT 152  
 TD 220  
 ENG 152  
 HIS 152 or 153

*Spring*  
MAT 166  
 ENG 251, 2 or 3  
 Core I Elect  
ES 231

**2nd Year**

*Fall*  
MAT 167  
ES 251  
 PHY 261

*Winter*  
 PHY 262  
ES 252  
 CHE 171  
 PE Activity

*Spring*  
ES 253  
 PHY 263  
 ENG 271  
 HTH 131

**3rd Year**

*Fall*  
 MET 354  
 ES 355  
ES 351  
 PE Activity

*Winter*  
 MET 451  
 HIS 252 or 253  
 ES 354  
 PE Activity

*Spring*  
 MET 343  
 MFG 333  
 Core III Elect  
 IET 481

**4th Year**

*Fall*  
 MET 456  
 MET 352  
 PSC 250

*Winter*  
 MET 435  
 MET 340  
 MET 446  
 PE Activity

*Spring*  
 MET Elect  
 MET Elect  
 MET Elect

**INDUSTRIAL TECHNOLOGY****DEGREE PROGRAMS:**

Bachelor of Science in Construction  
 Major: Building Construction and Contracting  
 Bachelor of Science in Manufacturing  
 Major: Apparel Manufacturing  
 Industrial Management  
 Minor: Apparel Manufacturing  
 Bachelor of Science in Printing Management

**DEGREE REQUIREMENTS:**

The Bachelor of Science degree in the various fields of Industrial Technology requires the fulfillment of the core curriculum; completion of the courses prescribed for each major; three hours of health and four hours of physical education. Forty-five hours of upper-division work must be taken at Georgia Southern University. A minimum of 190 hours is required for graduation.

**ADMISSION REQUIREMENTS:**

Students admitted to the majors must meet all general college admission requirements. Transfer students and change of major students must also be in good academic standing. Students with less than 2.0 GPA will be accepted only on a provisional basis. Upon completion of 2 successive quarters of work at a GPA 2.0, provisional students will be accepted to the major.

**High School Preparation**

High school studies should include algebra, geometry, trigonometry, chemistry and physics. Courses in drafting, computer programming, accounting, psychology and sociology are also recommended.

## BACHELOR OF SCIENCE IN CONSTRUCTION

### BUILDING CONSTRUCTION AND CONTRACTING MAJOR

The Building Construction and Contracting major prepares students for careers in both residential and non-residential segments of the construction industry. The successful graduate can anticipate employment within the construction industry as a manager, building estimator, professional contractor, planner, supervisor, manufacturers' field representative or a host of other building construction-related jobs.

The program is accredited by the National Association of Industrial Technology (NAIT).

### GENERAL EDUCATION REQUIREMENTS

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

### AREA IV AND SPECIFIC REQUIREMENTS

Area IV requirements include 5 hours from each of the following areas: accounting, chemistry, technical writing, geology, statistics and computer applications. A two-course sequence in physics and a proficiency in college algebra and trigonometry should be attained in Area II.

#### Specific Requirements

- (\*) Designates Area IV Requirements.
- \*ACC 260—A Survey of Accounting .....5 hours
- \*CHE 171—Introduction to General Chemistry .....5 hours
- \*ENG 271—Technical Writing and Presentation .....5 hours
- \*GLY 151—General Physical Geology .....5 hours
- \*STA 255—Statistics Using the Computer I.....5 hours
- \*CSI 251—Introduction to Computer Information Systems.....5 hours
- BCC 230—Construction Statics .....3 hours
- BCC 240—Construction Strength of Materials.....4 hours
- BCC 251—Construction Surveying.....5 hours
- BCC 252—Architectural Graphics and Print Reading .....5 hours
- BCC 332—History of Architecture and Construction .....3 hours
- BCC 341—Site Construction.....4 hours
- BCC 342—Quantity Estimating .....4 hours
- BCC 343—Electrical Equipment and Systems.....4 hours

- BCC 350—Building Materials and Systems.....5 hours
  - BCC 351—Mechanical Equipment and Systems.....5 hours
  - BCC 420—Construction Safety.....2 hours
  - BCC 431—Building Codes.....3 hours
  - BCC 432—Project Control .....3 hours
  - BCC 440—Concrete and Masonry Structures.....4 hours
  - BCC 441—Steel Structures .....4 hours
  - BCC 442—Wood Structures .....4 hours
  - BCC 443—Construction Cost Estimating.....4 hours
  - BCC 444—Project Planning and Scheduling .....4 hours
  - BCC 452—Construction Administration...5 hours
  - BCC 454—Senior Project.....5 hours
  - BCC 490—Seminar in Building Construction.....1 hour
  - LST 352—Legal Environment of Business I .....5 hours
  - MGT 351—Management and Organizational Behavior .....5 hours
  - Approved Upper-Division Electives to make 190 Total hours
- See advisor for approved list of electives.

**GRADE REQUIREMENT:** a grade of "C" or better is required in each of the courses listed under Area IV and Specific Requirements.

#### NOTES:

1. *These courses may be used to complete Areas I, II and III requirements. However, additional technical electives may be required to satisfy degree minimum of 190 hours.*
2. *ACC 260 and ECO 260 must be taken as pre-requisites to an elective business minor. The 300-400 level business courses will not be allowed in minor if taken ahead of ACC 260 and ECO 260.*
3. *Seminar credits may not be applied toward graduation requirements.*
4. *The BCC student can earn a minor in business with no additional required coursework by choosing MKT 350 Principles of Marketing and two other upper division electives from different business departments.*

**SUGGESTED BCC PROGRAM CHRONOLOGY**

<b><u>1st Year</u></b>		
<i>Fall</i>	<i>Winter</i>	<i>Spring</i>
ENG 151	ENG 152	PHY 251
HIS 152/153	MAT 152	PSC 250
BCC 252	CHE 171	CIS 251
PEA	PEA	PEA
<b><u>2nd Year</u></b>		
<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 251/252
ACC 260	CAS 251	/253
		PEA
<b><u>3rd Year</u></b>		
<i>Fall</i>	<i>Winter</i>	<i>Spring</i>
BCC 350	ENG 271	BCC 442
ECO 260	BCC 342	BCC 332
BCC 490	BCC 490	BCC 490
BCC 341	GLY 151	MGT 443
Elective		BCC 351
<b><u>4th Year</u></b>		
<i>Fall</i>	<i>Winter</i>	<i>Spring</i>
BCC 430	BCC 432	BCC 453
BCC 440	BCC 441	BCC 454
BCC 444	BCC 431	BCC 490
BCC 343	BCC 452	LST 352
BCC 490	BCC 490	BCC 420

**BACHELOR OF SCIENCE IN MANUFACTURING**

**APPAREL MANUFACTURING MAJOR  
APPAREL MANUFACTURING MINOR**

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**

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

**AREA IV AND SPECIFIC REQUIREMENTS**

Area IV requirements include 5 hours from each of the following areas: technical drawing, technical writing, chemistry, computer programming, accounting and economics. A two-course laboratory sequence in physics and proficiency in college algebra and trigonometry must be attained in Area II.

A grade of "C" or better is required in each of the courses used to satisfy Area IV and Specific Requirements.

**SPECIFIC REQUIREMENTS**

(\*) Designates Area IV Requirement

\*TD 150 or TD 130 & TD 220—

- Technical Drawing .....5 hours
- \*ENG 271—Technical Writing .....5 hours
- \*CHE 171—General Chemistry/Lab .....5 hours
- \*CIS 251—Intro. to Comp. Info. Systems .5 hours
- \*ACC 260—Survey of Accounting(2) .....5 hours
- \*ECO 260—Basic Economics(2) .....5 hours
- MFG 150—The Manufacturing Enterprise.....5 hours
- MAT 152—Trigonometry.....5 hours
- PHY 251, 252—College Physics/Lab.....10 hours
- MAT 255—Statistics .....5 hours
- CAS 251 or 252—Speech .....5 hours
- 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, ADM 495 Internship or  
IM 471 Industrial Supervision.....5 hours
- GT 499—Co-op .....1 hour
- Technical Electives (1).....20 hours
- Minimum.....190 hours

**NOTES:**

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

**SUGGESTED APPAREL MANUFACTURING PROGRAM CHRONOLOGY**

**1st Year**

<i>Fall</i>	<i>Winter</i>	<i>Spring</i>
ENG 151	MFG 150	HIS 152 or 153
MAT 151	ENG 152	CAS 251 or 252
TD 150	MAT 152	PSY 251
PE	PE	Health 131

**2nd Year**

<i>Fall</i>	<i>Winter</i>	<i>Spring</i>
PHY 251	MFG 352	ENG 251,252 or 253
HIS 252 or 253	MAT 255	PHY 252
PE	IM 351	PE
ACC 260	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	ADM 350	IET 330
	Tech elec (5)	ADM 450



**4th Year**

**Fall**  
 ADM 452  
 IET 451  
 Tech elect (5)

**Winter**  
 ADM 454  
 Tech elect (5)  
 ENG 271

**Spring**  
 M 452  
 IM 471  
 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**

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

**AREA IV AND SPECIFIC REQUIREMENTS**

Area IV requirements include 5 hours from each of the following areas: technical drawing, computer programming, accounting, statistics, chemistry or physics and business or technical writing. A two-course laboratory sequence in physics and proficiency in algebra and trigonometry must be attained in Area II.

A grade of "C" or better is required in each of the courses used to satisfy Area IV and Specific Requirements.

