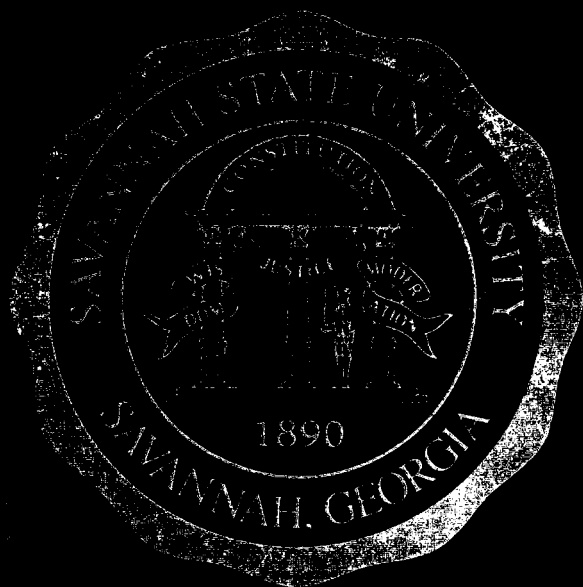


SAVANNAH STATE UNIVERSITY

A Senior Unit of The University System of Georgia



2002-2005

SPECIAL NOTICE

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

While the provisions of this catalog will generally be applied as stated, Savannah State University reserves the right to change any provision listed in this Catalog, including but not limited to academic requirements for graduation, without actual notice to individual students. Every effort will be made to keep students advised of any such changes. Information on changes will be available in the Offices of the Registrar, the Vice President for Academic Affairs, the Vice President of Student Affairs, and the offices of the academic deans. It is especially important that students note that it is their responsibility to remain apprised of current graduation requirements for their particular degree programs.

Savannah State University, an affirmative action/equal opportunity education institution, does not discriminate on the basis of sex, race, age, religion, handicap, or national origin in employment, admissions, or activities.

**SAVANNAH
STATE UNIVERSITY**

**A SENIOR, RESIDENTIAL UNIT OF
THE UNIVERSITY SYSTEM OF
GEORGIA**

GENERAL CATALOG 2002-2005

Savannah, Georgia 31404

Civil Rights Compliance

ACCREDITATION

Savannah State University is accredited by the Commission on Colleges of the Southern Association of Colleges and Schools (1866 Southern Lane, Decatur, Georgia 30033-4097; Telephone number 404-679-4501) to award the associate and baccalaureate, and master's degree.

Savannah State University has also earned the following specialized accreditations:

Civil Engineering Technology – by the Technology Accreditation Commission of the Accreditation Board for Engineering and Technology

Electronics Engineering Technology – by the Technology Accreditation Commission of the Accreditation Board for Engineering and Technology and by the National Association of Radio and Telecommunications Engineers, Inc. (NARTE)

Mechanical Engineering Technology – by the Technology Accreditation Commission of the Accreditation Board for Engineering and Technology

BSW and MSW Social Work – by the Council on Social Work Education

MPA National Association of Schools and Public Affairs and Administration

SAVANNAH STATE UNIVERSITY ACADEMIC CALENDAR

SPRING SEMESTER 2003 (15-Week Term)

January

3	Friday	Writing Assessment & Placement Tests for Spring 2003 Admits Only
6-7	Mon-Tue	Advisement and registration – 8:30 a.m. – 7:00 p.m. Graduate registration – 8:30 a.m. – 7:00 p.m.
8	Wednesday	First day of classes
8-9	Wed-Thur	Late registration (Late Fee Charged) Drop/Add
11	Saturday	PRAXIS exam
15	Wednesday	CLEP exam – 9:00 a.m.
16	Thursday	Martin Luther King, Jr. Observance Program
20	Monday	Martin Luther King, Jr. Holiday Observance
22	Wednesday	DANTES exam 9:00 a.m.
25	Saturday	SAT I/II

February

8	Saturday	LSAT ACT
14	Friday	Writing Assessment & Placement Tests for Summer-Fall 2003 Admits
19	Wednesday	CLEP exam – 9:00 a.m.
26	Wednesday	DANTES exam – 9:00 a.m.
27	Thursday	Tiger Anniversary
28	Friday	Mid-Term Last day to drop a course without academic penalty (unless previously assigned an “F” by professor for absences)

March

8	Saturday	PRAXIS
10-14		Recess Dates (Spring Break)
17-21	Mon-Fri	Early Registration
19	Wednesday	CLEP exam – 9:00 a.m.
21	Friday	Writing Assessment & Placement Tests for Summer-Fall 2003 Admits
26	Wednesday	DANTES exam – 9:00 a.m.
26-28	Wed-Fri	REGENTS' TEST

April

5	Saturday	SAT I/II
7	Monday	Awards Ceremony
10	Thursday	Honors Convocation
11	Friday	Writing Assessment & Placement Tests for Summer-Fall 2003 Admits
12	Saturday	ACT
16	Wednesday	CLEP exam – 9:00 a.m.
18	Friday	Recess Date (Good Friday)
23	Thursday	DANTES exam – 9:00 a.m.
25	Friday	Writing Assessment & Placement Tests for Summer-Fall
26	Saturday	MCAT PRAXIS

May

1	Thursday	Classes End
2-8	Fri-Thur	Final Exams
3	Saturday	Hill Hall Gala
10	Saturday	COMMENCEMENT
15-16	Thur-Fri	Writing Assessment & Placement Test for Summer-Fall 2003 Admits
21	Wednesday	CLEP exam – 9:00 a.m.
28	Wednesday	DANTES exam – 9:00 a.m.

SUMMER SEMESTER 2003
(8-Week Term)
Session I

May

19	Monday	Advisement & Registration 8:30 a.m. – 7:00 p.m.
20	Tuesday	First day of classes
21	Wednesday	Late registration Drop/Add
26	Monday	HOLIDAY – Memorial Day

June

7	Saturday	SAT I/II exams
13	Friday	Writing Assessment & Placement Tests
14	Saturday	ACT exam
17	Tuesday	Mid-Term Last day to withdraw/drop a course without academic penalty
18	Wednesday	CLEP exam 9:00 a.m.
19-20	Thur-Fri	“A Little Touch of the University by the Sea” Orientation
24	Tuesday	Regent’s exam
25	Wednesday	DANTES
27	Friday	Writing Assessment & Placement Tests
28	Saturday	PRAXIS

July

4	Friday	HOLIDAY – Independence Day
10-11	Thur-Fri	“A Little Touch of the University by the Sea” Orientation
14-15	Mon-Tue	COMPASS Exit Exams
15	Tuesday	Last day of classes
15-16	Tues-Wed	Final Exams
18	Friday	Final grades due in Registrar’s Office – 9:00 a.m.
25	Friday	Writing Assessment & Placement Tests for Fall 2003 Admits

SUMMER SEMESTER 2003
(5-Week Term)
Session II

May

15-16	Thur-Fri	Writing Assessment & Placement Tests
19	Monday	Advisement and registration – 8:30 a.m. – 7:00 p.m.
20	Tuesday	First day of classes/registration
21	Wednesday	Late registration Drop/Add
26	Monday	HOLIDAY – Memorial Day

June

6	Friday	Mid-Term Last day to withdraw/drop a course without academic penalty
7	Saturday	SAT I/II exams
13	Friday	Writing Assessment & Placement Tests
14	Saturday	ACT exam
24	Tuesday	Regent's exam
25-26	Wed-Thur	Final exams
27	Friday	Writing Assessment & Placement Tests

SUMMER SEMESTER 2003
(5-Week Term)
Session III

May

19		Advisement and registration
26	Monday	HOLIDAY – Memorial Day

June

26-27	Thur-Fri	Registration 8:30 a.m. – 5:00 p.m.
30	Monday	Classes begin

July

4	Friday	HOLIDAY – Independence Day
10-11	Thur-Fri	“A Little Touch of the University by the Sea” Orientation
17	Thursday	Mid-Term Last day to withdraw/drop a course without academic penalty

August

5-6	Tues-Wed	Final Exams
6	Wednesday	Last day of classes
8	Friday	Final grades due in Registrar’s Office – 9:00 a.m.

FALL SEMESTER 2003
(15-Week Term)

August

7-8	Wed-Thur	Fall Faculty Institute
10-13	Sun-Wed	Fall Orientation
11	Monday	Last Day to Pay for Early Registration
14-15	Thur-Fri	Advisement and registration 8:30 a.m. – 7:00 p.m.
18	Monday	First day of classes
18-19	Mon-Tues	Late registration Drop/Add
20	Wednesday	CLEP
27	Wednesday	DANTES

September

1	Monday	HOLIDAY – Labor Day
17	Wednesday	CLEP
24	Wednesday	DANTES

October

13	Monday	Mid-Term Last day to withdraw/drop a course without academic penalty
15	Wednesday	CLEP
22	Wednesday	DANTES
20-24	Mon-Fri	Early Registration for Spring 2004

November

8	Saturday	Homecoming
19	Wednesday	CLEP
26	Wednesday	Thanksgiving Holiday (students only)
27-28	Thur-Fri	Thanksgiving Holiday (students, faculty and staff)

December

5	Friday	Last day of classes
8-12	Mon-Tues	Final Exams
13	Saturday	COMMENCEMENT
15	Monday	Final grades due in Registrar's Office – 9:00 a.m.

SPRING SEMESTER 2004
(15-Week Term)

January

5-6	Thur-Fri	Advisement and registration 8:30 a.m. – 7:00 p.m.
7	Wednesday	First day of classes
7-8	Wed-Thu	Late registration (Late Fee Charged) Drop/Add
19	Monday	HOLIDAY – Martin Luther King, Jr. Observance Day
21	Wednesday	CLEP
28	Wednesday	DANTES

February

18	Wednesday	CLEP
25	Wednesday	DANTES

March

1	Monday	Mid-Term Last day to withdraw/drop a course without academic penalty
8-12	Mon-Fri	SPRING BREAK
17	Wednesday	CLEP
22-26	Mon-Fri	Early Registration for summer & fall 2004
24	Wednesday	DANTES

April

9	Friday	HOLIDAY – Good Friday
21	Wednesday	CLEP
24	Saturday	PRAXIS
28	Wednesday	DANTES
29	Thursday	Last day of classes
30	Friday	Final Exams

May

1-6	Sat-Thur	Final Exams
8	Saturday	COMMENCEMENT
19	Wednesday	CLEP
26	Wednesday	DANTES
31	Monday	HOLIDAY – Memorial Day

**SUMMER SEMESTER 2004
(8-Week Term)
Session I**

May

17	Monday	Advisement and registration 8:30 a.m. – 7:00 p.m.
18	Tuesday	First day of classes/registration
19	Wednesday	Late registration (Late Fee Charged) Drop/Add
19	Wednesday	CLEP
26	Wednesday	DANTES
31	Monday	HOLIDAY – Memorial Day

June

16	Wednesday	Mid-Term Last day to withdraw/drop a course without academic penalty
16	Wednesday	CLEP
23	Wednesday	DANTES
26	Saturday	PRAXIS

July

5	Monday	HOLIDAY – Independence Day
14	Wednesday	Last day of classes
14-15	Wed-Thur	Final Exams
19	Monday	Final grades due in the Registrar's Office – 9:00 a.m.

**SUMMER SEMESTER 2004
(5-Week Term)
Session II**

May

17	Monday	Advisement and registration 8:30 a.m. – 7:00 p.m.
18	Tuesday	First day of classes/registration
19	Wednesday	Late registration (Late Fee Charged) Drop/Add
19	Wednesday	CLEP
26	Wednesday	DANTES
31	Monday	HOLIDAY – Memorial Day

June

7	Monday	Mid-Term Last day to withdraw/drop a course without academic penalty
24-25	Thur-Fri	Final Exams
28	Monday	Final grades due in the Registrar's Office – 9:00 a.m.

SUMMER SEMESTER 2004
(5-Week Term)
Session III

June

28	Monday	Advisement and registration 8:30 a.m. – 7:00 p.m.
29	Tuesday	First day of classes
30	Wednesday	Late registration Drop/Add

July

5	Monday	HOLIDAY – Independence Day
15-16	Thur-Fri	“A Little Touch of the University by the Sea”
16	Friday	Mid-Term Last day to withdraw/drop a course without academic penalty

August

4	Wednesday	Last day of classes
4-5	Wed-Thur	Final Exams
6	Friday	Final grades due in the Registrar’s Office – 9:00 a.m.

**FALL SEMESTER 2004
(15-Week Term)**

August

5-6	Thur-Fri	Fall Faculty Institute
9-11	Mon-Wed	Fall Orientation
12-13	Thur-Fri	Advisement and registration 8:30 a.m. – 7:00 p.m.
16	Monday	First day of classes
17	Tuesday	Late registration Drop/Add

September

6	Monday	HOLIDAY – Labor Day
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October

7	Thursday	Mid-Term Last day to withdraw/drop a course without academic penalty
25-29	Mon-Fri	Early Registration for Spring 2005

November

6	Saturday	Homecoming
24	Wednesday	Thanksgiving Holiday (students only)
25-26	Thur-Fri	Thanksgiving Holiday (students, faculty and staff)

December

2	Thursday	Last day of classes
3-9	Fri-Thur	Final Exams
11	Saturday	COMMENCEMENT
13	Monday	Final grades due in Registrar's Office – 9:00 a.m.

SPRING SEMESTER 2005
(15-Week Term)

January

4-5	Tues-Wed	Advisement and registration 8:30 a.m. – 7:00 p.m.
6	Thursday	First day of classes
6-7	Thur-Fri	Late registration (Late Fee Charged) Drop/Add
17	Monday	HOLIDAY – Martin Luther King, Jr. Observance Day

February

N/A

March

2	Wednesday	Mid-Term Last day to withdraw/drop a course without academic penalty
14-19	Mon-Sat	SPRING BREAK
25	Friday	Good Friday
28-31	Mon-Thur	Early Registration for summer & fall 2005

April

1	Friday	Early Registration for summer & fall 2005
9	Friday	HOLIDAY – Good Friday

May

2	Thursday	Last Day of class
3-6	Tues-Fri	Final Exams
7	Saturday	COMMENCEMENT
30	Monday	HOLIDAY – Memorial Day

SUMMER SEMESTER 2005
(8-Week Term)
Session I

May

16	Monday	Advisement and registration 8:30 a.m. – 7:00 p.m.
17	Tuesday	First day of classes/registration
18	Wednesday	Late registration (Late Fee Charged) Drop/Add
30	Monday	HOLIDAY – Memorial Day

June

16	Thursday	Mid-Term Last day to withdraw/drop a course without academic penalty
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July

4	Monday	HOLIDAY – Independence Day
13	Tuesday	Last day of classes
13-14	Tues-Wed	Final Exams
15	Monday	Final grades due in the Registrar's Office – 9:00 a.m.

SUMMER SEMESTER 2005
(5-Week Term)
Session II

May

16	Monday	Advisement and registration 8:30 a.m. – 7:00 p.m.
17	Tuesday	First day of classes/registration
18	Wednesday	Late registration (Late Fee Charged) Drop/Add
30	Monday	HOLIDAY – Memorial Day

June

6	Monday	Mid-Term Last day to withdraw/drop a course without academic penalty
23-24	Thur-Fri	Final Exams
27	Monday	Final grades due in the Registrar's Office – 9:00 a.m.

SUMMER SEMESTER 2005
(5-Week Term)
Session III

June

27	Monday	Advisement and registration 8:30 a.m. – 7:00 p.m.
28	Tuesday	First day of classes
29	Wednesday	Late registration Drop/Add

July

4	Monday	HOLIDAY – Independence Day
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August

2	Tuesday	Last day of classes
2-3	Tues-Wed	Final Exams
5	Friday	Final grades due in the Registrar's Office – 9:00 a.m.

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INTRODUCTION

PRESIDENT'S MESSAGE
PURPOSE AND GOALS OF THE UNIVERSITY
AN OVERVIEW OF SAVANNAH STATE UNIVERSITY
LOCATION



PRESIDENT'S MESSAGE



President Carlton E. Brown
The Eleventh President of
Savannah State University

Savannah State University has proudly served the educational, cultural, and community development needs of Southeastern Georgia for 112 years. For much of this historical period it served as the only institution of higher education in the region. In its second century, Savannah State University enters the dawn of the twenty-first century with strength, vision, and focus.

As clearly delineated in these pages, the "University by the Sea" seeks to prepare strong, dedicated students in exceptional and select academic programs designed to provide quality learning, economic viability, and scientific advancement for a new century. As a small comprehensive institution, Savannah State University provides a dedicated faculty and staff working in close support of its students to enable their achievement of excellence in academics, professionalism, and character.

The University works continuously to strengthen a rich and diverse environment through constant progress in technological applications, enhancement of the physical environment, and a responsive cultural environment. Its community and service structures are designed to address the needs of traditional and nontraditional students both inside and outside classroom.

Finally, Savannah State University seeks to play an increasingly meaningful role in the economic and social development of Southeastern Georgia. All persons interested in furthering their education are invited to become part of one of the most spirited, historically rich, and progressive institutions in America!

PURPOSE AND GOALS OF THE UNIVERSITY

MISSION STATEMENT:

Chartered by the State of Georgia in 1890, as a department of the State University for the education and training of Negro students, Savannah State University now serves a diverse student population as a senior university of the University System of Georgia. The University serves a primarily African-American student population, enriched by a diversity of traditional and nontraditional students from other countries, cultures, and races.

The University's mission is to graduate students prepared to perform at higher levels of economic productivity, social responsibility, and excellence in their chosen fields of endeavor in a changing global community. The educational goal is realized through program offerings in the College of Business Administration, the College of Liberal Arts and Social Sciences, and the College of Sciences and Technology, which lead to baccalaureate, and master's degrees.

Savannah State University, located in a coastal, urban, port city setting, serves residential and commuter students from diverse educational, geographical, and racial backgrounds. In a beautiful and unique setting of a live oak forest next to a salt marsh estuary, the University is well situated for the study of commercial, technological, environmental and urban issues. The University's mission is consistent with the core missions of the University System of Georgia and the senior universities in the System.

Savannah State University shares with the University System of Georgia the following characteristics:

- a supportive campus climate, necessary services, and leadership development opportunities, all to educate the whole person and meet the needs of students, faculty, and staff; cultural, ethnic, racial, and gender diversity in faculty, staff, and student body, supported by practices and programs that embody the ideals of an open, democratic, and global society;
- technology to advance educational purposes, including instructional technology, student support services, and distance education; collaborative relationships with other System institutions, state agencies, local schools and technical institutes, and businesses and industries, sharing physical, human, information and other resources to expand and enhance programs and services available to the citizens of Georgia.

Savannah State University shares with senior universities in the University System of Georgia these characteristics:

- a commitment to excellence and responsiveness within the scope of influence defined by the needs of an area of the state, and by particularly outstanding programs or distinctive characteristics that have a magnet effect throughout the region or state;
- a commitment to the teaching/learning environment, both inside and outside the classroom, that sustains instructional excellence, serves a diverse and college prepared student body, promotes high levels of student achievement, offers academic assistance, and provides Student Academic Support programs for a limited student cohort;

- a commitment to a high quality general education program supporting a variety of disciplinary, interdisciplinary, and professional programming at the baccalaureate level, with selected master's, and selected associate degree programs based on area need and/or inter-institutional collaborations;
- a commitment to public service, continuing education, technical assistance, and economic development activities that address the needs, improve the quality of life, and raise the educational level within the University's scope of influence; and
- a commitment to scholarly and creative work to enhance instructional effectiveness and to encourage faculty scholarly pursuits; and a commitment to applied research in selected areas of institutional strength and area need.

The continuing commitment of Savannah State University to academic excellence is expressed through the following characteristics:

- tradition of serving the educational needs of African-American students as well as those of all other students, regardless of race, ethnicity, or culture; the historical tradition as an African-American institution which defines the University as a unique cultural and educational resource for the interpretation and transmission of the African-American legacy; the guiding principle of the faculty and staff which is service to students expressed by quality, student-centered instruction, scholarship, research and effective support services that nurture the intellect and value honesty and human sensitivity; a high quality general education offered through the core curriculum in humanities, mathematics, natural sciences, and social and behavioral sciences;
- baccalaureate degree offerings with a dynamic mix of liberal arts programs that address the study of the humanities, social sciences and the sciences; professional programs that address the study of commerce, entrepreneurship, communications, social services, technology and environmental sustainability; master's degree offerings that address the study of the social and behavioral sciences, and natural sciences; and initiatives to provide new programs and levels of service to meet the ever changing needs of a coastal urban area;
- a commitment to excellence in the area of engineering technology;
- Student Academic Support services that provide educational access and opportunity for students, and service programs, offered singly and collaboratively, to enhance student satisfaction and academic success; and
- an active community service function that is carried out through collaborative partnerships with business, private and governmental agencies, public schools, and other institutions in the University System.

Savannah State University intends to increase the scope and quality of service to diverse populations by focusing and developing an array of excellent programs, supported and delivered through instructional technology and distance education to all who seek its programs and services.

AN OVERVIEW OF SAVANNAH STATE UNIVERSITY

Savannah State University was founded when enabling legislation was passed by the Georgia General Assembly on November 26, 1890, creating a normal school for the training of Black citizens. The fledgling institution, known as the Georgia State Industrial College (GSIC) for Colored Youths, began its first session in June 1891, in the Baxter Street School Building in Athens, Georgia, with Richard R. Wright, Sr., as principal, and was considered a part of the University of Georgia. Religious and educational leaders such as Professor John McIntosh, Reverend E. K. Love, James Simms, Alexander Harris, and others met in March 1891, in the basement of the First African Baptist Church and developed a proposal that convinced Judge Peter W. Meldrim, chair, and the other white members of the Georgia State Industrial College Board of Commissioners to locate the new Black institution in Savannah.

The College was established as a result of the Second Morrill Land Grant Act of August 30, 1890, which had specific wording mandating the development of Black land grant colleges in the southern and border states. The early educational paradigm of the College was based on the Talented Tenth philosophy of W. E. B. DuBois, the vocationalism of Booker T. Washington, and the model of the New England College espoused by Richard R. Wright, Sr., as a result of his education under the American Missionary Association at Atlanta University. The early curriculum had normal, agricultural, and college programs. The College opened in Savannah on October 7, 1891, with Richard R. Wright, Sr., as principal, five students from Ware High School in Augusta, and a foreman for the farm. Richard R. Wright, Jr., received the first baccalaureate degree from the College in June 1898. During Wright's presidency, Presidents William McKinley (December 1898) and William Howard Taft (May 1, 1912) visited the campus. During Cyrus G. Wiley's (GSIC Class of 1899) tenure (1921-26), women were admitted as boarders, and the College was established as a federal agricultural extension center.

Under President Benjamin F. Hubert (1926-1947), the entire academic program was reorganized. The high school and normal departments were discontinued and the school became a four-year college. In 1931, when the University System was placed under a Board of Regents, the College began to offer additional bachelor's degree programs with majors in English, the natural sciences, social sciences, and business administration, as well as in agriculture and home economics.

President James A. Colston (1947-49) modernized the campus of Georgia State College. He built the first student center, established the first office of public relations, initiated the Campus Chest Program, and installed a campus-wide telephone system. In 1949, the College's land-grant status was transferred to Fort Valley State College. It was during Colston's administration that Savannah State became accredited by the Southern Association of Colleges and Schools (SACS). After President Colston resigned in 1949, William Kenneth Payne, who was serving as dean of the College, became acting president. By 1950, Payne was named president. In September 1950, the Institution's name was changed to Savannah State College. The first major building program of the modern era began during President Payne's tenure when Richard R. Wright Hall, Colston Hall, Wiley Gymnasium, and B. F. Hubert Technical Sciences Center were constructed. Payne died during his term of office in August 1963, and was succeeded by Dr. Howard Jordan, Jr., in September 1963.

President Jordan spearheaded a major building program at the College, which resulted in the construction of a modern student union, new football stadium, fine arts building, Payne Hall, and new dormitories for men and women. White students were admitted to the College after the Civil Rights Act of 1964 was passed, and the first white faculty was hired during this time. In 1968, Savannah State College founded Savannah's first graduate program in education. The program soon received NCATE accreditation. Dr. Jordan resigned from the College in 1971 to become the first Black vice chancellor for the central office of the Board of Regents of the University System of Georgia.

In 1971, Dr. Prince A. Jackson, Jr., became the second Savannah State College graduate to become president of the Institution. His administration was responsible for the development of the Naval Reserve Officers Training Program, the establishment of WHCJ-FM Radio Station, and the institutionalization of the Title III program, SACS accreditation, and construction of new buildings. Dr. Jackson was succeeded by Dr. Clyde W. Hall (1978-80), a Savannah State graduate and professor of technical sciences. As acting president, Dr. Hall developed plans for a new administration building and health center, and initiated improvements to the infrastructure of the College.

Dr. Wendell G. Rayburn (1980-1988), eighth president of Savannah State College, led the institution through its first major building program since the 1970s. His administration worked through the Desegregation Plan of the Board of Regents and completed the building of the marine biology facilities, Jordan College of Business Administration, the president's house (later named William E. Gardner Hall), and Harris-McDew Health Services Center. In 1988, Dr. Rayburn resigned to become president of Lincoln University in Jefferson City, Missouri. He was succeeded by Dr. Wiley S. Bolden who served as acting president from 1988-1989. Dr. Bolden was instrumental in leading the College to continue its existence as a historically Black institution.

Dr. William E. Gardner, Jr. (1989-1991) was selected as the ninth president of the College in September 1989, and presided over a period of unprecedented enrollment growth for the Institution. He successfully led the College to SACS accreditation for a ten-year period (1990-2000). Dr. Gardner was responsible for the replica of the Navy jet flown by Commander Donnie L. Cochran, U.S. Navy "Blue Angels" demonstration flying team, being placed in front of the McGlockton NROTC Building. He also spearheaded the Centennial Celebration of Savannah State and the restoration of Adams Hall as the College's archives building and established the Advanced Water Technology Center. Dr. Gardner died suddenly in office in 1991, and was succeeded by Dr. Annette K. Brock, a Savannah State College graduate, and professor and chair, Department of Social and Behavioral Sciences. Dr. Brock served as acting president from 1991 until 1993. As the College's first woman president, she continued the successful work of the previous administration and was instrumental in locating the Olympic track at Theodore Wright Stadium and institutionalizing the College's archives with the support of Title III funding.

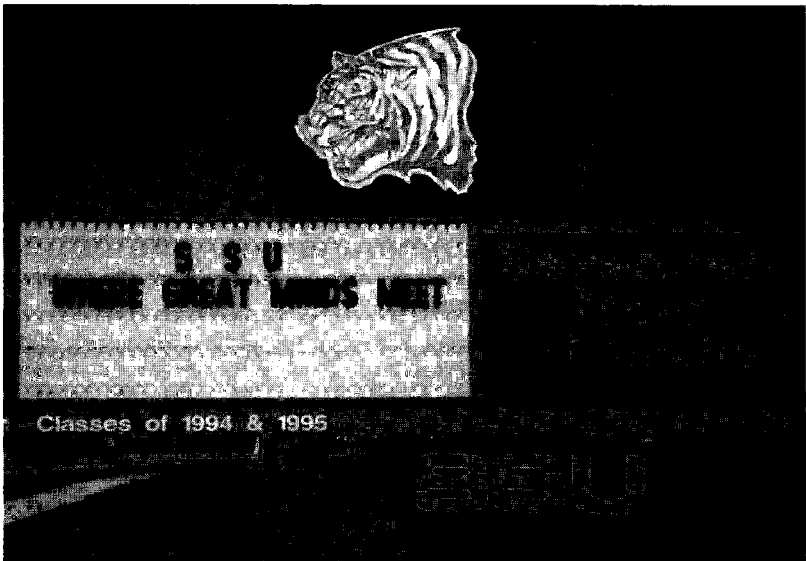
Dr. John T. Wolfe (1993-1997) became the tenth president of Savannah State College. During his tenure, graduate programs in Public Administration and Social Work were returned to the institution. During his administration, the Board of Regents of the University System of Georgia elevated Savannah State College, along with twelve other regional state colleges, to the status of state universities (1996). Dr. Carlton E. Brown was appointed to replace John T. Wolfe and became SSU's eleventh president on July 1, 1997. Dr. Brown has embarked on a mission to foster academic and organizational excellence for this historic institution.

LOCATION

Savannah State University is located approximately five miles east southeast from the center of beautiful, historic Savannah, the original European settlement in Southeast Georgia, founded by James Oglethorpe in 1733. Savannah today is an extraordinarily attractive and busy port city with nearly 200,000 inhabitants. Close by are the historic and contemporary sea resort islands of St. Simons, Jekyll, and Hilton Head, South Carolina. Daufuskie, home of the famed Gullah culture, a blend of early African and American ways of life, language, and music, is nearby. Tybee Island lies to the east and is noted for its easy-going life style and sport fishing. The general environment is replete with abundant historic and contemporary tourist and outdoor attractions, including wildlife refuges, museums, heritage preserves, and numerous other attractions. Historically, the region was noted for its rich rice and cotton production as well as its lively pirate trade. Many believe Savannah, with its exemplary urban renewal and historic preservation record, is the ultimate Southern hostess city.

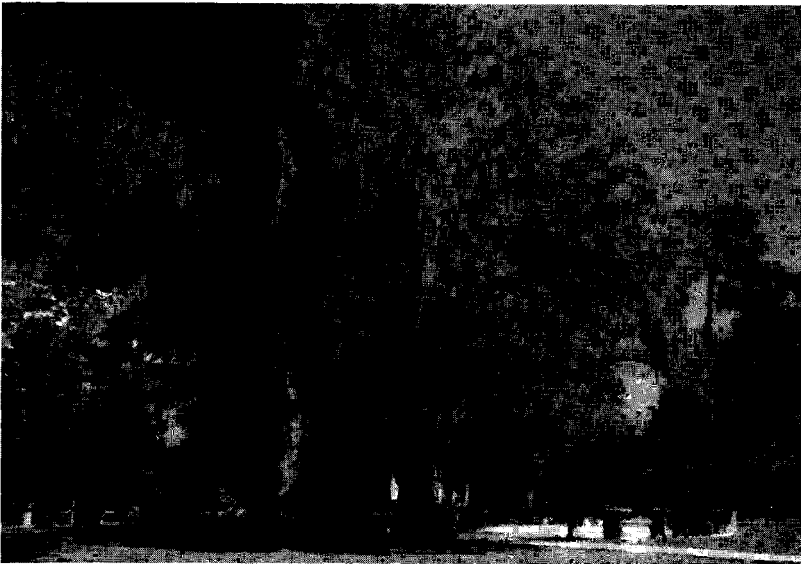
The campus itself lies on a stunning site adjacent to the inland waterway near the estuary of the Savannah River and proximate to the Atlantic coast. Several of the University's major buildings overlook the open marsh and peaceful tidewater flood plain while others center on the two beautifully landscaped quads of native foliage. A temperate climate encourages year-round outdoor activities with mean high temperatures ranging from the low 50s for December/January to the 80s for July/August.

Savannah State University is accessed from north/south Interstate 95 and east/west Interstate 16. A beautiful, modern and convenient Savannah International Airport makes the region accessible from anywhere in the USA. Nearby cities include Atlanta, Georgia; Jacksonville, Florida; Charleston, South Carolina; and Charlotte, North Carolina.



ACADEMIC AFFAIRS

VICE PRESIDENT FOR ACADEMIC AFFAIRS
ENROLLMENT MANAGEMENT
UNIVERSITY LIBRARY
SPECIAL PROGRAMS AND SERVICES
UNDERGRADUATE ADMISSION TO THE UNIVERSITY
INTERNATIONAL ADMISSIONS
GRADUATE ADMISSIONS
DEFINITION OF LEGAL RESIDENCE
ACADEMIC POLICY AND REGISTRATION INFORMATION
REGENTS TESTING PROGRAM
VETERANS' AFFAIRS
FINANCIAL AID
CONTINUING EDUCATION



ACADEMIC AFFAIRS

VICE PRESIDENT FOR ACADEMIC AFFAIRS

As the chief academic officer of Savannah State University, the Vice President for Academic Affairs is responsible for all functions and matters relating directly to academic programs and their support services. The Vice President serves also as the senior officer of the University in the absence of the President.

The Vice President coordinates the work of the Colleges of Liberal Arts and Social Sciences, Business Administration, Continuing Education, and Sciences and Technology; the Graduate Studies and Sponsored Research; and the Center for Teaching, Learning, and Academic Support, and the unit of Enrollment Management. Similarly, the Vice President oversees the functions of the library, and the Access programs. Long range academic planning, overall academic effectiveness, and curriculum and staff development are the principal concerns of the Office. Accordingly, the Vice President also serves as senior liaison officer for Savannah State University with the University System of Georgia academic officers and staff of the Board of Regents.

ENROLLMENT MANAGEMENT

The Office of Enrollment Management is a unit where the appropriate departments, Admissions, Registrar, Financial Aid, Testing, Pathways to Teaching are organized in a way that facilitates coordination of staff, flow of information, and integration of decisions. Headed by the Dean of Enrollment Management, the scope of the office is to advance the recruitment and retention activities of the institution, while improving the overall mix of high achieving students, students with limited student academic assistance, and international students. The office is also charged with creating an enrollment profile that will reflect the changing demographics of the State of Georgia and in particular, the metropolitan areas of Savannah and the Coastal Georgia region.

UNIVERSITY LIBRARY

The Asa H. Gordon Library houses 187,916 volumes, including 29,139 bound periodicals, and approximately 547,522 microforms. Current subscriptions include 782 periodicals and 30 newspapers. There is an extensive collection of materials by and about African-Americans. The library houses a multiplicity of educational media materials including records, audio tapes, film units, video units, kits, television monitors, projectors, and distance learning facilities.

The services of the Asa H. Gordon Library include library instruction, audio-visual services, bibliographic services, xerographic and microfilm copying, database searching, interlibrary loans, fax services, Galileo and CD Rom services (SharePac). The library presently operates a Data Research Association turnkey automated system.

Conference and individual study rooms are located throughout the building. There are elevators and facilities for the disabled. Periodical subscriptions and reference and circulation areas are located on the first floor. The educational media, African-American Collection, and two distance learning classrooms are located on the second floor. Typing facilities are available on both floors. A well-trained staff is available to assist the campus community at all times during the hours of operation.

SPECIAL ACADEMIC PROGRAMS AND SERVICES

ACCESS PROGRAMS

What is ACCESS?

TRIO Programs were created by the Higher Education Act of 1965. This social legislation was driven by the democracy and aspirations of the civil rights movement and by President Lyndon B. Johnson's conviction that education was one of the most efficient approaches to providing opportunities for America's poor. Originally just three programs, Upward Bound, Talent Search, and Special Services/Student Support Services, TRIO has evolved into a network of seven programs and services that support students from middle school through graduate study. Additional programs include, Ronald E. McNair Post-baccalaureate Achievement Program, Educational Opportunity Centers, Veterans Upward Bound, and the Math/Science program. Savannah State University has sponsored TRIO Programs for 35 years, beginning with Upward Bound in 1966, followed by Talent Search in 1989 and Student Support Services in 1992. TRIO Programs are funded by the United States Department of Education.

The Postsecondary Readiness Enrichment Program (PREP) was created by the University System of Georgia in cooperation with the Department of Education and the Department of Technical and Adult Education. PREP was launched in 1996 as a result of the Board's 1995 decision to implement higher admission requirements for Georgia students – requirements were implemented throughout the system this fall. The program started at Savannah State University in 1996.

Gaining Early Awareness and Readiness for Undergraduate Programs (GEAR UP) enacted in 1998, is modeled in part after President Clinton's High Hopes for College program to create a national goal that every college should partner with at least one middle school in a low-income community to help raise expectations and ensure that students are well prepared for college. Savannah State University competed for the grant and was funded for the program in 2000 by the United States Department of Education. GEAR UP currently serves seventh and eighth grade students at Tompkins Middle School.

EDUCATIONAL TALENT SEARCH

Description

Educational Talent Search identifies qualified youth with potential for education at the postsecondary level and encourages them to complete secondary school and undertake a program of postsecondary education. ETS serves students in grades six through twelve.

Eligibility

Students enrolled in targeted middle or high schools who have a need for one or more services provided by the program. Also, according to established guidelines, two-thirds of the participants must be low-income, potential first generation college students.

Services Offered

Academic Advisement	Financial Aid Assistance	Study Skills Development
Parent/Student Workshops	Tutoring	Scholarship Information
Career Fairs	Conflict Resolution	Leadership Workshops
Career Exploration/Research	Probe Fair	Field Trips
Academic Bowl	Goal Setting	

GEAR UP

Description

GEAR UP prepares economically disadvantaged middle school students to enroll in higher education. It is a national initiative to encourage more students to have high expectations, stay in school, study hard, and take the right courses to enter college.

Eligibility

All seventh and eighth grade students who attend Tompkins Middle School.

Services Offered

Personal/Social Counseling	Mentoring	Academic Advisement
Tutoring	Educational/	Study Skills
Postsecondary School Visits	Career Field Trips	Community Outreach
Summer Programs	Test Taking Skills	Academic Support
Cultural Enrichment	Financial Aid Assistance	

PREP

Description

PREP is an academic enrichment and outreach initiative created by the University System of Georgia in cooperation with the Department of Education and the Department of Technical and Adult Education. It's designed to help students and their parents make timely, informed decisions that will adequately prepare young people for their higher education careers.

Eligibility

Seventh-grade students who are at risk academically and have a need for one or more services offered by the program.

Services Offered

Tutoring	Mentoring	Readiness Sessions
Career Exploration	Cultural Enrichment	Self-Esteem Skills
Technology Instruction	Summer Program	Leadership Development
Field Trips		

STUDENT SUPPORT SERVICES

Description

Student Support Services is a federally funded college academic support and retention program, designed to identify 175 low-income, first-generation, disabled students at Savannah State University. The program provides various services designed to retain students to graduation.

Eligibility

Students enrolled at SSU, who have a need for academic support. Also, according to established guidelines, participants must be low-income, first-generation college students, or have disabilities.

Services Offered

Information Workshops	Supplemental	Professional Group
Professional Tutoring	Instructions	Tutoring
Study Skills Workshops	Personal Advising	Computer Assistance
Financial Aid Advising	Career Advising	Academic Advising
Graduate School Advising	Campus Visitations	Transfer Advising
Peer Group Tutoring		

UPWARD BOUND

Description

Upward Bound is the first TRIO-based program to come into existence. The Upward Bound Program was enacted by the 1965 Higher Education Act, which President Lyndon B. Johnson signed to address the nation's war on poverty. The Upward Bound Program is designed to address the academic, cultural and psycho-social needs of low-income, first generation and/or high school students who are physically challenged, so that they will successfully complete their high school requirements and prepare to gain access into the higher education arena.

Eligibility

Students between the ages of 13 and 19 who attend targeted Chatham County high schools where they are enrolled in the college-prep curriculum and plan to pursue a college degree. Also, according to established guidelines, two-thirds of the students must be first-generation college students, low-income while one-third may be first generation or low income.

Services Offered

Educational/Cultural	Monthly Assemblies	College Visits
Field Trips	Tutoring	Academic Counseling
Career Options	College Placement	Financial Aid
Discussion Group Sessions	Study Skills	Work Study Experience
Weekly Films	Supervised Recreation	Personal Counseling

Contact Information:

Doreatha S. Tyson, Executive Director, ACCESS Programs

Educational Talent Search (912) 356-2799/2800

GEAR UP (912) 966-7906

PREP (912) 691-6250

Student Support Services (912) 353-3235

Upward Bound (912) 356-2196

ROTC

Through the University's Army and Naval ROTC Programs, Savannah State University students can prepare for commissioned service as regular or reserve officers in the Army, Army National Guard, Navy, or Marine Corps, commensurate with earning their degree. The Army and Naval ROTC Programs constitute an academic minor in military and naval science, respectively.

TEACHER EDUCATION

While Savannah State University does not offer degrees in teacher education, the University maintains its century-old tradition of training teachers through innovative, alternative programs offered in collaboration with Armstrong Atlantic State University. Current teacher preparation programs are listed below.

The Cooperative Teacher Certification Program enables Savannah State students to earn degrees in one of eight disciplines—biology, business, chemistry, English, history, mathematics, music or political science—and also take professional education courses. In some departments, students are able to complete a minor, or the equivalent thereof, in education. Through the Cooperative Teacher Certification Program, students earn degrees in the field of their choice and generally are able to complete four-to-six of the education courses required for teacher certification. The program places students on the cutting edge of teacher preparation reform. National commissions on teacher education have recommended that teachers hold degrees in the disciplines they teach, supplemented by a professional education curriculum, rather than degrees in education. Students should contact the appropriate academic departments for more information.

The Pathways to Teaching Careers Program is designed to increase the number of highly qualified teachers, particularly minorities. The program provides scholarships and professional development support to qualified students. The program targets nontraditional students, specifically those working in the Savannah-Chatham County Public Schools. To be eligible for the program, students must have at least junior status and a minimum grade point average of 2.5. Interested students should contact the Pathways Office, Room 100-A, King-Frazier Student Center.

The Collaborative Program in Middle School Teacher Education affords Savannah State students the opportunity to earn a degree in middle school education. The program addresses Georgia's critical need for middle school teachers and has the goal of helping to increase the number of African-American teachers in mathematics and science, areas where African-Americans are extremely underrepresented. Students should contact their academic advisors for more information on this program.

GEORGIA INTERN PROGRAM

Students who are enrolled full-time at Savannah State University are eligible to participate in the Georgia Legislative Internship Program. Students selected to participate in the Program are assigned to a legislative office or to legislative committees in either the House or Senate, and work directly under and are responsible to the office head or committee chair. The first hand experience of observing and participating in the legislative process is considered as part of the students' academic program and the students may receive academic credit for such participation. The program at Savannah State University is under the general direction of the chair of the Department of Social and Behavioral Sciences.

MINORITY ADVISING PROGRAM

The Minority Advising Program (MAP), established in 1983, seeks to enhance the academic welfare of minority students in the University System of Georgia. Its goals include promoting academic success, developing human potential, and creating an environment that fosters success and retention of minority students. MAP is continuously striving to be a proactive and attentive service to the students of Savannah State University. To this end, MAP encourages all of the students at the University to contribute to it and utilize the services it provides.

INTERNATIONAL EDUCATION CENTER

Savannah State University provides students with a multitude of opportunities to study abroad while earning academic credit toward completion of degree requirements. The University's International Education Center (IEC) offers students access to study abroad in several countries in Africa, Asia, the Caribbean, Europe, North America, and South America.

Some of the study abroad programs are offered by other University System of Georgia institutions. System institutions generally open their programs to all undergraduate students with a minimum cumulative GPA of 2.5; however, certain programs may require a higher GPA and completion of prerequisites. Students in the University System of Georgia who are eligible for financial aid may use that aid toward study abroad. A limited number of study abroad scholarships are available. For further information contact the (IEC) at (912-353-4942, located at King-Frazier Student Center, Room 246.

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

CONTINUING EDUCATION, OUTREACH AND SERVICE PROGRAMS

Savannah State University aims to serve the community through various diverse, life-long educational programs. The University's Continuing Education activities make it possible for learning and recreational opportunities to become available to the general public.

A wide variety of programs are offered at various intervals throughout the academic year; and, when it is appropriate these may occur at job sites, schools, community centers and other locations in Savannah. Instructors are drawn from the faculty of the University, from qualified experts in the Savannah community, and from consultants throughout the region.

On the Savannah State campus, the Continuing Education Coordinator is responsible for the coordination of all community service/continuing education, outreach and service activities. Since these activities are viewed as a university-wide function, responsibility for the program development is shared with the various academic units on campus. The major community service/continuing education, outreach and service component of the University is the short-course/conference program. For further information, contact the Coordinator for Continuing Education (912) 691-5557, located in King-Frazier Student Center, Room 228.

SHORT-COURSE/CONFERENCE PROGRAM

The short-course/conference program offers non-credit courses; conferences, seminars and workshops for the general public. Formal admission to the University is not required.

Classes meet once or twice weekly during the University's regular semesters. The length of a class meeting ranges from one hour to two hours. No A, B, C, grades are given, but the S or U mark is given denoting a participant's satisfactory or unsatisfactory completion of a course. Continuing Education Units are awarded to participants who successfully complete a course, and a record of enrollment is maintained.

UNDERGRADUATE ADMISSION TO THE UNIVERSITY

GENERAL INFORMATION

Persons who wish to enroll at Savannah State University must file an application, which can be obtained from the Office of Admissions. Applicants who are high school students should file an application as early as possible during their senior year. All applications must be filed and completed by the application deadline for the semester in which applicants plan to enroll. Applicants must furnish evidence indicating ability to do university level work.

All new students (freshmen, transfers, and others) attending regularly scheduled classes or receiving resident credit will be required to submit a Certificate of Immunization (measles, mumps, and rubella) prior to attending such classes. This certificate will be kept on file in the Office of the Registrar and will be valid throughout enrollment. Students without this certification of immunization may be denied permission to enroll at the University. Exceptions may be made for students who have religious objections and students whose physicians have certified that the students cannot be immunized because of medical reasons.

Savannah State University reserves the right to employ appropriate assessment mechanisms to ascertain the suitability of applicants to enroll in the University and to deny enrollment or admission to individuals based upon the results of this assessment.

The University reserves the right to withdraw admission prior to or following enrollment if students become ineligible as determined by the standards of the University or Board of Regents. These standards may be revised and new policies initiated upon the discretion and consensus of the University and Board of Regents.

ADMISSION PROCEDURES

Applicants are responsible for requesting that official documents required for admission be sent directly from their previous institutions to the Office of Admissions. Documents that have been in the hands of applicants, such as student copies of transcripts or letters, grade reports, diplomas, or graduation lists, are not official. Official documents must be issued and mailed directly by the registrar of the previous institution(s) in a sealed envelope to the Office of Admissions at Savannah State University. These documents become part of the applicants' permanent records and will not be returned.

The following are specific items required for admission:

1. **APPLICATION FORM.** Applicants seeking admission must file an application for admission prior to the specified deadline as indicated in the academic calendar. An application may be obtained from the Office of Admissions or on-line at www.admissions.savstate.edu. Care should be taken to read the directions accompanying the application and provide all information requested. An incomplete application will cause delay and may be returned.
2. **CERTIFICATE OF IMMUNIZATION.** All applicants must submit a University System of Georgia Certificate of Immunization, verifying immunity against measles, mumps, and rubella. **This form must be on file before registration.**
3. **APPLICATION FEE.** A non-refundable processing fee of \$20.00 is required with applications.
4. **OFFICIAL TRANSCRIPT(S) OF COURSES COMPLETED.** All documents must be on file in the Office of Admissions prior to the specified document **deadline**. Freshmen applicants should request their high school guidance department to send an official copy of their transcript. Nontraditional adult candidates must submit an official high school transcript and official college transcript(s), if applicable. Transfer candidates with fewer than 45 transferable quarter hours or 30 transferable semester hours (must have completed two college level English courses and one college level math course) should submit official transcripts from their high schools and from all colleges previously attended.

5. **COPIES OF TEST SCORES.** The Scholastic Aptitude Test (SAT I) or The American College Testing Program (ACT) tests are required for all freshmen applicants and transfer students not meeting transfer requirements. Applications and information for the college entrance exams can be found in high school guidance offices or may be obtained from College Board (Box 592, Princeton, New Jersey 08640), or the American College Testing Program (3355 Lennox Road, N.E., Suite 320, Atlanta, Georgia 33026-1332). The SAT college code assigned to Savannah State University is **5609**, and the ACT college code number is **0858**. An Institutional Scholastic Aptitude Test (ISAT) is offered each semester by the Office of Testing for students who apply for admission to Savannah State University only. SAVANNAH STATE UNIVERSITY applicants who were unable to schedule for the SAT I during the regularly scheduled administration with the National SAT Program offered October through June of each year may take the ISAT. **SCORES EARNED AT AN ISAT ADMINISTRATION ARE FOR USE AT SAVANNAH STATE UNIVERSITY ONLY AND CANNOT BE REPORTED TO OTHER COLLEGES OR UNIVERSITIES.** Holders of the GED certificate are also required to submit SAT I or ACT scores and SAT II Subject Test scores as required to satisfy admission criteria. Transfer candidates who have attempted fewer than 45 transferable core quarter hours or 30 transferable semester hours must also submit SAT I or ACT scores and submit an official copy of their high school transcript.
6. **OTHER REQUIREMENTS.** The University may require applicants to appear for a personal interview and to take any achievement, aptitude, and psychological tests it deems appropriate in order to make a decision regarding the qualification for admission to the University. Once admitted, all students are required to take a Writing Assessment. Some students may also be required to take placement tests in English, reading, and/or mathematics.

ADMISSIONS REQUIREMENTS

Freshman Applicant/Regular Admission

Acceptance to the University is determined on the basis of a Freshman Index, which is calculated by using a numerical formula. (see **Freshmen Index** below) The required Freshmen Index for Fall 2002 is 1940. The high school curriculum, ACT or SAT scores, and the high school college prep. Grade point average is used to determine admissions. Applicants must be a graduate of an accredited high school (regional accrediting association or a public school regulated by a school system and state department of education) with a diploma (**a certificate of attendance is not acceptable**). The University requires the students' final high school transcripts before they are allowed to attend classes. Applicants graduating from high school less than 5 years or earlier, must complete requirements of the College Preparatory Curriculum (CPC) of the Board of Regents (see College Preparatory Curriculum).

Regular Admissions Requirements Fall 2002:

- **Freshman Index of 1940**
- **SAT Verbal score of 430 SAT Math score of 400**
- **Or ACT English 17, ACT Math 17, and ACT Composite 17**
- **2.2 GPA**
- **16 CPC Units**

Freshman Index

The Freshman Index is calculated by adding a weighted high school GPA (500 x HSGPA) to sum of the verbal and mathematics scores on the SATI. If ACT scores are submitted, a comparable formula is used.

Formula for SAT I (Freshman Index = 500 x HSGPA + SAT I verbal + SAT I Math)

Formula for ACT (Freshman Index = 500 x HSGPA + (ACT Composite score x 42) + 88

The required index score for regular admission to Savannah State University is subject to increase. Contact the Office of Admissions for current index scores for application term.

Test Scores

The highest scores submitted by the applicant will be used for admissions purposes. The minimum scores for regular admissions are as listed:

SAT I 430 Verbal, and 400 Math

ACT 17 English, 17 Math, and 17 Composite

Applicants who score below the minimum score requirements must sit for the COMPASS (see testing section) test.

High School Grade Point Average

A minimum of a 2.2 grade point average is required for Regular Admissions. The high school grade point average is calculated by using only college preparatory curriculum courses in the formula. All courses attempted will be calculated into the grade point average (failures and repeat grades). Courses will not be weighted unless designated by a grade legend printed on the applicant's high school transcript indicating additional points should be added. A preliminary GPA is calculated for admissions and is re-calculated when the final high school transcript is received by the Office of Admissions.

College Preparatory Curriculum

Listed are the requirements for completion of a College Preparatory Curriculum (CPC). A preliminary evaluation is processed using the current high school transcript to determine if the applicant is on tract to complete the required number of units. A final evaluation is processed when the final high school transcript is received. The applicant must complete a minimum number or CPC units when the preliminary evaluation is processed for admissions.

Units	Instructional Emphasis/Courses
English (4)	* Grammar and usage * Literature (American and World)
Science (3)	* Advanced composition skills * Physical Science * At least two laboratory courses from biology, chemistry or physics
Mathematics (4)	* Two courses in algebra, one in geometry, and one other math
Social Science (3)	* American History * World History * Economics and Government

Foreign Language (2) * Two courses in one language emphasizing speaking (must be listening, reading, and writing)

Limited Admission/Conditional Freshman Applicant

Freshmen applicants that do not meet the regular requirements for admissions may qualify for limited admissions if a minimum set of requirements are met. Only a small percentage of the total freshmen class may be admitted as Limited admits. Students will be evaluated and granted Limited admissions on a space availability basis if the minimum requirements are met.

Applicants that are admitted as Limited must sit for all parts of the COMPASS (The Computer-Adaptive Placement Assessment and Support Exam), and the Writing Assessment Test.

Minimum Requirements Limited Admissions Fall 2002

- 1800
- 1.9 grade point average
- SAT Verbal 430 and SAT Math 400 or ACT of 17 Verbal, 17 Math, and Composite 17
- A minimum of 16 units

Satisfying College Preparatory Curriculum (CPC) Deficiencies

Students who have not completed the CPC requirements in high school, students that graduate from high schools that are not accredited, home school students and applicants earning a GED must satisfy the minimum number of units to satisfy requirements for admissions. Students that are admitted via limited admissions must satisfy the requirements during the first term(s) of enrollment.

English. Students earning a GED, earning a home school diploma and or graduating from a non-accredited high school may take SAT II subject tests to earn CPC units. **A score of 520 on the English Writing SAT II subject test and a score of 530 on the Literature test are passing scores.** Students with a passing score on only one test would have two deficiencies at admission and, therefore, must be tested for placement into a Student Academic Assistance or Learning Support English course (institutional credit only). Satisfactory scores on either test will provide credit for two years of CPC English while satisfactory scores on both tests will provide credit for four years or CPC English.

Limited admit applicants graduating with fewer than the four required units of English are required to take the Computer-Adaptive Assessment and Support System exam (COMPASS) in English, the Writing Assessment and the COMPASS in reading. Based upon the score earned, students will either be exempt from or required to enroll in the Student Academic Support English and/or reading course.

Mathematics. Students earning a GED, earning a home school diploma and or graduating from a non-accredited high school may take SAT II subject tests to earn CPC units. **To satisfy the math CPC course requirements a score of 500 on the Math IC and a score of 550 Math IIC must be earned on the test.** Students not passing either test would have three deficiencies.

Limited admit students that are admitted with a deficiency in Math are required to take the COMPASS Mathematics test. Students that are placed in the Student Academic Support mathematics course will receive institutional credit only and must pass the exit exam to satisfy CPC requirements. Applicants graduating with fewer than the four required units of mathematics must sit for the exam.

Science. Students earning a GED, earning a home school diploma and or graduating from a non-accredited high school may take SAT II subject tests to earn CPC units. **To satisfy the science CPC course requirements an applicant must achieve a score of 520 on the Biology subject test and a 540 on the Chemistry subject test or 590 on the Physics subject test.** Students passing only one of the two required tests would have two deficiencies at admission.

Limited admit students that are admitted with fewer than the three required units of science are required to take a laboratory science course (institutional credit only) and pass it with a grade of “C” or better. Students must enroll in a laboratory science course and pass the course with a “C” or better. This CPC deficiency course cannot be used for graduation requirements.

Social Science. Students earning a GED, earning a home school diploma and or graduating from a non-accredited high school may take SAT II subject tests to earn CPC units. **To satisfy the social science CPC requirements an applicant must achieve a 560 on the SAT II subject tests in American History and Social Science and achieve a 540 on the World History.** Students passing only one of the two required tests would have two deficiencies at admission and, therefore, will be required to enroll in a social science course.

Limited admit students that are admitted with fewer than the three required units of social science are required to take a three semester hour course (for institutional credit only) chosen from approved social science courses and pass it with a grade of “C” or better. This course cannot be used for graduation requirements.

Foreign Language. Students earning a GED, earning a home school diploma and or graduating from a non-accredited high school may take SAT II subject tests to earn CPC units. **To satisfy the foreign language CPC requirements an applicant must pass a SAT II test for language or qualify for exemption.** Alternatively, the CLEP, AP, or a departmental exam may be taken, and, if the score earned is adequate, credit will be granted for meeting the foreign language requirements.

Limited admit students that are admitted with fewer than the two required units of foreign language are required to take a three semester hour course (for institutional credit only) chosen from approved social science courses and pass it with a grade of “C” or better. This course cannot be used for graduation requirements.

Policies Regarding CPC Deficiencies

All course work required to overcome deficiencies must be completed prior to accumulating 30 semester hours of university level course work. In social science, and foreign language courses, it is necessary to complete the course with a grade of “C” or better. Although credit is received for courses used to satisfy College Preparatory Curriculum deficiencies, such credit may not be used to satisfy either core curriculum or degree requirements.

Students should register for courses to satisfy deficiencies in science, social science, or foreign language during their **first** and **each subsequent semester** of enrollment until the deficiencies are satisfied.

Students who are readmitted to Savannah State University and students who transfer from within the University System of Georgia who have earned 30 or more semester hours of college-level credit and who have not satisfied College Preparatory Curriculum deficiencies in science, social science, or foreign language may not register for other courses (except required Student Academic Assistance courses) unless they also register for the appropriate deficiency course or courses.

Students transferring from outside the University System with fewer than 30 transferable credit hours of accepted transfer credits which do not include completion of area A of the core curriculum credits, or from a program not requiring the College Preparatory Curriculum are required to submit a high school transcript and appropriate test scores for evaluation. Applicants not meeting regular freshman requirements (see "Regular Admission") are required to test for placement and should register for any deficiencies immediately upon entering Savannah State University. Such students who earn 30 or more hours of university credit at the institution and who have not satisfied College Preparatory Curriculum deficiencies in science, social science, or foreign language may not register for other courses (except required Student Academic Assistance courses unless they also register for the appropriate deficiency course or courses).

Students whose native language is not English may be considered to have met the CPC foreign language requirements if they are proficient in their native language. A formal examination is not necessary if other evidence of proficiency (for example, attendance at a school in the native language) is available.

Exceptions to the CPC Requirements

Applicants who have not attended high school within the previous five years are exempt from College Preparatory Requirements. Qualified transfer applicants and International students are exempt.

Non-traditional applicants who are admitted with CPC exemptions are required to sit for the COMPASS placement examination and the Writing Assessment (see "Center for Teaching and Learning and Academic Support").

Presidential Exceptions

In very special and rare circumstances, the President of Savannah State University may grant exceptions to the CPC and FI requirements for limited admissions if students show exceptional promise for success. Only a few students can be admitted under this category.

Admission of Students with Disabilities

Applicants with disabilities are expected to have completed the CPC with the appropriate instructional accommodations. The Core Curriculum of Savannah State University requires students to complete university-level courses in English, mathematics, social science, and science. No exemptions or substitutions are permitted for these required college courses. Students who are not successful in the high school courses will not be provided with CPC exceptions in the admissions process.

Foreign language fluency is not required for all majors at Savannah State University. Therefore, students with learning disabilities that preclude the acquisition of a foreign language may petition for admission without completing this CPC requirement.

For admission to Savannah State University, students must receive approval from a Regents' Center for Learning Disorders (RCLD) prior to acceptance. To ensure consideration under this provision, students should apply for admission and request a RCLD review no later than six months before the admissions decision is to be made. Students applying should also apply and request approval at least six months in advance, but may be admitted in the "limited" category if they meet other requirements. Those admitted without approval must request a RCLD review and submit all requested materials during their first semester of enrollment. Students who receive approval from the RCLD may then satisfy the CPC foreign language deficiency by substituting another type of course determined by the Institution.

Students are expected to achieve the University's minimum SAT scores with the appropriate SAT accommodations from the College Board.

Students may apply and be admitted without regard to disability. However, students who do not meet the regular admissions requirements and who would like to be considered for accommodations in the admissions process must notify the Office of Counseling and provide documentation of their disability. In particular, students with learning disorders who are requesting an accommodation that requires approval from a RCLD review should apply at least six months in advance of the time the admissions decision is needed.

Students should be aware that certain programs and degrees require the ability to perform specific critical skills. Students should, prior to applying for or beginning a program of study, review all requirements that are necessary for completion of the program.

TRANSFER STUDENTS

Transfer students who have been out of high school fewer than five years are requested to submit high school transcripts as part of their application package unless they have completed 30 transferable hours and have earned the equivalent of 6 semester hours of college level English and 3 semester hours of college level math. This requirement also applies to students enrolled in University System of Georgia institutions that do not require the College Preparatory Curriculum for admission.

Transfer students completing high school less than 5 years ago and transferring from University System of Georgia institutions maintain their CPC status as determined by the first University System institution making the original CPC evaluation.

Transfer applicants should request the registrar of institutions they formerly attended to remit an official transcript of their records to the Office of Admissions at Savannah State University, regardless of the transferability of the credits.

Transfer applicants are not considered for admission unless they are academically eligible to return to the colleges or universities they last attended.

Transfer applicants will be considered for admission to Savannah State University if their grade point average is equivalent to 2.0 on all work attempted at other institutions. Applicants with a GPA of less than 2.0 will be denied routine admission, but may appeal to the University's Admissions Committee.

Credit will be given for transfer course work in which a grade of "C" or better has been earned. Credit is not granted for any course in which a "D" grade has been earned.

The total credits that Savannah State University will allow for work completed at other institutions during a given period may not exceed the normal number of credits that could have been earned at Savannah State University during that same period.

Credit allowed for extension, correspondence, CLEP examination, or military service schools shall not exceed a total of 30 semester hours.

Transfer students who have earned excessive credit in freshman and sophomore courses may not be granted credit in excess of 67 semester hours below the junior class level.

Transfer credit may be accepted from degree granting institutions that are accredited at the collegiate level by their appropriate regional accrediting agencies. Provisions may be considered when an institution appeals the policy. Students may be required to validate credit by examination. In computing cumulative grade point averages, only the work attempted at Savannah State University will be considered.

If the Core Curriculum requirements in Area A (Essential Skills), Area B (Institutional Options), Area C (Humanities/Fine Arts), Area D (Science, Math, and Technology), Area E (Social Sciences), freshman experience, and/or health and wellness have been completed at a University System of Georgia institution, each completed area will be accepted as having met the respective area requirement at Savannah State University.

An official evaluation of applicants' previous college credit hours earned will be completed prior to their first semester of attendance, provided that all transcripts are on file. Transfer credit will be awarded from institutions listed in the *American Association of College Admission Officers and Registrars Handbook* as being regionally accredited.

Students who complete course work and exit any area of Student Academic Assistance or Learning Support at a University System institution shall not be required to re-enroll in that area of Student Academic Assistance or Learning Support upon transfer to Savannah State University.

All transfer students from within the System shall be subject to all provisions of this policy. Students from institutions outside the System who transfer to Savannah State University with thirty (30) or more earned degree semester credit hours shall take the Regents' Test during their initial semester of enrollment if Student Academic Assistance or Learning Support and core curricular English requirements are met. During subsequent semesters, these students shall be subject to all provisions of this policy. Provisionally admitted transfer students must meet the same regular admission requirements as individuals admitted to the University for the first time. A complete record of past remedial course work and CPE or COMPASS scores must be on file in the Savannah State University Office of Admissions before admission.

EARLY ADMISSION

Students who have completed the eleventh grade in high school and who have demonstrated outstanding ability to achieve will be considered for early admission. The University will consider students for early admission only upon written recommendation from their high school principals or counselors. To be admitted early, students must satisfy all of the following criteria:

1. Have a minimum Scholastic Aptitude Test (SAT I) score of 970 (with not less than 430 Verbal SAT/17 ACT English and 400 Math SAT/17 ACT Math), combined verbal and mathematics sections, or the ACT composite score no less than 21;
2. Have at least a minimum cumulative high school grade point average of 3.0 or numerical average of 80 or higher in academic subjects;

3. Be exempt from all Student Academic Assistance or Learning Support requirements;
4. Submit **written recommendation from their high school principal or counselor;**
5. Present written consent of **parents or guardian (if students are minors); and**
6. Have completed the University System of Georgia College Preparatory Curriculum requirements with the following exceptions:

Students with SAT I verbal scores of at least 630 (or ACT English of at least 23), who have not completed the final unit of high school English and/or social science, may be permitted to fulfill these high school requirements with the appropriate university course taken through the joint enrollment or early admissions program.

Students who have not completed the College Preparatory Curriculum requirements may be admitted through the joint enrollment program if they are enrolled in the necessary high school courses and are scheduled to complete the requirements by the end of their senior year.

With the exception of English and social studies courses taken by students with a SAT I verbal score of at least 530 (or ACT English of at least 23), college courses may not be used to fulfill both high school College Preparatory Curriculum requirements and college degree requirements.

JOINT ENROLLMENT OF HIGH SCHOOL STUDENTS (Including Post-Secondary Options)

The joint enrollment program is designed for high school juniors and seniors who wish to enter college on a part-time basis and earn college credit while they complete their junior and/or senior year of high school. Interested applicants must have prior approval of their parents and high school counselor or principal.

Post-Secondary Options (PSO) is a joint enrollment program designed for juniors and seniors in Georgia public high schools. Under PSO regulations, students simultaneously receive high school Carnegie unit credits) and college credit hours. Under the PSO program, tuition for classes taken at Savannah State University is paid for with funds generated by the Quality Basic Education **funding formula.** Interested students should contact their high school counselor.

Joint enrollment applicants are also required to submit official college entrance examination scores. Minimum scores for joint enrollment admission, including Post Secondary Options, are described in the "Early Admissions" section of this catalog.

Institutions in the University System of Georgia are prohibited from accepting transfer credit awarded by any college or university to students enrolled in joint high school and college enrollment programs unless those students have a minimum SAT I score of 970 and a high school grade point average of 3.00 (B) on a 4.00 scale, effective Fall Quarter, 1986.

ADMISSION OF INTERNATIONAL STUDENTS

Savannah State 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.

Students from a country other than the United States who are interested in attending Savannah State University should write to the Office of Admissions, Savannah State University, Savannah, Georgia 31404, USA, and submit a completed application along with a \$20.00 application fee in the form of a money order or certified check. Applications must be submitted at least ninety days prior to the beginning of the anticipated semester of enrollment.

Applicants must have the equivalent of a USA high school diploma and the equivalent of a 2.0 minimum grade point average on academic work only (on a 4.0 scale).

Official transcript(s) of all academic records along with an official translation must be mailed to the Office of Admissions.

Applicants must provide evidence of English language proficiency through the TOEFL, ELS schools, or other institutionally approved programs. Language school records and scores from all tests must be sent to the Office of Admissions. The minimum acceptable TOEFL on the paper version is 523 the score on the computerized version is 193. Applicants must also take the SAT I or ACT.

Applicants may be required to take the **COMPASS and the Placement Writing Sample** prior to registration.

Applicants must submit evidence of financial ability to pursue a full-time education in this country since no financial aid is available for international students. All international students are required to pay out-of-state tuition.

After all of the above conditions have been met, the Immigration Form I-20 (Certificate of Eligibility) needed to obtain a student VISA will be issued to applicants. Refund of tuition and fees will be in accordance with the policies and procedures outlined in the University *Catalog*.

International students with a student visa are required to carry a full course of study in every semester, except summer. A minimum course load at Savannah State University is twelve semester hours for undergraduate students and nine semester hours for graduate students.

Resident aliens must present their Alien Registration card as proof of their official status to the Director of Admissions.

All international students must be prepared to obtain adequate health and accident insurance while they are attending Savannah State University. Prior to registration, they must provide proof of insurance and a local street address.

International students must take a proficiency test in both reading and writing (Michigan Test of English Language and a writing test) during their sophomore year. Students who fail either or both tests will be required to enroll in remedial courses.

The University's international student advisor assists international students on campus and in the community. There is an active International Students Association.

ADMISSION TO ENGINEERING DEGREE PROGRAMS

Students admitted to engineering degree programs will be able to qualify for the Georgia Tech engineering degree by completing the equivalent courses included in freshman and sophomore years of the engineering discipline in which the student intends to major at Georgia Tech with a 2.7 (3.0 for the out of state student) or higher GPA.

The freshman admission criteria for the **Engineering Degree Programs** as well as **Dual Degree Program** are the same as regular freshman admission criteria.

The freshman admission criteria for direct admission in the Regents' Engineering Transfer Program (**RETP**) and Georgia Tech Regional Engineering Program (**GTREP**) are as follows:

- A combined **SAT** score of at least **1090** (including a minimum of **560** on the math and **440** on the verbal portion)
- A high school **GPA** of at least **3.0** or
- Have been admitted to an engineering program at Georgia Tech.

Student must be a resident of Georgia to be eligible for the **RETP**.

SPECIAL ADMISSION CATEGORIES

Nontraditional Students

Applicants who have not attended high school or college within the previous five years and who have earned fewer than 30 transferable semester hours of college credit are not required to take the SAT or ACT. However, these applicants will be required to take the Collegiate Placement Examination or COMPASS and the Writing Assessment and complete any Student Academic Assistance requirement(s). Students admitted under this category must complete 30 hours of college credit with a minimum 2.0 grade point average and fulfill Student Academic Assistance requirements in order to be granted regular admission status.

Post-Baccalaureate/Non-Degree Students

Applicants who desire to enroll in courses that do not require Student Academic Assistance prerequisites may be admitted to enroll in no more than 9 semester hours with permission of the Director of Admissions to enroll as non-degree students. Applicants who possess a baccalaureate degree from an accredited college or university may enroll as post-baccalaureate students after submitting an official college transcript showing completion of a baccalaureate degree. There is no limitation on the number of hours of undergraduate credit these students can earn.

This category is temporary, and applicants must complete an application each semester of enrollment. To enter a degree program, fulfillment of all beginning freshman requirements are necessary. Non-degree students must satisfy all prerequisites before enrolling in a course.

Transient Students

Students enrolled in another college may apply for the privilege of temporary registration at Savannah State University. These students will ordinarily be expected to return to their home institution.

Transient students are admitted for only a specified time, normally one semester. These students must file a regular application form, submit a statement of good standing from their institution, and have permission to take specific courses at Savannah State University. An application fee of \$20.00 is also required. Since transient students are not admitted as regular students, transcripts of college work completed elsewhere is not usually required. Transient students who wish to enroll at Savannah State University for a subsequent term must submit additional statements from their institutions each semester. First-time applicants are required to submit a University System of Georgia Certificate of Immunization. Applicants in this admissions category who wish to apply, as a transfer student must meet all transfer applicant requirements.

Georgia Resident Senior Citizens/Persons 62 or Older

Persons who are 62 or older may enroll as regular students in credit courses on a space available basis without payment of fees. Students must pay for their supplies and laboratory or special course fees. They must be residents of the State of Georgia and must present a birth certificate or comparable written documentation of age to enable the **Office of Admissions to determine eligibility**. They must meet all admission and degree requirements.

Special Students

All students in classifications not otherwise covered in the University's admissions categories shall be required to meet all requirements prescribed for admission to undergraduate or graduate programs and to meet any additional requirements prescribed by the University. Exceptions may be made only with written approval of the Chancellor of the University System of Georgia.

Auditors

Students who submit evidence of graduation from an accredited high school or a GED certificate which satisfies the minimum score requirement of the State of Georgia may register as auditors. Under extraordinary circumstances, the President may waive the requirement of a high school diploma or equivalent. Students registered as auditors shall be required to pay the regular fees for enrollment and shall be prohibited from receiving credit at any later time for course work that they completed as auditors. Prior to registration, students must complete a request for Audit of Course Form and indicate this category on the course schedule planning and registration form.

Faculty members of Savannah State University may attend classes offered by other faculty members without registering as auditors, but they may not receive credit.

University System Employee Enrollment/Tuition Reimbursement

Savannah State University and the University System of Georgia encourage full-time faculty, staff, and administrators to participate in professional development study by remitting or reimbursing tuition for those courses that have been authorized. These courses should be clearly related to employment consistent with the current Savannah State University guidelines regarding tuition reimbursement. Detailed information and forms are available in the Office of Human Resources.

RE-ADMISSIONS TO SAVANNAH STATE UNIVERSITY

Students who have remained out of the University for two or more semesters must apply for readmission by completing the readmission form and returning it to the Office of the Registrar by the established application deadline. Students who have attended other colleges in the interim are considered transfer students and must submit official transcripts of all colleges attended and must complete an application in the Office of the Registrar. Former Savannah State University students are not required to pay an application-processing fee when they apply.

Former students who leave the University prior to completing Student Academic Assistance requirements and/or satisfying College Preparatory Curriculum deficiencies will not be allowed to return to the University as transient students from other institutions without transcripts from those schools. Students who are readmitted after an absence from the University for more than two years must meet degree requirements in effect in the current catalog at the time of their return (see Academic Regulations).

Academic Renewal

Academic Renewal allows Savannah State University degree-seeking undergraduate students who have experienced academic difficulty to have one opportunity to make a fresh start at Savannah State University after an absence of five consecutive calendar years.

Former Academic Assistance or Learning Support students may apply for academic renewal only if they have successfully completed all Student Academic Assistance or Learning Support requirements before the commencement of the five-year period of absence.

All previously attempted course work continues to be recorded on the official transcript. For a complete statement of this policy, see "Academic Renewal for Returning Students" under "Academic Regulations" of this catalog or the policy statement in the Office of the Registrar.

ACADEMIC RENEWAL FOR RETURNING STUDENTS

Academic Renewal Policy:

Academic Renewal allows re-calculating GPA and credit hours toward graduation, based exclusively on work completed after returning to the University. This policy is for undergraduate students who have acquired maturity through extended experience outside course enrollment in higher education institutions. Students who qualify for academic renewal must

- Not have enrolled for credit in any courses, offered by academic/postsecondary institutions (accredited by one of the organizations recognized by Council on Postsecondary Education Association) for at least five years after the enrollment period subject to academic renewal;
- Be undergraduates who have not been awarded an associate or bachelor's degree; and

- Request academic renewal status within two academic semesters of re-enrollment or within one calendar year, whichever comes first.

Academic Renewal Procedures and Implementation Issues

Course work and grades earned prior to a five-year (or longer) separation period will remain on the transcript.

In consideration of any course work completed after the period of separation, only Savannah State University course work and subsequent transfer work will be used in the calculation of the overall GPA. This GPA (overall GPA) will be used for admission to programs/majors requiring a minimum grade point average.

Academic credit for previously completed course work, including transfer course work, will be retained only for all courses in which an A, B, C, or S grade has been earned. Retained grades are not calculated in the academic renewal GPA. The course credit hours will count in the academic renewal hours earned.

Former Academic Assistance or Learning Support students may apply for academic renewal only if they successfully complete all Student Academic Assistance or Learning Support requirements before the commencement of the five years of absence.

Students who transfer from Savannah State University should recognize that the receiving institution is under no obligation to acknowledge the adjusted GPA. The receiving institution is expected to recognize only the cumulative GPA.

The academic renewal GPA will be used for determining academic standing and eligibility for graduation.

All courses will be considered in the implementation of the Board of Regents' Examination and College Preparatory Curriculum policy requirements.

Academic renewal can be approved only once. Once academic renewal is requested and approved, it cannot be reversed.

All courses will be considered for the determination of financial aid and/or veterans benefits.

To earn a degree, students must meet Savannah State University's residency requirements.

Past scholastic suspensions shall remain recorded on permanent records.

Graduate Admissions

Prospective graduate students should request an application from the Office of Graduate Studies and Sponsored Research. For admissions information and details on program requirements contact the office of the prospective program (see "Master of Public Administration, Master of Urban Studies, Master of Social Work, and Master of Marine Science").

Applicants for graduate study are expected to meet general admission requirements for graduate programs. Applicants should submit to the Office of Graduate Studies, two official transcripts of all courses attempted at the undergraduate level and all other documents requested for program admissions.

The Dean of the Graduate Studies is responsible for coordinating the admissions process for the graduate programs. The program coordinators are responsible for establishing admissions committees and facilitating the application process. Review the Academic Program section of the catalog for details on admissions requirements.

ACADEMIC POLICY AND REGISTRATION

DEFINITION OF LEGAL RESIDENCE

REGENTS' POLICIES GOVERNING THE CLASSIFICATION OF STUDENTS FOR TUITION PURPOSES

The following policies have been adopted by the Board of Regents for the purposes of determining the tuition status of students:

403.02 CLASSIFICATION OF STUDENTS FOR TUITION PURPOSES

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

- i. A student whose parent, spouse, or court-appointed guardian is a legal resident of the State of Georgia may register as a resident providing the parent, spouse, or guardian can provide proof of legal residency in the State of Georgia for at least 12 consecutive months immediately preceding the date of registration.
- ii. A student who previously held residency status in the State of Georgia but moved from the state then returned to the state in 12 or fewer months.
- iii. Students who are transferred to Georgia by an employer are not subject to the durational residency requirement.

(2) 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.

- B. If a parent or legal guardian of a student changes his or her legal residence to another state following a period of legal residence in Georgia, the student may retain his or her classification as an in-state student as long as he or she remains continuously enrolled in the University System of Georgia, regardless of the status of his or her parent or legal guardian.
- C. In the event that a legal resident of Georgia is appointed by a court as guardian of a nonresident minor, such minor will be permitted to register as in-state student providing the guardian can provide proof that he or she has been a resident of Georgia for the period of 12 months immediately preceding the date of the court appointment.
- D. 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:

An institution may waive out-of-state tuition and assess in-state tuition for:

- A. Academic Common Market. Students selected to participate in a program offered through the Academic Common Market.
- B. International and Superior Out-of-State Students. International students and superior out-of-state students selected by the institutional president or an authorized representative, provided that the number of such waivers in effect does not exceed 2 percent of the equivalent full-time students enrolled at the institution in the fall term immediately preceding the term for which the out-of-state tuition is to be waived.
- C. University System Employees and Dependents. Full-time employees of the University System, their spouses, and their dependent children;
- D. Medical/Dental Students and Interns. Medical and dental residents and medical and dental interns at the Medical College of Georgia (BR Minutes, 1986-87, p. 340);
- E. Full-Time School Employees. Full-time employees in the public schools of Georgia or of the Department of Technical and Adult Education, their spouses, and their dependent children. Teachers employed full-time on military bases in Georgia shall also qualify for this waiver (BR Minutes, 1988-89, p. 43);
- F. Career Consular Officials. Career consular officers, their spouses, and their dependent children who are citizens of the foreign nation that their consular office represents and who are stationed and living in Georgia under orders of their respective governments.
- G. Military Personnel. Military personnel, their spouses, and their dependent children stationed in Georgia and on active duty, unless such military personnel are assigned as students to System institutions for educational purposes;
- H. Research University Graduate Students. Graduate Students attending the University of Georgia, the Georgia Institute of Technology, Georgia State University, and the Medical College of Georgia, which shall be authorized to waive the out-of-state tuition differential for a limited number of graduate students each year, with the understanding that the number of students at each of these institutions to whom such waivers are granted shall not exceed the number assigned below at any one point in time:

University of Georgia	80
Georgia Institute of Technology	60
Georgia State University	80
Medical College of Georgia	20
- I. Border County Residents. Residents of an out-of-state county bordering a Georgia county in which the reporting institution or a Board-approved external center of the University System is located.
- J. National Guard Members. Full-time members of the Georgia National Guard, their spouses, and their dependent children. (BR Minutes, April, 1998, pp. 16-17);
- K. Students enrolled in University System institutions as part of Competitive Economic Development Projects. Students who are certified by the Commissioner of the Georgia Department of Industry, Tourism and Trade as being part of a competitive economic development project;

- L. Students in Georgia-Based Corporations. Students who are employees of Georgia-based corporations or organizations that have contracted with the Board of Regents through University System institutions to provide out-of-state tuition differential waivers;
- M. Students in Pilot Programs. Students enrolled in special pilot programs approved by the Chancellor. The Chancellor shall evaluate institutional requests for such programs in light of good public policy and the best interests of students. If a pilot program is successful, the tuition program shall be presented to the Board for consideration;
- N. Students in ICAPP® Advantage programs. Any student participating in an ICAPP® Advantage program; and
- O. Direct Exchange Program Students. Any international student who enrolls in a University System institution as a participant in a direct exchange program that provides reciprocal benefits to University System students.
- P. Families Moving to Georgia. A dependent student who, as of the first day of term of enrollment, can provide documentation supporting that his or her supporting parent or court-appointed guardian has accepted full-time, self-sustaining employment and established domicile in the State of Georgia for reasons other than gaining the benefit of favorable tuition rates may qualify immediately for an out-of-state tuition differential waiver which will expire 12 months from the date the waiver was granted. An affected student may petition for residency status according to established procedures at the institution.
- Q. Recently Separated Military Service Personnel. Members of a uniformed military service of the United States who, within 12 months of separation from such service, enroll in a program for teacher certification and demonstrate an intent to become a permanent resident of Georgia. This waiver may be granted for not more than one year.