**SPECIFIC REQUIREMENTS**

- (\*) Designates Area IV Requirement
- \*TD 150 or TD 130 & TD 220—  
 Technical Drawing .....5 hours
- \*ES 231 or CIS 251—Digital Computation  
 or Intro. to Computer Systems .....5 hours
- \*ACC 260 (1)—A Survey of Accounting..5 hours
- \*MATH 255 (1)—Statistics Using the  
 Computer.....5 hours
- \*PHY 251 (1) or CHEM 171—Physics or  
 Chemistry/Lab.....5 hours
- \*ENG 271 or MKT 255—Technical Writing or  
 Business Communications .....5 hours
- CAS 251 or 252 (1)—Speech .....5 hours
- MATH 151, 152 (1)—College Algebra,  
 Trigonometry.....10 hours
- CHEM 171, 172 or General Inorganic Chemistry,

- PHY 251, 252 (1)—General College  
 Physics.....10 hours
- IET 352—Productivity Measurement and  
 Improvement .....5 hours
- IET 450—Production Planning.....5 hours
- IET 451—Plant Layout.....5 hours
- IET 481—Engineering Economy.....5 hours
- IM 351—Intro. Industrial Management.....5 hours
- IM 352—Statistical Quality Control.....5 hours
- IM 452—MFG Enterprise Assessment.....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      ECO 352
- MFG 251    MGT 375
- IET 450    MFG 353
- IM 551     IET 452
- IM 552     MGT 361
- IM 553     MGT 372

**NOTE:**

*1. Courses may be used to complete Areas I, II, and III requirements. However additional technical electives may be needed to satisfy minimum of 190 hours.*

**SUGGESTED INDUSTRIAL MANAGEMENT MAJOR CHRONOLOGY**

**1st Year**

*Fall*  
 ENG 151  
 MAT 151  
 TD 150  
 PE

*Winter*  
 MFG 150  
 ENG 152  
 MAT 152  
 PE

*Spring*  
 HIS 152 or 153  
 CAS 251 or  
 252  
 PSY 251  
 Health 131

**2nd Year**

*Fall*  
 PHY 251  
 HIS 252 or 253  
 PE  
 ACC 260

*Winter*  
 MFG 352  
 MAT 255  
 IM 351

*Spring*  
 MFG 360  
 ENG 251,252  
 or 253  
 PHY 252  
 PE

**3rd Year**

*Fall*  
 PSC 250  
 CHEM 171  
 ENG 271 or  
 MKT 255

*Winter*  
 ES 231 or CIS 251  
 IET 352  
 EM 352  
 Tech elec (5)

*Spring*  
 MFG 354  
 MFG 350  
 MFG 356

**4th Year**

*Fall*  
 MFG 450  
 IET 451  
 IET 481

*Winter*  
 IET 450  
 MFG 353  
 Tech elec (5)

*Spring*  
 IM 550  
 IM 452  
 IM 471

**BACHELOR OF SCIENCE IN PRINTING MANAGEMENT**

**PRINTING MANAGEMENT MAJOR**

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

See Core Curriculum, Areas I, II and

III.....60 hours  
 Health (3 hours) and Physical Education  
 (4 hours).....7 hours

**AREA IV AND SPECIFIC REQUIREMENTS**

Area IV requirements include 30 hours of Accounting, Marketing, Computer Information Systems, Manufacturing, Economics, and approved elective.

**SPECIFIC REQUIREMENTS**

(\*) Denotes Area IV Requirements.

\*ACC 260—Survey of Accounting.....5 hours  
 \*CIS 251—Data Processing .....5 hours  
 \*MFG 150—Manufacturing Enterprise .....5 hours  
 \*MKT 255—Business Communication .....5 hours  
 \*ECO 260—Economics.....5 hours  
 \*Approved elective .....5 hours  
 PM 250—Graphic Arts I .....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
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:

MGT 354
LST 352
FIN 251
MGT 375
MGT 376 or LST 358 or FIN 350
MGT 377 or LST 451 or FIN 451

**NOTES:**

- 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.*
- ACC 260 and ECO 260 must be taken as pre-requisites 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	5	ENG 152	5	ENG 253
PM 250	5	PM 365	5	PM 336
GT 165	5	MAT 151	5	CHEM 171
PE	1	PE	1	PE

**2nd Year**

<i>Fall</i>		<i>Winter</i>		<i>Spring</i>
CHEM 172	5	PSC 250	5	HIS 152
CIS 250	5	ECO 260	5	ART 160
PM 350	5	PM 332	3	PM 335
PE	1	PE	1	HTH 131

**3rd Year**

<i>Fall</i>		<i>Winter</i>		<i>Spring</i>
ACC 260	5	MFG 150	5	PM 434
MKT 255	5	PM 432	3	PM 451
Elective	5	PM 452	5	PM 453
		ES 231	3	

**4th Year****Summer**

PM 499 5

**Fall**

PM 455	5
Elective	5
IM 351	5

**Winter**

MKT 350	5
IM 471	5
Elective	5

**Spring**

MKT 350	5
IM 553	5
Elective	5

**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 MILITARY SCIENCE**

The Military Science Basic Course teaches the organization and roles of the U.S. Army and introduces essential background knowledge of customs and traditions, leadership, map reading, and small unit organization. These courses have the objective of developing the student's leadership, confidence, self-discipline, integrity, and sense of responsibility. *There is no service obligation or obligation to continue* in Reserve Officer Training Corps as a result of taking any Basic Course classes. However, the Basic Course classes need to be taken to qualify for entrance into the 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 MILITARY SCIENCE**

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 US Army.

The general objective of these courses is to produce junior officers who, by education, training, attitude, and inherent qualities, will be the future officer leadership of the US Army, US Army Reserve or the Army National Guard.

**ADVANCED SUMMER CAMP**

Students contracting to pursue the advanced courses are required to attend advanced summer camp, normally between their junior and senior academic years. Students attending this camp are paid and given travel allowance from their home to camp and back.

**ELIGIBILITY FOR ADVANCED COURSE ENROLLMENT**

For selection and retention in the advanced course, a student must have completed the basic

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

Generally, veterans and JROTC graduates with at least three years of high school JROTC, and students who have completed military science courses in military preparatory schools and junior colleges are eligible for advanced placement. The entire basic course may be credited. The amount of credit to be awarded is at the discretion of the professor of military science. Completion of or placement credit for the basic course is a prerequisite for admission into the advanced course.

Students who are given placement credit for any portion of the basic course must be academically aligned as a junior (90-130 quarter hours) in order to contract into the 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 if offered one. The options as to the obligations after commissioning are numerous and varied. The most esteemed achievement is to receive a Regular Army commission, which incurs a four-year active-duty obligation. Those offered a Reserve commission with active duty serve three years. Other options include a Guaranteed Reserve Forces Duty, which calls for three months to one year on active duty at an officer's basic course and 8 years service (monthly week-

end 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 \$100 per month while enrolled in the advanced course. This amounts to \$2,700 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 \$100 per month for the academic year; Based on the tuition cost of the school the scholarship cadet attends, there is a limit of \$8,000 annually or 80% of the tuition, whichever is greater. Individuals desiring to compete for these scholarships should apply to the Army Military Science Department at Georgia Southern University.

Some students who are enrolled in highly technical academic discipline programs and who qualify for Reserve Officers Training Corps scholarship benefits may be required to take an academic course load that will necessitate more than four academic years of study prior to graduation. It is possible to extend the Army Scholarship benefit to cover this additional period.

ROTC students successfully completing Advanced Camp may compete for Civilian Sponsored Scholarships awarded during their senior year. National winners receive \$1,500 and Regional winners receive \$1,000 during their senior year. Contact the Georgia Southern University, Department of Military Science at (912) 681-5320 for further information.

Refer to page 72 for information on the Bothwell A. "Snag" Johnson ROTC Honors Scholarship and the Robert J. Focht Memorial Scholarship.

## ARMY RESERVE OFFICERS TRAINING CORPS UNIFORMS, BOOKS, AND SUPPLIES

Students enrolling in the Army ROTC program will be issued U.S. Army uniforms, military books and supplies by the Military Science Department. Uniforms must be returned before commissioning or upon disenrollment from the Reserve Officers Training Corps program.

## ENGINEERING STUDIES

### Programs Available:

Regents Engineering Transfer Program (RETP)  
Two-Plus Engineering Transfer Program (2+)

The Engineering Studies Office of the Allen E. Paulson College of Technology operates two distinct engineering transfer programs designed to be compatible with the undergraduate programs of a large number of engineering schools. These programs feature courses commonly offered in the first two years of engineering work, including mathematics, chemistry, physics and fundamental engineering science courses. Additional work in English, the humanities and social sciences round out a solid base of studies geared to achieve a smooth transition to upper level studies at the engineering school of the student's choice. Through careful guidance and high-quality instruction, the programs seek to optimize the student's opportunity to successfully complete an engineering degree in their chosen discipline.

Both programs follow essentially the same curriculum. The RETP, however, is specifically designed to provide transfer to the Georgia Institute of Technology and has entrance requirements specified by the Board of Regents, which are outlined below. The two-plus program does not use the same entrance requirements, but it demands the same level of performance in the same courses as does the RETP.

Each year a number of Gulfstream Scholars scholarships are available to individuals entering or in Engineering Studies. Successful applicants receive direct scholarship support of \$2,000 per year. Additional information may be found under Scholarships.

Schools such as Auburn, Clemson, University of Florida, Florida State/FAMU, University of South Carolina and Mercer stand ready to accept transfer students from either one of these programs. Each school has its own criteria for

accepting transfers and students who maintain a good level of performance in either of these programs should be able to transfer with relative ease.

Still a third program is available at Georgia Southern which ultimately leads to an engineering degree. This is the dual degree (3+2) program administered by the Department of Physics (see Dual Degree Program).

## REGENTS ENGINEERING TRANSFER PROGRAM

Qualified students seeking a Bachelor of Engineering degree may begin their college studies at Georgia Southern through the Regents Engineering Transfer Program. Upon successful completion of the pre-engineering curriculum, students may transfer to the Georgia Institute of Technology to complete the degree requirements. Students in this program, like other Georgia Tech graduates, will normally require four to five and a-half years to complete the degree requirements, depending on their pre-college preparation, involvement in extra curricular activities and engineering major.

To be admitted to the Regents Engineering Transfer Program at this institution, students must have achieved at least:

1. 550 on the mathematics portion of the Scholastic Aptitude Test (SAT); and a
2. 450 on the verbal portion of the SAT; and a
3. 3.0 high school grade point average.