Additional Resident Information

Individuals who enter Savannah State University as nonresident students but who wish later to qualify as legal residents must submit a Petition for Georgia Resident Classification, which can be obtained in the Office of the Registrar. Residence status is not changed automatically, and the burden of proof rests with students. Students are responsible for registering under the proper residence classification. Students classified as nonresidents who believe they are entitled to be reclassified as legal residents may petition the Registrar for a change in status. To avoid delay and inconvenience at registration, the petition must be filed no later than 60 working days prior to registration for the semester students are petitioning for in-state residence status.

Items to be included with Petition for Residency

A notarized statement verifying employment during the last 12 months should indicate dates of employment. Statements on company letterhead do not have to be notarized.

A copy of lease or deed showing residence during the last 12 months should be included. Leases or deeds in a name other than that of the student require a notarized statement of residence from the person holding the lease or deed.

ADVISEMENT

All students at Savannah State University are assigned advisors who have the responsibility to assist students in planning and completing an appropriate academic program.

The Academic Advisement/Mentoring Program, a component of the Center for Teaching, Learning and Academic Support, serves Basic Studies Academy students, Student Academic Assistance (Learning Support) students, limited admit students, undecided majors, nontraditional students with Student Academic Assistance requirements, transfer students with Student Academic Assistance requirements, and students with 50 credit hours or fewer returning from academic suspension. The advisement continues until they have completed their core curriculum courses (up to 60 hours), with the exception of (1) regularly admitted, undecided majors whose advisement through AAMP is terminated as soon as they declare their majors and (2) Basic Studies Academy and nontraditional students who are advised through AAMP until they have satisfactorily completed 30 hours in the core curriculum.

The Academic Advisement/Mentoring Program provides services to help students assess their interests and aptitudes. It provides students with a wide variety of support services, including an academic orientation to the University, an understanding of University policies and procedures, academic advisement, assistance in determining educational goals and career directions, and assistance in using University resources to fulfill their goals. In addition, every effort is made to pair students in the AAMP with a mentor during their freshman and sophomore years.

Academic deans provide general direction to the advising programs within the colleges, with department chairs coordinating activities within their respective areas and assigning advisors to regularly admitted students who have declared a major. Students are required to plan their academic program with their advisors' assistance and to obtain the advisors' approval of class loads each semester. Advisors provide counsel regarding the appropriateness of course selections and class loads as well as monitor student progress toward timely completion of a degree. In addition, advisors monitor the academic progress of advisees by making referrals to campus resources and academic labs, if needed, and assisting advisees in evaluating their progress. Advisors also help advisees make decisions about their academic careers based upon that evaluation.

Advisors of junior and senior students concern themselves specifically with the students' progress toward graduation and maintain a continually updated record of courses taken and grades received. Advisors also assist advisees in completing the application for graduation and certify, to the Registrar, that all requirements have been met prior to the preparation of the application.

COURSES AT OTHER COLLEGES

Savannah State University students who are concurrently enrolled in courses for credit at another institution may not transfer such credit to Savannah State unless the appropriate dean or his designated representative gives written authorization.

CLASS ATTENDANCE

Savannah State University endeavors to provide optimum conditions for student learning. Class attendance is, therefore, required of students to ensure that they will be exposed to the many classes, laboratories, and related experiences provided for their benefit. Extenuating circumstances may at times make it difficult for students to attend every class meeting. Students who are unable to attend a class should notify the professor in a timely manner and arrange the conditions under which any required work may be made up. Credit may or may not be awarded for any course if the number of absences exceeds the number of times that the class meets per week. Students who exceed the allowed number of absences in any course may receive a grade of "F" or be administratively withdrawn. Students who are withdrawn at or before mid-semester will receive a grade of "W"; students withdrawn after mid-semester will receive a grade of "WF" unless extenuating circumstances occur (see "Grading System"). Students may not withdraw from Academic Assistance (Learning Support) courses. Withdrawal from these courses results in an automatic cancellation of registration and withdrawal from the University. During the first week of each semester, professors will notify each class of the attendance policy, emphasizing what constitutes excessive absences and the penalty, therefore. Students may appeal any absence-related decision of a professor to the department chair, to the dean of the professor's college or director of the division, and ultimately to the Vice President for Academic Affairs.

SPECIAL POLICY FOR LIMITED SEATING CLASSES

Certain classes, such as computer lab classes, with limited seating are governed by a more stringent attendance policy. These classes are identified in the catalog and/or registration schedules as "limited seating classes." In these cases, **students must attend the first class session or notify the instructor immediately that they will be absent.** Failure to comply with these requirements may result in the immediate removal (withdrawal) from the class. The seat may be reassigned. When circumstances prevent their attending the first session, students are responsible for notifying instructors or the administrative unit head (department chair or dean of the professor's college). First day withdrawals will be assigned a grade of "W" by the instructor. Such withdrawals may also impact financial aid classification if students' academic load then falls below the required minimum.

THE REGENTS' TESTING PROGRAM

The Board of Regents of the University System of Georgia requires each institution of the University System to ensure that students earning a degree from that institution possess minimal skills in reading and writing. The Regents' Testing Program has been developed to provide this assurance. Currently, the objectives of the Testing Program are to provide system-wide information on the status of student competence in reading and writing and to provide a uniform means of identifying students who fail to attain minimum levels of competence in reading and writing. Students enrolled in undergraduate degree programs leading to the baccalaureate degree must pass the Regents' Test as a requirement for graduation.

Specific Policies

Students must take the test no later than the first semester of their sophomore year.

Students who have not previously taken the test must do so in their first semester enrolled after accumulating 30 credit hours.

Students transferring into the University with 30 or more credit hours from outside the university system (or from a system program that does not require the Regents' Test) should take the test during their first semester enrolled.

Students who have not successfully completed both the reading and writing portions of the test by the time they earn 45 credit hours are required to enroll in appropriate remedial course(s) during the next semester enrolled and take the test.

Exceptions

Students holding a baccalaureate or higher degree from a regionally accredited institution of higher education are not required to complete the Regents' Test to receive a degree.

Students whose native language is other than English must take the Savannah State University English Competency Test for International Students in lieu of the Regents' Test. (Such students are subject to the other provisions of the Regents' Test policy regarding eligibility and remediation.)

First semester-students meeting specific criteria (outlined in *the Regents' Examination Policy Manual*) may sit for the test during their first semester enrolled.

Remedial Program for the Regents' Test

"Appropriate remedial program" for the Regents' Test is defined as successfully completing English 0092 (Writing) and/or English 0093 (Reading) – depending on which portion of the test students have failed. Students must successfully complete the appropriate course before again sitting for the test.

Students sit for the test during the semester in which they complete the remedial course. Students who fail to do so will be re-enrolled in the remedial classes during the next semester enrolled. They must sit for the test that same semester.

All students whose unexcused absences exceed the number of credit hours for the course(s) will be administratively withdrawn from the University. In other words, their entire registration will be canceled for the semester.

Students who wish to appeal the policy of withdrawal should contact the office of Academic Advisement and Mentoring Program or their respective Deans' office for procedural information.

Students enrolled in one remedial course may register for no more than nine additional credit hours.

Students enrolled in two remedial courses may register for no more than six additional credit hours.

Students who fail to exercise these options are required to enroll in the appropriate remedial course in the next semester enrolled and are limited to register for no more than three additional credit hours (if one remedial course is required) or zero additional credit hours (if two remedial courses are required).

Savannah State University students who may be jointly enrolled at other System schools are required to take their Regents' test remedial courses at Savannah State University unless permission is otherwise granted by the Office of the Registrar with approval from the Coordinator of the Regents' Remedial Program in the Department of Humanities.

Student Responsibility

Students are responsible for complying with all policies regarding the Regents' Test. Failure to take the test at the designated time will result in disciplinary action ranging from reprimand to cancellation of registration or suspension, depending upon the severity of the noncompliance.

Essay Test Review Policy

The Regents' Test itself and the scoring criteria are not subject for review. Students may have their essays reviewed, but under review, scoring will follow the normal holistic procedure where three qualified readers review the essay and report their independent findings.

1. Students may request a formal review of failure on the essay component of the Regents' Test if that essay received at least one passing score among the three scores awarded and if they have completed English 1101 and 1102.
2. Students must initiate the review procedure by mid-term of their first semester of enrollment after the semester in which the essay was failed. The review must be initiated, however, within one calendar year from the semester in which the failure occurred.
3. The review will be initiated at Savannah State University. Students complete the "Request for Review" form available at the Office of the Regents' Test Coordinator. The Regents' Coordinator will determine the eligibility based upon the criteria in paragraphs 1 and 2 above. The review, if warranted, will be conducted by a three-member panel appointed by the Vice President for Academic Affairs or his designee and designated as the on-campus review panel.
4. The on-campus review panel may (1) sustain, by majority opinion, the essay's failing score, thus terminating the review process, or (2) recommend, by majority opinion, the re-scoring of the essay by the Regents' Testing Program central office. The Regents' Test Coordinator will notify students of the results of the on-campus review.

5. If the on-campus review panel recommends re-scoring of the essay, the Regents' Test Coordinator will transmit that recommendation in writing along with a copy of the essay, to the Office of the System's Director of the Regent' Testing Program.

The System's Director will utilize the services of three (3) professors experienced in scoring Regents' essays. These will be persons not involved in the original scoring. The decision of this panel on the merits of the essay will be final, thus terminating the review process. The Regents' Test Coordinator will notify the student of the results of the review.

6. All the applicable regulations of the Regents' Test Policy remain in effect for those students who essays are under review, including those regulations relating to remediation and to retaking the test.

Registration Procedures for the Regents' Exam

The Coordinator of Testing, whose office is located in Whiting Hall, will post the dates and times for administration of the Regents' Test each semester. Students should register for the Regents' test during the advisement and Registration period each semester. The Regents' Test schedule is included on the course schedule. Failure to take the test at the prescribed time will result in disciplinary action ranging from a reprimand to a suspension.

Score reporting for the Regents' Test

All student scores will be mailed to the address on file in the Registrar's Office.

UNIVERSITYWIDE TESTING PROGRAM

Tests administered at the University include Graduate Management Admissions Test (GMAT), Law School Admission Test (LSAT), Scholastic Aptitude Test (SAT I and II), American College Test (ACT), the College Level Examination Program (CLEP), the Collegiate Placement Examination (CPE), and COMPASS (Computer-Adaptive Placement Assessment and Support System).

Applications are available for the tests previously mentioned in addition to the Graduate Record Examinations (GRE), Medical College Admission Test (MCAT), the PRAXIS Series (Professional Assessments for Beginning Teachers), and the Test of English as a Foreign Language (TOEFL).

The Office of Testing at Savannah State University administers the required testing programs both to students who apply for admissions and those who are enrolled. Tests as required by the University System of Georgia which are administered by the Office of Testing include the COMPASS (The Computer-Adaptive Placement Assessment and Support System) as well as the Regents' Test, which is required for graduation. Savannah State University also serves as a national testing center for Educational Testing Services and the American College Testing program.

GRADES

GRADING SYSTEM

The University uses letters to indicate quality of academic work. "A" is the highest grade; "D" is the lowest passing grade, except when a "C" is required. Grade distinctions and quality points values are

Grade	Meaning	Point Value Per Credit Hour
A	Excellent	4
B	Good	3
C	Average	2
D	Poor	1
F	Failure	0
W	Withdrew	0
WF	Withdrew, Failing	0
I	Incomplete	0
P	Passing	0
S	Satisfactory	0
U	Unsatisfactory	0
IP	In Progress	0
V	Audit	0
K	Credit	0
NR	Not Reported	0

The grade "F" indicates a failure to meet the minimum requirements of a course.

Students who earn the grades of "D" or "F" in courses in Areas A and F of the core curriculum or in Student Academic Assistance courses must repeat these courses. Additionally, students who earn grades of "D" or "F" in major, minor, or professional education courses must repeat these courses.

The following grades are not included in determining the grade point average.

W (Withdrawal) — This symbol indicates permission to withdraw without penalty. Such withdrawals will not be permitted after the mid-semester point of the grading period (including final examinations), except when students in good standing are experiencing hardships as determined by the Vice President for Academic Affairs.

I (Incomplete) — This symbol indicates that students were doing satisfactory work, but, for non-academic reasons beyond their control, were unable to meet the requirements of the course. Students may remove the "I" by completing the remaining requirements within two semesters of residence; otherwise, the Registrar will change the grade of "I" to the grade of "F." Students are responsible for initiating the completion of requirements with the instructor.

S (Satisfactory) — This symbol indicates completion of requirements in Student Academic Assistance or the Regents' remediation course(s).

U (Unsatisfactory) — This symbol indicates failure to pass the Regents' Test and continued required enrollment in the Regents' remediation course(s).

IP (In Progress) — This symbol indicates satisfaction of Student Academic Assistance or Learning Support class work requirements but not of the Student Academic Assistance or Learning Support exit examination (CPE/COMPASS).

V (Audit) — This symbol indicates permission to sit for a course without receiving quality points or a grade other than “V.” Students may not transfer from audit to credit or vice versa. Students may register on a credit basis for a course that has previously been audited.

K (Credit) — This symbol indicates credit for the course via a credit by examination program approved by the faculty of the University. A “K” may be assigned for courses that have previously been audited if institutional procedures for credit by examination are followed.

NR (Not Reported) — This symbol indicates no grade reported by the instructor.

REPORTING OF GRADES

At mid-semester and at the end of the semester, faculty submit to the Office of the Registrar the grade reports for each class. At the end of each semester, students receive a grade report noting the grades and credit hours earned in each course in which they were enrolled, grade-point average for the semester, cumulative grade point average, and academic standing.

Mid-semester grade reports indicate deficiencies for students whose current work in a course is below the “C” level.

Students can access grade information on the Web “PAWS” www.savstate.edu. Information and directions to access the system can be obtained from the Registrar’s office of Office of Enrollment Management.

CALCULATING THE CUMULATIVE AVERAGE

Determinations of scholastic standing are generally based upon a cumulative grade point average, which appears on each student’s permanent record. The cumulative grade point average is calculated by dividing the total number of grade points earned in academic courses at Savannah State University by the total number of academic credit hours attempted at Savannah State University. Credits earned at other institutions, credits by examination, credits that carry S/U grades, institutional credits, and credits specifically excluded by University policy are not used in computing the cumulative grade point average. The University counts the last course grade hours, and quality points if a course is repeated. All grades remain on the transcript. Adjusted grade point averages are computed each semester. *High*

CLASSIFICATION

Students are classified on the basis of earned academic credit hours as follows:

- Freshman – ~~fewer than 30~~ 0 – 30
- Sophomore – 31-60
- Junior – 61-90
- Senior – 91 or more

Throughout the semester, students remain in their classification at the time of registration.

GRADE CHALLENGES BY STUDENTS

Students who feel that they have received an unfair grade in any course should meet with the instructor within 7 calendar days of the first day of class of the next semester (excluding summer) in an effort to reach a resolution. If no satisfactory resolution is reached, students may, within 7 days after meeting with the instructor, challenge the grade by writing a letter of appeal to the chair of the department in which the course was offered. If the instructor is also the chair of the department, the appeal letter should be addressed to the dean of the College in which the course was offered. This procedure must be accomplished within 14 days of the first day of classes of that semester. If a resolution satisfactory to the student is not reached, the department chair or college dean may appoint a review committee (exclusive of the dean, department chair, and the instructor). The review committee, after hearing both the instructor and the student, submits its report and recommendation(s) to the chair, dean, or director of division, who then submits the report and recommendation to the Vice President for Academic Affairs. Upon accepting a recommendation to change a grade or upon reversing a recommendation not to change a grade, the Vice President directs the Registrar to make the appropriate change. The Vice President or his designee shall communicate final decisions to students. In order for the department chair, dean, or director of division to grant a hearing, students must present adequate evidence of unfair grading.

CHANGES IN GRADES

Once a grade has been reported to the Registrar, it can be changed only under either of the following conditions:

- The instructor presents to the dean of the college conclusive, documentary evidence that the grade was reported in error;
- The instructor follows the procedure of removal of an I (Incomplete) grade; or
- A committee appointed to conduct a hearing of a student's challenge of a grade recommends a change, and the Vice President Academic Affairs accepts that recommendation.

TRANSCRIPTS

The transcript is considered the official document of record of student's grade while in attendance at the institution. In accordance with the Family Educational Rights and Privacy Act of 1974, as amended (FERPA), transcripts normally are issued only at the request of the student. This request must be in person or in writing, and accompanied by the appropriate fee of \$4.00 per transcript, and verified by some type of I.D. card and/or driver's license.

The institution has a legal right to deny transcripts if a student has indebtedness to the institution. The amount of indebtedness leading to this sanction will be dependent of the office of Student Accounts.

ACADEMIC PROBATION AND SUSPENSION

Savannah State University is designed for serious-minded students who can profit from an institution of higher learning. Students who fail to fulfill the scholarship requirements of the Institution are subject to scholastic discipline. At the end of each semester, the Office of the Registrar computes cumulative grade point averages in order to determine the academic standing of all students.

1. Students who earn a "D" or "F" in English 1101, English 1102, Math 1111, or Math 1113, or in any required major or minor course must repeat the course during the next semester they are enrolled.

Stages of Progress Semester Hours Attempted	Minimum Cumulative Grade Point Average
1-30	1.5
31-60	1.7
61+	2.0

Students whose cumulative grade average at the end of any semester is at or above the minimum grade point average for their appropriate stage of progress will be considered in *good standing*.

Students will be placed on *academic warning* when their cumulative grade point average falls below the minimum grade point average for their stage of progress.

Students on academic warning will be placed on *academic probation* if their grade point average is not raised to the satisfactory level for their stage of progress at the end of the semester of academic warning.

Students who do not achieve the cumulative grade point average for their stage of progress, but who do maintain a 2.0 grade point average during their probationary semester will *remain on probation for the next semester* of attendance.

Students who do not raise their grade point average to the minimum level for their stage of progress or who do not achieve a 2.0 grade point average during their probationary semester will be *suspended* from the University and **must reapply for admission**.

3. Students on probation can not register for more than twelve hours which is still considered a full load; (2) must repeat all courses in which they earned the grade of "F" if these courses are prescribed in their curriculum; (3) must repeat all courses in their major and minor concentration in which they earned a grade of "D" or "F"; (4) must repeat English 1101, English 1102, Math 1111, and Math 1113 if they earned the grade of "D" or "F" in these courses; (5) must report to their academic advisor for counseling immediately after being notified of probationary status, and (6) will not be permitted to represent the University or hold office in any university organization.
4. Students who do not remove probationary status within two semesters will be suspended for one semester unless they achieve a 2.00 average during the second semester of the probation period. Thereafter, these students will remain on probation as long as they continue to earn a 2.00 average for each semester of enrollment.
5. **Students who fail all of their classes during a given semester or who withdraw from all of their classes without an approved withdrawal from the University will not be permitted to enroll for the succeeding semester.**

6. Students will be considered for readmission after (1) semester following suspension.
7. Students will be required to submit an application to the Registrar's office to indicate their interest in returning to the institution.
8. Students who are interested in receiving Financial Aid, must submit an Appeal for Reinstatement of Financial Aid Form.
9. Students who have been readmitted will be required to enroll in the College Study Skills course (STUD 0198). They will also be required to maintain a 2.00 GPA at the end of their first semester back; however, those who maintain a minimum grade point average of 2.00 each semester may continue on probation. Failure to fulfill these conditions will result in dismissal.

After one year of suspension, those students who can convincingly demonstrate a change of attitude toward academic responsibilities may petition the Academic Committee of the University for readmission.

DEGREE AND GRADUATION REQUIREMENTS

APPLICATION FOR GRADUATION

All candidates for a degree must file a formal application for graduation with the Office of the Registrar. Candidates should apply two semesters preceding their expected graduation date. The Registrar will inform the academic departments when the application is filed. The department will conduct an audit and inform students of any remaining requirements. The Registrar conducts an independent audit to ensure that all degree requirements have been satisfied.

DUAL MAJORS

Students seeking a second major within the same degree program must complete the specific requirements for **both** majors. An application for the second major must be submitted to the Registrar's Office at least **one** year prior to graduation. Both majors will be noted on the transcript.

SECOND DEGREE

Students who have earned a baccalaureate degree from a regionally accredited institution may obtain a second baccalaureate degree from Savannah State University by completing the following requirements:

- Complete all major requirements listed for the chosen program of study.
- Earn at least **30** semester hours in residence at Savannah State University.
- **If the first baccalaureate degree was earned at Savannah State University, the required 30 hours must be in excess of any hours used towards the first baccalaureate degree.**

A minor area of study requires a minimum of **15** semester credit hours. At least **9** of these credit hours must be at the **3000** level or higher. To be noted on the transcript, a minor must be declared at least **one** year prior to graduation.

GRADUATION

Degrees will be awarded only to students who meet academic standards and residency requirements of an academic college. Degrees are conferred formally at commencement exercises at the end of the Fall and Spring Semesters.

GRADUATION WITH HONORS

Graduation with honors requires a minimum attendance period of four semesters and completion of at least sixty hours at Savannah State University. In addition, students who graduate with honors must attain the following grade-point averages the entire period of attendance:

Cum Laude	3.00
Magna Cum Laude	3.40
Summa Cum Laude	3.75

Due to processing and final evaluation time constraints, Spring Semester grades for May graduation and Fall Semester grades for December graduation will not be used in computing the GPA for honors. After May and December graduations, the GPA is rechecked for honors qualifications; the honors designation will then be added to the record of students who qualify.

GENERAL REQUIREMENTS FOR THE BACCALAUREATE DEGREE

1. A minimum of 120 semester hours, exclusive of the required health, physical education, and freshman orientation courses;
2. A scholastic average of 2.0 or higher;
3. Satisfactory completion of the minimum requirements of the Core Curriculum as outlined for Area A, B, C, D and E;
4. Satisfactory completion of core courses (POLS 1101 and HIST 2111 or HIST 2112) designed to give students proficiency in United States and Georgia history and government;
5. Satisfactory completion of the University System of Georgia Regents' Examination;
6. A prescribed college or departmental major (such as business administration, chemistry, or engineering technology) or a major of at least 30 semester hours in one department and a minor of 15-21 hours, with no grade below "C" in major, minor, or special subject requirements. (15-30 hours of major courses must be taken in residence at this university);
7. Residence of at least one year at Savannah State University (During their senior year, students are required to spend a minimum of 30 semester hours in residence); and
8. Completion of all the aforementioned requirements within eight calendar years. The University reserves the right to allow exceptions to the requirements when recommended by the chair of the department in which the student is majoring.

NOTE: Graduation requirements include a 2.00 minimum grade point average for undergraduate degrees. The computation of this graduation grade point average will include only the final attempt in courses that have been repeated. With the preceding exception, the grade point average will be computed in the manner prescribed in the Grading System and Calculating the Cumulative Grade Point Average sections of the general catalog. Credits earned at other institutions or by examination and courses with S or U grade are not used to compute the grade point average.

All incomplete grades for previous semesters must be received in the Office of the Registrar in writing thirty (30) days prior to graduation date or completion of academic requirements. Students are responsible for seeing that incomplete grades are properly recorded.

Students exempted from taking required credit hours of physical education courses must take the same number of credit hours of electives to replace graduation requirements for physical education.

EXIT EXAMINATIONS

As conditions of graduation, the University and academic departments may require students to take additional competency tests appropriate to their programs of study. Information relative to these tests is available in the academic departments.

Students failing to demonstrate required proficiency on any competency test may be required to complete additional courses to correct the deficiency. Courses required and completed under this provision may be with or without academic credit and may be required without regard to prior course credits in these disciplines.

SAVANNAH STATE UNIVERSITY HONORS PROGRAM

Purpose and Goals

The Savannah State University Honors Program maintains a community of academically talented students. It provides the students with opportunities for intellectual growth and for high achievement. The advantages of participation in the honors program are numerous, for the program is highly competitive and multi-faceted. The general education honors core is the same as the University's general education core; however, honors students study at an accelerated pace and have a myriad of activities on and off campus. Honors students are able to network with other students who are highly motivated. The program is designed to assist students in their preparation for graduate and professional study and ultimately to assume leadership roles.

Admission Requirements

Freshmen applicants for admission to the Savannah State University Honors Program must meet the following requirements:

- Rank in the upper 25 percent of their high school class and/or
- Achieve a minimum SAT I score of 900/GPA 3.5 or SAT I score of 1200+/GPA 3.30;
- Meet the general admission requirements of the University; and

- Have a strong college preparatory background in English, mathematics, and/or science.

Transfer students who wish to enter the Savannah State University Honors Program should apply to the director of the program. They should also present transcripts of their previous college work and any SAT I, ACT, and Advanced Placement Scores. However, since the core of the honors curriculum is offered in the freshman and sophomore years, transfer students should seek admission to the University as soon as possible.

Academic Requirements and Credit

Honors students are required to enroll in and successfully complete a minimum of 15 credit hours each semester. Students who do not maintain a cumulative grade point average of 3.50 or above will be placed on honors probation the following semester. If the standard is not met at the close of the probation period, the students will be suspended from the honors program, but they may appeal the decision through proper administrative channels and apply for readmission.

General Education Honors Core

Students in the honors program must complete a minimum of 10 hours in each honors core area—humanities, mathematics and science, and social science.

CAMPUS HONOR SOCIETIES

SOCIETY

Alpha Kappa Mu
Beta Beta Beta
Beta Kappa Chi
Pi Gamma Mu
Sigma Tau Delta
Tau Alpha Pi
Phi Alpha

ACADEMIC AREAS

All Areas
Biology
Sciences
Social Sciences
English
Engineering Technologies
Social Work

RECOGNITION OF EXCELLENCE IN SCHOLARSHIP

Persons who have not been subject to disciplinary action while earning superior grades and who have not incurred any academic deficiencies are eligible for honors status as indicated:

Students who maintain an average of “B” in a full program (12 hours) during a semester are eligible for listing on the Honor Roll.

Students who maintain an average of 3.50 or higher in a full program (12 hours) during a semester will have their names placed on the Dean’s List.

Students who maintain a 4.0 average in a full program (12 hours) are designated Presidential Scholars.

Students who maintain an average of 3.00 during any semester may obtain permission to take an overload during the following semester, the total not to exceed twenty hours.

CLASS REGULATIONS

Student Load — Undergraduate

The University policy governing semester academic course load for full-time status is as follows: freshmen (12 credit hours, minimum; 16 credit hours, normal; 17 credit hours, maximum), and sophomore, juniors, and seniors (12 credit hours, minimum; 16 credit hours, normal; 18 credit hours, maximum). Students are generally expected to enroll in at least 15 hours per semester.

Under ordinary circumstances students may enroll in courses up to but not in excess of fifteen (15) semester hours. Students who maintain an average 3.00 during any semester may secure permission to take additional hours during the following semester, the total not to exceed twenty (20) semester hours. **Exceptions to the 3.00 average may be made for students who are within two semesters of graduation. For these students, the total hours carried for credit may not exceed twenty (20).** Advisors must recommend this overload to the dean.

Student Load — Graduate

Full time load for graduate students is 9 credit hours; maximum load for graduate students is 12 credit hours. Students in the MSW Program are approved to take a maximum of 15 credit hours.

Overloads

Permission to enroll for more than 18 semester hours will be granted by the appropriate Dean to a student:

1. with an average grade of "B" for full-time enrollment in the preceding semester, or
2. with an overall grade-point average of 3.0 or
3. requiring an extra course in one of the two semesters prior to graduation

No student will be allowed to register for more than 20 hours. A student who is on academic probation will not be permitted to register for more than 13 semester hours. **Exceptions to these limitations may only be made by the appropriate Dean.**

Adjustment of Classes (Dropping)

Students desiring to adjust class schedules should secure the drop/add form from their academic department, obtain the signatures of instructors for the class(s) they are adding and/or dropping, and take the form to the Office of the Registrar. The last day to withdraw without penalty (W grade) is at mid-term of each semester. After that time, students who withdraw will be assigned a penalty grade (WF). The penalty grade is included in the calculation of semester grade point averages.

Withdrawing from the University

Students who feel that the circumstances require their withdrawal from the University may do so by filing the appropriate forms in the Office of the Vice President for Academic Affairs.

Students who withdraw after the mid-term of each semester (see Academic Calendar and the Semester Schedule of Classes) will receive the grade of "WF" except in cases of hardship as approved by the academic dean in consultation with the Vice President for Academic Affairs. Students should initially petition the Vice President for Academic Affairs for relief due to extenuating circumstances resulting in undue hardship.

Counselors, and advisors will counsel with the student in an effort to determine whether the circumstances are such that the University can provide a remedy, which will make it possible for the student to remain in school. If such remedy cannot be afforded, the Vice President of Academic Affairs will forward the appropriate forms to the offices of Financial Aid, Cashier, and Registrar.

Students who withdraw without giving formal notice will forfeit claims for any refunds.

The last day to withdraw from all classes for the semester will be the last day of scheduled classes.

STUDENT INFORMATION

ACCESS TO STUDENT RECORDS

Savannah State University is covered by the Family Educational Rights and Privacy Act of 1974, as amended (FERPA), which are designed to protect the students' rights with regard to education records maintained by the institution. Under the Act, students may inspect and review their own education records maintained by the institution that challenge the content of records (except grades which can only be challenged through the academic appeal procedure) on the grounds that they are inaccurate, misleading or in violation of privacy or other rights; and control disclosures from educational records with certain exceptions.

Savannah State University's policy on "Access to Student Records" complies with the provisions of FERPA. A copy of this policy and a copy of a summary of the FERPA regulations may be obtained in the Office of the Registrar. Students also have the right to file complaints with the FERPA Office of the Department of Education, Washington, D.C. 20201.

RELEASE OF DIRECTORY INFORMATION

Directory information will be treated as public information and generally will be available on all students and former students at the discretion of the University.

Directory information includes the students', date and place of birth, major field of study; height, weight, age, hometown, hobbies, participation in officially recognized activities and sports, general interest items of members of athletic teams, dates of attendance, degree applied for or received, honors and awards received, and previous educational institutions attended.

Students or parents of students who are under eighteen (18), may refuse to permit the release of any or all of the categories of directory information until the end of Spring Semester by submitting a written request to the office of the Registrar within ten (10) days of the beginning of any academic semester during which the students are enrolled. This time requirement is necessary to insure that directory information, which is withheld, is not included in the various university publications during the year. Of course, requests to withhold the release of directory information will be honored at any time, but the university cannot be reasonably certain that some directory information will not be released if the aforementioned time limits are not met. The student directory is usually published during the Fall Semester. Requests received after press time cannot be honored. Information from this and similar publications cannot be deleted after printing, and previously released information cannot be recalled.

Inquiries from news media about students or former students should be made to the Director of Communications. Due to the unpredictable nature and immediacy of media inquiries, notice cannot be given of media releases (non-athletic). Students or former students who wish to have directory information withheld should notify the Director of Communications prior to the anticipated date of any media inquiry.

CHANGE OF ADDRESS

Students are responsible for notifying the Office of the Registrar of any change in address. The mailing of notices to the last address on record constitutes official notification.

STUDENT ACADEMIC GRIEVANCE APPELLATE PROCEDURES (Disciplinary)

Original Jurisdiction

All student grievances of an academic nature in the University shall rest with the individual departments for a decision. Students may accept this decision or make an appeal. This step is handled by the Educational Policy Committee.

Right of Appeal

Appeals shall be available to every student in an academic grievance proceeding against the University. Within forty-five (45) working days, students must file the appeal with the department chair.

Appellate Procedure

When a decision of original jurisdiction has been rendered, the grievant shall have seven (7) working days to appeal this decision. All appeals shall be in writing and supporting documents presented to the dean of the college.

Within three (3) days, appellants shall be given, in writing, all charges upon which the original decision was based as well as all necessary information for the appellate hearing procedures. Appellants shall be guaranteed a speedy hearing, yet given adequate time to prepare their defense.

Jurisdiction of Appeal

The Vice President for Academic Affairs shall make the decision regarding all appeals. The Vice President shall have the prerogative of either creating a special committee or using an independent officer to assist in hearing the case.

Rights of Appellant

Grievants shall have the right to be present when all evidence is presented against them and all witnesses appear, have an advisor (non lawyer) present to assist throughout the proceedings, cross-examine witnesses, present evidence by witness or affidavit, and present evidence by deposition when a witness is unable to appear.

Hearing Procedures

A record shall be kept of the entire proceedings, either by tape or stenographer. The hearing will commence by a reading of the charges and the decision of the department of original jurisdiction. Evidence will be presented to sustain the decision.

Disciplinary Interim Suspension

A student who has been summarily suspended after mid-term of the semester pursuant to the *Savannah State University Student Conduct Code* pending the outcome of a disciplinary hearing will not be eligible for withdrawal from the University until the final disposition of the case. Should the student be found guilty of violating the Student Conduct Code or plead "no contest," the student will receive failing grades from the date of the summary suspension and forfeit the semester. Should the student be found not guilty, the Vice President for Student Affairs will provide written notification to the Vice President for Academic Affairs of the disposition. Should the student desire to withdraw, the Vice President for Academic Affairs will accept a petition from the student and grant an automatic withdrawal without penalty and forward the withdrawal approval to the appropriate offices.

VETERANS, DISABILITY, AND WAR ORPHANS' BENEFIT

Savannah State University maintains a veterans coordinator in the Office of the Registrar to certify and assist students who are eligible for veterans benefits and to coordinate veterans affairs.

Veterans who wish to attend Savannah State University under any of the veteran's benefits programs provided by public law should apply to the Savannah State University Office of Admissions in the normal manner. It is advisable for veterans who have not previously used any educational benefits to apply to the Veterans Affairs (VA) Regional Office for those benefits, and for veterans who will be transferring to Savannah State from another institution where educational benefits were received to process a "Request for Change of Program or Place of Training" form with the VA Regional Office concurrently with their application to Savannah State University. As soon as the Savannah State University Office of Admissions notifies applications of their acceptance to the University, applicants should contact the SSU veteran's coordinator for further instructions.

Although additional information is contained on the application for benefits and the informational sheet, which must be completed in the Office of the Registrar, veteran students should pay particular attention to the following:

1. Veterans may be certified for benefits only after having been accepted to and while attending in a designated degree program (except for students enrolled in Student Academic Assistance or Learning Support) in certain certification programs. Students classified as non-degree (ND), post-graduate (PG) or post-baccalaureate (PB) will not be certified for benefits while attending in those classifications, unless enrolled in an approved certification program.
2. Students may be certified for only those courses that apply to their formal and designated degree objective. Certain required remediation and/or prerequisite courses may be certified for benefits, but only if those courses are specifically required of the student, and the requirement is appropriately documented in the Office of the Registrar.
3. Students receiving benefits are required to notify the veterans coordinator whenever their attendance in a course or program is interrupted, or whenever the students formally change degree objectives. Failure to do so may result in an overpayment of benefits. Students are liable for overpayments.
4. Students may not be certified for repeated courses unless the repetition is required by academic policy which is specified in the University catalog.
5. Savannah State University defines a normal full-time load for undergraduate students as 12 semester hours. Undergraduate students who carry fewer than 12 semester hours will not be certified as full-time.
6. Continuing students who wish to continue to receive benefits must renew their certifications through the veteran's coordinator each Fall and Spring Semester. Students whose attendance was interrupted must renew their certifications at the beginning of the next semester of attendance in which they wish to receive benefits. Student Academic Assistance or Learning Support students, active duty military personnel, and students attending on a less-than-half-time basis must renew their certifications each semester. These students who are certified on a semester basis will routinely experience a break in benefit payments between terms and should contact the Veterans Administration Regional Office to ascertain the amount and schedule of their checks.
7. Veterans with discharges (DD-214) are exempted from taking physical education (P.E.) courses. They can provide copies of their DD-214 and receive up to 4 credit hours of P.E. Veterans should be prepared to pay their own tuition and fees if they have not applied for advance pay at least 40 days prior to the beginning of the semester.

FINANCIAL AID

APPLICATION FOR FINANCIAL AID

Students applying for financial aid must complete the Free Application for Federal Student Aid (FAFSA) or the renewal FAFSA if they have received aid before from the Federal Student Aid Programs. They must answer all questions on the form and list Savannah State University as one of the institutions they plan to attend. In approximately four weeks, they will be mailed a Student Aid Report (SAR). FAFSA on the web is available at www.fafsa.ed.gov

Students are expected to provide documents, records, and materials promptly. Their files must be complete by April 15 to get priority consideration for financial assistance, and they must be admitted to the University.

Deadlines for processing financial aid applicants are as follows:

- Fall Semester - June 1
- Spring Semester - November 1
- Summer Semester - April 1

Students who fail to submit paperwork by the deadline will not be awarded financial aid for the particular semester and may become ineligible to receive certain funds from a particular program.

FEDERAL FINANCIAL AID PROGRAMS (TITLE IV PROGRAMS)

The Office of Financial Aid administers the following U.S. Department of Education student financial aid programs: Federal Pell Grants, Federal Direct Loans, Federal Supplemental Educational Opportunity Grant (FSEOG), Federal Work Study (FWS), and Federal Perkins Loans. State of Georgia programs administered by the Office of Financial Aid include the Student Incentive Grant Program and the HOPE Scholarship Program.

In order to be eligible, students must have financial need, have earned a high school diploma or a GED certificate, be a U.S. citizen or eligible non-citizen, have a valid Social Security Number, make satisfactory academic progress, register with Selective Service if applicable, not be in default on a student loan, and not owe a refund on a previous federal student grant.

Federal Pell Grant

Undergraduate students who have not earned an undergraduate or professional degree are eligible for Pell Grants. These grants provide a foundation of financial aid to which other aid may be added. Savannah State University's Office of Financial Aid requires that all students seeking financial aid apply for the federal Pell Grant.

Federal Supplemental Educational Opportunity Grants

The Supplemental Educational Opportunity Grant (FSEOG) is for undergraduates who have exceptional financial needs. These include students with the lowest Excepted Family Contributions (EFCs), and gives priority to students who receive federal Pell Grants. The average yearly award ranges from \$300 to \$1,500.

Federal Work-Study

The Federal Work-Study Program provides jobs for undergraduate and graduate students with financial needs. The program encourages community service work and work related to the students' course of study.

Federal Perkins Loan

A Perkins Loan is a low-interest (5%) loan for both undergraduate and graduate students with exceptional financial needs. Repayment for this loan begins six months after enrollment at the University ends.

Federal Direct Loan

Low-interest loans for students and parents (PLUS) are available through the Federal Direct Student Loan Program. Under this program, the federal government makes loans directly to students and parents through schools.

First-time borrowers in the student loan program at Savannah State must attend a loan counseling session before any loan funds can be credited to their account or disbursed to them. Loan counseling sessions are held each Wednesday at 10:00 a.m. and 2:00 p.m. All borrowers are required to show proof that they attended a loan counseling session before the cashier's office will release loan funds.

HOPE Scholarship Program (Helping Outstanding Pupils Educationally)

The HOPE Scholarship provides funds for tuition, fees and books. Students eligible to receive a HOPE scholarship must have graduated from high school with a grade point average of 3.0, continue to maintain a 3.0 at a Georgia college or university, apply for a federal Pell Grant, meet Georgia residency requirements, be a U.S. citizen, meet selective service registration requirements, not be in default or owe on federal or state financial aid, and maintain satisfactory academic progress. Also, they must have a completed file in the Office of Financial Aid by mid semester of the term in which they expect to receive payment; otherwise, payment will not be made for that particular semester.

Institutional Work Program

The Savannah State University student employment program helps students locate part-time employment within various departments on campus.

Scholarships

Savannah State University offers scholarships to students from private, federal state and university-funded sources.