This institution's faculty members have worked closely with Georgia Tech's faculty to assure a curriculum which is well coordinated with that of Georgia Tech.

Regents Engineering Transfer Program students who satisfactorily complete the pre-engineering curriculum and apply for transfer will be accepted to Georgia Tech. However, admission to the most popular majors, as for other Georgia Tech students, will be based upon overall grade point average, performance in the required prerequisite courses and availability of student spaces.

Your work at Georgia Southern will also be compatible with engineering programs at institutions other than Georgia Tech where conditions for selection of major and length of program may differ from those described above.

**TWO-PLUS ENGINEERING TRANSFER PROGRAM**

The Two-Plus Engineering Transfer Program offers an alternative to the aspiring engineering student who may not meet all the entrance standards required for the Regents Engineering Transfer Program. The course of study is basically the same as for the RETP and should take two years, but some students may elect to follow an optional three-year plan of study which will strengthen their math and science preparation and reduce the course load taken each quarter. Qualified students who complete this program may apply for transfer to a number of engineering schools in the southeast, including Georgia Tech.

The intent in offering this program is to widen access to an engineering education as much as possible, so entrance standards are less selective than those described above for the RETP. Students must understand that 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 2.7 or better.

**CURRICULUM**

Course content of both the RETP and Two-Plus programs is essentially the same. The curriculum consists mainly of math, physics, chemistry and introductory-level engineering and engineering-related courses designed to provide the essential technical background for junior and senior level programs in a variety of engineering disciplines. These are augmented by a number of English courses and other core courses which help fulfill the non-technical course requirements of the typical engineering program. The course recommendations are listed below. Some of the engineering and engineering-related courses are recommended for all students, regardless of intended major discipline. Others are oriented toward particular disciplines and are intended mainly for those students planning to study a particular area of engineering.

**COURSES REQUIRED FOR ALL MAJORS:**

CHE 181—General Inorganic Chemistry I.....	5 hours
CHE 182—General Inorganic Chemistry II.....	5 hours
EGR 130—Introduction to Engineering .....	3 hours
EGR 132—Computer Applications in Engineering .....	3 hours

EGR 190—Freshman Engineering Seminar .....	3 hours
EGR 230—Engineering Mechanics I .....	3 hours
EGR 231—Engineering Mechanics II .....	3 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

CSC 232—Introduction 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 133—Computer & Digital Design Fundamentals (Cp,E).....	3 hours
EGR 232—Engineering Mechanics III (A, Ag, B, C, Cp, E, I, M, Mt, N, T, U).....	3 hours
EGR 237—Chemical Process Principles I (Ch).....	3 hours
EGR 238—Chemical Process Principles II (Ch).....	3 hours
EGR 331-2—Elements of Electrical Engineering I, II (Cp, E, U).....	6 hours
EGR 340—Thermodynamics I (A, Ag, B, C, M, N, T, U).....	4 hours
EGR 353—Mechanics of Deformable Bodies (A, Ag, C, M, Mt, N, T, U) .....	5 hours

## SUGGESTED ENGINEERING STUDIES COURSE SEQUENCE:

1st Year

*Fall*  
 MAT 166  
 CHE 181  
 ENG 151  
 EGR 130  
 EGR 190

*Winter*  
 MAT 167  
 CHE 182  
 ENG 152  
 EGR 132  
 EGR 190

*Spring*  
 MAT 264  
 PHY 261  
 HIS 252 or 253  
 EGR 190  
 Major elective

2nd Year

*Fall*  
 MAT 265  
 PHY 262  
 EGR 230  
 Major electives

*Winter*  
 MAT 249  
 PHY 263  
 EGR 231  
 Major electives

*Spring*  
 MAT 350  
 PSC 250  
 Major electives

**COURSE DESCRIPTIONS**
**ALLEN E. PAULSON  
 COLLEGE OF TECHNOLOGY**

Dr. James E. Manning, Dean

**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.

**ES 121—INTRODUCTION TO  
 ENGINEERING TECHNOLOGY**

An introduction to the field of engineering technology. Includes speakers from different areas of engineering technology practice, individual student presentations on an engineering technology area/project, introduction to problem definition and standard computational techniques, and presentations on professional registration and professional ethics. Two lecture hours.

**ES 231—DIGITAL COMPUTATION**

An introduction to digital computation, designed to acquaint the student with the fundamentals of

computing techniques. An appropriate programming language is used. Three single lecture periods. Prerequisite: Math 151-152 or 165.

**ES 251—STATICS**

The study of force systems on bodies at rest or in non-accelerated motion; resultants and equilibriums of force systems; centroids and moments of inertia; trusses and frames and machines; friction. Five single lecture periods. Prerequisite: Math 165 or Math 152, TD 130, and ES 121.

**ES 252—DYNAMICS**

The study of kinetics and kinematics of particles and rigid bodies; work and energy; impulse and momentum as applied to particles. Five single lecture periods. Prerequisites: Math 167 and ES 251.

**ES 253—STRENGTH OF MATERIALS**

Stress and elastic deformation under axial, torsional, flexural and combined loading, beam deflection; materials testing. Four single lecture periods and one two-hour lab. Prerequisites: Math 167 and ES 251.

**ES 351—THERMODYNAMICS**

An introduction to thermodynamics. First and second law analysis of thermal systems. Use of property charts and tables and equations of state in analyzing common thermal processes of technological importance. Four single lecture periods and one-2 hour lab. Prerequisites: Math 166; Corequisite: Math 167.

**ES 354—FLUID MECHANICS**

Fundamentals of fluid statics and fluid dynamics; fluid properties, static and dynamic forces, flow



losses, flow measurement, closed conduit and open channel flow. Four single-lecture periods and one two-hour lab. Prerequisite: ES 251. Corequisite: Math 167.

### **ES 355—INTRODUCTION TO ELECTRICAL CIRCUITS**

For non-electrical engineering technology majors. An introduction to AC and DC Electric Circuits with topics in power, rotating machinery, and other areas commonly encountered in Civil, Industrial and Mechanical Engineering Technology. Four single lecture periods and one three-hour lab period. Prerequisite: Physics 263.

### **ES 399—SELECTED TOPICS IN ENGINEERING SCIENCE**

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

### **ES 450—COMPUTER METHODS IN ENGINEERING TECHNOLOGY**

Application of computer methods to problems in engineering technology; use of BASIC and FORTRAN languages on microcomputers for technical problem solutions; DOS, word processor, and spread sheet applications. Prerequisites: ES 231 and senior standing.

### **ES 495—SPECIAL PROBLEMS**

Specialized study in the area of engineering science not otherwise offered in the engineering technology program. Credit: 5 hours—may be taken for repeated credit up to 15 hours.

## **CIVIL ENGINEERING TECHNOLOGY**

### **CET 343—CONSTRUCTION MATERIALS**

An introduction to fundamental construction materials in civil engineering technology with emphasis on laboratory testing. Analysis and design of base courses; design of portland cement concrete mixes; design of asphalt concrete mixes. Two lecture hours and two two-hour labs. Prerequisite: ES 253.

### **CET 345—INTRODUCTION TO ENVIRONMENTAL CONTROL**

Pertinent legislation and agencies addressing environmental protection; chemical and bacteriological principles as applied to environmental control; stream sanitation and DO sag; principles of solid waste systems and hazardous waste control; standard laboratory tests. Three single lecture periods and one three-hour lab. Prerequisite: CHEM 171 or 181.

### **CET 351—ELEMENTARY SURVEYING I**

Use of the level, transit, and EDM; taping, stadia reading, notekeeping and computations. Three single lecture periods and two two-hour labs. Prerequisite: Math 152.

### **CET 352—ELEMENTARY SURVEYING II**

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 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 microcomputers. 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.

**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 two-day 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 and ES 354.

**CET 458—TRAFFIC ANALYSIS AND CONTROL**

A fundamental treatment of the elements of traffic studies and data collection, geometric design, capacity analysis and evaluation, and control operations and management.

**CET 495—SPECIAL PROBLEMS**

Specialized study. Prerequisite: junior standing, definition of problem and permission of instructor six weeks prior to beginning of quarter.

**ELECTRICAL ENGINEERING TECHNOLOGY****EET 210—INTRODUCTION TO ELECTRICAL ENGINEERING TECHNOLOGY**

An introduction to electrical engineering technology with elementary digital logic, and an introduction to laboratory equipment, measurements and technical report writing. One three-hour lab. Prerequisite: MATH 166 Calculus I.

**EET 350—CIRCUIT ANALYSIS I**

An introduction to basic circuit analysis including DC and AC circuits, network theorems and

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

**EET 351—ELECTRONICS I**

An introduction to basic solid state devices including diodes, BJT's and FET's and their applications in rectifiers, amplifiers and power supplies. Four single lectures and one three-hour lab period. 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 Incircuit Analysis, Transfer Functions, Fourier Analysis. Four single lecture periods and one three-hour lab period. Prerequisite: EET 350 and Math 264.

**EET 354—ELECTRONICS II**

A continuation of EET 351. Topics include FET devices and amplifiers, power amplifiers, operational amplifiers, multistage amplifiers, feedback amplifiers, oscillators, tuned amplifiers, and regulated power supplies. Four single lecture periods and one three-hour lab period. Prerequisites: EET 351 and EET 353.

**EET 360—RF AMPLIFIER DESIGN**

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

**EET 399—SELECTED TOPICS IN EET**

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

**EET 420—ADVANCED INSTRUMENTATION**

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

**EET 450—INDUSTRIAL ELECTRONICS**

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

**EET 451—ROTATING MACHINES**

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

**EET 452—ELECTRICAL DISTRIBUTION**

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

**EET 455—ENGINEERING MEASUREMENTS**

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

**EET 456—DIGITAL CIRCUITS**

A study of basic asynchronous and synchronous logic circuits. Topics include logic functions, Boolean operations, logic families, 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 the devices and circuits within modern electronics communications systems. Basic RF transmission and receiving systems, antennas, audio signal processing, and other selected topics are included. Four single lecture periods and one

three-hour lab period. Prerequisite: EET 354.