Approximately 75 funds and their award criteria are summarized in a scholarship brochure, which students may obtain from the Office of Admissions, the Office of Institutional Advancement, or their respective colleges. In addition, students may visit the Office of Institutional Advancement, to inquire about other special scholarship programs such as the Presidential Scholarship, which is based on grades, test scores, citizenship, and exemplary leadership qualities.

While scholarship applications are accepted throughout the year, December 31 is the official application deadline to be considered for an award during the following academic year. The SSU Scholarship Committee reviews applications and announces scholarship awards in February.

Applications are available in the offices of Admissions and Institutional Advancement. For more information, call (912) 356-2286.

Athletic scholarship information is available through the Athletic Department at (912) 353-5181.

ROTC Scholarships

Army and Navy ROTC Scholarships are available. The Captain of the Army ROTC Program at (912) 356-2440 and/or the Commander of the Navy ROTC Program (912) 356-2206 can provide information regarding these scholarships.

Savannah State University's Policy for Determining Student Withdrawals

In compliance with the Higher Education Amendments of 1998, Public law 105-244, Savannah State University will begin implementing these new provisions effective October 7, 2000. The current provisions require all schools participating in the SFA Programs to use specific refund policies when a student who receives SFA Program funds ceases attendance. In addition, the current provisions specify an order of return of unearned funds from all sources of aid, not just the SFA Programs.

Unofficial Withdrawals: If a student does not begin the withdrawal process or otherwise notify the university of the intent to withdraw, the withdrawal date will be the midpoint of the payment period for which SFA Program assistance was disbursed or a later date documented by the university.

Official Withdrawals: A calculation will be made on all financial aid recipients to determine whether a student who completely withdraws during a term has "earned" the monies disbursed. A student "earns" his/her aid based on the period of time they remain enrolled. During the first 60% of the term a student earns financial aid funds in direct proportion to the length of time the student remained enrolled. Beyond the 60% point all aid is considered earned. The responsibility to repay "unearned" aid is shared by the Institution and the student in proportion to the aid each is assumed to possess. For more details concerning withdrawals by students with financial aid, please contact the Office of Student Financial Aid.

SATISFACTORY ACADEMIC PROGRESS (SAP) GUIDELINES FOR STUDENT FINANCIAL AID

Savannah State University is required by the U.S. Department of Education to establish minimum standards of Satisfactory Academic Progress (SAP) to include quantitative and qualitative measurements. The Office of Financial Aid will measure students' SAP once each year at the end of the Spring Semester. The following policy is effective for semesters beginning on or after Summer Session 1999. An academic year consists of a Fall/Spring combination – i.e., Fall Semester 1999 and Spring Semester 2000.

Satisfactory Academic Progress standards will be measured at the completion of each Spring Semester and the new status is effective with the following Summer Session.

Requirements

Part-time and Full-time Undergraduate Students

1. Must successfully complete at least the percentage of hours attempted according to the scale below. Hours attempted include courses with a grade of "W", "F" and all accepted transfer hours.

2. Must maintain the minimum cumulative grade point average according to the scale below.

Attempted Hours	% Earned Hours	Minimum Cumulative GPA
1-30	10%	1.50
31-59	30%	1.75
60-90	50%	2.00
91-180	70%	2.00
Graduate 1-54	70%	3.00

Financial Aid Suspension

Failure to meet or exceed the SAP standards will result in suspension from financial aid eligibility until such time as the student fulfills the requirement listed in items 1 and 2. During a period of suspension, the student is not eligible to receive Title IV aid.

Time Frame

Undergraduate financial aid applicants (including transfer students) enrolled in a four-year degree program have a maximum of 180 credit hours attempted of undergraduate work to complete their bachelor's degree requirement.

Students pursuing a second bachelor's degree will have an extension of 66 credit hours attempted beyond the maximum 180 credit hour limit to complete their second bachelor's degree.

Graduate financial aid applicants enrolled in a Master's program have a maximum of 54 credit hours attempted to complete their degree requirements.

Eligible Student Academic Assistance or Learning Support students may receive aid for one academic year's worth of credit hours.

Appeal of Financial Aid Suspension

A student wishing to appeal financial aid suspension must do so in writing with appropriate documentation.

CLASSIFICATION OF COURSES

Courses are numbered as follows:

<u>Student Status</u>	<u>Number Range</u>
Institutional	0001-0199
Freshman	1000-1999
Sophomore	2000-2999
Junior	3000-3999
Senior	4000-4999
Graduate	5000 or higher

CREDIT COURSE DESCRIPTION

Under each course title, there are three numbers, such as 3-0-3. The first number listed is the number of hours of lecture; the second number indicates the number of hours of laboratory; and the third number indicates the number of credit hours awarded for successful completion of the course.

CORE CURRICULUM

All students, regardless of major, who are enrolled for the first time in the Fall Semester of 1998 or later must complete the University's core curriculum. The core curriculum consists of sets of specific courses drawn from across the University's curriculum which are usually completed prior to undertaking major field preparation. Students who enrolled prior to the Fall of 1998, and who have not completed the quarter hour core curriculum must complete the new core curriculum. Quarter hour courses completed will be converted to semester hours and credited to the students' total requirements were reasonably equivalent. Students will then complete the remaining hours in the new core curriculum.

CORE CURRICULUM GRID

All students should complete the sixty hours of core curriculum requirements during their first two years of enrollment and prior to their enrollment in their major classes, exclusive of those specified in Area F (courses appropriate to the program of study) of the core.

In addition to the sixty hours in Areas A, B, C, D, E, and F, students will also complete five additional hours of required courses.

Area A—Essential Skills9 hours

ENGL 1101 English Composition 1 . . . . .	.3
NGL 1102 English Composition 2 . . . . .	.3
MATH 1111 College Algebra . . . . .	.3 <i>(for non-science majors)</i>
MATH 1113 Pre-calculus . . . . .	.3 <i>(for science majors)</i>

(Because these are "essential skills," all courses in this area must be completed with a grade of "C" or higher.)

Area B—Institutional Options4-5 hours

(Students majoring in the sciences must complete four hours; others will complete five hours.)

Hist 1501 African American History and Contemporary Issues . . . . .	.2
SPEH 1101 Principles of Speech . . . . .	.1
HUMN 1101 Critical Thinking . . . . .	.2 <i>(for non-science majors)</i>
HUMN 1102 Critical Thinking in Science1 <i>(for science majors)</i>

Area C—Humanities/Fine Arts6 hours

HUMN 2011 Humanities3
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Choose one of the following:

ARTS 1101 Introduction to Visual Arts3
MUSC 1101 Introduction to Music3
THEA 2101 Introduction to Theater . . . . .	.3
ENGL 2111 World Literature I . . . . .	.3
ENGL 2112 World Literature II . . . . .	.3

Area D—Science, Math and Technology10-11 hours

Students will choose Option I or Option II, depending on their major:

Option I—Non-science Majors (10 hours)

CISM/CSCI 1130 Computer Applications3 (3-0-3)

Choose one of the following:

Biology 1103 and 1103L General Biology4 (3-2-4)

Biology 1104 and 1104L Human Biology4 (3-2-4)

ISCI 1101 Integrated Science I3 (3-0-3)

Choose one (3 hours) & one-lab (4 hours) science course from the following:

ISCI 1101 Integrated Science I3 (3-0-3)

ISCI 1111K Integrated Science II4 (3-2-4)

BIOL 1103 and 1103L General Biology I4 (3-2-4)

BIOL 1104 and 1104L Human Biology II4 (3-2-4)

CHEM 1101K Introduction to Chemistry4 (3-3-4)

PHSC 1011K Physical Science I4 (3-2-4)

PHYS 1111K Introductory Physics I4 (3-2-4)

Option II—Science Majors (11 hours)

CISM/CSCI 1130 Computer Applications3

Choose one of the following sequences:

BIOL 1107 and 1107L Principles of Biology I4 (3-2-4)

BIOL 1108 and 1108L Principles of Biology II4 (3-2-4)

CHEM 1211 and 1211L Principles

of Chemistry I4 (3-2-4)

CHEM 1212 and 1212L Principles

of Chemistry II 4(3-2-4)

PHSC 1011K Physical Science I4 (3-2-4) and

PHSC 1012K Physical Science II4 (3-2-4)

PHYS 1111K Introductory Physics I4 (3-2-4) and

PHYS 1112K Introductory Physics II4 (3-2-4)

PHYS 2211K Principles of Physics I4 (3-2-4) and

PHYS 2212K Principles of Physics II4 (3-2-4)

Area E—Social Sciences12 hours

POLS 1101 American Government3

POLS 2401 Global Issues3

Choose one of the following United States history courses:

HIST 2111 A Survey of U.S. History to
the Post-Civil War Period

or3

HIST 2112 A Survey of U.S. History from

Post-Civil War Period to the Present3

Choose one of the following:

HIST 1111 A Survey of World History to

Early Modern Times3

HIST 1112 A Survey of World History from

Early Modern Times to the Present3

SYC 1101 Introduction to General Psychology3

ANTH 1102 Introduction to Anthropology3

GEOG 1101 Introduction to Human Geography	3
SOCI 1101 Introduction to Sociology	3
ECON 2105 Principles of Macro-Economics	3

Area F—Courses Appropriate to the Program of Study 18 hours

These requirements vary according to which major program a student selects. See listings for major programs of study for these requirements.

Additional Requirements 5 hours

FRES 1101 Freshman Year Experience I	1
FRES 1102 Freshman Year Experience II	1

One of the following two-hour courses: 2 hours

HEDU 1101 Concepts in Healthful Living	2
HEDU 1111 Physical Fitness for Life	2
HEDU 1201 Physical Activity and Stress Management	2
HEDU 1211 Physical Activity and Body Composition	2

One of the following one-hour courses: 1 hour

HEDU 1301 Weight Training	1
HEDU 1401 Physical Conditioning	1
HEDU 1501 Modern Dance Techniques	1
HEDU 1511 Modern Dance Performance	1
HEDU 1521 Aerobic Dancing	1
HEDU 1601 Swimming I	1
HEDU 1611 Swimming II	1
HEDU 1621 Aqua Dynamics	1

Total Hours Required in the Core Curriculum 65 hours

STATE REQUIREMENT IN HISTORY AND GOVERNMENT

By State law, students who receive a diploma or certificate from a school supported by the State of Georgia must demonstrate proficiency in United States history and government and in Georgia history and government. Students at Savannah State University may demonstrate such proficiency by receiving credit in certain courses: United States and Georgia government POLS 1101 for United States and Georgia government; HIST 2111 or 2112 for United State and Georgia history.

MAJOR CURRICULUM

In addition to the required core curriculum, which is usually completed in the first two years of college attendance, students will select a major field of study that focuses attention during the second two years of study. Area F of the core curriculum (courses appropriate to the field of study) provides a foundation for the major field of study and should be completed prior to students' undertaking major courses. Plans and requirements for the various major programs are detailed in the sections of this catalog, which describe the University's three colleges.

MINOR CURRICULUM

While students are all required to complete the core and a major curriculum, completing a minor program is an additional option. A minor consists of a set of 15-17 credit hours in a specific field of study. Some major programs require students to complete formal minor programs while others do not. Formal minor programs are established in a variety of fields. Requirements are listed in this catalog along with the departments sponsoring them. Informal minors may be developed by acquiring any set of 18 credit hours of upper-division course work in any field for which such work is offered. Students often find that completing a minor curriculum is a valuable professional asset for use in the highly competitive world following graduation.

Savannah State University students may pursue a minor in education in conjunction with the following academic fields: English, mathematics, political science, history, criminal justice, sociology, biology, and chemistry.

Also, students whose major departments offer no minor or do not allow the minor in education may take courses that constitute the equivalent of a minor through additional course work. An education minor does not satisfy the requirements for teacher certification in Georgia, but enables students to complete 18 hours of the professional education courses required for certification. Teacher certification programs also are offered at Savannah State University. Students should contact their academic departments with specific questions regarding education minors or certification. Savannah State University offers education courses in collaboration with Armstrong Atlantic State University.

STUDENT AFFAIRS

STUDENT AFFAIRS AND STUDENT SERVICES

CENTER FOR STUDENT DEVELOPMENT

CENTER FOR LEADERSHIP AND CHARACTER DEVELOPMENT

STUDENT HEALTH SERVICES

CENTER FOR RESIDENTIAL SERVICES AND PROGRAMS

CENTER FOR STUDENT PROGRAMS AND ORGANIZATIONS

STUDENT ACTIVITIES AND ORGANIZATIONS

STUDENT CONDUCT

Violation of Student Conduct

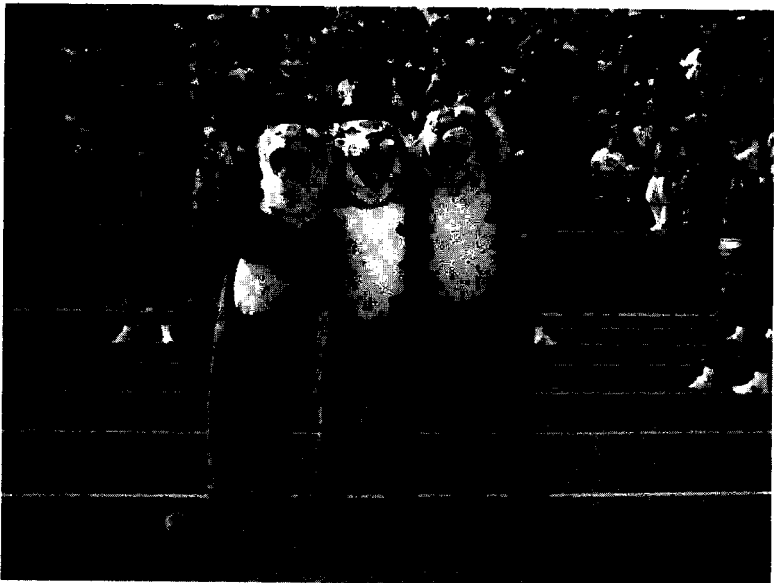
Policy on Drugs and Weapons

Disciplinary Procedures

Rights of Accused

Basis for Review (Appeal to President)

Appeals to Board of Regents



STUDENT AFFAIRS

DIVISION OF STUDENT AFFAIRS

Central to the Division of Student Affairs is enhancing the holistic educational experience of students by providing educationally purposeful services and programs that bridge classroom learning with out-of-class experiences. As such, the primary focus of the Division of Student Affairs is to provide opportunities (e.g., activities, programs, resources, and well-maintained facilities) and to create environments that support the achievement of the university's educational goals. The quality of student life, however, depends on the extent to which students take advantage of what the university offers for their personal learning and social enrichment. Students can be assisted in this important task through the units that comprise the Division of Student Affairs.

CENTER FOR STUDENT DEVELOPMENT

The Center for Student Development offers counseling to enrolled students at the university. These services include, but are not limited to, personal, career, and social counseling in an individual or group basis. In some cases, the center makes referrals to other local services. Additionally, the center provides services to students seeking full and part-time employment, experiential learning opportunities, and graduate school information. Finally, cooperative education, which is a partnership program that provides opportunities for students to supplement classroom learning with work experience in order to be better prepared for meaningful careers, is administered by the center. Other programs administered through the center include:

- Career Fairs and Seminars;
- Web Job Listings;
- Resume Critiques; and
- Disabled Student Services.

CENTER FOR LEADERSHIP & CHARACTER DEVELOPMENT

The development of leadership skills is a desired educational outcome at the university. As such, the university, through the Office of Student Affairs, has established the Center for Leadership & Character Development. The Center, which is sponsored by Title III funds, focuses primarily on developing student leadership, character development, and service through seminars, institutes, retreats, and workshops. The Center itself is located in the Office of Student Affairs suite; it houses dozens of books and audio tapes on leadership, personal development, career development, and service learning. Typically, the Center engages in three major leadership programs, specifically in the fall, winter, and spring. Previous programs included: (1) the Fall Character- and Values-Based Leadership Retreat, (2) the Diversity Education & Exchange Project, and (3) the Rites of Passage Leadership Program. All students are encouraged to utilize the Center. Students should be mindful that the major leadership programs are limited to small numbers of students.

STUDENT HEALTH SERVICES

All full-time undergraduate and graduate students pay a student health fee that covers the unlimited use of student health center services without additional cost. The Harris-McDew Student Health Center is conveniently located on the SSU campus on Jasmine Avenue adjacent to Payne Hall. It seeks to maintain, improve, and safeguard the health of students. Services provided include:

- Medical and nursing examination and care;
- Alcohol and Drug Awareness Resource Center;
- Limited pharmacy services;
- Information, consultation and referrals;
- Wellness and wholesome mental and physical health habits programs;
- Day beds for temporary observation and care; and
- Personal counseling.

The center, which is staffed by nurses, is open Monday through Friday. Additionally, a physician is available Monday through Fridays. A resident student suffering from an injury or sudden illness during hours when the health center is closed should contact the resident hall staff, resident assistant, or campus police. An ambulance or paramedic unit may be dispatched to campus for an immediate evaluation or transportation to the hospital as needed. Students are responsible for the cost of all services provided by any other community health care provider.

All students are encouraged to be covered by an adequate health insurance plan and should follow its directions for emergency or crisis care. Information on a current student health insurance plan is maintained in the student health center. Participation in the student health insurance plan is voluntary and the student is responsible for the cost.

CENTER FOR RESIDENTIAL SERVICES & PROGRAMS

The Center for Residential Services and Programs provides comfortable, affordable, and secure residential communities located throughout campus. In particular, the university has traditional residence hall facilities and an apartment-style facility, which is for upper-class-level students. Residence life programs promote academic success, student development, and leadership. For a greater understanding of residence life at the university, students are encouraged to read the Residence Hall Student Handbook, which is available in the Office of Housing & Residence Life.

RESIDENCE HALLS

There are five residence halls at Savannah State University. Assignment to living areas is based on sex and classification.

Residence on campus complements classroom instruction. There are certain regulations in place to ensure that the living/learning processes of students are maintained. Such regulations can be found in this catalog and publications distributed by the Office of Student Affairs and the Office of Residence Life.

Freshmen from outside the Chatham County area are expected to reside in the residence halls of Savannah State University. Students are required to apply for housing at the beginning of the academic year, summer school, and any semester that is preceded by a break in continued residence. Room assignments are made for the academic year. Students in double occupancy, who have not contracted for single occupancy and who do not have a roommate, or change rooms. Students who had assigned roommates and the roommate did not occupy their assigned space or withdrew from campus housing within a month of the end of registration for a term must also adhere to the room consolidation requirements. Any room changes must be approved in writing by the Office of Residence Life and be completed within five days after notification to consolidate. Individual students remaining in a double occupancy room will be automatically charged and legally obligated to pay a prorated single room rate. These students may contract for a double occupancy room as a single for the remainder of the current semester only.

Students are expected to clear housing at the end of spring and summer semesters, if they do not plan to return, or if they graduate. Before vacating their assigned rooms, all students must complete a clearance form and must obtain the signature of the Resident Hall Director or the Resident Assistant (RA).

Students who live in residence halls are required to purchase a 20-meal-per week meal plan. Students who have a diet prescribed by a physician may be exempted only if the University cafeteria is unable to prepare the diet meals. Hot plates and other cooking devices are prohibited in the residence halls. Prohibited items found in rooms will be confiscated; students who violate cooking policies will be charged a fine.

Room Reservation/Damage Deposit

A student who falls under the University Campus Housing Policy cannot be assigned or occupy a room until the Office of Residence Life receives his/her Residence Hall Contract and Room Reservation/Damage Deposit. These regulations are applicable to all students insofar as space is available in the University's residence halls. An application for campus housing is to be submitted AFTER the student receives an official acceptance to Savannah State University from the Office of Admissions. Submission of a Residence Hall Application does not guarantee housing. A \$100.00 Room Reservation/Damage Deposit must accompany each housing application before an application can be processed and a room assigned. The Room Reservation/Damage Deposit is a damage fee and a guarantee of contract fulfillment. It is not applied towards room and board payments.

Housing Application Deadlines:

(Deadlines are prior to the beginning of the term)

Fall Semester	July 1
Spring Semester	December 1
Summer Semester	May 1

Full refund of room reservation/damage deposit is granted UPON WRITTEN REQUEST if room cancellation is postmarked thirty (30) days prior to the start of any semester.

CENTER FOR STUDENT PROGRAMS & ORGANIZATIONS

The Center for Student Programs and Organizations is responsible for enhancing student life through co-curricular activities, which are an integral part of the physical, social, emotional, spiritual, and intellectual growth of students. Student activities at Savannah State University consist of:

- Clubs and Organizations
- Game Room and Recreational Activities
- Movies
- Campus-wide and Informal Activities
- Departmental Activities

Student organizations provide opportunities for students, faculty, and staff to interact with one another during cultural, recreational, spiritual and social activities either in formal or informal settings.

The Student Government Association (SGA), which is the official representative of the student body, works closely with the university administration on matters related to student life. Other organizations that are recognized at the university include:

- Honor Societies
- Professional and Departmental Organizations
- Fraternities and Sororities
- Service Clubs and Organizations
- Student Leadership Development

Organizations

Achievers of Today and Tomorrow	Criminal Justice Club	Mathematicians In Training
African Student Association	DC and Beyond	Minority Student Association
All Walks of Life (AWOL)	Dance Ensemble	NAACP
Alpha Kappa Alpha Sorority, Inc.	Delta Sigma Pi	National Association of Black Accountants
Alpha Phi Alpha Fraternity, Inc.	Delta Sigma Theta Sorority, Inc.	Nontraditional Student Association
American Chemical Society	Environmental Science Club	NROTC
American Society of Civil Engineers	Freshman Class	Omega Psi Phi Fraternity, Inc.
Art Club	Graduation Association of Public Administration (GAPA)	Pan-Hellenic Council
Beta Beta Honor Society	History Club	Peer Counselors
Beta Kappa Chi Scientific Society	Institute of Management Accountants	Phi Alpha Delta Law Fraternity
Black Men With A Mission	International Students Association	Phi Beta Lambda
Blue and Gold Society	Junior Class	Phi Beta Sigma Fraternity, Inc.
Bowen-Smith Hall Council	Kappa Alpha Psi	Players by the Sea
Cheerleading Squad	Marine Science Club	Pre-Law Club
Choral Music Society	Master of Social Work (MSW) Student Organization	Pre-Med Club
Christian Student Union	Mass Communication Club	Resident Assistants

Science Student Alliance	Sociology Club	Tiger's Roar Newspaper
Semper FIDelis	Sophomore Class	Tiger Yearbook Staff
Senior Class	SSU Dance Ensemble	University Queen
Sigma Gamma Rho	SSU Marching Tiger Band	Coalition
Sorority, Inc.	SSU Quiz Bowl Team	Wesleyan Gospel Choir
Social Workers Association	Student Government	Zeta Phi Beta Sorority, Inc.
Social Workers of Tomorrow	Association	

Please refer to the Student Handbook for an update on student clubs and organizations.

STUDENT ORIENTATION

The Director of Student Programs and Activities supervises the orientation program which is designed to assist new students in becoming acquainted with other students, University regulations, routine procedures, campus traditions, opportunities for training, and specialized vocational guidance. The program concentrates on all freshmen and new students entering the University. Orientation includes placement testing, academic advisement and pre-registration. Activities typically include a dance, dinner cabaret, breakfast singing contest, and get acquainted luncheon and picnic on the campus circle. New students who are over the age of twenty-five have the option to attend a mini-orientation generally held in mid-August.

Two follow-up courses dealing with the psychology of human relationships, required of freshmen and transfer students, are designed to facilitate the process of total adjustment to university life and to guide students' thinking in reference to the social forces that affect them daily. These courses are designated Freshman Year Experience I and Freshman Year Experience II.

Fraternities and Sororities

The national fraternities organized on the campus include Alpha Phi Alpha, Alpha Phi Gamma (journalism), Alpha Phi Omega (service), Kappa Alpha Psi, Phi Beta Sigma, and Omega Psi Phi.

The national sororities organized on the campus are Alpha Kappa Alpha, Delta Sigma Theta, Sigma Gamma Rho, and Zeta Phi Beta.

These organizations sponsor rich and varied programs designed for intellectual and social development.

Honor Societies

A number of national honor societies are active on campus, also (see Savannah State University Honors Program).

INTERCOLLEGIATE ATHLETICS

Savannah State University holds membership in the National Collegiate Athletic Association (NCAA) Division I and participates in the following sports: football, baseball, basketball (men and women), cross-country (men and women), tennis (men and women), track and field (men and women), and volleyball (women only), golf (men), and softball (women).

Qualified instructors in health, physical education, and recreation provide training in the several aspects of the required activity program. Recreational activities, social dancing, swimming, and free exercise activities are encouraged and centered in this area. The area makes every effort to provide wholesome recreational activities for all students.

INTRAMURAL SPORTS & WELLNESS PROGRAMS

The Intramural Sports and Wellness Program (ISWP) is designed to foster both competitive and leisure sports and fitness activities for both men and women. Activities usually include, but are not limited to, basketball, volleyball, softball, and flag football. The goals of the ISWP Office are to:

1. Provide students, faculty, and staff the opportunity to participate in a variety of structured sports and recreational activities and
2. Provide all participants with a safe and enjoyable environment in which to participate in activities.

Participants are required to fill out a Student Waiver Form with the ISWP Office. Activities may be facilitated by the accessibility of campus facilities and equipment.

CULTURAL ACTIVITIES

To complement formal education on the campus, the University provides many activities for cultural enrichment. Student assemblies, motion pictures, lectures, art exhibitions, drama productions, forums, hobby groups, and tours contribute to the general enrichment of the University community.

The Lyceum Committee brings to the campus renowned lecturers and concert artists. The Office of the President sponsors the President Enhancement Lecture Series and the Office of the Vice President for Academic Affairs sponsors the Academic Affairs Lecture Series. All students are encouraged to attend these formal activities, which afford inspiring association with outstanding personalities.

The Department of Liberal Arts and Humanities sponsors several drama presentations, musical programs and art exhibitions during the school year. The Christmas and spring concerts are significant events in the cultural program of the University.

The University sponsors an annual Black Heritage festival in conjunction with the City of Savannah, Department of Cultural Affairs.

STUDENT CONDUCT

Students enrolled at Savannah State University are expected at all times to exemplify due respect for order, morality, and the rights of others. The University reserves the right to exclude at any time students whose conduct is deemed improper or prejudicial to the welfare of the University community.

Disruptive Behavior

The following statement is the policy of the Board of Regents regarding disruptive behavior at any institution of the University System. The rights, responsibilities, and prohibitions described in this statement are incorporated as a part of these regulations.

The Board of Regents of the University System of Georgia reaffirms its policies to fully support freedom of expression by each member of the academic community and to preserve and protect the rights and freedoms of its faculty and student members to engage in debate, discussion, and peaceful and non-disruptive protest and dissent. The following statement relates specifically to the problem described herein. It does not change or in any way infringe upon the Board's existing policies and practices in support of freedom of expression and action. Rather it is considered necessary to combat the ultimate effect of irresponsible, disruptive, and obstructive actions by students and faculty who tend to destroy academic freedom and the institutional structures through which it operates.

In recent years a new and serious problem has appeared on many college campuses in the nation. Some students, faculty members, and others have on occasion engaged in demonstrations, sit-ins, and other activities that have clearly and deliberately interfered with the regular orderly operation of the institution concerned. Typically, these actions have been the physical occupation of a building or campus area for a protracted period of time or the use of verbal or written obscenities involving indecent or disorderly conduct.

These actions have gone beyond all heretofore recognized bounds of meetings for discussions, persuasion, or even protest in that (1) acquiescence to demands of the demonstrations is the condition for dispersal, and (2) the reasonable and written directions of institutional officials to disperse have been clearly ignored. Such activities thus have become clearly recognizable as an action of force, operating outside all established channels on the campus, including that of intellectual debate and persuasion, which are at the heart of education.

The Board of Regents is deeply concerned about this problem. Under the Constitution of the State of Georgia, under all applicable court rulings, and in keeping with the tradition of higher education in the United States, the Board is ultimately responsible for the orderly operation of the several institutions of the University System and the preservation of academic freedom in these institutions. The Board cannot and will not divest itself of this responsibility.

Of equal or even greater importance, such action of force as previously described destroys the very essence of higher learning. The essence is found in the unhampered freedom to study, investigate, write, speak, and debate on any aspect or issue of life. This freedom, which reaches its full flowering on college and university campuses, is an essential part of American democracy, comparable to the jury system or the electoral process.

For these reasons and in order to respond directly and specifically to this new problem, the Board of Regents stipulates that any student, faculty member, administrator, or employee, acting individually or in concert with others, who clearly obstructs or disrupts, or attempts to obstruct or disrupt any teaching, research, administrative, disciplinary or public service activity, or any other activity authorized to be discharged or held on any campus of the University System of Georgia, is considered by the Board to have committed an act of gross irresponsibility and shall be subject to disciplinary procedures, possibly resulting in dismissal or termination of employment.

The Board reaffirms its belief that all segments of the academic community are under a strong obligation and have a mutual responsibility to protect the campus community from disorderly, disruptive, or obstructive actions, which interfere with academic pursuits or teaching, learning, and other campus activities.

Violations of the Student Conduct Code

While the intentional commission of an act is an important consideration in determining guilt or innocence and appropriate sanction, students are also responsible in some cases for their actions due to negligence. Students may receive disciplinary action, including suspension and dismissal for a number of acts of misconduct committed on or away from University property. (For additional details, see the Savannah State University *Code of Student Ethics*) as listed in the Student Handbook. Examples of these actions are listed below.

Academic irregularity	Disorderly assembly
Damage to public and private property	Falsification of records
Disorderly conduct	Theft
Misuse of student identification cards	Unauthorized entry or use of University facilities
Gambling	Violation of dormitory visitation rules and regulations
Possessing explosives	Possession of weapons
Disregard of fire safety regulations	Joint responsibility for violations
Hazing and/or harassment	
Violation of outside law	
Possession of drugs and alcoholic beverages	

Academic Irregularity

Academic irregularity includes academic dishonesty, such as cheating and plagiarism; knowingly furnishing false information; forgery, alternations, or unauthorized use of University documents, records, identification, or property to gain an un-entitled advantage; taking or attempting to take, steal or otherwise procure in an unauthorized manner any material pertaining to the conduct of a class, including, but not limited to, tests, examinations, laboratory equipment and roll books; and selling, giving, lending or otherwise furnishing to any unauthorized person, material containing questions or answers to any examination scheduled to be given at a subsequent date in any course of study offered by the University.

Plagiarism is prohibited. Themes, essays, term papers, tests and other similar requirements must be the work of the individuals submitting them. Direct quotations, paraphrased material, summaries of ideas of others must be appropriately acknowledged and attributed to their sources.

Disciplinary Procedures

A charge of misconduct originates with the accuser filing a written charge with the Office of the Vice President for Student Affairs. Any person may refer a student suspected of violating the student conduct code.

Upon receipt of the charge, the Vice President's designee conducts an informal investigation to determine whether to drop the case or send a letter of notification to the accused student.

If a formal charge is made to the accused, either by certified letter or in person, the Vice President's designee will instruct the accused to contact the Office of Student Affairs to arrange an administrative interview to discuss the complaint. Copies of all pertinent documents known at that time will be attached to the letter. The Vice President's designee will request a meeting with other necessary relevant parties on an individual basis. However, the Vice President's designee or the accused may ask to have more than one relevant party present at the interview. The purposes of the administrative interview are two-fold: first, to determine whether probable cause exists to believe the accused may have committed the charged offenses; and second, to determine whether to have the case heard by the Vice President's designee or the University's Discipline Committee.

The Vice President for Student Affairs will notify all persons of the time and place when they are to appear before the Committee. The Vice President will also notify students about the specific charges against them.

Rights of the Accused During Hearings

Accused students have specific rights, including

The right to a non-legal advisor of their choice. (An attorney may be present only when it appears that the hearing also relates to a potential, or actual, criminal charge against the accused);

The right to question the accuser(s);

The right to present evidence;

The right to call witnesses;

The right to remain silent and have no inference of guilt drawn from such silence;

The right of cross-examination;

The right to appeal an adverse decision to the President; and

The right to attend classes and required University functions until a hearing is held and a decision is rendered against the accused by the Vice President or Discipline Committee. (The accused may remain at the Institution pending an appeal to the President, if his or her presence is judged not to be a clear and present danger to the normal operation of the University. If the President upholds the suspension or expulsion, the student must depart, notwithstanding the student's subsequent application for review to the Board of Regents.)

The Discipline Committee

Unless the accused elects to have the case decided by the Vice President for Student Affairs' designee, the Discipline Committee (comprised of the chief justice, faculty, staff, and students) will adjudicate the case. If the accused chooses a hearing by the Discipline Committee, the Vice President shall select a member of the staff to present the case on behalf of the person bringing charges, including cases where the Office of Student Affairs files the charges.

Basis for Review (Appeals to the President)

All appeals to the President must be made in writing within seven calendar days of the original decision. The original decision is final on the day it is rendered by the Vice President for Student Affairs and the Discipline Committee. The filing of an appeal to the President will not postpone punishments imposed there under, by the Vice President for Student Affairs or the Discipline Committee.

The accused may appeal to the President from a decision of the Vice President for Student Affairs or the Discipline Committee on the grounds listed below. Additional grounds may be asserted by the appellant, as appropriate.

The proceeding failed to follow procedures; including observing the rights of the accused, but only if such failure actually resulted in preventing the accused from adequately defending against the charge.

The findings are not supported by substantial evidence, or the recommendations are not supported by the findings.

One or more members of the adjudicating body demonstrated bias. "Bias" requires more than merely knowing the accused or knowing something about the case. Disqualification occurs only where it can be established that the Vice President or a Discipline Committee member was incapable of rendering a fair decision.

In light of the nature of the offense and the student's disciplinary record, the sanctions imposed by the adjudicating body were excessive.

Article IX Appeal to Board of Regents

A student dissatisfied with the President's decision has the right to appeal to the Board of Regents. The appeal to the Board shall be submitted in writing to the executive secretary of the Board through the Chancellor, within twenty calendar days after the President's decision and shall cite all the reasons for dissatisfaction with the previous decision.

Drugs and Weapons

Possession or use (without valid medical or dental prescription), manufacture, transportation, storage, furnishing, or sale of any narcotic or dangerous drug controlled by federal or Georgia law is prohibited. Violators will be subject to arrest and prosecution by University and/or local, state, and federal courts. It is against University rules and regulations for students to possess, use, or store weapons such as knives, guns, blackjacks, etc. Persons found in possession of weapons will be subject to disciplinary action by the University and/or local courts. Students convicted of violating Section II (Drugs and Alcohol) of the student conduct code may lose academic credit and/or federal financial aid and/or be suspended from the University.

BUSINESS AND FINANCE

UNDERGRADUATE FEES AND EXPENSES

GRADUATE FEES AND EXPENSES

REFUND POLICY

COMPUTER SERVICES

AUXILIARY SERVICES

BOOKSTORE

FOOD SERVICE

UNIVERSITY MAIL CENTER

BUSINESS AND FINANCE

VICE PRESIDENT FOR BUSINESS AND FINANCE

The Vice President for Business and Finance directs the operations of Auxiliary Enterprises, Budget and Financial Analysis, Business Services, Computer Services, Financial Services, Grants and Contracts, Human Resources, Plant Operations, and Public Safety.

As chief business officer for Savannah State University, the Vice President is responsible for the day-to-day business and financial operations of the institution. Principle areas of concern to this office include:

- Providing good stewardship of University funds and securities,
- Promoting best business practices which incorporate effectiveness, quality outcomes, and customer service,
- Maintaining a safe, clean environment with quality facilities for Savannah State students, faculty, and staff to learn and thrive in, and
- Creating an atmosphere for all employees in which they feel supported, appreciated, and equipped with the tools needed to be successful in their work.

**SAVANNAH STATE UNIVERSITY
UNIVERSITY SYSTEM OF GEORGIA
SAVANNAH, GEORGIA**

**UNDERGRADUATE FEE SCHEDULE
FALL, 2003 — SPRING, 2004**

DAY STUDENTS

Fees Per Semester	In-State Tuition	Out-Of-State Tuition
Tuition (12 or more credit hours)	\$1,106.00	\$4,424.00
Health Fee	60.00	60.00
Student Activity Fee	41.00	41.00
Athletic Fee	173.00	173.00
Technology Fee	<u>35.00</u>	<u>35.00</u>
Total	<u>\$1,415.00</u>	<u>\$4,733.00</u>

BOARDING STUDENTS

Fees Per Semester	In-State Tuition	Out-Of-State Tuition
Tuition (12 or more credit hours)	\$1,106.00	\$4,424.00
Health Fee	60.00	60.00
Student Activity Fee	41.00	41.00
Athletic Fee	173.00	173.00
Technology Fee	35.00	35.00
Board	1,181.00	1,181.00
Room	<u>1,068.00</u>	<u>1,068.00</u>
Total	<u>\$3,664.00</u>	<u>\$6,982.00</u>

Fees are due and payable at registration. Please make a cashier's check, bank or postal money order payable to Savannah State University. Separate checks should be made for cash allowances, books and supplies. Books and supplies cost approximately \$300.00 per semester. Late fee is \$50.00.

Other Fees:

Key Replacement	\$20.00 Per Occurrence
Meal Card Replacement	\$20.00 Per Occurrence
Post Office Box Rental	\$8.00 Per Year
Parking — Day	\$10.00 Per Year
Parking — Boarding	\$18.00 Per Year
Room Deposit	\$100.00 (Refundable Upon Vacating Room Without Damages)
Transcript Fees	\$4.00 Each
Single Occupancy Room	\$1,268.00 (Per Semester)
American Campus Community — University Village	
One Bedroom Apartment	\$2,280.00 (Per Semester)
Two Bedroom Apartment	\$2,025.00 (Per Semester)
Four Bedroom Apartment	\$1,910.00 (Per Semester) with range
	\$1,819.00 (Per Semester) without range

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

Credit cards (Visa and MasterCard) may be used to pay for tuition, fees and books.

(All prices are subject to change)

**SAVANNAH STATE UNIVERSITY
UNIVERSITY SYSTEM OF GEORGIA
SAVANNAH, GEORGIA**

**FALL, 2003 – SPRING, 2004
DETAILED UNDERGRADUATE FEE SCHEDULE**

REGULAR FEES — RESIDENT OF GEORGIA

HOURS	IN-STATE TUITION	HEALTH	S/A	A/F	TECH FEE	TOTAL
1	93.00		41.00	173.00	35.00	342.00
2	186.00		41.00	173.00	35.00	435.00
3	279.00		41.00	173.00	35.00	528.00
4	372.00	60.00	41.00	173.00	35.00	681.00
5	465.00	60.00	41.00	173.00	35.00	774.00
6	558.00	60.00	41.00	173.00	35.00	867.00
7	651.00	60.00	41.00	173.00	35.00	960.00
8	744.00	60.00	41.00	173.00	35.00	1,053.00
9	837.00	60.00	41.00	173.00	35.00	1,146.00
10	930.00	60.00	41.00	173.00	35.00	1,239.00
11	1,023.00	60.00	41.00	173.00	35.00	1,332.00
12 OR MORE	1,106.00	60.00	41.00	173.00	35.00	1,415.00

REGULAR FEES — NONRESIDENT OF GEORGIA

HOURS	OUT-OF- STATE TUITION	HEALTH	S/A	A/F	TECH FEE	TOTAL
1	369.00		41.00	173.00	35.00	618.00
2	738.00		41.00	173.00	35.00	987.00
3	1,107.00		41.00	173.00	35.00	1,356.00
4	1,476.00	60.00	41.00	173.00	35.00	1,785.00
5	1,845.00	60.00	41.00	173.00	35.00	2,154.00
6	2,214.00	60.00	41.00	173.00	35.00	2,523.00
7	2,583.00	60.00	41.00	173.00	35.00	2,892.00
8	2,952.00	60.00	41.00	173.00	35.00	3,261.00
9	3,321.00	60.00	41.00	173.00	35.00	3,630.00
10	3,690.00	60.00	41.00	173.00	35.00	3,999.00
11	4,059.00	60.00	41.00	173.00	35.00	4,368.00
12 OR MORE	4,424.00	60.00	41.00	173.00	35.00	4,733.00

**UNIVERSITY SYSTEM OF GEORGIA
SAVANNAH, GEORGIA**

**GRADUATE FEE SCHEDULE
FALL, 2003 — SPRING, 2004**

DAY STUDENTS

Fees Per Semester	In-State Tuition	Out-Of-State Tuition
Tuition (12 or more credit hours)	\$1,327.00	\$5,308.00
Health Fee	60.00	60.00
Student Activity Fee	41.00	41.00
Athletic Fee	173.00	173.00
Technology Fee	<u>35.00</u>	<u>35.00</u>
Total	<u>\$1,636.00</u>	<u>\$5,617.00</u>

BOARDING STUDENTS

Fees Per Semester	In-State Tuition	Out-Of-State Tuition
Tuition (12 or more credit hours)	\$1,327.00	\$5,308.00
Health Fee	60.00	60.00
Student Activity Fee	41.00	41.00
Athletic Fee	173.00	173.00
Technology Fee	35.00	35.00
Board	1,118.00	1,181.00
Room	<u>1,068.00</u>	<u>1,068.00</u>
Total	<u>\$3,885.00</u>	<u>\$7,866.00</u>

Fees are due and payable at registration. Please make a cashier's check, bank or postal money order payable to Savannah State University. Separate checks should be made for cash allowances, books and supplies. Books and supplies cost approximately \$300.00 per semester. Late fee is \$50.00.

Other Fees:

Key Replacement	\$20.00 Per Occurrence
Meal Card Replacement	\$20.00 Per Occurrence
Post Office Box Rental	\$8.00 Per Year
Parking — Day	\$10.00 Per Year
Parking — Boarding	\$18.00 Per Year
Room Deposit	\$100.00 (Refundable Upon Vacating Room Without Damages)
Transcript Fees	\$4.00 Each
Single Occupancy Room	\$1,268.00 (Per Semester)
American Campus Community — University Village	
One Bedroom Apartment	\$2,280.00 (Per Semester)
Two Bedroom Apartment	\$2,025.00 (Per Semester)
Four Bedroom Apartment	\$1,910.00 (Per Semester) with range \$1,819.00 (Per Semester) without range

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

Credit cards (Visa and MasterCard) may be used to pay for tuition, fees and books.

(All prices are subject to change)

**SAVANNAH STATE UNIVERSITY
UNIVERSITY SYSTEM OF GEORGIA
SAVANNAH, GEORGIA**

**FALL, 2003 — SPRING, 2004
DETAILED GRADUATE FEE SCHEDULE**

REGULAR FEES — RESIDENT OF GEORGIA

HOURS	IN-STATE TUITION	HEALTH	S/A	A/F	TECH FEE	TOTAL
1	111.00		41.00	173.00	35.00	360.00
2	222.00		41.00	173.00	35.00	471.00
3	333.00		41.00	173.00	35.00	582.00
4	444.00	60.00	41.00	173.00	35.00	753.00
5	555.00	60.00	41.00	173.00	35.00	864.00
6	666.00	60.00	41.00	173.00	35.00	975.00
7	777.00	60.00	41.00	173.00	35.00	1,086.00
8	888.00	60.00	41.00	173.00	35.00	1,197.00
9	999.00	60.00	41.00	173.00	35.00	1,308.00
10	1,110.00	60.00	41.00	173.00	35.00	1,419.00
11	1,221.00	60.00	41.00	173.00	35.00	1,530.00
12 OR MORE	1,327.00	60.00	41.00	173.00	35.00	1,636.00

REGULAR FEES — NONRESIDENT OF GEORGIA

HOURS	OUT-OF- STATE TUITION	HEALTH	S/A	A/F	TECH FEE	TOTAL
1	443.00		41.00	173.00	35.00	692.00
2	886.00		41.00	173.00	35.00	1,135.00
3	1,329.00		41.00	173.00	35.00	1,578.00
4	1,772.00	60.00	41.00	173.00	35.00	2,081.00
5	2,215.00	60.00	41.00	173.00	35.00	2,524.00
6	2,658.00	60.00	41.00	173.00	35.00	2,967.00
7	3,101.00	60.00	41.00	173.00	35.00	3,410.00
8	3,544.00	60.00	41.00	173.00	35.00	3,853.00
9	3,987.00	60.00	41.00	173.00	35.00	4,296.00
10	4,430.00	60.00	41.00	173.00	35.00	4,739.00
11	4,873.00	60.00	41.00	173.00	35.00	5,182.00
12 OR MORE	5,308.00	60.00	41.00	173.00	35.00	5,617.00

REFUND POLICY

Formal withdrawal must begin with a written request in the Office of Academic Affairs. Failure to officially withdraw from the institution will result in the forfeiture or loss of any refund due. No refunds will be made to students dropping courses. A student must totally withdraw within refund period to receive a refund. No refunds are allowed unless such reductions are necessitated by schedule changes initiated by the University. Students suspended or expelled for disciplinary reasons are not entitled to a refund of any deposits or fees paid.

Students who are members of the Georgia National Guard or other reserve components of the armed forces who receive emergency orders to active duty are entitled to a full refund of matriculation fees paid for that semester, in accordance with guidelines promulgated by the chancellor. Military personnel on active duty in the armed forces who, before the end of their present station assignment, receive emergency orders for a temporary or permanent change of duty location are entitled to a full refund of tuition paid for that semester, in accordance with guidelines promulgated by the chancellor.

The refund amount for students withdrawing from the institution shall be based on a pro rata percentage determined by dividing the number of calendar days in the semester that the student has completed by the total calendar days in the semester. The total calendar days in a semester includes weekends, but excludes scheduled breaks of five or more days and any days that a student was on an approved leave of absence. The unearned portion shall be refunded up to the point in time that the amount earned equals 60%.

Students that withdraw from the institution when the calculated percentage of completion is greater than 60%, are not entitled to a refund of any portion of institutional charges.

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

A student who wishes to withdraw from the Meal Plan Program and the Residence Hall must secure written permission from the Auxiliary Services Director. This permission, when submitted with the ID, will entitle the student to a refund.

Refund of elective charges (room and board) for withdrawing from the institution during a semester will be made on a prorated basis determined by the date of withdrawal.

Refunds to students who are recipients of Title IV funds will be made in accordance with federal laws and regulations in effect at that time.

The refund amount returned to SFA Programs will be distributed in the following order: Unsubsidized Direct Stafford Loan, Subsidized Direct Stafford Loan, PLUS Loan, Perkins Loan, Federal Pell Grant, FSEOG, Other Federal, State, Private, Institutional Aid and the Student.

COMPUTER SERVICES

Computers and technology are integral parts of the University. They facilitate academics, learning (both distance and local) and administrative functions. The University has developed a state of the arts technological campus through private, state and federal funding.

To support its infrastructure, the University has installed a wireless network and a fiber optics backbone, which supports speeds up to 1 gigabit (GB), that runs throughout the campus and to every academic and administrative building. The University also has full-time PeachNet/Internet/Intranet access, student, staff and faculty electronic mail, a campus-wide distributed messaging system, a University web site (<http://www.savstate.edu>) computer access for student, faculty, staff and administrators, faculty and staff development classes, communications support (phone) and remote access services.

Academics are supported through the establishment of multiple general purpose and specialized computer labs, in both PC and MAC formats, throughout the campus and in the dormitories. The University has three distance education/GSAMS (Georgia Statewide Academic and Medical System) sites, WebCT for web-based course delivery, audio visual aids, the Center for Teaching, Learning and Academic Support (CTLAS) to support technology course development as well as faculty and staff development. The University's library is automated, there is access to GIL (Galileo Interconnected Libraries) - a Board of Regents supported World Wide Web-based virtual library, wireless networking, satellite down links, a SSU/GaTech Regional Engineering Program (GTREP) and local centralized application support.

The University is administratively supported through SCT's BANNER electronic integrated student information system, PeopleSoft Financial and Human Resources systems, an automated work order system, electronic building security and an alumni financial system.

The University strives to stay in the forefront of technology to better facilitate the services to and education of its student body.

AUXILIARY SERVICES

The Division of Auxiliary Services is an organization with the Office of Business and Finance, responsible for providing services both directly and indirectly to students, faculty, staff, and the University's community. By Polices of the Board of Regents, the Division must be totally self-supporting; no state funds are allocated to the Division in any way. Based upon these Board of Regents Polices, Auxiliary Services pays a percentage, based upon square footage occupied, of the plant operations and maintenance cost and other indirect operating costs of the University. The Division is subject to rules and regulations of the University System of Georgia. Auxiliary Services, through careful purchasing and management and services is committed to providing the best possible services at the lowest cost possible, while maintaining quality, value, and courteous service.

The kinds and number of auxiliary services may vary according to of the University. Currently the Savannah State's Auxiliary services encompass the following: Bookstore, University Post Office, Food Services (operated by THOMPSON HOSPITALITY Inc), vending (operated by Rawls Distributing (snacks) Company, Pepsi Cola (soft drinks) Company), Intercollegiate athletics, and Transportation services.

BOOKSTORE

SSU Bookstore is an integral part of the academic and social life of the University. It is a social focal point on campus offering many goods and services required by a multifaceted university community. It is wholly owned and operated by Savannah State University under the policies established by the Board of Regents of the University System of Georgia.

The bookstore provides a book-buy-back at the end of each semester. The students are paid half of the retail price (whether the book being presented for buy-back is new or used) if the professor is using the textbook for the next semester. Old edition have no resale value and cannot be purchased.

Full refund on textbook will be given within the first three weeks (3) of the semester (first week of summer sessions) if the university drops the course or if a student withdraws from the university. The book(s) has to be in a new resalable condition and the student has the cash register receipt and a drop/add slip or a withdrawal slip. If a student changes a course or if he/she purchased the wrong book(s) for full value of the book is refundable only through check or in-store credit. No cash refund is allowed.

Hours of Operation

Monday – Friday 8:15 a.m. – 4:45 p.m.

Saturday (special occasions such as the beginning the semester and home football games.)

The bookstore is located in the King Frazier Student Union Building on the first floor.

Our mailing address is State University Bookstore, SSU, P.O. Box 20569, Savannah, Georgia 31404. The telephone number is (912) 356-2263 and our fax number is (912) 353-3072.

FOOD SERVICE

Savannah State University has been defined by the Board of Regents of the University System of Georgia as a residential institution. This definition means that the University must provide on-campus facilities for room and board. All students who live in the traditional residence halls are required to purchase a twenty-meal plan. ALL University Village four-bedroom, 2-bath apartment units will be required to purchase a twenty-meal plan or a fourteen-meal plan. Students assigned to these spaces will be automatically billed via the Banner Student Information System accordingly. There is no refund for missed or carry-overs to another semester during the meal contract period.

UNIVERSITY MAIL CENTER

The University Post Office is a combination on-campus post office and U.S. Postal Service Contract substation located in the King Frazier Complex (across from the University Bookstore). Money orders may be purchased Monday through Friday from 8:30 a.m. to 4:00 p.m. The window schedule is Monday through Friday from 8:30 a.m. to 4:30 p.m. The Campus Postal Service must comply with all UPS rules and regulations. This service is provided by the University in order to more efficiently distribute incoming mail and to effect postage savings in outgoing mail.

The University Post Office is located on the first floor of the King Frazier Complex, across from the University Bookstore. The University Postal Staff will assign all students who live in Bowen-Smith Hall, Bostic Hall, Peacock Hall, University Village or the new 350-bed residence hall a mailbox. If student is returning the subsequent semester and living in a residence hall, he/she will not be required to clear box with the University Postal Staff. Student will keep the same mailbox.

COLLEGE OF BUSINESS ADMINISTRATION

ACCOUNTING

- General Accounting Option
- Accounting Information Systems Option

COMPUTER INFORMATION SYSTEMS

- Application Development Option
- Computer Networking Option
- Enterprise Resource Planning (ERP) Option

MANAGEMENT

- General Management Option
- Entrepreneurship Option
- International Business Management Option

MARKETING

- General Marketing Option
- Professional Selling Option



COLLEGE OF BUSINESS ADMINISTRATION

PURPOSE AND MISSION

The College of Business Administration at Savannah State University is dedicated to delivering quality undergraduate business education programs to a diverse student population. Through innovative instruction, applied research, and community involvement, the College will fully develop business graduates who can compete effectively in academic, civic, business, global, government and not-for-profit arenas.

The College of Business Administration offers a four-year professional program that combines a general education with broad based programs of education in business. This program is predicated on the philosophy that the best education for business leaders is one which combines professional studies and studies in the liberal arts.

The emphasis on the liberal arts is most significant during the freshman and sophomore years. The major focus during the remaining years of study is on the basic business core, which serves as the foundation upon which students develop a major. This education provides graduates with the necessary background for initiating careers in one of the functional areas of business and an appropriate introduction to the tools of management that are necessary for success.

The College of Business Administration offers programs of study leading to the Bachelor of Business Administration degree (B.B.A). Major programs include accounting, computer information systems, management, and marketing. In response to current business needs, the College offers several emphases within the accounting, computer information systems, and management and marketing majors. Teacher certification for business majors is offered in a cooperative program with the Armstrong Atlantic State University College of Teacher Education.

ACADEMIC COUNSELING

Students in the College of Business Administration are assigned academic advisors in their major area of specialization. Since the advisement process is essential to ensure all prerequisites have been successfully completed prior to enrollment in a particular course, students must consult with their advisors before registering. Students should also work with their advisors to develop a plan of academic progress. This plan must be approved by the Associate Dean of the College of Business Administration and will be recorded in the College of Business Administration.

ACADEMIC REGULATIONS

1. "42 Hour Rule": Business students may enroll in 3000 level courses in the College of Business Administration after successful completion of 42 semester hours including the courses listed in Area F, provided all course-specific prerequisites have been satisfied. Business students will not be eligible to take 3000 level courses, prior to having completed 60 credit hours (junior standing), until all Area F courses are completed.

2. To graduate, Business majors must complete Areas A through F of the core curriculum with a minimum adjusted grade point average of 2.0 and with a grade of "C" or better in each of the following courses:
ENGL 1101, ENGL 1102, CISM/CSCI 1130, MATH 1111 and all Area F courses
3. To graduate, business majors must complete, with a grade of "C" or better, all courses in Area F (Business Core) and the Major Area of Specialization (concentration). In addition, the following business majors must complete, with a "C" or better, these specified courses in Area G (Foundation Knowledge of Business): Business Policy (BUSA 4126) (all business majors); Business Information Systems (CISM 2130) (CIS majors only); Management of Organizations (MGNT 3165) (Management majors only); Principles of Marketing (MKTG 3175) (Marketing majors only).
4. At least 30 semester hours of business courses must be taken in residence, at the College of Business Administration, in order for a student to earn a (B.B.A.) degree from the institution.
5. Transfer students should follow the program of study outlined for (B.B.A.) candidates at the College during the freshman and sophomore years.
 - a. The Dean of the College of Business Administration determines eligibility for transfer of credit for business course work, which will apply toward business degrees.
 - b. Business courses completed at the lower division level at other institutions, if these courses are offered at the junior and senior levels at Savannah State University, will not ordinarily be awarded transfer credit. Business courses taken at system universities and senior colleges will transfer, if the prerequisites at Savannah State have been satisfied.
6. Students who enroll as special students (as defined in this catalog), and who subsequently change their status to degree-seeking, may transfer for credit a maximum of seven semester hours earned while in special student status.

The Coastal Georgia Center for Economic Education is a joint program between the College of Business Administration at Savannah State University and the College of Education at Armstrong Atlantic State University. Drs. Tsehai Alemayehu and Stephen Agyekum are the co-directors of the Center. The Center is housed in Room 223, University Hall at Armstrong Atlantic State University. The purpose of the Center is to promote the basic economic ideas considered essential for good citizenship. This aim is accomplished through programs conducted in teacher workshops and the dissemination of materials. The center cooperates with the Georgia Council on Economic Education in providing workshops for area teachers to help meet the economic standards, which are mandated for students by the State of Georgia. The Center also cooperates with teachers from the Economics America Program of the Savannah-Chatham school system.

College of Business Administration

Core Curriculum (Areas A, B, C, D, E and additional requirements)	47 hours
Area F—Courses Appropriate to the Program of Study	18 hours
ACCT 2101 Principles of Financial Accounting	3 hours
ACCT 2102 Principles of Managerial Accounting	3 hours
BUSA 1105 Introduction to Business	3 hours
BUSA 2105 Communicating in the Business Environment	3 hours
ECON 2105 Principles of Macro-Economics	3 hours
ECON 2106 Principles of Micro-Economics	3 hours
FREE ELECTIVES (Non-Business)	3 hours
Major Courses	57 hours
Area G—Foundation Knowledge of Business	
(Required of all majors)	30 hours
BUSA 2106 The Environment of Business	3 hours
BUSA 4126 Business Policy	3 hours
CISM 2130 Business Information Systems	3 hours
ECON 3145 Global Business Issues	3 hours
FINC 3155 Business Finance	3 hours
MGNT 3165 Management of Organizations	3 hours
MKTG 3175 Principles of Marketing	3 hours
MATH 2181 Quantitative Analysis for Business (formerly QUAN 2181)	3 hours
BUSA 2182 Introduction to Business Statistics (formerly QUAN 2182)	3 hours
MGNT 3185 Operations Management (formerly QUAN 3185)	3 hours
Major Area of Specialization	
(Choose one of the following concentrations)	27 hours
ACCOUNTING MAJOR (27 hours)	
(The following courses are required of all accounting majors)	15 hours
ACCT 3111 Intermediate Financial Accounting I	3 hours
ACCT 3112 Intermediate Financial Accounting II	3 hours
ACCT 3113 Federal Income Taxation of Individuals	3 hours
ACCT 3115 Cost/Managerial Accounting	3 hours
ACCT 3117 Accounting Information Systems	3 hours
GENERAL ACCOUNTING OPTION I	12 hours
[Required Courses (9 hours)]	
ACCT 3185 International Accounting	3 hours
ACCT 4116 Accounting for Not-For-Profit Institutions	3 hours
ACCT 4117 Auditing	3 hours
[Choose one (1) from the following (3 hours)]	
ACCT 3114 Federal Income Taxation of Corporations & Partnerships	3 hours
ACCT 4118 Advanced Managerial Accounting	3 hours
BUSA 4229 Administrative Practice & Internship	3 hours

ACCOUNTING INFORMATION SYSTEMS OPTION II	12 hours
[Required Courses (6 hours)]	
ACCT 4118 Advanced Managerial Accounting	3 hours
CISM 4137 Database Design & Implementation	3 hours
[Choose two (2) from the following (6 hours)]	
CISM 3140 Introduction to Programming: Visual Basic	3 hours
CISM 4135 Data Communications	3 hours
CISM 4150 Network Administration	3 hours
CISM 4160 Enterprise Resource Planning (ERP) in Theory	3 hours
CISM 4161 Enterprise Resource Planning (ERP) with Cases	3 hours
COMPUTER INFORMATION SYSTEMS MAJOR (27 hours)	
(The following courses are required of all CIS majors)	12 hours
CISM 3137 Systems Analysis and Design	3 hours
CISM 3140 Introduction to Programming: Visual Basic	3 hours
CISM 4135 Data Communications	3 hours
CISM 4137 Database Design and Implementation	3 hours
APPLICATION DEVELOPMENT OPTION I	15 hours
[Required Courses (6 hours)]	
CISM 4140 Programming in JAVA	3 hours
CISM 4141 Advanced Visual Basic	3 hours
[Choose three (3) from the following (9 hours)]	
CISM 3232 Web Design and Development	3 hours
CISM 4138 Contemporary Topics in CIS	3 hours
CISM 4900 Occupational Internship OR BUSA 4229	3 hours
MKTG 3179 E-Commerce	3 hours
Either or Both CISM 4150 & 4151 if not part of student's declared track	
Either or Both CISM 4160 & 4161 if not part of student's declared track	
NETWORKING OPTION II	15 hours
[Required Courses (6 hours)]	
CISM 4150 Network Administration	3 hours
CISM 4151 Network Installation & Configuration	3 hours
[Choose three (3) from the following (9 hours)]	
CISM 3232 Web Design and Development	3 hours
CISM 4138 Contemporary Topics in CIS	3 hours
CISM 4900 Occupational Internship OR BUSA 4229	3 hours
MKTG 3179 E-Commerce	3 hours
Either or Both CISM 4140 & 4141 if not part of student's declared track	
Either or Both CISM 4160 & 4161 if not part of student's declared track	

ENTERPRISE RESOURCE PLANNING (ERP) OPTION III . . .	15 hours
(“SAP” certification preparation)	
[Required Courses (6 hours)]	
CISM 4160 Enterprise Resource Planning (ERP) in Theory	3 hours
CISM 4161 Enterprise Resource Planning (ERP) with Cases	3 hours
[Choose three (3) from the following (9 hours)]	
CISM 3232 Web Design and Development	3 hours
CISM 4138 Contemporary Topics in CIS	3 hours
CISM 4900 Occupational Internship OR BUSA 4229	3 hours
MKTG 3179 E-Commerce	3 hours
Either or Both CISM 4140 & 4141 if not part of student’s declared track	
Either or Both CISM 4150 & 4151 if not part of student’s declared track	
MANAGEMENT MAJOR (27 hours)	
(The following courses are required of all Management majors)	
MGNT 3000 Personal Finance	15 hours
MGNT 3196 Small Business Management and Ownership	3 hours
MGNT 3300 Organizational Behavior and Theory (formerly MGNT 4500)	3 hours
MGNT 4165 Human Resource Management	3 hours
MGNT 4200 Management of Diversity (formerly MGNT 4500)	3 hours
GENERAL MANAGEMENT OPTION I	12 hours
[Choose four (4) from the following]	
BUSA 4116 Business Research	3 hours
BUSA 4229 Administrative Practice & Internship	3 hours
MGNT 3195 Introduction to Management Science	3 hours
MGNT 4168 International Businesses Management	3 hours
MGNT 4169 Quality Management	3 hours
MGNT 4800 Contemporary Topics in Management	3 hours
MKTG 3179 E-Commerce	3 hours
Any one (1) other 3000 or 4000 level business course	3 hours
ENTREPRENEURSHIP OPTION II	12 hours
[Required Courses (6 hours)]	
MGNT 3198 Entrepreneurship	3 hours
MGNT 4199 Small Business Entrepreneurial Strategy	3 hours
[Choose two (2) from the following (6 hours)]	
BUSA 4229 Administrative Practice & Internship	3 hours
MGNT 3195 Introduction to Management Science	3 hours
MGNT 4168 International Businesses Management	3 hours
MGNT 4800 Contemporary Topics in Management	3 hours
MKTG 3179 E-Commerce	3 hours
MKTG 3176 Professional Selling	3 hours
MKTG 3177 Retail Management	3 hours

INTERNATIONAL BUSINESS MANAGEMENT OPTION III . . .	12 hours
[Required Course (3 hours)]	
MGNT 4168 International Business Management	3 hours
[Choose three (3) from the following (9 hours)]	
BUSA 4229 Administrative Practice & Internship	3 hours
BUSA 4800 Current Issues in International Business	3 hours
ECON 3167 International Trade and Investment	3 hours
FINC 4155 International Finance	3 hours
MKTG 4179 International Bus. Marketing & Export Management	3 hours
MARKETING MAJOR (27 hours)	
(The following courses are required	
of all Marketing majors)	15 hours
BUSA 4116 Business Research	3 hours
MKTG 3176 Professional Selling	3 hours
MKTG 3178 Buyer Behavior	3 hours
MKTG 3179 E-Commerce	3 hours
MKTG 4185 Strategic Marketing	3 hours
GENERAL MARKETING OPTION I	12 hours
[Required Courses (9 hours)]	
MKTG 3177 Retail Management	3 hours
MKTG 4175 Advertising & Promotion	3 hours
MKTG 4179 International Bus. Marketing & Export Management	3 hours
[Choose one (1) from the following (3 hours)]	
ACCT 3115 Cost/Managerial Accounting	3 hours
BUSA 4229 Administrative Practice & Internship	3 hours
CISM 3232 Web Design and Development	3 hours
MKTG 4176 Contemporary Topics in Marketing	3 hours
PROFESSIONAL SELLING OPTION II	12 hours
[Required Courses (6 hours)]	
MKTG 4182 Advanced Professional Selling	3 hours
MKTG 4183 Sales Management	3 hours
[Choose two (2) from the following (6 hours)]	
ACCT 3115 Cost/Managerial Accounting	3 hours
BUSA 4229 Administrative Practice & Internship	3 hours
CISM 3232 Web Design and Development	3 hours
MKTG 4176 Contemporary Topics in Marketing	3 hours
MINOR IN BUSINESS	
FINC 3000 Personal Finance	3 hours
ACCT 2101 Principles of Financial Accounting	3 hours
ECON 2106 Principles of Micro-Economics*	3 hours
MGNT 3165 Management of Organizations	3 hours
MKTG 3175 Principles of Marketing	3 hours
Total Hours Required for the Minor in Business	15 hours

*ECON 2105 is a prerequisite, which can be satisfied as part of area E core requirement.

COLLEGE OF LIBERAL ARTS AND SOCIAL SCIENCES

DEPARTMENT OF LIBERAL ARTS

Art
Music
Theatre
Dance
English Language and Literature
English Language and Literature (Teacher Certification)
Foreign Languages
Critical Thinking and Humanities
Religious and Philosophical Studies

DEPARTMENT OF MASS COMMUNICATIONS

Print
Radio and Television
Public Relations and Advertising

DEPARTMENT OF SOCIAL AND BEHAVIORAL SCIENCES

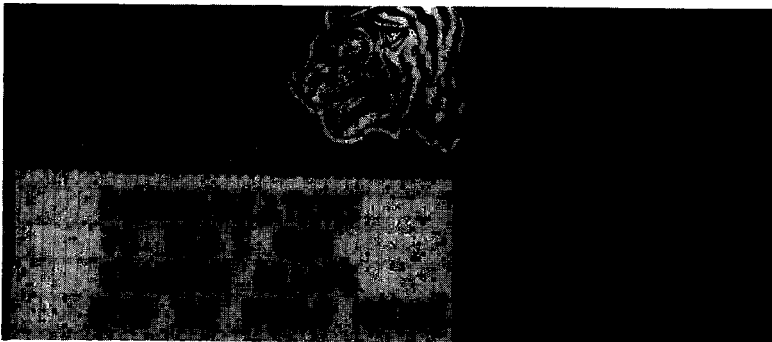
Africana Studies
Criminal Justice
History
History (Teacher Certification)
Psychology
Sociology

DEPARTMENT OF SOCIAL WORK

Social Work
Master of Social Work

DEPARTMENT OF POLITICAL SCIENCE AND PUBLIC ADMINISTRATION

Political Science
Political Science (Teacher Certification)
Master of Public Administration
Master of Science in Urban Studies Program



COLLEGE OF LIBERAL ARTS AND SOCIAL SCIENCES

The College of Liberal Arts and Social Sciences is comprised of five departments—Liberal Arts, Mass Communications, Political Science and Public Administration, Social and Behavioral Sciences and Social Work. The College offers majors in English, mass communications, history, criminal justice, social work, sociology, political science, and Africana Studies. The following areas of concentration are offered: Africana Studies, mass communications, English, art, music, religion and philosophy, psychology, history, sociology, criminal justice, gerontology, political science, voice, and theatre. The College also offers three Master's degree programs, the Master of Public Administration, the Master of Social Work, and the Master of Urban Studies.

The College of Liberal Arts and Social Sciences is committed to the mission of Savannah State University. The College strives to assure an academic milieu that fosters excellent teaching, scholarly activities, service to students and meaningful community outreach. The College recognizes its rich cultural history as central to the ethos of the University.

The goals of the College of Liberal Arts and Social Sciences are as follows:

- To provide students with visionary scholarships;
- To promote an environment that encourages students to develop intellectually, physically, ethically, emotionally and aesthetically;
- To provide learning experiences that promote critical and analytical thinking and effective communication skills;
- To promote applied research and creative and scholarly activity among faculty and students;
- To serve as an educational resource for cultural enrichment and economic growth throughout southeast Georgia;
- To foster cultural diversity;
- To emphasize traditions of African American and African culture and serves as a repository of knowledge about African American experiences; and
- To promote a desire for learning, a concern for humanity, and the ideals of equality, citizenship and social justice.

THE DEPARTMENT OF LIBERAL ARTS

The program of Fine Arts, Languages and Humanities, as well as Recreation and Health Education comprise the Department of Liberal Arts. These programs encompass the varied disciplines of English language and literature, foreign languages (Arabic, Chinese, French, German, and Spanish), religious and philosophical studies, humanities, music, art, speech, theatre, and recreation and health education. The department offers courses leading to the baccalaureate degree (B.A.) in English language and literature, and contributes significantly to the interdisciplinary program of Africana Studies. A minor in English language and literature is available as well as areas of concentration (15 credit hours) in religious and philosophical studies, music, art, theatre, French and Spanish. The department serves a crucial need of the University by offering courses to satisfy the core curriculum requirements in Area A-Essential Skills, Area B-Institutional Options, Area C-Humanities/Fine Arts, and university mandated "Additional Requirements." Additionally, a teacher certification program in English language and literature is offered in conjunction with Armstrong Atlantic State University.

MISSION STATEMENT

The mission of the Department of Liberal Arts is consistent with that of the College of Liberal Arts and Social Sciences as well as that of Savannah State University. Specifically, we are in concert with the following ideals:

- To graduate students prepared to perform at higher levels of economic productivity, social responsibility, and excellence in their chosen fields of endeavor in a changing global community;
- To embrace cultural, ethnic, racial and gender diversity supported by practices and programs that embody the ideal of an open, democratic, and global society;
- To develop high quality programs that utilize appropriate technology and support a variety of disciplinary, interdisciplinary, and professional programming;
- To commit to a high level of scholarly and creative work;
- To serve the needs of African American students as well as those of all other students, regardless of race, ethnicity, or culture;
- To embrace health and wellness as lifelong pursuits;
- To use student-centered instruction, scholarship, research, and effective support services that nurture the intellect and value honesty and human sensitivity;
- To provide effective programs and levels of service to meet the ever-changing needs of a coastal urban area;
- To serve as an educational resource for cultural enrichment and economic growth through southeast Georgia; and
- To promote a desire for learning, a concern for humanity, and the ideals of equality, citizenship, and social justice.

Aims and Objectives

The department's programs aim to develop the following essential interdisciplinary skills:

- Creative skills: skillful and thoughtful self-expression in varied genres and media;
- Analytical skills: the ability to think rigorously and critically about ideas and propositions and to assess the validity of arguments;
- Synthesis skills: the ability to draw interdisciplinary relationships and to reach valid conclusions;
- Reading and interpretative skills: the ability to understand, with sensitivity to nuance and effect, the complexities and varieties of the ways in which oral, written and artistic texts communicate meaning;
- Oral, written, and artistic skills: the ability to formulate a point of view and to present, develop, illustrate, and defend it;
- Research skills: the ability to distinguish relevant data, to locate and gather it from a variety of sources, and to record it in an accessible fashion, using acceptable bibliographical and typographical conventions;
- Time management skills: the ability to plan work ahead, to structure time purposefully, and to carry out what is planned to meet deadlines;
- Independent learning and study skills: the ability to work alone, to locate useful information, and to record and deploy it pertinently;
- Interpersonal skills: the ability to collaborate, to participate in joint projects, and to accept criticism.

THE FINE ARTS PROGRAM IN THE DEPARTMENT OF LIBERAL ARTS

The Fine Arts Program delivers fine arts courses as fulfillment of core requirements, as electives, and as advanced courses leading to an area of concentration (15 credit hours) in music, art, dance, and theatre. The program also provides opportunities for student engagement in the performing arts through concerts, plays, exhibits, and displays.

The program seeks to develop student appreciation of culture and aesthetics; to develop individual ability and intellectual curiosity through performance, research, and other scholarly activity; to develop an awareness of social and civil responsibility; to provide special training in art, music, dance, and theatre; and to develop cultural transmitters in our increasingly technological society.

**FINE ARTS PROGRAM IN THE DEPARTMENT OF
LIBERAL ARTS**

Ensemble Courses:

Students can elect to participate in band and choral organization for elective credit.

MUSC 1408 Band Organization (1st Semester)	1 hour
MUSC 1409 Band Organization (2nd Semester)	1 hour
MUSC 2408 Band Organization (1st Semester)	1 hour
MUSC 2409 Band Organization (2nd Semester)	1 hour
MUSC 3408 Band Organization (1st Semester)	1 hour
MUSC 3409 Band Organization (2nd Semester)	1 hour
MUSC 4408 Band Organization (1st Semester)	1 hour
MUSC 4409 Band Organization (2nd Semester)	1 hour
MUSC 1608 Choral Organization (1st Semester)	1 hour
MUSC 1609 Choral Organization (2nd Semester)	1 hour
MUSC 2608 Choral Organization (1st Semester)	1 hour
MUSC 2609 Choral Organization (2nd Semester)	1 hour
MUSC 3608 Choral Organization (1st Semester)	1 hour
MUSC 3609 Choral Organization (2nd Semester)	1 hour
MUSC 4608 Choral Organization (1st Semester)	1 hour
MUSC 4609 Choral Organization (2nd Semester)	1 hour
MUSC 1808 Chamber Organization (1st Semester)	1 hour
MUSC 1809 Chamber Organization (2nd Semester)	1 hour
MUSC 2808 Chamber Organization (1st Semester)	1 hour
MUSC 2809 Chamber Organization (2nd Semester)	1 hour
MUSC 3808 Chamber Organization (1st Semester)	1 hour
MUSC 3809 Chamber Organization (2nd Semester)	1 hour
MUSC 4808 Chamber Organization (1st Semester)	1 hour
MUSC 4809 Chamber Organization (2nd Semester)	1 hour

THE LANGUAGES AND HUMANITIES PROGRAM IN THE DEPARTMENT OF LIBERAL ARTS

The Languages and Humanities Program offers courses leading to the baccalaureate degree (B.A.) in English language and literature. A minor is available in English, and areas of concentration (15 credit hours) are available in religious and philosophical studies, in Spanish, and in French. The program also offers courses in Arabic, German, Portuguese, Chinese, Africana Studies, critical thinking, and interdisciplinary humanities. A teacher certification program in English language and literature is offered in conjunction with Armstrong Atlantic State University.

The program seeks to provide a liberal arts education in which students may develop competence in communication skills: reading, writing, speaking, listening, analysis, and critical thinking; achieve competence in one or more foreign languages; increase knowledge and appreciation of art, literature, music, philosophy, and religion; explore the interdisciplinary approach in Africana Studies; and prepare for graduate study in English language and literature as well as pre-professional areas such as law, library science, medicine, and education.

FRESHMAN ENGLISH

Entering freshmen that meet the requirements of regular admission are placed in English 1101. Applicants for admission who do not meet the requirements for regular admission must take the Collegiate Placement Examination (CPE). On the basis of their performance on the English section of this test (including a writing sample), these students are assigned to English 1101 or to English 0099 in the Student Academic Assistance Program (SAAP).

ADVANCED PLACEMENT AND CREDIT BY EXAMINATION

Students who earned the grade of 3 or above on the Advanced Placement Test or 47 on the Freshman English CLEP may be exempted from English 1101 with credit.

Students who earned the grade of B or above in advanced placement language (French, German, Spanish, Arabic or Chinese) or 4 or above on the Advanced Placement Test may be exempted from the first course in language (1001).

MAJOR IN ENGLISH LANGUAGE AND LITERATURE

Students majoring in English language and literature should complete at least forty-one semester hours in language, writing, literature, and speech and drama beyond Area F requirements. English courses taken in the core curriculum Areas A, B, C, and F may not be counted as a part of the forty-one hours required for the major.

As sophomores, students should prepare to major in English by taking ENGL 2104 and 2105. For students majoring in English, these two courses are *prerequisites* to all other English courses except ENGL/SPEH 4101.

Courses required for the major are the advanced speech course (ENGL/ SPEH 4101), the two introductory courses in English literature (ENGL 2121-2122), the two introductory courses in American literature (ENGL 2131-2132), two courses in language (ENGL 3321-3322), one course in creative writing (ENGL 3411, 3412, or 3413), one advanced course in English literature (ENGL 3011, 3012, 3013, 3014, 3015, 3016, or 4021), the course in Shakespeare (ENGL 4011), one advanced course in American literature (ENGL 4121, 4311, 4321, 4331, 4332, or 4335), one advanced course in African-American literature (ENGL 3212, 3216, 4211, 4217, or 4218), and the senior seminar (ENGL 4700). Other English courses are electives.

ACADEMIC REQUIREMENTS FOR THE BACCALAUREATE DEGREE IN ENGLISH

Candidates for the baccalaureate degree in English Language and Literature must pass the reading and essay writing components of the Regents' Testing Program (RTP).

Senior English majors must take the Graduate Record Examination (GRE).

Senior English majors must also take the departmental exit examination.

Students enrolled in the English degree program will be assigned an academic advisor by the chair of the department. Students are required to be advised by an advisor prior to registering for a course.

Students must complete all Areas A-F courses prior to enrolling in upper level courses.

Students must earn a minimum grade of "C" in all prerequisite courses prior to registering for an upper level course.

Students must earn a minimum grade of "C" in all major courses and all courses that are appropriate to the major. The courses that are "appropriate to the major" are listed under Area F courses.

PROGRAM OF STUDY MAJOR IN ENGLISH LANGUAGE AND LITERATURE

Core Curriculum (Areas A, B, C, D, E, and additional requirements)	47 hours
Area F Courses Appropriate to the Program of Study	18 hours
ENGL 2104 Advanced Composition	3 hours
ENGL 2105 Practical Criticism	3 hours
<i>One of the following courses:</i>	
ENGL 2111 World Literature I	3 hours
ENGL 2112 World Literature II	3 hours
SPEH 4101 Advanced Speech	3 hours
Foreign language sequence	6 hours
<i>(To fulfill this sequence, students are encouraged to complete the second elementary level course and the first intermediate level course of the same language or two intermediate level courses in the same level courses in the same language.)</i>	

Major Requirements:	41 hours
ENGL 2121 British Literature I	3 hours
ENGL 2122 British Literature II	3 hours
ENGL 2131 American Literature I	3 hours
ENGL 2132 American Literature II	3 hours
ENGL 3321 Introduction to Language Study	3 hours
ENGL 3322 History of the English Language	3 hours
ENGL 4011 Shakespeare	3 hours
Choose one of the following courses in creative writing:	
ENGL 3411 Creative Writing: Fiction	2 hours
ENGL 3412 Creative Writing: Drama	2 hours
ENGL 3413 Creative Writing: Poetry	2 hours
Choose one of the following courses in British literature:	
ENGL 3011 Medieval English Literature	3 hours
ENGL 3012 Renaissance English Literature	3 hours
ENGL 3013 Neoclassic English Literature	3 hours
ENGL 3014 Romantic English Literature	3 hours
ENGL 3015 Victorian English Literature	3 hours
ENGL 3016 Modern English Literature	3 hours
ENGL 4021 The English Novel	3 hours
Choose one of the following courses in American literature:	
ENGL 4121 American Women's Writing	3 hours
ENGL 4311 Romantic American Literature	3 hours
ENGL 4321 American Literary Realism	3 hours
ENGL 4331 Modern American Novel	3 hours
ENGL 4332 American Short Story	3 hours
ENGL 4335 Modern American Poetry	3 hours
Choose one of the following courses in African-American literature:	
ENGL 3212 African-American Oral Tradition	3 hours
ENGL 3216 African-American Poetry	3 hours
ENGL 4211 African-American Drama	3 hours
ENGL 4217 African-American Fiction	3 hours
ENGL 4218 African-American Nonfiction	3 hours
ENGL Electives	6 hours
ENGL 4700 Senior Seminar	3 hours
Minor Field or Area of Concentration	15 hours
Open Electives	4 hours
Total Hours Required for Major in English Language and Literature	125 hours

MINOR IN ENGLISH LANGUAGE AND LITERATURE

A minor in English consists of a minimum of fifteen hours beyond ENGL 1102. Students minoring in English are required to take English 2105 as a *prerequisite* to all other English courses except ENGL/SPEH 4101 and ENGL 2104. Other courses required for the minor are one course in English literature, one course in American literature, and one course in African-American literature. Additional English courses needed to complete the minor are electives (excluding the honors thesis, ENGL 4800, which only English majors may take).