**EET 458—MICROPROCESSORS**

A study of operation and application of Z80 Microprocessor. Course topics include microprocessor architecture, memory, peripheral devices, interfacing and microprogramming. Four single lectures and one two-hour lab period. Prerequisite: EET 456 or permission of instructor.

**EET 459—CONTROL SYSTEMS**

An introduction to feedback control theory including block diagrams, transfer functions, stability properties of feedback, and classical design methods. Five lecture periods. Prerequisite: EET 353.

**EET 462—OPERATIONAL AMPLIFIERS**

An introduction to operational amplifiers, including ideal amplifiers, basic feedback structures, op-amp characteristics, regulators, filters, and non-linear circuits. Four single lecture periods and one two-hour lab period. Prerequisite: EET 351.

**EET 465—ELECTRONIC ENGINEERING TECHNOLOGY SENIOR PROJECT**

Individually applied "Product Design and Build" project that includes specifications, scheduling, computer-aided engineering and design (CAE/CAD), printed circuit board fabrication and performance testing. Other requirements are weekly progress reporting, oral presentations, and a comprehensive written report. Two double lecture periods and one two-hour lab period. Prerequisite: Senior Standing in EET.

**EET 477—FIBER OPTIC COMMUNICATIONS**

Fiber optic technology as applied to communication systems. Study of various types of optical fibers, laser and LED, photodiodes, optical connectors and optical systems. Five lecture periods. Prerequisite: EET 354 or permission of instructor.

**EET 490—DIRECTED INDEPENDENT STUDY**

An individualized study involving research and applications pertaining to electrical engineering technology. Credit 1-5 hours. Prerequisites: senior standing and definition of project six weeks prior to enrollment.

**EET 495—SPECIAL PROBLEMS**

Specialized study in areas of electrical engineering technology not otherwise offered in the elective program. May be taken for repeated credit up to 10 hours.

## **INDUSTRIAL ENGINEERING TECHNOLOGY**

### **IET 320—INDUSTRIAL SAFETY**

Development, programs, and practices of safety in modern industry. Two single lecture periods. Prerequisite: None.

### **IET 333—INTRODUCTION TO INDUSTRIAL ENGINEERING TECHNOLOGY**

An overview of the field of industrial engineering technology including its historical development and its application to the usual industrial organization. Many of the topics considered will be further developed in specific major courses that follow. An integral part of the course will be guest speakers and field trips, some of which will involve additional time beyond the scheduled class hour. Three single lecture periods. Prerequisite: ES 121.

### **IET 335—JOB EVALUATION**

A survey of the basic principles and significance of job evaluation. An analysis of current practices and techniques used in job analysis, job descriptions, and job evaluation. Prerequisite: IET 333. Three single lecture periods.

### **IET 352—PRODUCTIVITY MEASUREMENT AND IMPROVEMENT**

A study of various methods and tools used in industry and business to measure and improve work productivity. Content areas include: motion study, time study, predetermined time standards systems, work factors, work sampling, incentive systems, ergonomics, and other special topics for methods improvement and work measurement. Four single lecture periods and one two-hour lab.

### **IET 399—SELECTED TOPICS IN IET**

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

### **IET 422—PROJECT PLANNING AND CONTROL**

The study of project scheduling and management, including program evaluation and review technique (PERT), critical path methods (CPM), line balancing techniques, job scheduling, and related problems. Computer applications will be used for selected topics. One lecture period and one two-hour lab period. Prerequisites: Math 152 or 165, IET 333 or permission of instructor.

### **IET 431—SENIOR PROJECT**

Directed work on individual projects for senior industrial engineering technology students. Prerequisite: Senior standing in IET.

### **IET 450—PRODUCTION PLANNING**

Planning, tooling, production, and material problems involved in the manufacture of products. Five single lecture periods. Prerequisite: IET 451.

### **IET 451—PLANT LAYOUT AND MATERIALS HANDLING**

The fundamental theories, practices, and methods for the design of manufacturing and service facilities; materials handling equipment and services. Three single lecture periods and two two-hour labs. Prerequisites: IET 320, IET 352, or consent of the instructor.

### **IET 452—INTRODUCTION TO ROBOTICS AND COMPUTER INTEGRATED MANUFACTURING**

An introduction to basic robotics and computer integrated manufacturing and their applications in industries. Lab experiments are designed to give students the hands-on experience on the programming and integration of robots and CIM technologies in real manufacturing systems. Five credit hours. Three single lecture periods and two two-hour labs. Prerequisite: Math 152, ES 231, or consent of the instructor.

### **IET 453—INDUSTRIAL SYSTEMS SIMULATION**

The modeling and analysis of real-world industrial systems by discrete and/or continuous simulation methods. Some popular simulation software packages will be taught and used as the modeling tool. Four single lecture periods and one two-hour laboratory. Prerequisites: One computer programming course, ES 231, CSC 232 or equivalent.

### **IET 481—ENGINEERING ECONOMY**

The principles and techniques needed to make decisions about the acquisition and retirement of capital goods; the output and life of equipment, its operating costs, its depreciation rates and its economic selection. Five single lecture periods. Prerequisite: Math 152 or 165.

### **IET 490—DIRECTED INDEPENDENT STUDY**

An individualized study involving research and applications pertaining to Industrial Engineering Technology. Credit 1-5 hours. Prerequisite: Senior standing and definition of project 6 weeks prior to enrollment.

**IET 495—SPECIAL PROBLEMS**

Specialized study in areas of Industrial Engineering Technology not otherwise offered in the elective program. May be taken for repeated credit up to 15 hours.

**MECHANICAL ENGINEERING TECHNOLOGY****MET 340—KINEMATICS OF MACHINES**

Kinematic analysis and design of the basic machine components and an introduction to mechanism synthesis. Three double periods. Prerequisite: ES 252.

**MET 343—MATERIALS PROCESSING**

Traditional as well as modern processing techniques. Limitation on the use of different materials and their processing, metal-casting processes and equipment, forming and shaping processes and equipment, material-removal processes and machines, joining processes and equipment. Should be taken simultaneously with the laboratory course MFG 333—which provides Lab experience on the above topics. Four single lectures weekly. Prerequisites: MET 451.

**MET 352—APPLICATIONS OF THERMAL SCIENCE I**

Technological applications of thermodynamics including production of power, refrigeration, air conditioning, and combustion. Four single lecture periods and one two-hour lab. Prerequisites: ES 351 and ES 354.

**MET 354—AUTOMATION & COMPUTER INTEGRATED MANUFACTURING SYSTEMS**

Fundamental concept in manufacturing, automation, and various topics in production and related control systems. These include numerical control, industrial robots, computer integrated manufacturing systems and flexible manufacturing systems. Four lectures and one two-hour lab weekly. Prerequisites: TD 130, TD 120, ES 231.

**MET 399—SELECTION TOPICS IN MET**

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

**MET 435—MACHINE COMPONENT DESIGN**

The detailed design of components such as gears, bearings, clutches, brakes, springs and cams. Prerequisite: MET 456.

**MET 446—HEAT TRANSFER**

An introduction to basic energy transport by conduction, convection and radiation. Applications to extended surfaces, heat exchanger, etc. Three single lecture periods and one two-hour lab. Prerequisite: MAT 167.

**MET 451—MATERIALS SCIENCE**

Study of engineering materials such as metals and alloys. Atomic structure and arrangement; control of the 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, conditioning and analysis. Thermal, mechanical and fluid measurement applications, report writing. This course is cross listed with EET 455. Three single hour lectures and two double-hour labs. Prerequisites: EET 350 or ES 355 and Senior standing.

**MET 456—MACHINE DESIGN**

Principles of mechanical design/the design of machine elements with consideration given to strength requirements, fatigue, material properties and modes of failure. Computer applications are stressed. Prerequisite: ES 253.

**MET 457—MECHANICAL SYSTEMS DESIGN**

A senior design course requiring that the student call upon all of his academic preparation in the solution of mechanical systems problems. Five double periods. Prerequisites: MET 456, MET 435 and MET 340.

**MET 459—VIBRATIONS**

Free and forced vibrations of one, two and multi-degree-of-freedom systems. Theory is developed and applied to practical cases. Four single lecture periods and one two-hour lab. Prerequisite: ES 252.

**MET 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 six weeks prior to the beginning of the quarter.

**DEPARTMENT OF INDUSTRIAL TECHNOLOGY**

K. Hickman, Chair

Professors: K. Hickman, D. Ross, S. Williams

Associate Professors: T. Belanyi, L. Fine,

J. Holmes, W. Meeks, C. Perry, L. Selvidge, and D. Williams

Assistant Professors: S. Altayeb, C. Beard,

G. Duncan, H. Mortensen, and A. Roe

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 230—CONSTRUCTION STATICS**

A study of statics as focused on the needs of the builder. Topics include analysis of coplanar determinant static forces, bending moment and shear diagrams, friction, trusses and frames, and centroids and moments of inertia. Prerequisite: PHY 251. Two single periods and one double period.

**BCC 240—CONSTRUCTION STRENGTH OF MATERIALS**

A study of applied strength of construction materials. Topics include stresses and strains; property of materials; shear, bending moment, and deflection in beams; and column analysis. Prerequisite: BCC 230. Three single lecture periods and one double period lab.

**BCC 251—CONSTRUCTION SURVEYING**

An introduction to the equipment and techniques used for construction layout. Topics include taping, leveling, angle and bearing determinations, traverse computations, topographic surveying and project layout. Prerequisites: MAT 152, MAT 255 and BCC 252. Three single-lecture periods and two double-lab periods.

**BCC 252—ARCHITECTURAL GRAPHICS AND PRINT READING**

A study of construction working drawings. Sketching techniques for the presentation of floor plans, elevations, sections, and building compo-

nents. A study to familiarize the student with the use of computer aided drafting and design in the development of construction drawings. Three single lecture periods and two double lab periods.