AREAS OF CONCENTRATION IN THE DEPARTMENT OF LIBERAL ARTS

RELIGIOUS AND PHILOSOPHICAL STUDIES

Religious and Philosophical Studies courses are designed to provide students with a broad humanistic background in religion and philosophy and to offer students expanded opportunities to pursue liberal studies. An area of concentration consists of 15 hours (minimum) in religious and philosophical studies, including RPHS 2101.

FRENCH AND SPANISH

The aims of the French and Spanish areas of concentration are (1) to develop the ability to communicate in a foreign language; (2) instill respect for other people and other cultures; (3) to develop an appreciation for the artistic expressions which are found in other languages, and (4) to bring about a greater awareness of our cultural heritage. The French or Spanish minor consists of the second intermediate course in the language and twelve additional hours at the junior or senior level.

Prior to enrolling in a foreign language course, student may take a placement test. Depending on the results of that test, students are placed in either an elementary level course (1001 or 1002) or in the first intermediate course (2001). Students should take note of the language requirements in their majors since some majors do not permit credit for 1001 or 1002.

THE RECREATION AND HEALTH EDUCATION PROGRAM IN THE DEPARTMENT OF LIBERAL ARTS

The Recreation and Health Education Program is committed to the development of students' intellectual, social, and professional competency. The program provides a wellness-based core curriculum academic service program for all students and seeks to develop students' intellectual competency regarding lifestyle habits and issues that affect health, quality of life, and well being as a life-time process. The objectives of the department are as follows:

To prepare students for careers as recreation programmers, leaders, or supervisors in leisure service delivery systems that are public, private, commercial, or community-based.

To train students to provide recreation services to special populations as an intervention methodology in schools, hospitals, clinics, and rehabilitation centers.

To develop students' intellectual competency on lifestyle habits issues that effect health, quality of life, and well being as a life-time process.

THE WELLNESS REQUIREMENTS

All students entering Savannah State University are required to satisfactorily complete three hours of health education courses as a prerequisite for graduation. Students with disabling conditions are encouraged to consult with the coordinator of the department for an individualized program based on their needs. Some of the courses in the wellness curriculum have a required dress code.

DEPARTMENT OF MASS COMMUNICATIONS

The department of mass communications offers courses leading to the baccalaureate degree (B.A.) with a concentration in one of three areas: print, radio and television, public relations and advertising. Minor programs are available in English and several other disciplines in the University. The department also offers courses in desktop publishing, photojournalism, radio and television production, public relations, and advertising copywriting.

The objectives of the department are:

1. To prepare students for graduate study in mass communications, film, and other areas of endeavor.
2. To offer students state-of-the-art equipment and instruction in print, broadcast, and public relations/advertising to prepare them for jobs in professional media.
3. To aid students in developing critical thinking/analytical skills, writing skills, computer/software usage skills in print, broadcast, and public relations/advertising.
4. To orient students to the importance of minority contributions to the areas studied in mass communications to enhance their global view of the world.
5. To assist students in developing a broad interdisciplinary liberal arts perspective inclusive of literature, art, film, philosophy, African-American studies, music.
6. To involve students in applied experiences in the program to enhance their employability in a modern workforce.
7. To offer interdisciplinary courses that enhance the African and Africana Studies major.

MAJOR IN MASS COMMUNICATIONS

The mass communications degree program is an interdisciplinary program which offers students who are interested in a professional communications career an opportunity to be flexible.

The program, which leads to the B.A. degree, allows students the option of concentrating in print journalism, radio and television, or public relations and advertising.

Enriched knowledge and understanding of the nature, circumstances, and aspirations of people are derived from historical, literary, social, philosophical, and theological studies, which are traditionally called humanistic. Therefore, the mass communications program utilizes these disciplines to assist students to develop basic insights into human nature and to acquire humanistic principles upon which the media must rest.

Additionally, students are provided with the opportunity to further enhance their skills by working as volunteers at WHCJ-FM Radio and by working on the staff of the University newspaper, The Tiger's Roar.

ACADEMIC REQUIREMENTS FOR THE BACCALAUREATE DEGREE IN MASS COMMUNICATIONS

Candidates for the baccalaureate degree in the Department of Humanities must pass the reading and essay components of the Regents' Testing Program (RTP).

Students enrolled in the mass communications degree program will be assigned an academic advisor by the chair of the department. Students are required to be counseled by an advisor prior to registering for a course.

Students must complete all Areas A-F courses prior to enrolling in upper level courses.

Students must earn a minimum grade of "C" in all prerequisite courses prior to registering for an upper level course.

Students must earn a minimum grade of "C" in all major courses and all courses that are appropriate to the major. Generally, the courses appropriate to the major are listed under Area F courses.

Senior mass communications majors must pass the departmental exit examination.

PROGRAM OF STUDY MASS COMMUNICATIONS MAJOR

Core Curriculum (Areas A, B, C, D, E, and additional requirements)	47 hours
Area F Courses Appropriate to the Program of Study	18 hours
COMM 2101 Writing for the Media	3 hours
COMM 2105 Mass Media and Society	3 hours
COMM 2106 African-Americans in the Media	3 hours
ENGL 2104 Advanced Composition	3 hours
Foreign language sequence	6 hours
<i>(These may include the second elementary level course and the first intermediate level course of the same language, or two intermediate level courses in the same language.)</i>	
Recommended: SPAN 1002, and SPAN 2001 or SPAN 2001 and SPAN 2002	
PRINT CONCENTRATION	36 hours
COMM 3105 Writing for Newspapers and Magazines	3 hours
COMM 3110 Desktop Publishing	3 hours
COMM 3120 Introduction to Communications Theory	3 hours
COMM 3201 Feature Writing	3 hours
COMM 4106 Communications Practicum	3 hours
COMM 4170 Advanced Newspaper Writing and Reporting	3 hours
COMM 4201 Copy Editing	3 hours
COMM 4705 Communications Law and Ethics	3 hours
COMM 4902 Professional Media Internship	3 hours
Choose one of the following courses:	
COMM 3101 Media Arts and Design	3 hours
COMM 3102 Photo-Journalism	3 hours
COMM 3130 History of Journalism	3 hours
COMM 4105 Editorial Writing	3 hours
COMM 4211 Newspaper Production	3 hours
COMM 4402 Public Relations and Advertising Campaigns	3 hours

Other Requirements

SPEH 4101 Advanced Speech	3 hours
GEOG 1101 Introduction to Human Geography	3 hours

Minor Field **15 hours**

Electives **9 hours**

Total hours required for the major in

Mass Communications with Print Concentration **125 hours**

RADIO AND TELEVISION CONCENTRATION **36 hours**

COMM 3120 Introduction to Communications Theory	3 hours
COMM 3301 Introduction to Radio and T.V. Production	3 hours
COMM 3303 Writing for Radio and T.V.	3 hours
COMM 4106 Communications Practicum	3 hours
COMM 4107 Advanced Television Production	3 hours
COMM 4110 Advanced Radio Production	3 hours
COMM 4705 Communications Law and Ethics	3 hours
COMM 4815 The Documentary	3 hours
COMM 4902 Professional Media Internship	3 hours

Choose one of the following courses:

COMM 3101 Media Arts and Design	3 hours
COMM 3102 Photo-Journalism	3 hours
COMM 3110 Desktop Publishing	3 hours
COMM 3130 History of Journalism	3 hours
COMM 3302 Speech for Radio and Television	3 hours
COMM 4406 Public Relations and Advertising Workshop	3 hours
COMM 4810 Introduction to Communications Research	3 hours

Other Requirements **6 hours**

SPEH 4101 Advanced Speech	3 hours
GEOG 1101 Introduction to Human Geography	3 hours

Minor Field **15 hours**

Electives **9 hours**

Total Hours Required for the Major in Mass Communications

with Radio and Television Concentration **125 hours**

PUBLIC RELATIONS AND ADVERTISING

CONCENTRATION **36 hours**

COMM 3110 Desktop Publishing	3 hours
COMM 3120 Introduction to Communications Theory	3 hours
COMM 3401 Introduction to Public Relations and Advertising ...	3 hours
COMM 4101 Advertising Copy Writing	3 hours
COMM 4106 Communications Practicum	3 hours
COMM 4402 Public Relations and Advertising Campaigns	3 hours
COMM 4406 Public Relations and Advertising Workshop	3 hours
COMM 4705 Communications Law and Ethics	3 hours
COMM 4902 Professional Media Internship	3 hours

Choose one of the following courses:

COMM 3102 Photo-Journalism	3 hours
COMM 3101 Media Arts and Design	3 hours
COMM 3130 History of Journalism	3 hours
COMM 3301 Introduction to Radio and Television Production ...	3 hours
COMM 4810 Introduction to Communications Research	3 hours
Other Requirements	6 hours
SPEH 4101 Advanced Speech	3 hours
GEOG 1101 Introduction to Human Geography	3 hours
Minor Field	15 hours
Electives	9 hours
Total Hours Required for the Major in Mass	
Communications with Public Relations Concentration . . .	125 hours

MINOR IN MASS COMMUNICATIONS

All students completing a minor in mass communications are required to take and satisfactorily complete fifteen semester hours which must include COMM 2101 and other communications courses at 3000 or higher levels; however, COMM 2106 (African-Americans in the Media) may be taken with permission of the mass communications coordinator or the chair of the department. Suggested courses include, but are not limited to:

COMM 2101 Writing for the Media (required)	3 hours
COMM 3110 Desktop Publishing	3 hours
COMM 3120 Introduction to Communications Theory (Prerequisite: Junior standing)	3 hours
COMM 3302 Speech for Radio and Television	3 hours
COMM 3401 Introduction to Public Relations and Advertising (Prerequisite: COMM 2101)	3 hours

DEPARTMENT OF SOCIAL AND BEHAVIORAL SCIENCES

The Department of Social and Behavioral Sciences offers academic programs in criminal justice, history, political science, sociology and psychology to prepare students for graduate studies and career goals. These programs include scholarly activities designed to develop historical consciousness, awareness of civic responsibilities, appreciation of cultural diversity, and understanding of both human behavior and interpersonal relationships. The department promotes learning experiences that examine the issues, problems resources, and opportunities of Georgia's coastal region, the state, the nation, and the world.

The Department of Social and Behavioral Sciences offers courses leading to the Bachelor of Arts degree in history and Africana Studies. It offers the Bachelor of Science degree in criminal justice, and sociology. The Africana Studies major provides an option to concentrate in the humanities or the social sciences.

Minor programs are available in African-American studies, criminal justice, history, psychology, sociology and gerontology. In conjunction with Armstrong Atlantic State College, the department offers teacher certification program in secondary education for history majors.

The objectives of the department are as follows:

- To provide introductory courses in history, geography, sociology, and psychology for both general knowledge and a foundation for advanced classes;
- To develop students' abilities and skills through critical thinking, logical and quantitative reasoning, effective writing and speaking, and computer literacy;
- To prepare students for graduate work in criminal justice, sociology, psychology, public administration, and other related fields; and
- To prepare students for successful careers in the criminal justice system, education, public administration, foreign service, and other traditional and non-traditional careers in the public and private sectors.

DEPARTMENT OF SOCIAL AND BEHAVIORAL SCIENCES

MAJOR IN AFRICANA STUDIES

Core Curriculum (Areas A, B, C, D, E, and additional requirements)	47 hours
Area F Courses Appropriate to the Program of Study	18 hours
HIST 1111 Survey of World History to Early Modern Times	3 hours
<i>or</i>	
HIST 1112 Survey of World History from Early Time to the present	3 hours
HIST 2112 Survey of U.S. History from the post-Civil War Period to the Present	3 hours
Foreign Language (sequence in French or Arabic)	6 hours
SOC1 1101 Introduction to Sociology	3 hours

Choose one of the following courses:

ENGL 2205 Practical Criticism (Humanities track)	3 hours
PSYC 1101 Introduction to General Psychology	3 hours
GEOG 1101 Introduction to Human Geography	3 hours
ECON 2000 Survey of Economics	3 hours
ANTH 1101 Introduction to Anthropology	3 hours

Major Requirements:

(Required courses: 27 hours and 9 hours from one of two tracks) 36 hours

AFRS/HIST 3301 African-American History	3 hours
AFRS/HIST 3312 The African-American in the 20th Century	3 hours
AFRS/HIST 4701 African History Before 1800	3 hours
AFRS/HIST 4702 African History After 1800	3 hours
AFRS/ENGL 3212 African Literature	3 hours
AFRS/POLS 3601 African-American Politics	3 hours
AFRS/POLS 3141 African Government and Politics	3 hours
AFRS 4601 Senior Seminar	3 hours

Choose one of the following courses:

AFRS/ENGL 4217 African-American Fiction	3 hours
AFRS/ENGL 4218 African-American Nonfiction	3 hours

Social Sciences Track 9 hours

AFRS/SOCI 3401 Social Research Methods	3 hours
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Select two of the following courses:

AFRS/HIST 4301 History of African-American Thought	3 hours
AFRS/PSYC 4311 Psychology of African-American Experience	3 hours
AFRS/SOCI 3611 Minorities in the Social Environment	3 hours
AFRS/SOCI 4421 Seminar in the African-American Experience	3 hours
AFRS/GRNY 3120 African-American Aging	3 hours
AFRS/POLS 3901 Internship, AFRS/HIST 3901 Internship or AFRS/SOCI 3901 Internship	3 hours
AFRS/CRJU 4321 Minorities and Crime	3 hours
AFRS/POLS 3221 Civil Rights and Liberties	3 hours

Humanities Track 9 hours

AFRS/ENGL 3311 Introduction to Language Study	3 hours
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Select two of the following courses:

AFRS/MUSC 3011 African-American Music	3 hours
AFRS/ENGL 4400 Specific Topics – Gullah Culture	3 hours
AFRS/RPHS 3211 Religion and the African-American Experience	3 hours
AFRS/ENGL 3311 African-Caribbean Literature	3 hours
AFRS/FREN 4100 Survey of African and Caribbean Francophone Literature	3 hours
AFRS/ENGL 4211 African-American Drama	3 hours
AFRS/ENGL 3216 African-American Poetry	3 hours
AFRS/COMM 2601 African-Americans in the Media	3 hours
AFRS/ENGL 3212 African-American Oral Tradition	3 hours

Minor Field	15 hours
Electives	9 hours
Total Hours Required for the Major in African and African-American Studies	125 hours

MAJOR IN CRIMINAL JUSTICES

Core Curriculum (Areas A, B, C, D, E, and additional requirements)	47 hours
Area F Courses Appropriate to the Program of Study	18 hours
HIST 1111 Survey of World History to Early Modern Times	3 hours
<i>or</i>	
HIST 1112 Survey of World History from Early Times to the Present	3 hours
SOCI 1101 Introductory Sociology	3 hours
PSYC 1101 Introduction to Psychology	3 hours
CRJU 2101 Crime, Law, and Society	3 hours
Foreign Language sequence (Two courses at any level)	6 hours
Major Requirements:	45 hours
SOCI 2101 Social Statistics	3 hours
CRJU 3101 American Policing	3 hours
CRJU 3111 American Court Systems	3 hours
CRJU 3121 American Corrections	3 hours
CRJU 3131 Research Methods	3 hours
CRJU 3301 Constitutional Law in the Criminal Process	3 hours
CRJU 3901 Internship	12 hours
CRJU 4111 Criminology	3 hours
CRJU 4301 Jurisprudence of Criminal Law	3 hours
CRJU 4321 Minorities and Crime	3 hours
CRJU 4901 Senior Seminar	3 hours
<i>Choose one of the following courses:</i>	
CRJU 4101 Criminal Investigations	3 hours
CRJU 4311 Juvenile Justice	3 hours
CRJU 4331 Comparative Criminal Justice Systems	3 hours
CRJU 4501 Violence, Crime, and Justice	3 hours
CRJU 4521 Criminal Justice Management	3 hours
CRJU 4601 Selected Topics in Criminal Justice	3 hours
CRJU 4701 Criminal Law Practicum	3 hours
Minor Field	15 hours
Total Hours Required for the Major in Criminal Justice	125 hours

MAJOR IN HISTORY

Core Curriculum (Areas A, B, C, D, E, and additional requirements)	47 hours
Area F Courses Appropriate to the Program of Study	18 hours
Choose one of the following courses:	3 hours
HIST 1111 Survey of World History to Early Modern Times	
HIST 1112 Survey of World History from Early Times to the Present	
Choose one of the following courses:	3 hours
HIST 2111 A Survey of U.S. History to the Post-Civil War Period	
HIST 2112 A Survey of U.S. History from the Post-Civil War Period to the Present	
GEOG 1101 Introduction to Human Geography	3 hours
Foreign Language sequence (Two courses at any level)	6 hours
Choose one of the following courses:	3 hours
ECON 3000 Survey of Economics	
SOCI 1101 Introductory Sociology	
PSYC 1101 Introduction to General Psychology	
Major Requirements:	30 hours
<i>Note: All history courses must be completed with a minimum grade of "C."</i>	
HIST 3101 Historical Research	3 hours
HIST 4901 Senior Seminar	3 hours
Choose eight courses with at least one from areas A, B, C, and D (E is optional)	24 hours
Area A – African and African-American History	
HIST 3301 African-American History before 1900	3 hours
HIST 3312 African-American History in the Twentieth Century	3 hours
HIST 4301 History of African-American Thought	3 hours
HIST 4701 African History before 1800	3 hours
HIST 4702 African History since 1800	3 hours
Area B – Asian and Latin American History	
HIST 3601 Colonial and Early National Latin American History	3 hours
HIST 3801 Modern Asian History	3 hours
HIST 4601 Latin America in the Modern World	3 hours
HIST 4801 History of China since 1600	3 hours
HIST 4805 Twentieth Century East Asian Economic History	3 hours
Area C – European History	
HIST 3411 History of Early Modern Europe	3 hours
HIST 3412 History of Modern Europe	3 hours
HIST 4411 History of Modern Britain	3 hours

Area D – United States History

HIST 3501 Colonial America	3 hours
HIST 3502 American Revolution and New Nation	3 hours
HIST 3503 American Civil War and Reconstruction	3 hours
HIST 3504 Recent American History	3 hours

Area E – Other

HIST 3901 Internship	Credit varies
HIST 3909 Readings in History	Credit varies
HIST 4511 Topics in American History	Credit varies

Minor Field	15 hours
Electives	15 hours
Total Hours Required for the Major in History	125 hours

MAJOR IN SOCIOLOGY

Core Curriculum (Areas A, B, C, D, E, and additional requirements)	47 hours
Area F Courses Appropriate to the Program of Study	18 hours
SOCI 1101 Introductory Sociology	3 hours
SOCI 2101 Social Statistics	3 hours
PSYC 1101 Introduction to Psychology	3 hours
Foreign Language sequence <i>(Two courses at any level)</i>	6 hours
Choose one of the following courses:	
GEOG 1101 Introduction to Human Geography	3 hours
ANTH 1102 Introduction to Anthropology	3 hours
Major Requirements:	39 hours
SOCI 2211 Social Problems	3 hours
SOCI 3036 Social Stratification	3 hours
SOCI 3202 Classical Theory	3 hours
SOCI 3312 Contemporary Sociological Theory	3 hours
SOCI 3401 Social Research Methods	3 hours
SOCI 4901 Senior Seminar	3 hours
Select electives from the numerical levels	
One 2000 SOCI elective	3 hours
Two 3000 SOCI electives	6 hours
Two 4000 SOCI electives	6 hours
Electives (select any other two courses which were not taken in the numerical levels)	6 hours
SOCI 2209 Deviance and Conformity	3 hours
SOCI 2122 Sociology of Poverty	3 hours
SOCI 3101 Sociology of Family	3 hours
SOCI 3360 Sociology of Aging	3 hours
SOCI 3425 Sex, Roles and Gender	3 hours
SOCI 3611 Minorities and the Social Environment	3 hours
SOCI 3501 Criminology	3 hours
SOCI 3322 Juvenile Delinquency	3 hours
SOCI 3621 Demography	3 hours

SOCI 3631 Urban Sociology	3 hours
SOCI 3651 Sociology of Religion	3 hours
SOCI 3901 Internship	6 hours
SOCI 4135 Sociology of Law	3 hours
SOCI 4421 Seminar on the African American Experience	3 hours
SOCI 4101 Independent Study	3 hours
SOCI 4601 Special Topics	3 hours
Electives	6 hours
Minor Field	15 hours

MINOR IN SOCIOLOGY

SOCI 1101 Introduction to Sociology	3 hours
SOCI 3202 Classical Theory or SOCI 4201 Contemporary Theory	3 hours
One 4000 level SOCI course	3 hours
Two SOCI electives	6 hours
Total Hours	15 hours

MINORS IN THE DEPARTMENT OF SOCIAL AND BEHAVIORAL SCIENCES

MINOR IN AFRICANA STUDIES

AFRS/HIST 3301	3 hours
Choose four of the following courses:	12 hours
AFRS/HIST 3312 The African-American in the 20th Century	3 hours
AFRS/HIST 4301 History of African-American Thought	3 hours
AFRS/POLS 3601 African-American Politics	3 hours
AFRS/PSYC 4311 Psychology of the African-American	3 hours
AFRS/SOCI 4421 Seminar in the African-American Experience	3 hours
AFRS/ENGL 3216 African-American Poetry	3 hours
AFRS/ENGL 4211 African-American Drama	3 hours
AFRS/ENGL 4218 African-American Nonfiction	3 hours
Total Hours	15 hours

MINOR IN CRIMINAL JUSTICE

CRJU 2101 Crime, Law, and Society	3 hours
CRJU 3301 Constitutional Law in the Criminal Process	3 hours
CRJU 4301 Criminal Law	3 hours
Two additional courses (except CRJU 3901 or 4901)	6 hours
Total Hours	15 hours

MINOR IN HISTORY

The History minor consists of 15 hours with a least one course from each of the following areas:

African and African-American History

(HIST 3301, 3412, 4701, 4702)

Asian and Latin American History

(HIST 3601, 3801, 4601, 4801, 4805)

European History (HIST 3411, 3412, 4411)

United States History (HIST 3501, 3502, 3503, 3504)

Total Hours **15 hours**

MINOR IN POLITICAL SCIENCE

POLS 2101 Introduction to Political Science 3 hours

Four other POLS courses 12 hours

(Note: Students who take POLS 2101 in the core curriculum will need an additional POLS elective in the minor.)

Total Hours **15 hours**

MINOR IN SOCIOLOGY

SOCI 1101 Introduction to Sociology 3 hours

SOCI 3202 Classical Theory or

SOCI 4201 Contemporary Theory 3 hours

One 4000 level SOCI course 3 hours

Two SOCI electives 6 hours

Total Hours **15 hours**

MINOR IN PSYCHOLOGY

PSYC 3101 Advanced General Psychology 3 hours

PSYC 3201 History of Psychology 3 hours

Three other upper level psychology courses 9 hours

(PSYC 1101 is a prerequisite for all other courses)

Total Hours **15 hours**

MINOR IN GERONTOLOGY

GRNY 2101 Introduction to Gerontology 3 hours

Four other GRNY courses 12 hours

Total Hours **15 hours**

DEPARTMENT OF SOCIAL WORK BACHELOR OF SOCIAL WORK PROGRAM

Program

The bachelor's degree in social work is a carefully articulated program providing both the academic and experiential background for students seeking a career in the varied and expanding field of social work. It is accredited by the Council on Social Work Education. An application-oriented major, it is based on a synthesis of knowledge from several social sciences, together with methodologies of intervention at the individual, group, and community levels. Social work graduates are educated to respond in an informed way to identifiable social work needs in a variety of settings. The program's orientation and its synthesis of knowledge from the liberal arts focus on specific social work methods and practical skills and values. The social work major is structured around four interrelated components: theoretical foundations/intervention strategies; client population/cultural diversity; research/evaluation; and skills development/fieldwork.

Selective Admission Requirement

Students interested in declaring social work as a major are required to complete a formal application to the BSW Program. Completed applications are evaluated by the BSW Admissions Committee and recommendations are forwarded to the BSW Program Director. Typically, application is made in the sophomore year after completion of SOWK 2200 Human Needs and Human Services. Admission to the program is on a selective basis according to the following criteria:

- Completion of the General Core Curriculum
- Minimum grade point average (GPA) of 2.0
- A completed application with instructions for the following:
 1. The autobiographical statement
 2. Letters from two professional references
 3. An official transcript
 4. An interview may be requested by the committee

Academic credit for life and previous work experience is not considered in whole or in part in lieu of the above admissions requirements or in lieu of any courses for field practicum requirements.

An orientation to the BSW Program is held in the Fall semester for new students. Attendance is required.

Requirements for Graduation

In addition to Savannah State University's core curriculum requirements (Areas A, B, C, D, E, and additional requirements), social work majors are required to complete 78 hours of course work: 18 hours of the core curriculum (courses appropriate to the program of study) and 60 hours from the major.

MAJOR IN SOCIAL WORK

Core Curriculum (Areas A, B, C, D, E, and additional requirements)	47 hours
Area F Courses Appropriate to the Program of Study	18 hours
SOCI 1101 Introductory Sociology	3 hours
SOWK 2101/SOCI 2101 Research	3 hours
SOWK 2200 Human Needs and Human Services	3 hours
Foreign Language sequence	6 hours
<i>(Two courses at any level)</i>	
<i>One of the following courses:</i>	
ANTH 1102	3 hours
PSYC 1101	3 hours
POLS 2101	3 hours
Major Requirements:	48 hours
SOWK 2205 History of Social Welfare and Social Policy	3 hours
SOWK 3101 Research Methods	3 hours
SOWK 3201 Human Behavior and the Social Environment I	3 hours
SOWK 3202 Human Behavior and the Social Environment II	3 hours
SOWK 3220 Human Diversity and Social Work Practice	3 hours
SOWK 3305 Introduction of Social Work Practice	3 hours
SOWK 3340 Interventive Methods I	3 hours
SOWK 3341 Interventive Methods II	3 hours
SOWK 3342 Interventive Methods III	3 hours
SOWK 4410 Implementation of Social Welfare Policies	3 hours
SOWK 4701 Field Experience I	6 hours
SOWK 4702 Field Experience II	6 hours
SOWK 4901 Senior Seminar I	3 hours
SOWK 4902 Senior Seminar II	3 hours
<i>Choose two of the following courses:</i>	
SOWK 4106 Social Work with Families and Children	3 hours
SOWK 4201 Gerontological Social Work	3 hours
SOWK 4301 Substance Abuse Intervention Strategies	3 hours
SOWK 4510 Crisis Intervention	3 hours
Choose two General Electives	6 hours
Total Hours Required for the Major in Social Work	125 hours

MASTER OF SOCIAL WORK PROGRAM

The Master of Social Work (MSW) Program is accredited under the Council on Social Work Education. The MSW program is designed to prepare students for entry into advanced social work practice. The two year (60 credit hours) degree program consists of a foundation curriculum which provides knowledge, values, and skills common to generalist social work practice; a set of concentration courses in either clinical or social administration practice; and two field practicum courses which are designed to enhance the competencies in the foundation and concentration areas. *(See Graduate Programs for Details)*

DEPARTMENT OF POLITICAL SCIENCE AND PUBLIC ADMINISTRATION

POLITICAL SCIENCE

DESCRIPTION OF THE PROGRAM

The Political Science major offers students a broad based educational experience ranging from local government administration to international politics. Faculty interests cover all of the specialties within the political science discipline. Courses offered range from politics in the United States with special emphasis on the African-American political experience, other political systems, relations among nations, constitutional issues, research skills, and continues with exposure to political philosophy and legal issues.

CAREER OPPORTUNITIES

Political Science majors develop analytical and problem solving abilities, as well as intensive written and oral communications skills. This major provides a solid foundation for graduate education in law and public administration. Students have gone on to pursue doctoral degrees in political science, law degrees and masters level degrees. Political Science also equips students for careers in public service, political campaign work, and numerous management positions in the private sector.

MAJOR IN POLITICAL SCIENCE

Core Curriculum (Areas A, B, C, D, E, and additional requirements)	47 hours
Area F Courses Appropriate to the Program of Study	18 hours
POLS 2101 Introduction to Political Science	3 hours
<i>Choose one of the following courses:</i>	
HIST 2111 A Survey of U.S. History to the Post Civil War Period	3 hours
HIST 2112 A Survey of U.S. History from the Post Civil War Period to the Present	3 hours
SOCI 2101 Social Statistics	3 hours
Foreign Language sequence (Two courses at any level)	6 hours

Choose one of the following courses:

GEOG 1101 Introduction to Human Geography	3 hours
ANTH 1102 Introduction to Anthropology	3 hours

Major Requirements **36 hours**

POLS 3301 Research Methods in Political Science	3 hours
POLS 3601 African-American Politics	3 hours
POLS 4201 Political Theory	3 hours
POLS 4901 Senior Seminar	3 hours
Six other upper division POLS courses	18 hours

Choose two courses from one of the following tracks: **6 hours****Pre-law Track**

POLS 3211 American Constitutional Law	3 hours
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Choose one of the following courses:

POLS 3201 American Judicial Process	3 hours
POLS 3121 International Law	3 hours
POLS 3221 Civil Rights and Liberties	3 hours
POLS 3401 Administrative Law	3 hours
POLS 4511 Public Policy	3 hours

Public Administration/Policy Track

POLS 2601 Introduction to Public Administration	3 hours
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Choose one of the following courses:

POLS 2201 State and Local Government	3 hours
POLS 3401 Administrative Law	3 hours
POLS 3501 Public Personnel Administration	3 hours
POLS 3511 Organization Theory and Behavior	3 hours
POLS 3811 Gender and Politics	3 hours
POLS 4511 Public Policy	3 hours

International/Comparative Politics Track

POLS 3102 Comparative Government and Politics	3 hours
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Choose one of the following courses:

POLS 3101 International Politics	3 hours
POLS 3121 International Law	3 hours
POLS 3131 International Organization	3 hours
POLS 3141 African Government and Politics	3 hours
POLS 4401 Politics of Less Developed Countries	3 hours
POLS 4601 American Foreign Policy	3 hours

Minor Field **15 hours****Electives** **9 hours****Total Hours Required for the Major in Political Science** **125 hours****MINOR IN POLITICAL SCIENCE**

POLS 2101 Introduction to Political Science	3 hours
Four other POLS courses	12 hours

(Note: Students who take POLS 2101 in the core curriculum will need an additional POLS elective in the minor.)

Total Hours **15 hours**

MASTER OF PUBLIC ADMINISTRATION PROGRAM

Consistent with Savannah State University's unique and historic mission as one of three historically black colleges and universities in the University System of Georgia, the Master of Public Administration program seeks to be the program of choice for non-traditional managers in our region. The program offers traditional managers opportunities to learn in a multicultural environment. The purpose of the Master of Public Administration program at Savannah State University is to:

1. Prepare public managers to assume management and leadership positions in a variety of organizational settings in Coastal Georgia and beyond.
2. Advance the knowledge base in the field of public administration through scholarly research and publications.
3. Serve the profession and community by using our expertise and intellectual resources to address needs in our service areas. **(See Graduate Programs for Details)**

MASTER OF SCIENCE IN URBAN STUDIES PROGRAM

The Masters of Science in Urban Studies (MSUS) is an interdisciplinary, collaborative graduate program between the College of Liberal Arts and Social Sciences (CLASS) at Savannah State University (SSU) and the College of Arts and Sciences (CAS) at Armstrong Atlantic State University (AASU). The principal objectives of the program include the development of analytical and research skills and the utilization of the intellectual resources necessary for the generation of new knowledge of urban areas in Georgia and worldwide; and to add to the general public's awareness of the problems and strengths of Georgia's urban areas through community activity. **(See Graduate Programs for Details)**

COLLEGE OF SCIENCES AND TECHNOLOGY

DEPARTMENT OF NATURAL SCIENCES AND MATHEMATICS

Biology
Chemistry
Environmental Science
Mathematics
Marine Science
Master of Marine Science

DEPARTMENT OF ENGINEERING TECHNOLOGY

Civil Engineering Technology
Chemical Engineering Technology
Computer Science Technology
Electronic Engineering Technology
Mechanical Engineering Technology
Engineering Degree Programs
 Georgia Tech Regional Engineering Program
 Regents Engineering Transfer Program
 Dual Degree Programs

DEPARTMENT OF NAVAL SCIENCE

Navy ROTC

DEPARTMENT OF MILITARY SCIENCE

Army ROTC



COLLEGE OF SCIENCES AND TECHNOLOGY

The College of Sciences and Technology comprises of four departments: the Department of Natural Sciences and Mathematics, the Department of Engineering Technology, the Department of Naval Science and the Department of Military Science. It offers Bachelor of Science degree programs with majors in Biology, Chemistry, Environmental Studies, Marine Science, Mathematics, Chemical Engineering Technology, Civil Engineering Technology, Computer Science Technology, Electronics Engineering Technology, and Mechanical Engineering Technology.

The College offers Master of Science degree in Marine Science. In collaboration with Georgia Tech, it also offers engineering degree programs under Georgia Tech Regional Engineering Program (GTREP), Regents Engineering Transfer Program (RETP) and Dual degree program.

The Naval Reserve Officers Training Program gives young men and women the choice of attending college in an academic discipline of their choice while at the same time receiving military training that culminates at being commissioned as military officers in the Navy or Marine corps upon completion of the baccalaureate degree.

The Army Reserve Officers Training Program enhances a student's education by providing unique leadership and management training along with practical experience. It helps a student develop many of the qualities basic to success in the Army, or in a civilian career. ROTC gives students a valuable opportunity to build for the future by enabling them to earn a college degree and an officer's commission at the same time.

Core Curriculum

All students enrolled for the first time in the fall of 1998 must complete the core curriculum, which consists of six areas and includes sixty semester hours of course work. Students enrolled prior to the fall of 1998 and who have not completed the quarter hour core curriculum must complete the new core curriculum. Quarter hour courses completed will be converted to semester hours and the total hours in the old core curriculum will be subtracted from sixty. Students will then complete that number of hours in the new core curriculum.

Numbers in parentheses following course description indicate, in subsequent order, the number of hours of lecture each week, the number of laboratory hours each week and the semester hour credit the course carries.

Students seeking degrees with any major through the College of Sciences and Technology are required to complete the University's "Core Curriculum".

Students then select and complete the requirements for a specific major curriculum as described in the appropriate sections of this catalog.

THE DEPARTMENT OF NATURAL SCIENCES AND MATHEMATICS

MISSION

The two-fold mission of the Department of Natural Sciences and Mathematics is:

- To graduate students prepared to perform at high levels of excellence and productivity in their chosen fields of endeavors in a changing technological society and the global community.
- To provide academic course offerings that include teaching and research opportunities that prepare students for careers or graduate studies in medical, marine science, environmental science, biological, chemistry, physical science and mathematical fields.

The mission is realized through its goals:

- To offer foundation courses in biology, chemistry, marine science, environmental science, physical science and mathematics that enhance a liberal arts education and serve as a basis for advanced studies.
- To develop courses which develop competencies in critical thinking, oral and written communication, creative thinking, and problem solving.
- To offer a variety of courses which prepare and enhance the professional growth of traditional and nontraditional students.
- To offer scholarly and research activities which enhance the continued educational and professional growth of faculty members.
- To develop structured web-based courses.

The philosophy and purposes of the Department of Natural Sciences and Mathematics are, in general, consistent with the overall philosophy of the university. Specifically, the Department accepts the responsibility of preparing students for job opportunities in the professional arena:

- To gain basic preparation, knowledge and skills necessary to the satisfaction of their general needs of home and society.
- To acquire specialized training in one of the natural sciences or mathematics, to develop individual talents and intellectual curiosity that is essential to further study and progress.
- To develop an understanding of mental, emotional, and physical health, and to practice habits that are conducive to sound personal and community health.

The Department of Natural Sciences offers a graduate degree in Marine Sciences; undergraduate degrees in Biology, Chemistry, Marine Science, Environmental Science and Mathematics; and minors in Biology, Chemistry, Marine Science, and Mathematics.

BIOLOGY

The Program in Biology within the Department of Natural Science and Mathematics offers curricula leading towards B.S. degrees in Biology or Secondary Education in Biology. Additional courses are offered for students with a general interest in the life sciences, but these courses are not counted toward the above-mentioned degree programs.

The options within the program emphasize distinct training to pursue careers in research, education, biomedicine, biotechnology, or unique paths selected by the students in consultation with their faculty advisors. Related Programs in Environmental Science and Marine Science are coordinated with the Program in Biology, primarily concerning joint enrollment in the Principles of Biology I & II classes. Specific upper level courses from the Marine Science and Environmental Science Programs may be counted toward the degrees in Biology. Students will need to discuss specific options with their advisors.

Students will have the option to specialize in areas ranging from molecular mechanisms to ecological analysis. A broad range of course materials emphasizing critical thinking will be cultivated by involvement in investigative techniques ranging from laboratory experiments to individual research projects. Students will be encouraged to think beyond the classroom and participate in activities on and off campus.

A departmental Exit Exam is required of all students applying for graduation with a degree from the program. The Exit Exam will be a summary test of the biology core course material specific to the program of study, and it will be administered within a senior level course specific to the program of study. The Exit Exam will be graded on a pass-fail basis, and a passing grade is required for graduation. Biology majors will take the Exit Exam while enrolled in Biology 4930. Biology Education majors will take the Exit Exam while enrolled in Biology 4901.

All students must pass both parts of the Regents' Test and must earn a minimum grade of "C" in all courses specified as major/minor requirements.

PROGRAMS OF STUDY BACHELOR OF SCIENCE IN BIOLOGY

The Bachelor of Science in Biology can be earned by the completion of different courses, all centered on common core courses. The university Core Curriculum is followed by the core courses in biology, and includes required courses in chemistry, mathematics, and physics.

Electives within the department allow for training to focus on specific career objectives. Electives will be selected following consultation with the faculty advisor. For example, the health-science or biomedical option can be used as the foundation for careers as a medical doctor, dentist, veterinarian, or many other related professions.

Majors are reminded to be aware of the non-degree courses offered by the department (see below). These courses will not earn credit toward the degrees within the program. A grade of 'C' or better is required in all courses required for the degree.

University Core Curriculum (Areas A, B, C, D, E and additional requirements) (Area D includes natural science electives, and biology majors will enroll in Principles of Chemistry I & II, Chem. 1211, 1211L, 1212, 1212L)	47 hours
Area F (within University Core Curriculum, specific to the major course of study)	18 hours
Principles of Biology I, Biol. 1107	3 hours
Principles of Biology I Lab, Biol. 1107L	1 hour
Principles of Biology II, Biol. 1108	3 hours
Principles of Biology II Lab, Biol. 1108L	1 hour
Calculus, Math 2101 (or approved math course)	4 hours

Computer or Foreign Language course	3 hours
Additional math/science approved electives	3 hours
MAJOR IN BIOLOGY	60 hours
Molecular and Cellular Biology, with lab, Biol. 2201, 2201L	4 hours
Ecology and Evolutionary Biology, with lab, Biol. 2401, 2401L	4 hours
Botany, with lab, Biol. 3101, 3101L	4 hours
Genetics, with lab, Biol. 3301, 3301L	4 hours
Microbiology, with lab, Biol. 3321, 3321L	4 hours
Physiology, with lab, Biol. 3801, 3801L	4 hours
Introductory Physics I, Phys 1111K	4 hours
Introductory Physics II, Phys 1112K	4 hours
Organic Chemistry I, with lab, Chem. 2501, 2501L	4 hours
Organic Chemistry II, with lab, Chem. 2511, 2511L	4 hours
Senior Seminar, Biol. 4901	1 hour
Research or Internship, Biol. 4920	2 hours
Senior Synthesis (includes Exit Exam), Biol. 4930	2 hours
Electives	15 hours

Biology Elective Options (at least 15 credit hours of courses will be selected from options in consultation with advisor):

Premedical-Health Science – Vertebrate Anatomy w/lab (Biol. 3511, 3511L required), Developmental Biology w/lab (Biol. 4611, 4611L required), and seven hours from: Physiological Chemistry (Biol. 4651, 4651L), Biochemistry (Chem. 4101, 4101L), Neuroscience (Biol. 4601, 4601L), Endocrinology (Biol. 4631, 4631L), Immunology (Biol. 4681, 4681L), or Parasitology (Biol. 4641, 4641L).