### **BCC 332—HISTORY OF ARCHITECTURE AND CONSTRUCTION**

A study of architectural history and construction. Topics include architectural styles, historically significant buildings, construction methods, and notable architects and builders. Prerequisite: ENG 271, BCC 252 and satisfy Area III History requirements. Three single lecture periods.

### **BCC 341—SITE CONSTRUCTION**

Fundamentals of site and foundation layout, earth movement and equipment, protection of excavations and adjacent buildings, foundation types and horizontal construction on building sites. Prerequisites: BCC 240, BCC 251, CHE 171, GLY 151. Two single-lecture periods and two double lab periods.

### **BCC 342—QUANTITY ESTIMATING**

A study of construction estimating with emphasis on quantity take-off and specifications including the techniques of interpreting and visualizing construction drawings. All 16 divisions of the CSI Master Format will be covered. Prerequisite: BCC 350. Two single lecture periods and two double lab periods. (CSI-Construction Specifications Institute).

### **BCC 343—ELECTRICAL EQUIPMENT AND SYSTEMS.**

A study of Electrical Equipment and Systems as related to the building construction industry. Topics include principles of electrical power, lighting and signal systems and electrical codes. Prerequisite: PHY 253 and BCC 252. Three single lecture periods and one double lab period.

### **BCC 350—BUILDING MATERIALS AND SYSTEMS**

A study of materials, systems, and methods of construction. Topics include material properties, selection and application criteria and construction processes. Covers divisions 7-14 of CSI master-format. Prerequisites: BCC 252, CHE 171, PHY 252. Five single lecture periods.

### **BCC 351—MECHANICAL EQUIPMENT AND SYSTEMS**

A study of Mechanical Equipment and Systems as related to the building construction industry. The course is composed of two parts. Part one addresses thermo flow and ventilation character-

istics, air handling systems, and mechanical codes. Part two addresses domestic water and waste systems, fire sprinkler and standpipe systems, and plumbing codes. Prerequisites: PHY 252 and BCC 252. Five single lecture periods.

### **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 offerings shall carry a subtitle for topic identification. Prerequisite: Instructor permission.

### **BCC 420—CONSTRUCTION SAFETY**

A study of safe construction site management techniques. Topics include hidden costs of accidents, workers' compensation, OSHA regulations, construction disasters, safe construction training and planning. Prerequisites: Senior class standing in BCC. Two single lecture periods.

### **BCC 431—BUILDING CODES**

A study of codes used in the building construction industry with special emphasis on the Standard Building Code and the Life Safety Code. Prerequisites: ENG 271, BCC 350, BCC 440, BCC 441 or consent of instructor. Three single periods.

### **BCC 432—PROJECT CONTROL**

An integrated budget-schedule project control during the entire life of the project, with more emphasis on the construction phase. Topics include the concept of Work Package Breakdown Structure (WPBS), resource loading within work packages, earned value, and analyzing and forecasting budget and schedule. Prerequisites: BCC 443 and BCC 444. Three hours lecture.

### **BCC 440—CONCRETE AND MASONRY STRUCTURES**

A study of materials, systems, and construction of concrete and masonry as it applies to building construction. Topics include fundamental properties of concrete; formwork design and construction; concrete reinforcing and accessories; concrete handling, finishing, and curing; field testing of concrete; masonry and mortar materials and accessories; and masonry construction. Prerequisite: BCC 442. Three single-lecture periods and one double-lab period.

### **BCC 441—STEEL STRUCTURES**

A study of materials, systems, construction methods, and the structural analysis of steel as it

applies to building construction. Topics include fundamental properties and characteristics of steel; strength to steel framed systems; and an analogy of the methods used in the design, production and erection of structural steel.

Prerequisites: BCC 240 and CHE 171. Three single-lecture periods and one double-lab period.

#### **BCC 442—WOOD STRUCTURES**

A study of materials, systems, construction methods, and structural analysis of wood as it applies to building construction. Topics include: fundamental properties and characteristics of wood; strength analysis of wood and wood fasteners; introduction to wood framed systems; and an analysis of the methods used in the design, production and erection of wood construction.

Prerequisites: BCC 240, BCC 252 and CHE 171. Four single lecture periods.

#### **BCC 443—CONSTRUCTION COST ESTIMATING**

Course topics include direct and indirect costs, labor and equipment analysis, price adjustments, purpose of cost estimates and review of related finance topics. The students are introduced to the cost estimating manuals and software in the preparation of cost estimates. Prerequisites: BCC 342. Four single lecture periods.

#### **BCC 444—PROJECT PLANNING AND SCHEDULING**

Fundamentals and techniques of scheduling and planning for construction projects. Topics include bar charts, critical path method using both arrow and precedence networks, CPM calculations, lags and leads, cost-time trade-offs, PERT, resource leveling, and updating schedules during construction. Students will be introduced to the use of the computerized scheduling. Prerequisites: CIS 251 Junior or senior status in BCC program. Four single lecture periods.

#### **BCC 452—CONSTRUCTION ADMINISTRATION**

A study of construction business operations. Topics include business ownership, company organization, project bidding/negotiating methods, construction contracts, contract bonds and construction insurance. Prerequisite: Senior Standing in BCC. Five single lecture periods.

#### **BCC 454—SENIOR PROJECT**

An exercise in the total planning of a simulated building construction project utilizing major ele-

ments of the BCC program as evidenced by the production of written and drafted information and the completion of standardized documentation. Primary emphasis is on the development of building and the compliance with building code and handicap access requirements, coordination of engineering elements, completion of typical construction documentation and production of a project estimate and schedule. Prerequisites: All BCC 300 and 400 level coursework or consent of instructor. Required BCC coursework may be taken concurrently with this course. One single-lecture period and four double-lab periods.

#### **BCC 490—SEMINAR IN BUILDING CONSTRUCTION**

A seminar designed to expose BCC students to pertinent advances and relevant topics of the construction industry. Presenters from the faculty and the construction industry host seminar sessions designed to enhance the professional development of BCC students. All BCC students must enroll each quarter after achieving junior class standing. Credits may be applied to graduation requirements. Prerequisite: Junior class standing BCC major.

#### **BCC 495—SPECIAL PROBLEMS IN BUILDING CONSTRUCTION**

Individualized study in the area of building construction and contracting not otherwise available in the student's program. Credit variable from one-five quarter hours depending on magnitude of study. Prerequisites: Permission from instructor six weeks prior to beginning of quarter in which study is to take place.

#### **GENERAL TECHNOLOGY**

##### **GT 152—MAN, TECHNOLOGY, AND TRANSPORTATION**

The methods and means for employing energy in land, water, air and space transportation systems.

##### **GT 165—TECHNOLOGY, SCIENCE AND ENVIRONMENT**

A systematic investigation of the constructs of technology in terms of their bases in scientific principles and their impact on the global environment.

##### **GT 199—SELECTED TOPICS IN TECHNOLOGY**

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



**GT 353—METHODS AND MATERIALS OF CONSTRUCTION**

A survey of the construction enterprise and fundamental exploration of the commonly used building materials and methods.

**GT 399—SELECTED TOPICS IN TECHNOLOGY**

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

**GT 495—SPECIAL PROBLEMS IN TECHNOLOGY**

Individual research in technology. Variable credit. Prerequisites: Definition of the problem and permission of the instructor prior to the beginning of the quarter.

**GT 499—SPECIAL PROBLEMS/CO-OP**

One credit hour

**GT 599—SELECTED TOPICS IN TECHNOLOGY**

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

**INDUSTRIAL MANAGEMENT****IM 351—INTRODUCTION TO INDUSTRIAL MANAGEMENT**

The development, organization and operation of manufacturing industries.

**IM 352—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 recognition and control, fire protection, OSHA compliance. Five hours lecture.

**IM 556—SYSTEM SAFETY IN MANUFACTURING**

This course provides an overview of the concepts involved in the application of systems safety to manufacturing and production systems. Emphasis is placed on the critical analysis of systems through modeling, analysis, and development of strategies to control the frequency and severity of industrial accidents.

**IM 599—MANUFACTURING INTERNSHIP**

The Manufacturing Internship provides practical application and experience in cooperating industry and business. This course is designed to permit attendance at an approved industry-sponsored work experience for the purpose of providing the

student with advanced related occupational or technical training.

**MANUFACTURING****MFG 150—THE MANUFACTURING ENTERPRISE**

A study of the activities common to manufacturing companies in the free enterprise system. Students are engaged in academic study paralleled with organizing, owning and operating a simulated company which develops, produces, and markets a competitive product for a profit. Two single and three double periods.

**MFG 250—THE INDUSTRIAL ENTERPRISE**

A study of the historical, present, and future perspective of the technology man has created as part of the free enterprise system. The integration of people, machines and materials into production systems to meet mankind's needs and wants for goods and services.

**MFG 333—MACHINING, FORMING AND FABRICATION PRACTICUM**

A general study and practicum of machining, forming and fabrication techniques utilized in industry including conventional machining, CNC machining, layout development, bending and forming press work, foundry, mechanical assembly and welding. One single-lecture and two double-lab periods. Prerequisites: TD 120, TD 130, and MET 354 Corequisite: MET 343.

**MFG 350—INDUSTRIAL PROCESSES AND MATERIALS**

A study of the manufacturing processes utilized by industry to cut, shape, form, fasten and finish materials into industrial products. An emphasis is placed on the properties of common industrial materials such as metals, plastics, ceramics, etc. and their manufacturing appropriateness and adaptability to various manufacturing processes. No prerequisites.

**MFG 351—INDUSTRIAL MAINTENANCE PRACTICES AND PROCEDURES**

A study of the industrial maintenance practices and procedures necessary in a manufacturing production environment. Topics include preventive maintenance, maintenance scheduling, mechanical systems maintenance and electrical electronic systems maintenance.

**MFG 352—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 produc-

tive 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, MK 350, WT 350.

#### **TD 350—INDUSTRIAL PRODUCTION DRAFTING**

A sequel to TD 150 concentrating on technical drafting from the production-manufacturing standpoint. Topics include detailed working drawings, tolerances, jigs, fixtures and the like. Three single periods and four hours laboratory. Prerequisite: TD 150.

#### **TD 399—SELECTED TOPICS IN DRAFTING**

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

#### **TD 495—SPECIAL PROBLEMS IN TECHNICAL DRAFTING AND DESIGN**

An opportunity for individual research and experimentation in design or drafting. Prerequisite: Definition of the problem and permission of the instructor six weeks prior to beginning of the quarter. Variable credit.

**DEPARTMENT OF MILITARY SCIENCE**

Professor of Military Science: Lieutenant Colonel Steven E. Wells

Assistant Professors: Major Don Police, Captain Cyprien Laporte

Senior Instructor: Master Sergeant Usher Appling

Instructors: Sergeant First Class Frederick Wright, Staff Sergeant Suk Park

The Department of Military Science conducts the Department of the Army Senior ROTC Program which is divided into two phases. The basic course, consisting of the courses listed immediately below, is normally open to freshmen and sophomore students only. Basic course students incur no service obligation and are provided an opportunity to sample ROTC and U.S. Army offerings. Basic course students are eligible to compete for two and three year academic scholarships. Scholarship recipients receive full tuition costs, fees, a textbook allowance, plus \$100 a month for up to 10 months each year.

All students entering Military Science courses should have a statement from a physician attesting that the student is capable of participating in strenuous physical activities.\* This statement must be no more than one year old from time of entry.

The advanced course is recommended for students who have completed the Basic Course and desire to pursue a commission in the US Army.

*\* This statement may be obtained through the GSU Health Center. Coordination for an appointment should be made through the Military Science Department.*

**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, map reading, customs and traditions of the service, military writing, implement 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 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.

**ENGINEERING STUDIES**

Dr. Gerald Jones, Professor and Director

Dr. James E. Manring, Professor

Mr. Richard D'Amato, Assistant Professor

Dr. Shahnam Navaee, 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 132—COMPUTER APPLICATIONS**

Introduction to computer applications in engineering. Topics include PC operating procedures, word processing, spreadsheets, MathCAD, and "quattro" software applications. (AE 1600) Prerequisite: Any introductory computer experience.

**EGR 133—COMPUTER & DIGITAL DESIGN FUNDAMENTALS**

To introduce the fundamental concepts of digital systems including digital computers. Course topics include basic logic gates, logic minimization, logic hardware, and computer hardware organization. (EE 1300)

**EGR 190—FRESHMAN ENGINEERING SEMINAR**

A seminar designed to expose the freshman engineering student to various non-technical aspects of the engineering profession. These topics include careers in engineering, the engineering curriculum, ethics and other professional responsibilities, and other related topics. Required of all freshman engineering studies majors. One single lecture period per week for three quarters.

**EGR 230—ENGINEERING MECHANICS I**

Fundamental concepts of mechanics; Statics of particles; Kinematics of particles; Kinetics of particles-Newton's Second Law Method; Kinetics of particles-Energy and Momentum Methods. Text at the level of Beer & Johnston, Vector Mechanics for Engineers. Prerequisite: PHY 261. Corequisite: MAT 264.

**EGR 231—ENGINEERING MECHANICS II**

Moments and equivalent systems of forces on rigid bodies; Centroids and centers of gravity; Statics of rigid bodies; Analysis of trusses by the methods of joints and sections; frames and machines; friction. Text at the level of Beer & Johnston, Vector Mechanics for Engineers. (ESM 2201) Prerequisite: EGR 230.

**EGR 232—ENGINEERING MECHANICS III**

Area and mass moments of inertia; 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 & Johnston, Vector Mechanics for Engineers. (ESM 3201) Prerequisite: EGR 231.

**EGR 237—CHEMICAL PROCESS PRINCIPLES I**

Development of the material balance relation. Systems of Units, gas behavior, material and thermodynamic properties of substances. Application of material balances to steady-state physical and chemical processes. Text at the level of Felder and Rousseau, *Elementary Principles of Chemical Processes*. (CHE 2207). Prerequisites: CHE 182, MAT 264.

**EGR 238—CHEMICAL PROCESS PRINCIPLES II**

A continuation of EGR 237. Development of the energy balance equation. Discussion of thermo-physical and thermochemical concepts. Application of combined material and energy balances to steady- and unsteady-state physical and chemical processes. Text at the level of Felder and Rousseau, *Elementary Principles of Chemical Processes*. (CHE 2208). Prerequisite: EGR 238.

**EGR 323—INSTRUMENTATION LABORATORY**

Introduction to instrumentation equipment, techniques and practice. Operation of oscilloscopes and meters. Measurement of parameters of devices and components. Two lecture hours and one three hour lab period. (EE 3400)

**EGR 330—INTRODUCTION TO ELECTRONIC SYSTEMS**

An introduction to electric circuit elements and electronic devices and a study of circuits containing such devices. Both analog and digital systems are considered (EE 3710). Prerequisite: PHY 263.

**EGR 331—ELEMENTS OF ELECTRICAL ENGINEERING I**

An introduction to basic concepts of circuit elements, circuit models and techniques for circuit analysis. (EE 3200) Prerequisite: PHY 263.

**EGR 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 340—THERMODYNAMICS I**

An introduction to thermodynamics. Thermodynamic properties, state postulate, work interactions, steady state and transient energy and mass conservation, entropy, and the second law (ME 3322). Text at the level of Hartley and Black, *Thermodynamics*. Prerequisites: PHY 262, MAT 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 231, MAT 265.

**MASTER OF TECHNOLOGY**

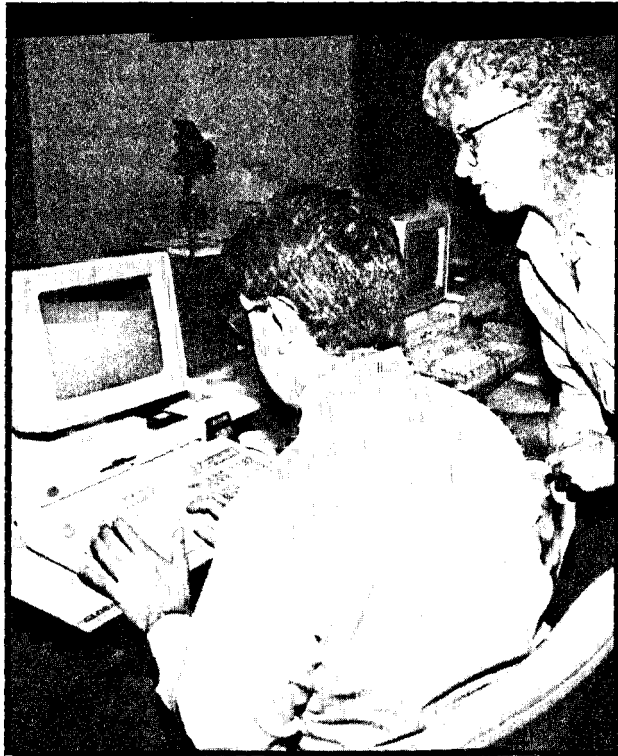
Dr. David Williams, Director

1. Minimum of three quarters (one academic year) or three summer sessions in residence.
2. Satisfactory completion of a program of study that includes 40 quarter hours of course work and research.
3. A thesis.
4. A terminal examination.

For unqualified admission to the College of Graduate Studies to pursue graduate work leading to the Master of Technology degree, the applicant must have:

1. Completed requirements for the bachelor's degree in a college accredited by the proper regional accrediting association.
2. An average of "C+" (2.5 grade point average) or higher on all undergraduate work.
3. A score of no less than 900 on the Graduate Record Examinations, Verbal and Quantitative. A student may be granted provisional admission with a minimum score of 800 on the GRE accompanied by a better than 2.5 (4.0 scale) cumulative grade point average on undergraduate college work.
4. An undergraduate major or the equivalent in the proposed field of study.





## COLLEGE OF GRADUATE STUDIES

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## COLLEGE OF GRADUATE STUDIES

Responding to increasing needs for graduate/professional programs in South Georgia, the Board of Regents of the University System of Georgia approved university status for Georgia Southern College, effective July 1, 1990. Georgia Southern University is now the state's most comprehensive university south of Atlanta.

The elevation of Georgia Southern to university status brings the graduate-level instructional activities at Armstrong State College and Savannah State College in Savannah into the College of Graduate Studies at Georgia Southern University. Armstrong State College and Savannah State College maintain autonomy as undergraduate colleges but participate in graduate activities under the auspices of the College of Graduate Studies at Georgia Southern University. While all undergraduate degrees continue to be awarded by the three participating institutions, all graduate degrees are now awarded by Georgia Southern University.

### PURPOSE AND ORGANIZATION

Graduate programs are designed to provide students with the opportunity and resources to enhance their educational, professional, and cultural backgrounds while improving their professional skills and competence. Graduate programs encourage scholarly inquiry through the appropriate application of valid research methods. All graduate programs are administered and coordinated by the Vice-President and Dean for Graduate Studies and Research who serves as Chairman of the Graduate Council. The Graduate Council is an inter-institutional advisory body composed of representatives from Georgia Southern University, Armstrong State College,

and Savannah State College. The Council provides policy direction to the Vice President on all matters related to graduate programs.

### GRADUATE DEGREE PROGRAMS

Georgia Southern University offers the following graduate degree programs:

Master of Arts  
 Master of Business Administration  
 Master of Education  
 Master of Fine Arts  
 Master of Public Administration  
 Master of Recreation Administration  
 Master of Science  
 Master of Science for Teachers  
 Master of Science in Nursing  
 Master of Technology  
 Education Specialist Degree  
 Doctorate of Education in Educational Administration

Georgia Southern University offers the following graduate degree programs in Savannah in affiliation with either Armstrong State College or Savannah State College (Additional graduate courses are taught in Savannah in support of other programs of study.):

#### Armstrong State College

Master of Arts—History  
 Master of Education  
 Master of Health Science  
 Master of Science—Criminal Justice  
 Master of Science in Nursing

#### Savannah State College

Master of Public Administration  
 Master of Social Work (currently under development)

### PROGRAMS OF STUDY

Adult and Vocational Education  
 Art  
 Biology  
 Business  
 Counselor Education  
 Criminal Justice  
 Early Childhood Education  
 Educational Administration  
 English  
 Exercise Science

### Degree

M.Ed.  
 M.F.A./M.Ed./M.S.T.  
 M.S.  
 M.B.A.  
 M.Ed./M.S.T.  
 M.S.\*  
 M.Ed.\*/Ed.S.  
 Ed.D.  
 M.A./M.Ed.\*/M.S.T./Ed.S.  
 M.S.