Biotechnology Track – Biotechnology – an Overview (Biol. 4301, 4301L), Genetic Engineering Technology I (4411, 4411L), Gen. Eng. Tech. II (4412), Biochemistry (Chem. 4101, 4101L), or other relevant courses approved by the advisor.

BACHELOR OF SCIENCE IN BIOLOGY WITH CERTIFICATION IN SECONDARY EDUCATION

The Program in Biology works in conjunction with the College of Education at Armstrong Atlantic State University to provide a coordinated program in teacher education. The student will complete courses for the university core curriculum, the biology core curriculum, and will take additional courses through the College of Education that can be used to apply for certification as a licensed secondary school teacher.

Additional requirements for teacher certification include completion of standardized tests (Praxis I & II), CPR training, and student teaching under the supervision of licensed teachers. Students are strongly encouraged to work closely with their advisors for this degree option. A grade of 'C' or better is required in Area F and all major courses.

University Core Curriculum (Areas A, B, C, D, E and additional requirements) (Area D includes natural science electives, and biology education majors will enroll in Principles of Chemistry I & II, Chem. 1211, 1211L, 1212, 1212L)	47 hours
Area F (within Core Curriculum, specific to the major course of study)	18 hours
Principles of Biology I, Biol. 1107	3 hours
Principles of Biology I Lab, Biol. 1107L	1 hour
Principles of Biology II, Biol. 1108	3 hours
Principles of Biology II Lab, Biol. 1108L	1 hour
Calculus, Math. 2101 (or approved math course)	4 hours
Vertebrate Anatomy, Biol. 3511	3 hours
Additional math/science/computer approved electives	3 hours
Major Requirements in Biology	45 hours
Molecular and Cellular Biology, with lab, Biol. 2201, 2201L	4 hours
Ecology and Evolutionary Biology, with lab, Biol. 2401, 2401L	4 hours
Botany, with lab, Biol. 3101, 3101L	4 hours
Genetics, with lab, Biol. 3301, 3301L	4 hours
Microbiology, with lab, Biol. 3321, 3321L	4 hours
Invertebrate Zoology, with lab, MSCI 3401, 3401L	4 hours
Physiology, with lab, Biol. 3801, 3801L	4 hours
Introductory Physics I, Phys 1111K	4 hours
Introductory Physics II, Phys 1112K	4 hours
Organic Chemistry I, with lab, Chem. 2501, 2501L	4 hours
Organic Chemistry II, with lab, Chem. 2511, 2511L	4 hours
Senior Seminar, Biol. 4901	1 hour
Major Requirements in Education*	15 hours
Adolescent Growth & Development, MGSE 2150	3 hours
Educ. Stud. W/Disabilities in Gen. Ed. Classes, EEEXE 5100U	3 hours
Secondary Curriculum & Methods, MGSE 3050	3 hours
Secondary Curriculum & Methods: Science, MGSE 4472	3 hours
Classroom Management: 7-12, MGSE 4090	3 hours
Student Teaching*	
MGSE 4750 – Student Teaching: 7-12	9 hours

***These courses will be completed through AASU (Armstrong Atlantic State University).**

Non-Degree Options

Certain courses are only offered for students who do not intend to earn the degree in biology or biology education. These courses are intended to provide electives for majors in other departments, or as preliminary courses for students planning to move on to other programs.

General Biology, Biol. 1103	3 hours (can be used for area D)
General Biology Lab, Biol. 1103L	1 hour (can be used for area D)
Human Biology, Biol. 1104	3 hours (can be used for area D)
Human Biology Lab, Biol. 1104L	1 hour (can be used for area D)
Human Anatomy and Physiology I, Biol. 2515K	4 hours
Human Anatomy and Physiology II, Biol. 2516K	4 hours

[2515K & 2516K meet requirements for many health-related career programs (e.g. nursing, physical therapy – check with the program of interest)]

CHEMISTRY

The Chemistry program is aimed at providing the fundamental knowledge required for participation in chemically oriented industries, for graduate study for chemistry or in preparation for medical and dental studies.

The Program in Chemistry offers courses leading to the degree of Bachelor of Science with majors in Chemistry, Chemistry with Pre-Professional Option and Chemistry with Teachers Certificate Option. Minor concentrations are offered in Chemistry, Polymer Chemistry and Forensic Science.

The Bachelor of Science in Chemistry degree program is designed to give a strong foundation in physical, inorganic, organic and analytical chemistry and the program provides flexibility to satisfy a range of career goals. The chemistry curriculum options enable majors to meet the admission requirements for medical, dental, pharmacy, veterinary and graduate schools. The Teacher Certificate Option is available to students who are interested in teaching.

The Program in Chemistry requires majors to earn a minimum grade of "C" in each of the courses required for the degree. A pass in the exit examination is a requirement for graduation. The exit examination is a test in all the major areas of chemistry: analytical, biochemistry, inorganic, organic and physical chemistry.

BACHELOR OF SCIENCE IN CHEMISTRY

Core Curriculum (Areas A, B, C, D, E and additional requirements)	47 hours
Area F	18 hours
MATH 2101 Calculus I	4 hours
MATH 2111 Calculus II	4 hours
CHEM 1211, 1211L Principles of Chemistry I	4 hours
CHEM 1212, 1212L Principles of Chemistry II	4 hours
CHEM 2101 Quantitative Analysis	4 hours
OR	
CHEM 1211HK Honors Principles of Chemistry	4 hours
CHEM 1311 Inorganic Chemistry	3 hours
CHEM 1401 Opportunities In Chemistry	1 hour
CHEM 2101 Quantitative Analysis	2 hours

Major requirements	60 hours
Chemistry Foundation Requirements	35 hours
CHEM 3101 Analytical Chemistry	4 hours
CHEM 3201, 3201L Instrumental & Data Analysis	4 hours
CHEM 3302, Research or Internship	2 hours
CHEM 3401, 3401L Physical Chemistry I	4 hours
CHEM 3411, 3411L Physical Chemistry II	4 hours
CHEM 2501, 2501L Organic Chemistry I	4 hours
CHEM 2511, 2511L Organic Chemistry II	4 hours
CHEM 3522 Techniques of Organic Chemistry	2 hours
CHEM 4101 Biochemistry	3 hours
CHEM 4121 Advanced Inorganic Chemistry	3 hours
CHEM 4901 Chemical Seminar	1 hour
Chemistry electives	8 hours
(These courses are to be selected by the student in consultation with his/her advisor, and approved by the coordinator of the Chemistry Program.)	
Additional Requirements	11 hours
PHYS 1111 General Physics I	4 hours
PHYS 1112 General Physics II	4 hours
OR	
PHYS 2211 Principles of Physics I	4 hours
PHYS 2212 Principles of Physics II	4 hours
CSCI 1301 Computer Science I	3 hours
Foreign Language Sequence	6 hours
<i>Choose one sequence from the following:</i>	
FREN 1001 Elementary French I	3 hours
FREN 1002 Elementary French II	3 hours
GRMN 1001 Elementary German I	3 hours
GRMN 1002 Elementary German II	3 hours
SPAN 1001 Elementary Spanish I	3 hours
SPAN 1002 Elementary Spanish II	3 hours
Total Hours Required for the Major in Chemistry	125 hours

BACHELOR OF SCIENCE IN CHEMISTRY – PRE-PROFESSIONAL OPTION

Students who are interested in careers in medicine, dentistry, veterinary medicine, pharmacy, and biomedical research may choose this option.

Core Curriculum (Areas A, B, C, D, E and additional requirements)	47 hours
Area F	18 hours
MATH 2101 Calculus I	4 hours
MATH 2111 Calculus II	4 hours
CHEM 1211, 1211L Principles of Chemistry I	4 hours
CHEM 1212, 1212L Principles of Chemistry II	4 hours
CHEM 2101 Quantitative Analysis	2 hours

Major Requirements	60 hours
Chemistry Foundation Requirements	33 hours
CHEM 2501, 2501L Organic Chemistry I	4 hours
CHEM 2511, 2511L Organic Chemistry II	4 hours
CHEM 3101, 3101L Analytical Chemistry	4 hours
CHEM 3201, 3201L Instrumental and Data Analysis	4 hours
CHEM 3401, 3401L Physical Chemistry I	4 hours
CHEM 3411, 3411L Physical Chemistry II	4 hours
CHEM 3522 Techniques of Organic Chemistry	2 hours
CHEM 4101, 4101L Biochemistry	4 hours
CHEM 4111 Advanced Biochemistry	3 hours
Additional Related Courses	27 hours
BIOL 1107K Principles of Biology I	4 hours
BIOL 1108K Principles of Biology II	4 hours
CSCI 1301 Computer Science I	3 hours
*Biology Electives	16 hours

*Biology Electives: At least one course must be taken from each of the following groups:

Group A: BIOL 2515K, 2516K (Human Anatomy and Physiology I and II); BIOL 3801/3801L (Physiology), BIOL 3511/3511L (Vertebrate Anatomy).

Group B: BIOL 3321/3321L (Microbiology), BIOL 3201/3201L (Cellular and Molecular Biology), BIOL 3301/3301L (Genetics), BIOL 4221/4221L (Microbial Physiology) BIOL 4211/4211L (Reproductive Biology).

BACHELOR OF SCIENCE IN CHEMISTRY – TEACHER CERTIFICATE OPTION

This program option is designed to provide students with the appropriate combination of chemistry and education courses so that they will be prepared to teach chemistry at the high school level.

Core Curriculum (Areas A, B, C, D, E and additional requirements)	47 hours
Area F	18 hours
MATH 2101 Calculus I	4 hours
MATH 2111 Calculus II	4 hours
CHEM 1211, 1211L Principles of Chemistry I	4 hours
CHEM 1212, 1212L Principles of Chemistry II	4 hours
CHEM 2101 Quantitative Analysis	2 hours
Major Requirements	60 hours
Chemistry Foundation Requirements	26 hours
CHEM 2501, 2501L Organic Chemistry I	4 hours
CHEM 2511, 2511L Organic Chemistry II	4 hours
CHEM 3101, 3101L Analytical Chemistry	4 hours
CHEM 3401, 3401L Physical Chemistry I	4 hours
CHEM 3411, 3411L Physical Chemistry II	4 hours
CHEM 3522 Techniques of Organic Chemistry	2 hours
CHEM 4101, 4101L Biochemistry	4 hours

Additional Related Course	34 hours
BIOL 1107K Principles of Biology I	4 hours
BIOL 1108K Principles of Biology II	4 hours
Education Courses	26 hours

CHEMISTRY PROGRAM MINORS

Chemistry Minor	16-18 hours
CHEM 3101, 310L Analytical Chemistry	4 hours
CHEM 3201, 3201L Instrumental & Data Analysis	4 hours
CHEM 3401, 3401L Physical Chemistry	4 hours
CHEM 3421, 3421L Biophysical Chemistry	4 hours
CHEM 4101 Biochemistry	4 hours
CHEM 4121 Advanced Inorganic Chemistry	3 hours
CHEM 4531 Advanced Organic University	3 hours
Polymer Chemistry Minor	16 hours
CHEM 4601, 4601L Polymer Chemistry	4 hours
CHEM 4611, 4611L Organic Chemistry of Polymer	3 hours
CHEM 4801 Special Topics	3 hours
CHET 3101 Introduction to Chemical Engineering Technology ...	1 hour
CHET 3201 Process Operations	3 hours
CHET 3221 Unit Operations	3 hours
Forensic Science Minor	15 hours
FSCI 3201 Forensic Evidence in Law Enforcement	3 hours
FSCI 3301, 3301L Principles of Forensic Science	4 hours
FSCI 4101, 4101L Personal Identification and DNA Finger Print Analysis	4 hours
FSCI 4201, 4201L Drug Abuse & Drug Analysis	4 hours

ENVIRONMENTAL SCIENCE

The Department of Natural Sciences and Mathematics offers courses leading to the degree of Bachelor of Science with a major in Environmental Science. In addition, the program also offers courses leading to a minor option in environmental science for science and non-science majors. The objectives of the program are as follows:

1. To provide a broad-based curriculum and specialization involving integration of information from different disciplines such as natural and social science and leading to a degree in environmental science.
2. To offer courses that satisfy the environmental science curriculum requirements for persons planning to pursue careers in the environmental sciences and related disciplines as well as preparation for advanced study in environmental related disciplines.
3. To offer core courses in environmental science for science and non-science majors for completion of a minor option.
4. To participate in community outreach activities as professional scientists, educators and representatives of the University.
5. To encourage student and faculty from all disciplines to participate in environmental research and to be active in pursuit of the knowledge of sustainable development. Critical thinking, data analysis and interpretation; computer application and instrumentation usage skills are to be developed.

The Environmental Science Program requires majors to earn a minimum grade of "C" in each course required for the degree as well as for the minor option.

Program of Study

The Bachelor of Science in Environmental Science can be earned by the completion of different courses, all centered on common core courses. The University Core Curriculum is followed by the core courses in environmental science, and includes required courses in biology, chemistry, mathematics, and physics. Electives or course options will be selected following consultation with the faculty advisor.

COMPREHENSIVE EXAMINATION

A departmental Exit Exam is required of all students applying for graduation with a degree from the program. The Exit Exam will be a summary test of core course material specific to the program of study, and will be administered within a senior level course specific to the program of study. The Exit Exam will be graded on a pass-fail basis; a pass is required for graduation.

Core Curriculum (Areas A, B, C, D, E and additional requirements)	47 hours
Area F	18 hours
Approved Science/Mathematics course(s)	3 hours
BIOL 1107 Principles of Biology I	3 hours
BIOL 1107L Principles of Biology I	1 hour
BIOL 1108 Principles of Biology II	3 hours
BIOL 1108L Principles of Biology II Lab	1 hour
Calculus, Math 2101 (or approved math course)	4 hours
Computer/Foreign Language course	3 hours

CORE COURSES	65 hours
MAJOR IN ENVIRONMENTAL SCIENCE	60 hours
PHYS 1111K Introductory Physics I	4 hours
PHYS 1112 Introductory Physics II	4 hours
GEOL 1121 Physical Geology	3 hours
CHEM 2501, 2501L Organic Chemistry I	4 hours
ENSC 2401, 2401L Introduction to Environmental Science	4 hours
ENSC 3121 Environmental Ethics	3 hours
ENSC 3201, 3201L Limnology	4 hours
ENSC 3203, 3203L Environmental Chemistry	4 hours
ENSC 3205, 3205L Environmental Microbiology	4 hours
ENSC 3301 Environmental Radiation	3 hours
ENSC 3621 Environmental Safety and Health	3 hours
ENSC 4101, 4101L Hydrology	4 hours
ENSC 4121 Environmental Law	3 hours
ENSC 4202 Principles of Ecotoxicology	3 hours
ENSC 4301 Hazardous Waste Management	3 hours
ENSC 4401 Environmental Impact Assessment	3 hours
ENSC 4801 Internship	2 hours
ENSC 4901 Environmental Synthesis Seminar	1 hour
ENSC 4910 Special Topics	2 hours
Total Hours Required for the Major in Environmental Science	125 hours
MINOR IN ENVIRONMENTAL SCIENCE	
ENSC 2401, 2401L Introduction to Environmental Science	4 hours
ENSC 4121 Environmental Law	3 hours
ENSC 4401 Environmental Impact Assessment	3 hours
<i>Choose 5 or more hours from the following:</i>	
ENSC 3121 Environmental Ethics	3 hours
ENSC 3201, 3201L Limnology	4 hours
ENSC 4101, 4101L Hydrology	4 hours
ENSC 4301 Hazardous Waste Management	3 hours
ENSC 4801 Internship	2 hours
Total Hours required for the Minor in Environmental Science	15 hours

MATHEMATICS

The Program in Mathematics and Physical Sciences within the Department of Natural Science and Mathematics offers courses leading towards a degree in mathematics and a double major in mathematics and any area of technical sciences. Minor programs in mathematics, physics, and computer science are available. The program promotes an extensive interdisciplinary approach to provide students a sound educational background, one that will make the students quite remarkable and thus prepared for gainful employment, or prepared to pursue graduate study. Course offerings include pure mathematics, applied mathematics, and statistics.

The main objectives of the Program of Mathematics and Physical Sciences are (1) to provide a program of study in mathematics, physical sciences, and environmental science which will enable students to achieve computational and problem-solving skills, an understanding of basic physical principles, and will enable them to apply these skills to their respective areas of study; and (2) to provide students in mathematics with the theory and applications necessary for use in post-baccalaureate study and/or in their work force, insight into physical and natural laws, and the analytical and logical thinking necessary for the application of these tools in the various fields as measured by the program and standard national level examinations.

FRESHMAN MATHEMATICS

Entering freshmen whose scores on the combined verbal and mathematics sections of the Scholastic Aptitude Test (SAT) meet the requirements for regular admission are placed in college algebra, precalculus, or calculus courses.

Applicants for admission whose SAT score do not meet the requirements for the regular admission must take the collegiate Placement Examination (CPE) or COMPASS placement test in English, reading and mathematics. On the basis of their achievement on the Mathematics test, these students are assigned to college algebra or to a mathematics course in the Division of Learning Support.

REQUIRED EXAMINATIONS

Candidates for the baccalaureate degree in the program of Mathematics and Physical Sciences are required to pass the reading and essay writing components of the Regents' Test Program (RTP).

Seniors Mathematics majors are required to take the departmental assessment examination and the Graduate Record Examination (Aptitude Tests) to graduate from the program.

EXEMPTION EXAMINATIONS

Students may be exempted with credit hours from college algebra, precalculus, or calculus courses by passing the requisite examinations. Examinations should be taken before the end of the first semester of enrollment at Savannah State University and must be taken in sequential order. The College Level Examination Program (CLEP) tests are administered by the University's Director of Testing.

EXAMINATIONS REQUIRED FOR EXEMPTION WITH CREDIT

Course	Test	Minimum Passing Score
College Algebra	CLEP- College Algebra	70%
Precalculus	CLEP- Trigonometry	70%
Calculus I	Advanced Placement (AP) - Calculus AB	3%
Calculus II	Advanced Placement (AP) - Calculus BC	3%

IMPORTANT INFORMATION

Students who have passed either Calculus I, Calculus II, or Calculus III with a minimum grade of "C" will not receive credit hours for the precalculus course taken subsequently.

All students must pass both parts of the Regents' Test and must earn a minimum grade of "C" in all courses specified as major/or minor requirements.

Students enrolled in the Program of Mathematics and Physical Sciences who earned less than the grade "C" in any English, mathematics, science, engineering, or major or minor course required in their curriculum must repeat the course during the next semester that the course is offered.

Students whose score on mathematics section of the SAT is less than 475 must take college algebra, the prerequisite course for precalculus.

BACHELOR OF SCIENCE IN MATHEMATICS

The curriculum in mathematics is designed for those students who are interested in careers in mathematics or related fields (after graduation) in industry/government or pursuing an advanced degree in mathematics, pure or applied.

DUAL DEGREE PROGRAM

In cooperation with the Georgia Institute, a dual degree program is offered, whereby undergraduate students can attend Savannah State for approximately three years and then attend the Georgia Institute of Technology for approximately two years. Upon completion of the program, students will receive baccalaureate degrees from both institutions. More details on this program are listed in the engineering technology section of this catalog.

PROGRAMS OF STUDY

MAJOR IN MATHEMATICS

University Core Curriculum	
(Areas A, B, C, D, E and additional requirements)	47 hours
Area F Courses Appropriate to the Program of Study	18 hours
MATH 2101 Calculus I	4 hours
MATH 2111 Calculus II	4 hours
MATH 2121 Calculus III	4 hours

Choose one of the following:

CSCI 1301 Computer Science I	3 hours
CSCI 1601 Programming in Java	4 hours

Choose one of the following:

MATH 2201 Introduction to Probability and Statistics	3 hours
MATH 2301 Introduction to Discrete Mathematics	3 hours

MAJOR REQUIREMENTS

(Required courses and specified elective courses) 30 hours

Required Courses 15 hours

MATH 3101 Linear Algebra	3 hours
MATH 3201 Probability and Statistics I	3 hours
MATH 3211 Foundation of Higher Math	3 hours
MATH 4101 Abstract Algebra I	3 hours
MATH 4201 Analysis I	3 hours

Specified Elective Choices 15 hours

Choose one of the following:

MATH 4111 Abstract Algebra II	3 hours
MATH 4211 Analysis II	3 hours
MATH 4311 Probability and Statistics II	3 hours

Choose four of the following:

MATH 3301 Differential Equations	4 hours
MATH 3401 Modern Geometry	3 hours
MATH 3501 Numerical Analysis	3 hours
MATH 4111 Abstract II	3 hours
MATH 4211 Analysis II	3 hours
MATH 4221 Complex Analysis	3 hours
MATH 4311 Probability and Statistics II	3 hours
MATH 4401 Number Theory	3 hours
MATH 4411 Statistical Methods	3 hours
MATH 4421 Regression Analysis	3 hours
MATH 4501 Introduction to Topology	3 hours
MATH 4701 History of Math	3 hours
MATH 4901 Senior Seminar	3 hours

Note: Students who plan to attend graduate school should take Math 4111, 4211, 4221, and 4501.

Elective (3000 and 4000 level courses excluding foreign language course) 12-15 hours

All majors are encouraged to take mathematics electives to fulfill their remaining 12-15 hours of course of work. To this effect, the program has devised three cognate areas, and students are advised to choose one.

Analysis Cognate:

MATH 3301 Differential Equations	4 hours
MATH 4211 Analysis I	3 hours
MATH 4221 Complex Analysis	3 hours

Statistics Cognate:

MATH 4211 Analysis II	3 hours
MATH 4311 Probability and Statistics II	3 hours
MATH 4411 Statistical Methods	3 hours
MATH 4421 Regression Analysis	3 hours

Pure Mathematics and Secondary Education:

MATH 3401 Modern Geometry	3 hours
MATH 4111 Abstract Algebra II	3 hours
MATH 4401 Number Theory	3 hours
MATH 4501 Introduction to Topology	3 hours

Note: Students who plan to attend graduate school should take 6 hours of foreign languages (French or German) as part of their electives.

Note: Students opting for the analysis cognate should take 8 hours of physics (calculus based) in the area B of the core curriculum.

Minor field 15-18 hours

Total Hours Required for Major in Mathematics 125 hours

PROGRAM OF MATHEMATICS AND PHYSICAL SCIENCES MINORS

MINOR IN MATHEMATICS 15-18 hours

MATH 2101 Calculus I 4 hours

MATH 2111 Calculus II 4 hours

MATH 3101 Linear Algebra 3 hours

MATH 3201 Probability and Statistics I 3 hours

Mathematics Electives – Upper Division course 3 hours

(Students who will take MATH 2101 and/or 2111 in major program will take MATH 2111 and/or 2121 and nine to twelve hours of upper division courses to have a minimum of sixteen semester hours)

MINOR IN PHYSICS 17 hours

PHYS 3111 Heat and Thermodynamic 3 hours

PHYS 3121 Optics 3 hours

PHYS 3131 Magnetism and Electricity 3 hours

PHYS 3211 Mathematical Physics 3 hours

PHYS 4111 Modern physics 3 hours

PHYS 4951 Introduction to Research in Physics 2 hours

MARINE SCIENCE

BACHELOR OF SCIENCE IN MARINE SCIENCE

The Bachelor of Science in Marine Science degree program provides coursework and a curriculum designed to meet the needs of individuals who desire an undergraduate degree in order to address marine resource and coastal environmental issues through research, education, and outreach. The program takes advantage of its campus location – the only instructional unit in the University System of Georgia with direct ocean access and marine science facilities.

Program of Study

The following courses will satisfy the University Core Curriculum (Areas A, B, C, D, E and F) requirements, as well as the major courses in Marine Science:

ARTS 1101/MUSC 1101/THEA 2101/ENGL 2111/2112	3 hours
BIOL 1107 Principles of Biology I	3 hours
BIOL 1107L Principles of Biology I Lab	1 hour
BIOL 1108 Principles of Biology II	3 hours
BIOL 1108L Principles of Biology II Lab	1 hour
CHEM 1211 Principles of Chemistry I	3 hours
CHEM 1211L Principles of Chemistry I Lab	1 hour
CHEM 1212 Principles of Chemistry II	3 hours
CHEM 1212L Principle of Chemistry Lab II	1 hour
CHEM 3501 Organic Chemistry I	3 hours
CHEM 3501L Organic Chemistry I Lab	1 hour
CSCI 1130 Computer and its Applications	3 hours
CSCI/FREN1001/GRMN1001/SPAN1001	3 hours
ENGL 1101 English Composition I	3 hours
ENGL 1102 English Composition II	3 hours
FRES 1101 Freshman Year Experience I	1 hour
FRES 1102 Freshman year Experience II	1 hour
HEDU Health Education	1 hour
HEDU Health Education	2 hours
HIST 1111/1112/PSYC 1101/GEOG 1101/ANTH 1102/SOCI 1101	3 hours
HIST 2111 or HIST 2112 – U.S. History	3 hours
HUMN 2011 Humanitie	3 hours
MATH 1113 Pre-Calculus	4 hours
MATH 2101 Calculus I	4 hours
MSCI 3101 Marine Science	3 hours
MSCI 3101L Marine Science I Lab	1 hour
MSCI 3102 Marine Science II	3 hours
MSCI 3102L Marine Science II Lab	1 hour
MSCI 3301 Marine Envir. Chem. & Analysis	3 hours
MSCI 3301L Marine Envir. Chem. & Analysis Lab	1 hour
MSCI 3401 Invertebrate Zoology	3 hours
MSCI 3501 Ichthyology	3 hours
MSCI 3501L Ichthyology lab	1 hour
MSCI 3601 Biometry	3 hours
MSCI 3901 Tech Writing & Seminar	3 hours
MSCI 4101 Research	1 hour

MSCI 4101L Research Internship	2 hours
MSCI 4201 Marine Ecology	3 hours
MSCI 4201L Marine Ecology lab	1 hour
MSCI 4301 Biological Oceanography	1 hour
MSCI 4301L Biological Oceanography lab	1 hour
PHYS 1111K Physics I	4 hours
PHYS 1112K Physics II	4 hours
POLS 1101 American Government	3 hours
POLS 2401 Global Issues	3 hours
ELECTIVES (Natural Sciences and Mathematics)	14 hours
Total	125 hours
Minor in Marine Science	15 hours
Required	8 hours
Marine Science I MSCI 3101	3 hours
Marine Science I lab MSCI 3101L	1 hour
Marine Science II MSCI 3102	3 hours
Marine Science II lab MSCI 3102L	1 hour
Additional Marine Science (MSCI) courses (3000 and/or 4000 level):	7 hours

MASTER OF SCIENCE IN MARINE SCIENCES

The Master of Science in Marine Sciences degree program provides a curriculum designed to meet the needs of individuals who desire a graduate degree to prepare them for a career to address marine resource and coastal environmental issues through research, education, and outreach. The program takes advantage of its campus location adjacent to a salt marsh and is the only instructional unit in the University System of Georgia with direct ocean access and on-campus marine laboratory facilities. A collaborative agreement with the Skidaway Institute of Oceanography, the National Oceanographic and Atmospheric Administration (NOAA) and on-going collaborative programs and contracts with universities, state agencies and federal agencies also contribute to a framework of quality and excellence. (*See Graduate Programs for Details*).

SSU/NIH MARC HONOR'S UNDERGRADUATE RESEARCH TRAINING PROGRAM

The recently funded MARC (Minority Access to Research Careers) Honor's Undergraduate Research Training Program prepares high caliber students to enter and successfully complete graduate studies culminating in a research doctorate at a major research institution. The program provides a substantial scholarship amount and covers most of the tuition. Funds for attending professional meetings are also available. One of the major objectives of the Program is to increase the number of underrepresented minority biomedical scientists at the national level. The Program is interdisciplinary and is open to undergraduate majors in Biology, Chemistry, Mathematics, Physics, and Social Sciences. The MARC trainees are required to take the following specified courses during the pre-junior summer and certain other specified electives during the academic year. The MARC students are also expected to participate in intramural and extramural research. For further details, contact the MARC Program Director, Dr. H. Singh, Department of Natural Sciences and Mathematics.

The following MARC core courses are required of MARC trainees during the Pre-Junior summer:

NASM 3000 Research Methods (3-0-3): An introduction to theoretical and practical experience in biomedical research techniques in molecular biology, biotechnology, molecular toxicology, physiology and analytical chemistry. Research techniques will involve the use of HPLC, gamma and liquid counters, ultracentrifuge, spectrophotometers, gel electrophoresis and other related biocore instruments. Trainees will also receive experience in scientific technical writing, manuscript and abstract preparation, statistical handling of data, as well as computer assisted graphic presentations using Power Point. Trainees will be required to conduct a small experiment and prepare a manuscript as well as make an oral presentation in the department (Prerequisite Junior standing).

NASM 3100 Basic and Applied Statistics (3-0-3): This course deals with the application of statistics in biological, health and clinical sciences. The course will critically examine different statistical methods and the use of various software such as SPSS/SPS for data analysis. Trainees will learn and become familiar with available computer software packages for statistical analysis and graphic presentation. (Prerequisite Junior standing).

NASM 3200 Research Rotation (0-3-1): MARC students to rotate during the summer and academic year in any three of the following labs of their choice: Hemolytic Anemia, Biotechnology, Neurotoxicology, SKIO Marine Developmental Biology, Medicinal Chemistry, Environmental Health, Computer Biocomputational or cancer/genomic lab at the Memorial Health University Hospital. (Prerequisite Junior standing).

DEPARTMENT OF ENGINEERING TECHNOLOGY

The Department of Engineering Technology offers courses leading to the degree of Bachelor of Science, with majors in Chemical Engineering Technology, Civil Engineering Technology, Computer Science Technology, Electronics Engineering Technology, Electronics Engineering Technology (computer option), and Mechanical Engineering Technology. The civil, electronics, and mechanical engineering technology programs are accredited by the Technology Accreditation Commission of the Accreditation Board for Engineering and Technology. The Electronics Engineering Technology program is accredited by the National Association of Radio and Telecommunications Engineers, Inc. (NARTE) and the University is a certified NARTE Testing Center.

Engineering technology embraces the physical sciences, mathematics, and the practices and materials of modern industry, which are utilized in the design, and construction of the machines, structures, highways, power sources, process systems, communication systems, and products needed to maintain a highly technological society. The activities of engineering technology are concerned with translating the concepts and theories of professional engineers and scientists into actual devices and products by using tests to provide data for rational solutions and designs. These tests are followed by interpretations of data and preparation of appropriate plans for use by skilled craftsmen who produce the devices and/or products.

The objectives of the engineering technology and computer science technology programs are to prepare their students for successful careers, and this process requires the department to provide opportunities for students to acquire the essential educational experiences for applying their knowledge and methods coupled with skills in support of technical activities.

REGISTRATION FOR PROFESSIONAL ENGINEER

To protect public safety, each state establishes laws to license engineers involved in projects affecting public health, safety and life. The registration process involves written examination, professional work experience and professional recommendations.

Although it is not the goal of Savannah State University to prepare an individual for professional engineering registration, it is possible for an engineering technology graduate of Savannah State University to become registered in Georgia and some other states. Students considering registration as a professional engineer should contact the Department of Engineering Technology for further information.

Engineering Technology graduates from TAC of ABET accredited programs are qualified for professional licensing by the National Institute for Certification in Engineering Technologies (NICET). Students interested in this certification may contact the department chair for more information.

TECHNICAL ORGANIZATIONS

Students are encouraged to join appropriate engineering societies to stimulate their interest in professional activities, to promote their pursuit for life-long learning, and to expose them to professional conduct and ethics. The department has, at present, the following student organizations:

Institute of Electrical and Electronic Engineers (IEEE)
 American Society of Civil Engineers (ASCE)
 American Society of Mechanical Engineers (AMSE)
 National Society of Black Engineers (NBSE)
 American Computing Machinery (ACM)

Cooperative Education Program

The Cooperative Education Program enables engineering technology students to gain work experience in industry as paid employees during their college tenure. The program is coordinated through the Office of Cooperative Education. The program is available to students who have acquired at least 30 semester hours, including at least five courses in the major; who are proficient in a computer language; who have a satisfactory academic record; and who meet the job specifications of the employer.

Students work in industry and attend college during alternate semesters or as arranged. To remain in the program, they must maintain creditable records at both places. Students must register for the appropriate cooperative education course each semester they are employed and must observe all applicable regulations of the cooperating company.

Students pursuing the coop program should expect their matriculation to extend beyond four years. The University does not guarantee the availability of coop stations, duties, or compensation. At the conclusion of the coop experience, students are not obligated to accept employment with the cooperating companies nor are the companies obligated to offer them employment.

Students interested in this program should consult with their advisors.

BACCALAUREATE DEGREE PROGRAMS

SPECIAL REQUIREMENTS FOR MAJORS

Students enrolled in the Department of Engineering Technology who earn less than a "C" in any English, mathematics, sciences or major course required in their curriculum must repeat the course during the next semester that it is offered. Major courses are those courses offered by the Department of Engineering Technology.

MAJOR COMPREHENSIVE EXAMINATION

To satisfy the institutional requirements for a comprehensive examination, all students in engineering technology are required to take an exit examination administered by the department.

CIVIL ENGINEERING TECHNOLOGY

*Accredited by the Technology Accreditation Commission of the
 Accreditation Board for Engineering and Technology*

The curriculum in civil engineering technology is designed to provide ample instruction in those areas of knowledge required for successful performance in the following capacities as well as in other construction-related positions.

DEPARTMENT OF ENGINEERING TECHNOLOGY

*Note: All programs in Engineering Technology require 128 semester hours
(and five additional hours).*

Core Curriculum (Areas A, B, C, D, E, and additional hours)	47 hours
Area F Courses Appropriate to the Program of Study	
✓CHEM 1211 and 1211L	4 hours
✓MATH 2101 Calculus I	4 hours
✓MATH 2111 Calculus II	4 hours
✓ENGT 2101 Computer Graphics	3 hours
ENGT 2111 CAD Applications	1 hour
ENGT 2201 Technical Writing	2 hours

MAJOR IN CIVIL ENGINEERING TECHNOLOGY

ENGT 3101 Statics	3 hours
ENGT 3501 Dynamics	2 hours
ENGT 3601 Strength of Materials	3 hours
ENGT 3701 Engineering Economy	3 hours
ENGT 3201 Applied Mathematics for Engineering Technology	1 hour
ELET 3701K Data Acquisition System	2 hours
MECT 3101K Engineering Materials	3 hours
ELET 3101K Electrical Circuit I	3 hours
CSCI 1301 Computer Science I	3 hours
CIVT 3101K Surveying	5 hours
CIVT 3201K Civil Engineering Materials	2 hours
CIVT 3211 Construction Estimating and Management	3 hours
CIVT 3301K Hydraulics and Engineering Hydrology	4 hours
CIVT 3401K Highway and Transportation Engineering	4 hours
CIVT 3701 Structural Analysis	4 hours
CIVT 3601K Soil Mechanics and Foundation Design	5 hours
CIVT 4101K Structural Design I	3 hours
CIVT 4111K Structural Design II	3 hours
CIVT 4201K Environmental Engineering	4 hours
CIVT 4211 Environmental Pollution Control	3 hours
CIVT 4301 Urban Planning	2 hours
Technical Elective	3 hours

Total hours for Civil Engineering Technology **133 hours**

MAJOR IN CHEMICAL ENGINEERING TECHNOLOGY

✓CHET 3201K Material/Energy Balance	4 hours
✓CHET 3221K Mass Transfer	3 hours
✓CHET 3301K Transport Phenomena	3 hours
✓CHET 4101 Chemical Reaction Engineering	3 hours
✓CHET 4201 Process Control	3 hours
✓CHET 4211 Process Design	3 hours
ELET 3701K Data Acquisition System	2 hours
✓CHET 3401 Instrumentation	2 hours
✓CSCI 1301 Computer Science I	3 hours

✓ ENGT 3701 Engineering Economy	3 hours
✓ MECT 3101K Engineering Materials	3 hours
✓ ELET 3101K Electrical Circuit I	3 hours
ENGT 3101 Statics	3 hours
MECT 3301K Fluid Mechanics	3 hours
MECT 3411 Thermodynamics	3 hours
MECT 4301K Heat Transfer	3 hours
ENGT 3501 Dynamics	2 hours
ENGT 3601 Strength of Materials	3 hours
CHEM 1212 Principles of Chemistry II	3 hours
CHEM 1212L Principles of Chemistry II Laboratory	1 hour
CHEM 3501 Organic Chemistry I	3 hours
CHEM 3501L Organic Chemistry I	3 hours
CHEM 3401 Physical Chemistry I	3 hours
CHEM 3401L Physical Chemistry I Laboratory	1 hour
CHEM 3411 Physical Chemistry II	3 hours
CHEM 3411L Physical Chemistry II Laboratory	1 hour
Total hours for Chemical Engineering Technology	133 hours

MAJOR IN COMPUTER SCIENCE TECHNOLOGY

Core Curriculum (Areas A, B, C, D, E, and additional requirements) 47 hours

Area F Courses Appropriate to the Program of Study 18 hours

CSCI 1301 Computer Science I	3 hours
CSCI 1302 Computer Science II	4 hours
MATH 2101 Calculus I	4 hours
MATH 2301 Discrete Mathematics	3 hours

Choose one of the following:

CSCI 1610 Programming in Java	4 hours
CSCI 2215 Perl Scripting	4 hours

Major Courses 60 hours

Computer Science Technology

CSCI 3000 Data Structure	3 hours
CSCI 3385 Computer Network & Design	3 hours
CSCI 2231 Introduction to UNIX	3 hours
CSCI 2235 Comparative Programming language	3 hours
CSCI 4210 Database and File Processing	3 hours
CSCI 3201/CSCI 4410 Advance Java/Web Based Programming	3 hours
CSCI 4801 Project Design	1 hour

Choose two of the following:

CSCI 4310 Compiler	3 hours
CSCI 3414 Software Engineering	3 hours
CSCI 4110 Operating Systems	3 hours
CSCI 3102 Visual Basic	3 hours
CSCI 3800 Computer Architecture	3 hours

Mathematics

MATH 2112 Calculus II	4 hours
MATH 2121 Calculus III	4 hours
Mathematics Elective	3 hours

Engineering Technology

ENGT 2101K Computer Graphics	3 hours
ELET 3103K Circuit I	3 hours
ELET 3111K Circuit II	3 hours
ELET 3301K Digital Systems I	3 hours
ELET 3311K Digital Systems II	3 hours
ELET 4411K Computer Electronics	3 hours
ELET 3401K Microcomputer Interfacing	3 hours

Choose one of the following:

ELET 4201K VLSI Design	3 hours
ELET 3411K Microcontroller	3 hours

Total Hours Required for the Major in

Computer Science Technology	125 hours
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**MAJOR IN ELECTRONICS ENGINEERING TECHNOLOGY
(COMPUTER OPTION)**

ELET 3101K Electrical Circuit I	3 hours
ELET 3111K Electrical Circuit II	3 hours
ELET 3201K Electronics I	3 hours
ELET 3211K Electronics II	3 hours
ELET 3301K Digital Systems I	3 hours
ELET 3311K Digital Systems II	3 hours
ELET 3401K Microcomputer Interfacing	3 hours
ELET 4611K Fiber Optics	3 hours
CSCI 2231 UNIX	3 hours
ELET 3411K Microcontroller	3 hours
ELET 3501K Control Systems	3 hours
ELET 4621K Digital Communications	3 hours
ELET 4101K Programmable Logic Controller	3 hours
ELET 4411K Computer Electronics	3 hours
✓MECT 3101K Engineering Materials	3 hours
ELET 3701K Data Acquisition System	2 hours
✓ENGT 3701 Engineering Economy	3 hours
ENGT 3301 Quality Control	3 hours
ENGT 3201 Applied Mathematics	1 hour
ENGT 3101 Statics	3 hours
CSCI Computer Science I	3 hours
Electives	8 hours

Total hours for Electronics Engineering Technology

(Computer Option)	133 hours
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MAJOR IN ELECTRONICS ENGINEERING TECHNOLOGY

ELET 3101K Electrical Circuit I	3 hours
ELET 3111K Electrical Circuit II	3 hours
ELET 3201K Electronics I	3 hours
ELET 3211K Electronics II	3 hours
ELET 3301K Digital Systems I	3 hours

ELET 3311K Digital Systems II	3 hours
ELET 3401K Microcomputer Interfacing	3 hours
ELET 3411K Microcontrollers	3 hours
ELET 3501K Control Systems	3 hours
ELET 3511K Electrical Machinery	3 hours
ELET 3701K Data Acquisition System	2 hours
ELET 4101K Programmable Logic Controllers	3 hours
ELET 4401K Industrial Electronics	3 hours
ELET 4411K Computer Electronics	3 hours
ELET 4621K Digital Communications	3 hours
MECT 3101K Engineering Materials	3 hours
ENGT 3201 Applied Mathematics	1 hour
ENGT 3301 Quality Control	3 hours
ENGT 3101 Statics	3 hours
ENGT 3701 Engineering Economy	3 hours
CSCI 1301 Computer Science I	3 hours
Electives	8 hours

Total hours for Electronics Engineering Technology 133 hours

MAJOR IN MECHANICAL ENGINEERING TECHNOLOGY

MECT 3101K Engineering Materials	3 hours
MECT 3201K Manufacturing Processes	3 hours
MECT 3301K Fluid Mechanics	3 hours
MECT 3411 Thermodynamics	3 hours
MECT 4101 Machine Design I	3 hours
MECT 4111 Machine Design II	3 hours
MECT 4201K Robotic Applications	3 hours
MECT 4301K Heat Transfer	3 hours
MECT 4401K Applied Thermodynamics	3 hours
ENGT 3101 Statics	3 hours
ENGT 3501 Dynamics	2 hours
ENGT 3701 Engineering Economy	3 hours
ELET 3101K Electrical Circuits I	3 hours
ENGT 3601 Strength of Materials	3 hours
ENGT 3301 Quality Control	3 hours
ENGT 3201 Applied Mathematics for Engineering Technology	1 hour
CSCI 1301 Computer Science I	3 hours
ELET 3701K Data Acquisition System	2 hours
MECT 4701K Heating, Ventilation and Air Conditioning	3 hours
Technical Electives	15 hours

Total hours for Mechanical Engineering Technology 133 hours

See grid sheet for explanation.