French	M.Ed.
German	M.Ed.
Health and Physical Education	M.Ed./M.S.T./Ed.S.
Health Science	M.H.S.
Higher Education/Student Services	M.Ed.
History	M.A.
Public History*	
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 Administration 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 (currently under development)	M.S.W.+
Sociology	M.A.
Spanish	M.Ed.
Special Education for Exceptional Children	M.Ed.*/Ed.S.
Behavior Disorders*	
Intellectual Disabilities	
Interrelated	
Learning Disabilities*	
Speech/Language Pathology*	
Sport Management	M.S.
Technology	M.T.
Technology Education	M.Ed./M.S.T./Ed.S.

\* Indicates programs offered in affiliation with Armstrong State College

+ Indicates programs offered in affiliation with Savannah State College

## GEORGIA SOUTHERN UNIVERSITY GRADUATE CATALOG

Please refer to the Georgia Southern University Graduate Catalog for additional information related to admission procedures and requirements. The Graduate Catalog also contains information on graduate programs, graduate courses, the graduate faculty, financial aid opportunities, and academic standards and regulations.

Copies of the Graduate Catalog and application information are available in the following offices:

The College of Graduate Studies  
Landrum Box 8113  
Georgia Southern University  
Statesboro, Georgia 30460-8113  
(912) 681-5384

Office of the Associate Graduate Dean  
Armstrong State College  
Savannah, Georgia 31419  
(912) 927-5377

Office of the Associate Graduate Dean  
Savannah State College  
Savannah, Georgia 31404  
(912) 351-3801

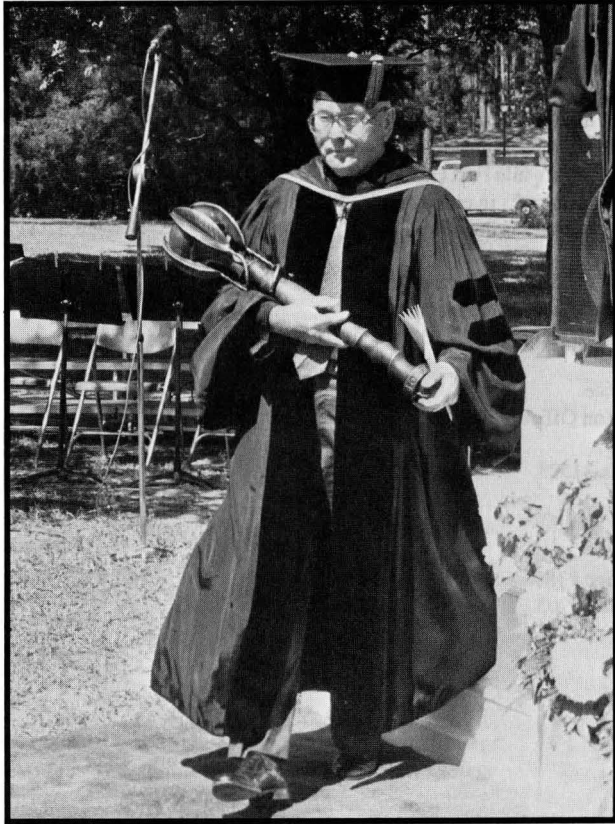
## **OFF-CAMPUS GRADUATE CENTERS**

Resident graduate credit is offered on off-campus centers at Brunswick and Fort Gordon (Augusta). Students in Brunswick may pursue Master of Education (M.Ed.) programs in: Early Childhood Education, School Administration and Supervision, Special Education for Exceptional Children, and Middle Grades Education or Public Administration (M.P.A.), while Fort Gordon Students may pursue programs in either Adult Education (M.Ed.) or Public Administration (M.P.A.).

Off-campus admission and degree requirements are identical to those of the on-campus sites as well as the on-campus sites listed above.

GSU Graduate Office  
Continuing Education Office  
Brunswick College  
Brunswick, Georgia 31523  
(912) 264-7260

Education Division  
GSU Graduate Office #38804  
Ft. Gordon, Georgia 30905  
(404) 790-9338



## ADMINISTRATION AND FACULTY

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**ADMINISTRATION**  
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Services

#### FACULTY 1993-94

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)

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M. Ed., Georgia Southern College, 1988. (1988)

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B.S., Clemson University, 1966; M.Ed., North Carolina State University, 1970; Ed.D., North Carolina State University, 1974. (1990)

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Georgia, 1981; Ed.D., University of Georgia, 1988.  
(1988)

**SALEH A. ALTAYEB**, Assistant Professor of  
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(1992)

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Woman's University, 1987; Ph.D., Ohio University,  
1992. (1992)

\***EARL RAYMOND ANDREWS**, Associate  
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of Minnesota, 1962; Ed.D., University of Missouri,  
1968. (1967)

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Sergeant First Class, U.S. Army. (1993)

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and Associate Professor  
B.A., Emory University, 1967; M.S., Florida  
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College, 1980. (1976)

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B.S., Georgia Southern College, 1944; M.A., University  
of Georgia, 1945; Ph.D., University of North Carolina,  
1957. (1945)

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B.A., Bradley University, 1971; M.A., Bradley  
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University, 1972; Ph.D., Illinois Institute of  
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M.A., University of North Carolina, 1959. (1967)

**JANICE M. BARROW**, Assistant Professor of  
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1990. (1992)

**KIRK A. BARROW**, Temporary Assistant Professor  
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B.Sc., University of the West Indies, 1981; M.B.A.,  
Embry-Riddle Aeronautical University, 1982; J.D.,  
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\***ROBERT M. BARROW**, Associate Professor of  
History  
A.B., University of North Carolina, 1959;  
A.M., College of William and Mary, 1960;  
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Childhood Education and Reading  
B.S., Colorado State University, 1977; M.A., University  
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Oregon, 1991. (1991)

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**\*B. STEPHEN BAYLESS, Professor Emeritus of Art**  
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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)

**\*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)

**THOMAS BELANYI, Associate Professor of Industrial Technology**  
Diploma in Architectural Engineering, Polytechnic University of Budapest, 1951; Certificate of Interior Design, The New York School of Interior Design, 1965; Registered Architect, 1965; National Council of Architectural Registration Boards' Certificate (NCARB), 1979. (1988)

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M.Ed., University of Arkansas, 1962;  
B.F.A., Georgia Southern College, 1987;  
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B.A., Valdosta State College, 1979;  
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\***WILLIAM HAROLD BOLEN**, Business Alumni Professor of Marketing  
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B.A., University of Virginia, 1949;  
M.S., Virginia Polytechnic Institute, 1951;  
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**MARY JANE BOROWSKY**, Assistant Professor Emerita of Modern Languages  
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\***WILLIAM J. BOSTWICK**, Associate Professor of Accounting  
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B.S., Georgia Southern College, 1980;  
M.S., Arkansas State University, 1981. (1986)

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Ph.D., Rutgers University, 1961. (1964)

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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;  
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**PATRICIA A. BRANDT**, Assistant Dean of Graduate Studies and Assistant Professor of Educational Leadership  
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**LORRAINE M. BRASELTON**, Instructor of Mathematics  
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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;  
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**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)

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B.S., Southeastern Louisiana University, 1965;  
M.Ed., Southeastern Louisiana University, 1978;  
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B.S.M., Baldwin-Wallace College, 1939;  
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**EDNA EARLE BROWN, Associate Director**

**Emerita of Libraries and Professor Emerita**  
A.B., Peabody College, 1945;  
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**ELFRIEDA FUQUA BROWN, (CRD), Assistant Professor of Family and Consumer Sciences (Food, Nutrition, and Dietetics)**

B.S., University of Tennessee, 1970;  
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## GLOSSARY

**ACCREDITATION.** Recognition granted schools and colleges upon examination by groups of visiting professionals based upon objective standards developed by interested professional agencies. An accredited school or college has measured up to the standards of quality imposed by professional groups and accrediting agencies.

**ADJUSTED GRADE POINT AVERAGE.** When courses are repeated, the last earned grade is the official grade and is the grade that is calculated to determine the *adjusted grade point average*. The adjusted GPA is used to determine academic standing.

**APPROVED ELECTIVE.** A course chosen by the student with the approval of the advisor. An approved elective usually relates to the student's major or minor field.

**AUDITING STUDENT.** A student who enrolls in but earns no university credit for that course.

**CORE CURRICULUM.** Those courses required of all students in any given area of study. The core curriculum usually is completed in the freshman and sophomore years and gives the student a basis for advanced study in the junior and senior years.

**CUMULATIVE GRADE POINT AVERAGE.** The cumulative grade point average is the grade average on all work which the student has attempted. It is obtainable by dividing the total number of grade points earned by the total number of quarter hours attempted.

**CURRICULUM.** The body of courses taught in a college or division, e.g., "the curriculum of the College of Arts and Sciences."

**DEFICIENCY, SCHOLASTIC.** Incurred when the ratio of grade points to hours falls below the standard required for graduation, or some other specified standard, e.g., continuation of academic standing.

**EXCLUSION, ACADEMIC.** The second involuntary separation of a student from the University because of failure to meet academic standards. The only way a student may return after exclusion is through a successful appeal to the Admissions Committee after one full year.

**GRADE POINT AVERAGE (GPA).** The average attained by dividing the number of quality points earned by the hours attempted.

**GRADUATING AVERAGE.** A grade-point average of at least 2.0 is required of each candidate for a degree in approved courses totaling at least the number of quarter hours required by the school in which the student is registered.

**MATRICULATION.** Enrollment in the University.

**ORIENTATION.** Designed to help the new student become acquainted with the University, its campus, its ideals and traditions. It is also a period for tests and examinations that provide the faculty with a basis for advising and assisting students in planning their program.

**PREREQUISITE.** A requirement beforehand. Usually a course, examination, or some other condition which must be met successfully before another course may be taken.

**PROBATION, ACADEMIC.** A result of unsatisfactory scholarship. Probation is not a penalty, but a warning and an opportunity to improve.

**PROBATION, DISCIPLINARY.** The middle status between good standing and suspension or dismissal. The student remains enrolled but under stated conditions according to University policies.

**PROGRAMS OF STUDY.** Groups of courses designed to qualify a student to receive a specific degree or reach a designated academic goal.

**QUALITY POINT.** A numerical value assigned to the grade a student receives in a course in order to provide a quantitative determination of the student's scholarship. Used in computing grade-point average.

**QUARTER SYSTEM.** The scheduling of four periods of academic study within a calendar year. Each quarter provides for a minimum and maximum amount of scholastic work. Each quarter begins with registration and concludes with examinations over that period's work. Three quarters constitute an academic year.

**SUSPENSION, ACADEMIC.** The first involuntary separation of a student from the university because he has

not met the academic requirement. The penalty is one quarter out of school.

**TRANSCRIPT.** A certified copy of credits which a student has earned.

**TRANSIENT STUDENT.** A student who has taken work at another college or university may apply for the privilege of temporary registration. Work earned at Georgia Southern will be transferred to the institution where previously enrolled.



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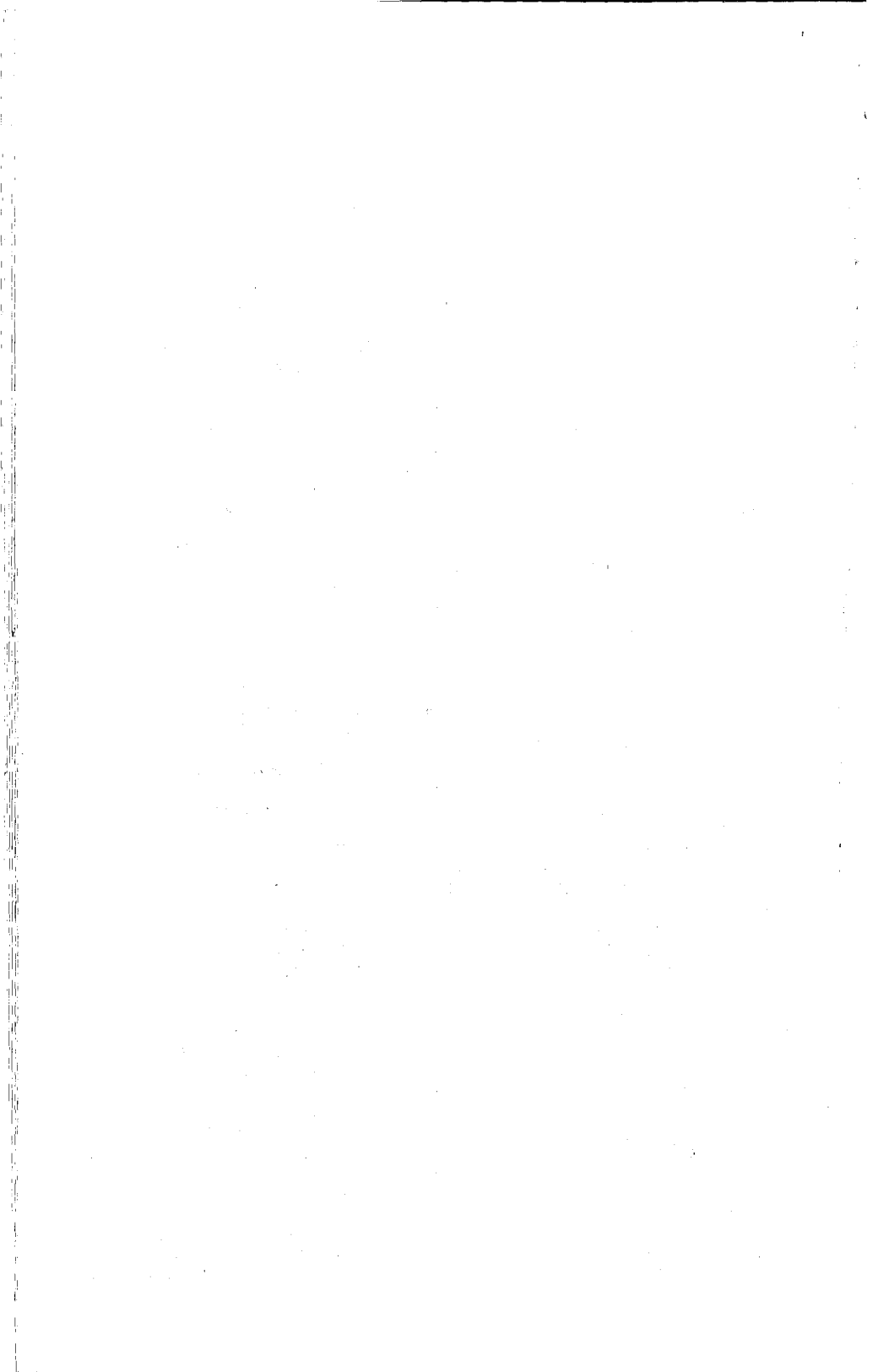
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PREFIX	DEPARTMENT	PREFIX	DEPARTMENT
ACC	ACCOUNTING	HIS	HISTORY
AD	APPAREL DESIGN	HON	HONORS
AED	ADULT EDUCATION	HTH	HEALTH
ANT	ANTHROPOLOGY	IAE	INDUSTRIAL ARTS EDUCATION
ARA	ARABIC	IDH	INTERIOR DESIGN & HOUSING
ART	ART	JS	JUSTICE STUDIES
AS	AMERICAN STUDIES	IET	INDUSTRIAL ENGINEERING TECHNOLOGY
BA	BUSINESS ADMINISTRATION	IM	INDUSTRIAL MANAGEMENT
BCC	BUILDING CONSTRUCTION & CONTRACTING	IS	INTERNATIONAL STUDIES
BIO	BIOLOGY	ISP	INTERNATIONAL INTERCULTURAL STUDIES ABROAD
CA	COMMUNICATION ARTS	JPN	JAPANESE
CAB	COMMUNICATION ARTS IN BROADCASTING	KOR	KOREAN
CAF	COMMUNICATION ARTS IN FILM	LAS	LATIN AMERICAN STUDIES
CAJ	COMMUNICATION ARTS IN JOURNALISM	LAT	LATIN
CAP	COMMUNICATION ARTS IN PUBLIC RELATIONS	LIT	LOGISTICS & INTERMODAL TRANSPORTATION
CAS	SPEECH COMMUNICATION	LST	LEGAL STUDIES (Law)
CAT	COMMUNICATION ARTS IN THEATRE	MAT	MATHEMATICS
CED	COUNSELOR EDUCATION	MED	METHODS OF EDUCATION
CET	CIVIL ENGINEERING TECHNOLOGY	MET	MECHANICAL ENGINEERING TECHNOLOGY
CHE	CHEMISTRY	MFG	MANUFACTURING
CIS	COMPUTER INFORMATION SYSTEMS	MG	MIDDLE GRADES
CSC	COMPUTER SCIENCE	MGT	MANAGEMENT
CUR	CURRICULUM	MKT	MARKETING
EC	EARLY CHILDHOOD EDUCATION	MS	MILITARY SCIENCE
ECO	ECONOMICS	MUA	APPLIED MUSIC
EDL	EDUCATIONAL LAB EXPERIENCES (Student teaching/internships)	MUE	MUSIC ENSEMBLES
EDP	EDUCATIONAL PSYCHOLOGY	MUS	MUSIC
EDT	EDUCATIONAL TECHNOLOGY	NFS	NUTRITION AND FOOD SERVICES
EET	ELECTRONIC ENGINEERING TECHNOLOGY	NUR	NURSING
EGR	ENGINEERING STUDIES	PA	PUBLIC ADMINISTRATION
EMS	ELEMENTARY, MIDDLE GRADES & SECONDARY EDUCATION	PE	PHYSICAL EDUCATION
ENG	ENGLISH	PEA	PHYSICAL EDUCATION ACTIVITY
EP	ENRICHMENT PROGRAM	PHI	PHILOSOPHY
ES	ENGINEERING SCIENCE	PHS	PHYSICAL SCIENCE
ESL	ENGLISH AS A SECOND LANGUAGE	PHY	PHYSICS
EXC	EXCEPTIONAL CHILDREN	PM	PRINTING MANAGEMENT
FCS	FAMILY AND CHILD STUDIES	PSC	POLITICAL SCIENCE
FED	FOUNDATIONS OF EDUCATION	PSY	PSYCHOLOGY
FIN	FINANCE	RDG	READING
FL	FOREIGN LANGUAGES	REC	RECREATION
FM	FASHION MERCHANDISING	RHI	RESTAURANT, HOTEL & INSTITUTIONAL ADMINISTRATION
FRE	FRENCH	RS	RELIGIOUS STUDIES
FUL	FULANI	RUS	RUSSIAN
GAT	GRAPHIC ARTS TECHNOLOGY	SED	SECONDARY EDUCATION
GER	GERMAN	SM	SPORT MANAGEMENT
GGY	GEOGRAPHY	SOC	SOCIOLOGY
GLY	GEOLOGY	SPA	SPANISH
GSU	GEORGIA SOUTHERN UNIVERSITY	STA	STATISTICS
GT	GENERAL TECHNOLOGY	TD	TECHNICAL DRAFTING & DESIGN
HEC	HOME ECONOMICS	TIE	TRADE & INDUSTRIAL EDUCATION
		VED	VOCATIONAL EDUCATION
		WGS	WOMENS' AND GENDER STUDIES









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