All Mechanical Engineering Technology students are required to take the Fundamentals of Engineering Examination, and must achieve a 65 percentile score.

MINORS IN ENGINEERING TECHNOLOGY

MINOR IN CONSTRUCTION TECHNOLOGY

(Not available to CIVT students)	17 hours
CIVT 3101K Surveying	5 hours
MECT 3101K Engineering Materials	3 hours
CIVT 3201K Civil Engineering Materials	2 hours
CIVT 3211 Construction Estimating and Management	3 hours
CIVT 3401K Highway & Transportation Engineering	4 hours

MINOR IN CHEMICAL TECHNOLOGY

(Not available to CHET students)	16 hours
CHEM 1212 and 1212L Principles of Chemistry II	4 hours
CHET 3201 Material/Energy Balance	4 hours
CHET 3221K Mass Transfer	3 hours
CHET 3301K Transport Phenomena	3 hours
CHET 3401 Instrumentation	2 hours

MINOR IN COMPUTER SCIENCE TECHNOLOGY

Select 9 hours from the following courses:

CSCI 1301 Computer Science I	3 hours
CSCI 1302 Computer Science	4 hours
CSCI 1610 Programming in Java	3 hours
CSCI 2215 PERL Scripting	4 hours
CSCI 2231 Introduction to UNIX	3 hours

Select 9 Hours:

Upper Division Computer Science Technology Courses	9 hours
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MINOR IN GENERAL TECHNOLOGY (Not available to CIVT,

MECT, ELET, or CHET students)	17 hours
ENGT 2101K Computer Graphics	3 hours
ENGT 2111K CAD Applications	1 hour
MECT 3101K Engineering Materials	3 hours
ENGT 3101 Statics	3 hours
ELET 3101K Electrical Circuit I	3 hours
ENGT 3501 Dynamics	2 hours
ENGT 2201 Technical Writing	2 hours

MINOR IN ELECTRONICS TECHNOLOGY

**Not available to ELET, MECT (computer emphasis),
and Computer Science Technology majors)**

and Computer Science Technology majors)	18 hours
ELET 3101K Electrical Circuit I	3 hours
ELET 3111K Electrical Circuit II	3 hours
ELET 4101K Programmable Logic Controllers	3 hours
ELET 3301K Digital System I	3 hours
ELET 3311K Digital System II	3 hours
ELET 3401K Microprocessor Interfacing	3 hours

MINOR IN MECHANICAL TECHNOLOGY

(Not available to MECT majors)	18 hours
MECT 3101K Engineering Material	3 hours
MECT 3201K Manufacturing Processes	3 hours
MECT 3301K Fluid Mechanics	3 hours
MECT 3411 Thermodynamics	3 hours
ENGT 3101 Statics	3 hours
ENGT 3601 Strength of Materials	3 hours

MINOR IN INDUSTRIAL TECHNOLOGY MANAGEMENT 17 hours

INTM 3101 Motion and Time Study	3 hours
INTM 3201 Cost Estimating	3 hours
INTM 3301 Production and Inventory Control	3 hours
ENGT 2201 Technical Writing	2 hours
ENGT 3701 Engineering Economy	3 hours
ENGT 3301 Quality Control	3 hours

ENGINEERING DEGREE PROGRAMS

GEORGIA TECH REGIONAL ENGINEERING PROGRAM (GTREP)

GTREP offers undergraduate degree programs in Civil, Computer, Electrical and Mechanical Engineering that are similar in content and equal in quality to programs offered on the Atlanta campus of Georgia Tech. During the freshman and sophomore years of the undergraduate program, students are enrolled at Savannah State University offers all of the mathematics and science courses and some of the engineering courses required in the first two years of the Georgia Tech engineering curricula.

Prior to their junior year, students apply for transfer admission to Georgia Tech and complete their degree program as a Georgia Tech student. Students remain physically located in Savannah, but are taught by local Georgia Tech faculty supplemented by distance learning connections. Students graduating from GTREP receive a Georgia Tech – Regional Engineering Program degree.

REGENT'S ENGINEERING TRANSFER PROGRAM (RETP)

Qualified students seeking a bachelor of engineering degree may begin their college studies at Savannah State University through the Regents' Engineering Transfer Program. Upon successful completion of the pre-engineering curriculum, students may transfer to Georgia Institute of Technology (Atlanta campus) to complete their degree requirements. Specific times each year have been established for students to visit Georgia Tech campus and meet with representatives of their anticipated major. Aerospace, Chemical, Civil, Computer, Electrical, Industrial, Materials, Mechanical, Nuclear and Textile Engineering majors are available to RETP students. Please note the RETP is only open to students who are residents of Georgia.

DUAL DEGREE PROGRAM

Savannah State University has entered into an agreement with Georgia Institute of Technology to offer a dual degree program whereby undergraduate students can attend this institution for approximately three academic years and then transfer to an engineering program at Georgia Institute of Technology. After completing the academic requirements of both institutions, students shall be awarded a baccalaureate degree from both institutions. This program is open to majors in chemistry, mathematics, computer science technology, and chemical, civil, electronics, and mechanical engineering technology.

Bachelor's degrees offered at Georgia Institute of Technology as a part of this program are in aerospace engineering, ceramic engineering, chemical engineering, civil engineering, computer engineering, electrical engineering, engineering science and mechanics, industrial engineering, materials engineering, mechanical engineering, nuclear and radiological engineering, textile chemistry, textile engineering, and textiles.

Program of Study:

Students participating in the dual degree program shall complete the following at Savannah State University:

Approximately three-fourths of the number of hours required for the degree at Savannah State University.

All courses required for admission of engineering transfer students to Georgia Tech.

The equivalent mathematics and science courses included in the freshman and sophomore years of the engineering discipline in which the student intends to major at Georgia Tech.

ADMISSIONS REQUIREMENTS

To be admitted to Georgia Tech in the dual degree program, students must:

Complete the program of study as indicated above and obtain a positive recommendation from the dual degree coordinator.

Meet the minimum grade point average requirements for admission of transfer students to Georgia Tech (those in effect at the time the student matriculates at Savannah State University).

Submit application materials for evaluation by the Office of Undergraduate Admissions at Georgia Tech.

Be citizens or permanent residents of the United States.

DEPARTMENT OF NAVAL SCIENCE (NAVAL ROTC)

GENERAL

The department offers a minor in naval science. The program is designed to prepare the student for a commission in the U. S. Navy or Marine Corps and is required of those NROTC students who will obtain a commission. All course work must be completed with a grade of C or better.

NAVAL SCIENCE COURSES PROGRAM OF STUDY

ALL MIDSHIPMEN:

NSCI 1001 Introduction to Naval Science	2 hours
NSCI 1002 Seapower and Maritime Affairs	3 hours
NSCI 1003 Sailing	3 hours
NSCI 2001 Naval Ship Systems I (Engineering)	3 hours
NSCI 2002 Leadership and Management	3 hours
NSCI 4001 Naval Ship Systems II (Weapons)	3 hours
NSCI 4004 Leadership and Ethics	3 hours

Advanced Program - Navy Option:

NSCI 3003 Navigation I	3 hours
NSCI 3004 Navigation II	3 hours

Advanced Program - Marine Corps Option:

NSCI 3001 Evolution of Warfare	5 hours
NSCI 3002 Amphibious Warfare	5 hours

Additional and Substitute Requirements:

- NSCI 4050, Naval Drill (0-2-0), is required each academic term of all midshipmen.
- NSCI 1003 AND 4050 satisfy the university physical education requirement.

Navy Scholarship Midshipmen (additional requirements):

One year of calculus (completed before junior year)	6 hours
One year of calculus-based physics (completed before senior year)	6 hours
Computer science	3 hours
Military history and political science	6 hours
(Professor of naval science will promulgate courses that satisfy the above requirements)	

Non-Scholarship Navy College Program Midshipmen (non-scholarship)

These students must complete one year of math, college algebra or higher, by the end of the junior year and one year of physical science by the end of the senior year as a prerequisite for commissioning. The physical science requirement can be met by completing a one-year sequence or two courses in any area of physical science. One mathematics course may be selected from the field of computer science or statistics.

Marine Corps Option

All Marine Corps option students shall take, during the junior or senior year, one course in military history and one in political science (6 hours total) from a list approved by the Professor of Naval Science.

NROTC Uniforms, Books and Instructional Materials

NROTC uniforms, books and special instructional materials will be issued at no charge to naval scholarship and college program students. Uniforms must be returned upon exit from the NROTC program. Books and other instructional material must be returned at the completion of each academic term.

Scholarships

Scholarships are available to qualified students for tuition, fees and laboratory expenses. The scholarships can pay for up to four years of expenses and includes a \$300 stipend per semester. Additionally, the Professor of Naval Science has ten Historically Black College and University Scholarships to be awarded to qualified high school graduates.

Financial Assistance

All Midshipmen in the NROTC program who qualify for the college program advanced standing or the scholarship program are paid a monthly tax-free stipend. The monthly amount is \$250 for freshmen, \$300 for sophomores, \$350 for juniors and \$400 for seniors.

Summer Training Cruises

Scholarship midshipmen will go on summer training cruises during three of their summer inter-term periods. Other midshipmen will attend summer training cruises based on their scholarship programs.

DEPARTMENT OF MILITARY SCIENCE (ARMY ROTC)

GENERAL

The Reserve Officer Training Corps program is designed as a four-year course of study leading to a commission in the United States Army. In addition to a major, students must satisfy, requirements in written communications skills, oral communications skills, military history, and computer literacy and complete the appropriate military science courses. Students interested in this program should consult with the professor of military science.

MILITARY SCIENCE COURSES BASIC COURSE

MILS 1101 Introduction to Military Science and Skills Development	2 hours
MILS 1102 Basic Military Leadership	2 hours
MILS 2201 Basic Military Skills	2 hours
MILS 2202 Basic Military Tactics	2 hours
MILS 2250 Basic Field Internship	Varies-3
MILS 5000K Basic Leadership Lab	0 hours

Basic military science courses involve four (4) semesters during the freshman and sophomore years. Students learn leadership and management and acquire essential background knowledge of customs and traditions, weapons, map reading, tactics and survival. Equally important, these courses have the objective of developing the students' leadership, self-discipline, integrity and sense of responsibility. Those students who successfully complete the Basic Course, meet the Army physical standards, and demonstrate officer potential, will be considered for contracting and enrolling in the Advanced Course.

ADVANCED COURSE

MILS 3301 Advanced Tactics and Applied Leadership I	3 hours
MILS 3302 Advanced Tactics and Applied Leadership II	3 hours
MILS 3350 Advanced Military Skills Practicum (Advanced Camp)	Varies-3
MILS 4401 Military Leadership and Management Seminar	Varies-3
MILS 4402 Transition to Lieutenant	3 hours
MILS 6000K Advanced Leadership Lab	0 hours

Veterans who have at least two years of active duty service and who have completed 60 semester hours, and junior ROTC cadets who have completed 60 semester hours and 3 years of junior ROTC may receive placement credit and authorization to enroll in the advanced course when approved by the professor of military science (PMS). Also, qualities of positive potential for becoming an officer must be demonstrated. Leadership potential is emphasized as a very important single factor to be considered for enrollment and continuance in the program.

Advanced Military Science

The general objective of this course of instruction is to produce junior officers who, by education, training, attitude and inherent qualities, are suitable for continued development as officers in the Army. There are two avenues available for the student to be eligible for entry into the advanced program and obtain a commission as a second lieutenant:

- (a) Satisfactory completion of, or placement credit for, the basic program basic ROTC and meeting the entrance and retention requirements established by the Army.
- (b) To be an honorably discharged active duty veteran or junior ROTC cadet graduate eligible for placement credit.

Placement

Veterans entering the military science programs will receive appropriate placement credit for their active military service. Students who have completed military science courses in military preparatory schools or junior colleges may be given appropriate credit. Students with at least three years of high school ROTC may also be granted placement credit. Placement credit or four (4) semesters of basic military science, or equivalent thereof, is a prerequisite to admission into the advanced program.

Alternate Programs for Admittance

Students who have two years of course work remaining, but who have not completed basic military science are eligible to be considered for selection into the advanced military science program. Those selected under the provisions of the two-year advanced program must satisfactorily complete a basic summer camp of six weeks duration prior to entering the advance program. Students attending the basic camp at Fort Knox, Kentucky, are paid active army rates and given a travel allowance from their home to camp and return. Attendance at basic camp is voluntary and incurs no military obligation until the student returns and decides to sign a contract to pursue a commission.

Advanced Summer Camp

Students that are contracted and in the advance course are required to attend advanced camp at Fort Lewis, Washington, normally between their junior and senior academic years. Students attending this camp are paid active army rates and given travel allowance from their home to camp and return.

Financial Assistance

All contracted advanced cadets are paid a subsistence allowance of \$150.00 per month and \$450.00 per year for books while enrolled in the advanced course.

Scholarship Program

Each year the U.S. Army awards two and three-year on-campus scholarships to outstanding young men and women participating in the Army ROTC program who desire careers as commissioned officers in the U.S. Army. The Army pays tuition fees, books, and laboratory expenses incurred by these students. In addition, each student receives \$150.00 per month for the academic year. Individuals desiring to compete for these scholarships should apply at the Department of Military Science.

Army ROTC Uniforms, Books and Supplies

Students enrolling in the Army ROTC program will be issued U.S. Army uniforms, books, and supplies by the Department of Military Science. No fees or deposits of any kind will be required. Uniforms must be returned before commissioning or upon non-enrollment from the ROTC program.

MIL Courses

The basic course of four (4) semesters consists of one hour of lecture with one hour of leadership lab per week for freshmen and two hours of lecture and one hour of leadership lab per week for sophomores. In the classroom, students acquire knowledge of military leadership, weapons, tactics, basic military skills, and physical fitness. In field training exercises, potential for leadership is progressively developed.

The advanced course consists of three hours of classroom work and one hour of leadership laboratory per week. During the second semester prior to advanced camp, students enroll in MILS 3302 to prepare for attendance at advanced camp. History 2361 (American Military History) is normally taken the second semester of the senior year. The course work during the advanced course emphasizes techniques of management and leadership and the fundamentals and dynamics of the military team. Field training exercises provide students with applied leadership experiences.

Professional Military Education (PME) Requirements

The Army's Professional Military Education requirements are established to provide cadets with the training and enrichment necessary to successfully compete in the Army. In addition to completing a baccalaureate degree, the cadet must complete an undergraduate course from each of the five designated fields of study. The five PME designated fields of study are listed below and the courses that meet the cadet command PME requirements.

- A. Written Communication Skills: ENGL 1101, 1102.
- B. Human Behavior: SOCI 1101, PSYC 1101, HIST 1101, 1102.
- C. Military History: HIST 2361.
- D. Math Reasoning: MATH 1101.
- E. Computer Literacy: CSCI 1135, CLSM 2201.

Minor Concentration

The department offers a minor in military science. The program is designed to prepare students for commission in the United States Army. Whatever the major, a military science minor will strengthen students' management, leadership, and interpersonal communication skills. The minor requires fifteen credit hours with minimum grades of "C" in the following upper division military science courses: MILS 3301, 3302, 4401, and 4402, HIST 2361, and five additional credit hours of course work approved by the department chair. Students earning a minor in military science must be contracted. This contract will lead to being commissioned in the U.S. Army.

Physical Training

Physical Training (PT) is an important part of the Army ROTC program. Its purpose is to ensure each cadet is physically fit. The Army Physical Fitness Test (APFT) is used to determine the level of fitness by measuring cadets' endurance and stamina in three different events: push-ups, sit-ups, and a 2-mile run.

Basic course students who are freshmen are required to participate in one PT session per week. This session is part of their regular military science class and is normally held on Monday. Students who are sophomores are required to participate in physical training two times per week, normally on Mondays and Wednesdays.

Advanced course cadets are required to participate in PT as part of their regular military science class. PT is conducted 3 days a week for one hour on Mondays, Wednesdays, and Fridays. Six hours of PE credit are given to those cadets who successfully complete the Army ROTC advanced course (1 credit hour per course).

CENTER FOR TEACHING, LEARNING AND ACADEMIC SUPPORT

The Center for Teaching, Learning and Academic Support (CTLAS) provides opportunities to improve the academic environment of the university community. Funded by Title III, the Center's focus is to advance the mission of the University through provisions for faculty to develop new and more effective teaching practices and for students to have additional opportunities to become successful learners.

The Center serves as the nucleus to develop and maintain excellence in the academic community by:

- (1) Encouraging improved teaching practices and classroom techniques through professional skill development and faculty development activities, and maintaining an essential resource library (books, journals, videos, etc.) for faculty use;
- (2) Providing assistance to the academic community's technology and multimedia needs through technology instruction and assistance (e.g., coordination of academic computer labs, computer workshops for faculty and staff, and multimedia instructional support);
- (3) Providing assistance through the ReWrite Connection to meet the professional needs of faculty and staff and the academic and developmental needs of undergraduate and graduate students;
- (4) Delivering alternative instructional paradigms and learning lab experiences for students needing additional assistance to achieve and to maintain academic success; and
- (5) Providing holistic academic advisement to nontraditional Academic Assistance students, Basic Studies students, undecided majors, and students readmitted from academic suspension until they transfer to their major programs.

A comprehensive description of the scope of services offered through the Center is located on the CTLAS website (www.savstate.edu/adm/aa/ctl/default.htm). A description of three components that offer courses to help students attain and maintain academic excellence follows: The ReWrite Connection and Student Academic Assistance Program.

The ReWrite Connection

The ReWrite Connection (RWC) is designed to work with a wide variety of students and to provide a referral service for all faculty members; a base for workshops; mini sessions and tutoring to assist international students as they adapt to college course and American life; aid for all students who desire to become better writers; aid for students with special needs; and assistance to students writing theses and preparing special projects for the masters programs.

Enrichment Courses

RWC offers three enrichment courses to enhance students' academic development. The first course is **Basic Composition (ENGL 0199)**, which is designed primarily to provide writing skills development and reinforcement for students with a reading restriction that precludes their immediate enrollment in college English. The second course is **College Study Skills (STUD 0198)**, which is designed to assist all students who want to improve their meta-cognitive (how-to-study) skills, which are requisite to survive the academic rigors of the University. This course is ideal for students on grants who want a full class load, but not the added rigor of another core course. This course is highly recommended for students on academic probation and students returning from academic suspension who need to improve their GPA with guided assistance. The third course is the **Regents Success Preparation Seminar (RTSS 0198)**, which is designed to give first-time Regents' test-takers reinforcement of reading and writing skills and test simulations. (For more details, see "The ReWrite Connection" under "Course Description.")

Remediation Courses

The Regents' remediation courses include RTPE 0198 (reading) and RTPE 0199 (writing). These courses are designed to meet the needs of students with deficiencies in reading and/or writing skills and to prepare students for the Regents' Test. For information about the Regents' Test, see "University-wide Testing Program." For a description of these courses, see "ReWrite Courses" under "Course Descriptions."

In collaboration with the Student Academic Assistance Program (SAAP), a program that serves the needs of provisionally admitted students, ReWrite provides instruction for developmental reading and English courses (Reading 0099 and English 0099). These courses provide remediation and skill development for students enrolled in SAAP. (For further information, see description of reading and English SAAP courses under "Course Description.")

Math Lab

The Math Lab is one of the components of the Center for Teaching, Learning and Academic Support. It is a university wide Math Lab. The goal of the Math Lab is as follows:

To enhance students' mathematics learning by providing services such as individualized tutorials, supplemental instruction peer group discussion, and self-paced tutorial using mathematics software installed on the computers housed in the Mathematics Lab.

Course instructors refer students who need help to master mathematics or mathematics-related concepts to the Math Lab housed in Whiting Hall, Room 132. Students who visit the Math Lab receive a free one-to-one tutorial offered by the joint faculties in the Department of the Natural Sciences and Mathematics and the CTLAS Math Component.

The Math Lab operates as a drop-in help session. Students in any math courses are welcome to visit the Math Lab for assistance either to clarify misunderstood math concepts or homework assignments.

In collaboration with the Students Academic Assistance Program (SAAP), the Math Lab provides instruction for the developmental math courses (Math 0097 and Math 0099). These courses provide remediation and skill development for students enrolled in SAAP. (For further information, see description of SAAP math courses under "Course Description.")

Student Academic Assistance Program

The philosophy of the Student Academic Assistance Program (SAAP) is that although there are slow learners and fast learners, when provided with favorable learning conditions, most students can successfully adapt to academic challenges of the college classroom. The Program supports and is committed to the contention that "at risk" students possess strengths that should be developed and weaknesses that can be remediated. In order to facilitate this growth and development, SAAP's objective is to strengthen the reading, mathematical, and oral and written communicative skills of provisionally admitted students. This objective is based on the desire of Student Academic Assistance faculty and staff to support the students' pursuit of academic excellence and life survival skills.

SAAP serves continuing students who were admitted in the Division of Learning Support before its phase-out and entering students who have demonstrated marked deficiencies in English, reading, and mathematics as indicated by their performance on the University's placement examinations. Entering students who fall into this category are nontraditional students and presidential exceptions. Non-traditional students are students who graduated from high school at least five years ago and who may have completed up to 15 college credits. These students are exempt from the SAT/ACT admission criteria. Instead, they must sit for the University's placement examinations. Presidential exceptions are recent high school graduates who, in very special and rare circumstances, the President of the University may grant exceptions to the CPC and FI requirements. Similarly, these students must sit for the University's placement examinations, which include the Computer Assisted Adaptive Assessment (COMPASS) and the Placement Writing Sample. Placement scores on COMPASS sub-tests that determine placement in SAAP are 36 and below on the math test, 73 and below on the reading test, and 59 and below on the English test and/or a failing assessment on the Placement Writing Sample. Students who fail to satisfy either portion of the University's placement examinations must enroll in corresponding SAAP (Learning Support) courses in mathematics, reading and English. Students who fail the placement COMPASS subtests, are placed in the entry level course Math 0097. Students who score above 22 and below 37 are placed in the exit level course Math 0099. (See "Student Academic Assistance Program" under "Course Descriptions").

All students enrolled in SAAP are advised by the Academic Advisement/Mentoring Program (AAMP). Non-traditional students are advised by the AAMP until they accumulate 30 hours of college credit and a minimum 2.0 grade point average. At such time, they transfer to the college that offers their major. Presidential exceptions and continuing Learning Support students remain with AAMP until they complete the core.

Program Policies and Requirements

Students shall have three semesters or three attempts per area to remediate deficiencies or to develop requisite skills, provided that they consistently demonstrate satisfactory academic progress. Any SAAP students whose academic standing is less than that which is accepted by the University is subject to academic suspension even though they may not have exhausted all three attempts. SAAP students who are enrolled in credit courses are governed by the University's policy on academic standing. Moreover, any SAAP students who fail to exit any one or more courses within the time allotted shall be suspended for three years from Savannah State University and any other unit of the University System of Georgia. However, students may appeal a suspension, provided they have only one SAAP (Learning Support) area to complete, have a class average of at least 80 or above, and obtain a letter of recommendation from their recent instructor of the course that needs to be completed. If an appeal is granted, the students may enroll only in the remaining SAAP (Learning Support) course. If the students fail to pass the course after the appeal, the students will be suspended for three years. After a three-year suspension, students may reapply for admission, subject to meeting the institution's requirements for readmission. (For further details on appeals and suspension, see the Advisement Manual in the Office of the Academic Advisement/Mentoring Program, located in Whiting Hall 203.)

Students may not accumulate more than 20 hours of degree credit before completing their SAAP (Learning Support) requirements. Any students who have accumulated 20 credit hours or more and who have not successfully completed the required SAAP (Learning Support) courses may enroll only in those said courses until the SAAP (Learning Support) requirements are successfully completed.

No degree credit will be awarded for SAAP (Learning Support) course work. Institutional credit only will be awarded.

SAAP students in an exit level (0099) course who maintain a C average or better throughout the semester are eligible to sit for the exit examination(s). To exit the mathematics program, students must earn a scaled score of 37 or higher on the post-COMPASS. To exit the reading program, students must earn a scaled score of 78 or higher on the post-COMPASS. To exit the English program, students must pass the Writing Assessment as well as earn a scaled score of 71 or higher on the post-COMPASS.

Once students earn a passing score on any part of the English placement examination (the COMPASS and Writing Assessment), they need not retake that part during the post-examination. Similarly, students who earn a passing score on any part of the English post-examination need not retake that part during subsequent semesters.

No students will rewrite the Final Writing Assessment unless documentation supports that the test environment was not conducive to testing. However, students may appeal the Final Writing Assessment, provided that the students' writing sample received at least one passing rating out of three and that the students maintained an overall class average of 80 or above.

No students will retake the placement COMPASS unless substantiated technical problems occurred that might impact student performance. Neither will students rewrite the placement Writing Assessment unless documentation supports that the test environment was not conducive to testing. However, students may appeal their assessment provided their writing sample received at least one passing rating out of the three ratings and the students passed the COMPASS English subtest. Passing the English subtest is required for another reading since students must pass both parts to impact their placement. Students must pass both parts to exempt developmental English. (For further details on appeals and the deadline to request an appeal in writing, see the Advisement Manual in the Office of Academic Advisement/Mentoring Program, located in Whiting Hall 203.)

The following final grades will be issued:

A, B, C	Satisfied class work in Math 0097 and recommended for Math 0099.
S (Satisfactory)	Met all requirements of an exit level course (a course numbered 0099) and may enroll in a corresponding university level course or a course which has no restrictions for SAAP (Learning Support) students.
IP (In Progress)	Sat for exit examination(s) (COMPASS and/or Writing Assessment), but demonstrated insufficient progress. Must enroll in remediation again.
F (Failure)	Failed class work and must enroll in remediation again. If an exit level course, did not qualify to sit for exit examination(s).
W (Withdrew)	Withdrew or was administratively withdrawn from the University without penalty before the deadline.
WF (Withdrew, Failing)	Withdrew from the University after the deadline for penalty and was failing at time of withdrawal.
V (Auditing)	Receive no quality points or a grade.

A grade of "W" does not count as an attempt in a course. However, no SAAP students will receive a "W" unless the students withdraw or are administratively withdrawn from the University before the penalty period. Any students with excessive absences in any SAAP (Learning Support) course prior to mid-semester may be administratively withdrawn from the University. Because SAAP (Learning Support) classes are laboratory-oriented and lab space limited, any students who miss the first day of class may be administratively withdrawn and their entire registration cancelled.

A grade of "WF" counts as an attempt in a SAAP (Learning Support) course. Students receive a WF if they withdraw from the University after the penalty period.

Any students needing Reading 0099 cannot enroll in college level social science, natural science, or college-level English until remedial reading requirements have been satisfied. However, presidential exception students must enroll in appropriate courses in social science and natural science to satisfy CPC deficiencies. Courses used for CPC deficiencies do not count as part of the core curriculum. If students enrolled in Reading 0099 do not have a SAAP (Learning Support) English requirement, they may enroll in English 0199, an enrichment course that prepares students for college English. (For course description, see "The ReWrite Connection" listed under "Course Descriptions.") A complete list of courses in which students with reading restrictions can enroll is posted on the CTLAS website (www.savstate.edu/adm/a/ctl/default.htm) under "Student Academic Assistance Program/Basic Studies Academy."

Any students needing Mathematics 0097 cannot enroll in Mathematics 0099 or any course for which Mathematics 0099 is a prerequisite.

Any students needing Mathematics 0099 cannot enroll in college level mathematics, physics, chemistry, or any science courses with a prerequisite of college-level mathematics until remedial mathematics requirements have been satisfied.

Any students enrolled in 0099 English cannot enroll in college-level English.

These restrictions mean that limited admit students are not guaranteed a full class load as may be required to qualify for some forms of financial aid.

GRADUATE PROGRAMS

Savannah State University offers four graduate programs, as follows:

- Master, Social Work
- Master, Public Administration
- Master, Urban Studies
- Master of Science in Marine Science

Graduate Academic Residence Requirements

Academic residence is defined as being enrolled in one or more courses at Savannah State University; this is not to be confused with status as a legal resident of the State of Georgia for fee determination purposes. The minimum academic residence requirement for each master degree is as follows:

1. The candidate must earn 27 semester hours at Savannah State University in the MPA and MSUS with an average of at least a B (3.00 GPA);
2. At least 30 semester hours at Savannah State University in the MSW program with an average of B (3.00 GPA).

No student will receive a master's degree from Savannah State University who does not meet the minimum academic residence requirement.

All work credited toward the graduate degree must be completed in five years. Extension of time, not to exceed the time limit included in the policy of the University may be granted only on conditions beyond control of the student. A formal request outlining the conditions upon which the extension of time is made should be addressed to the program director of your respective program (e.g., MPA, MSW, or MSUS) the Dean of the College of Liberal Arts and Social Sciences and the Dean of Graduate Studies.

MASTER OF SCIENCE IN MARINE SCIENCES

The Master of Science in Marine Sciences degree program provides a curriculum designed to meet the needs of individuals who desire a graduate degree to prepare them for a career to address marine resource and coastal environmental issues through research, education, and outreach. The program takes advantage of its campus location adjacent to a salt marsh and is the only instructional unit in the University System of Georgia with direct ocean access and on-campus marine laboratory facilities. A collaborative agreement with the Skidaway Institute of Oceanography, the National Oceanographic and Atmospheric Administration (NOAA) and on-going collaborative programs and contracts with universities, state agencies and federal agencies also contribute to a framework of quality and excellence.

Program of Study

All students will be required to take the twelve-hour required core curriculum providing a strong, broad, multidisciplinary investigation of marine sciences with emphasis on coastal oceanography. Through seminar, technical writing and communication courses, students will investigate marine issues and develop professional skills in critical thinking, logical interpretations and professional-quality presentations. With this common core background, the program of study provides three major tracks: Track 1 – Traditional Marine Science Research, Track 2 – Applied Marine Sciences, and Track 3 – Professional Advancement. A student will choose one of these three tracks based on his career interests. Each track has specific curriculum requirements and options for courses within three areas: a) Policy and Law, b) Research Tools, and c) Science.

Track 1 - Traditional Marine Science Research, is designed for students who plan to obtain a M.S. degree in Marine Sciences, continue into a Ph.D. program, or who wish to obtain an additional research-based MS degree. Curriculum emphasis in this track is on science and original research.

Track 2 - Applied Marine Sciences, is designed for students who wish to obtain a MS degree in Marine Sciences which provides them with the opportunity to learn and develop scientific skills applicable to marine science related industries, resources, resource management, fisheries, aquaculture, and research. Curriculum emphasis in this track is on the acquisition of research tools and applied skills.

Track 3 - Professional Advancement, is designed for students who are presently employed in a field related to the marine, biological, chemical, geological, or environmental sciences and who wish to earn a masters degree in Marine Science for possible professional development and advancement. Examples of these students are presently employed as science teachers, federal, state and local government agency personnel, and persons who are currently working in industry and the private sector. The curriculum in this track requires the student to take courses from all three curricular areas. It allows additional flexibility for other courses, which are applicable to his/her particular professional development needs.

General Requirements

Each track requires 30 semester hours of graduate level coursework in addition to six credit hours of thesis research and preparation. An entering student must have passed an undergraduate statistics course or else must take such a course, which would not count toward his graduate course requirements. An advisor and an advisory committee will guide each student. An advisory committee will be composed of at least 3 people and must include at least 2 SSU graduate faculty. A “proposal of research” must be submitted by the student and approved by the student’s advisor and advisory committee. A written comprehensive exam will be required following the core courses and an oral defense of the submitted written thesis will be required.

Upon approval by the advisory committee, a non-experimental thesis representing the experience of a practicum may be substituted for a research thesis for students following tracks 2 or 3. This program structure is consistent with national standards as typified by most MS degree programs in marine sciences in regards to number of hours required (30 semester hours plus 6 semester hours of thesis), having a required core set of courses, student guidance by an advisory committee, thesis requirement, and oral defense of thesis.

Required Core for all tracks – (12 semester hours)

MSCI 5201 Introduction to Marine Sciences (3-1-4)
 MSCI 5202 Introduction to Coastal Oceanography (3-1-4)
 MSCI 5401 Technical Writing and Communication (3-0-3)
 MSCI 5402 Research/Marine Science Seminar (1-0-1)

Track I – Traditional Research: Course Requirements

MSCI 5560 Advanced Environmetrics
 At least one course from “Policy and Law”
 At least one course from “Research Tools”
 At least two courses from “Science”
 MSCI 7991 Thesis I
 MSCI 7992 Thesis II

Track II – Applied Science: Course Requirements

MSCI 5560 Advanced Environmetrics
 At least one course from “Policy and Law”
 At least two courses from “Research Tools”
 At least one course from “Science”
 MSCI 7991 Thesis I
 MSCI 7992 Thesis II

Track III – Professional Advancement: Course Requirements

At least one course from “Policy and Law”
 At least one course from “Research Tools”
 At least one course from “Science”
 MSCI 7991 Thesis I
 MSCI 7992 Thesis II

Listed below are the Curricular Areas and courses within the areas. All courses in this program are newly developed courses, and none are cross-listed as undergraduate courses. All courses have been approved according to the institutional requirements for approval including departmental, college, faculty senate, and university faculty review and approvals.

Policy and Law courses:

MSCI 6310 Scientific Ethics (3-0-3)
 MSCI 6323 Coastal Law and Policy (3-0-3)
 MSCI 6324 Coastal Zone Management (3-0-3)
 MSCI 7344 Fisheries Management (3-0-3)

Research Tools courses:

MSCI 5560 Advanced Environmetrics (3-0-3)
 MSCI 6542 Fisheries Population Dynamics (3-0-3)
 MSCI 6546 Mariculture (2-0-2)
 MSCI 6550 Analytical Techniques in Seawater, Sediments and Soils (0-3-3)
 MSCI 6552 Marine Biotechnology (3-1-4)
 MSCI 6562 Remote Sensing (3-0-3)
 MSCI 7527 Coastal Environmental Certifications (3-0-3)
 MSCI 7564 Geographic Information Systems and Database Management in Coastal Studies (3-1-4)

Science courses:

MSCI 6550 Analytical Techniques in Seawater, Sediments and Soils (0-3-3)
 MSCI 6552 Marine Biotechnology (3-1-4)
 MSCI 6562 Remote Sensing (3-0-3)
 MSCI 6725 Coastal Wetland Ecology (3-0-3)
 MSCI 6726 Coastal Botany (3-1-4)
 MSCI 6745 Aquatic Pathology (3-1-4)
 MSCI 6747 Marine Mammalogy (3-0-3)
 MSCI 6781 Benthic Ecology (3-0-3)
 MSCI 7527 Coastal Environmental Certifications (3-0-3)
 MSCI 7728 Coastal Processes (3-0-3)
 MSCI 7743 Fisheries Oceanography (3-0-3)
 MSCI 7754 Marine Biogeochemistry (3-0-3)
 MSCI 7782 Marine Microbial Ecology (3-0-3)
 MSCI 7783 Water Column Ecology (3-0-3)

Other courses:

MSCI 7801 Directed Research (0-(1-3)-(1-3))
 MSCI 7851 Special Topics ((1-3)-0-(1-3))
 MSCI 7991 Thesis I (3-0-3)
 MSCI 7992 Thesis II (3-0-3)

MASTER OF PUBLIC ADMINISTRATION PROGRAM

Consistent with Savannah State University's unique and historic mission as one of three historically black colleges and universities in the University System of Georgia, the Master of Public Administration program seeks to be the program of choice for non-traditional managers in our region. The program offers traditional managers opportunities to learn in a multicultural environment. The purpose of the Master of Public Administration program at Savannah State University is to:

1. Prepare public managers to assume management and leadership positions in a variety of organizational settings in Coastal Georgia and beyond.
2. Advance the knowledge base in the field of public administration through scholarly research and publications.
3. Serve the profession and community by using our expertise and intellectual resources to address needs in our service areas.

ACCREDITATION

The Savannah State University is accredited by the Southern Association of Colleges and Schools to offer the MPA degree. The MPA program is a member of the National Association of Schools of Public Affairs and Administration (NASPAA). Under the guidelines of NASPAA's Committee on Peer Review and Accreditation (COPRA), a program must be in existence for four consecutive years before being eligible to apply for accreditation. In September 2000, the MPA program will seek voluntary professional accreditation by the National Association of Schools of Public Affairs and Administration (NASPAA).

APPLICATION REQUIREMENTS

Persons seeking admission to the MPA program must hold a baccalaureate degree from an accredited institution, with a minimum 2.5 cumulative grade point average, and show promise of high quality work on the graduate level. While there is no specific undergraduate course of study for admission, students must meet the prerequisites for courses in American National Government and statistics. Students may begin the program during any academic term. Only completed applications are reviewed by the Admissions Committee. A completed application consists of the following: (1) the application forms; (2) two official copies of all undergraduate and graduate transcripts; (3) official scores from the Graduate Record Examination (GRE) (general test), or other acceptable standardized test taken within the past five years; (4) a 500-1000 word statement of purpose; (5) three letters of reference; (6) a one-page resume; and (7) a certificate of immunization.

REGULAR ADMISSIONS

To be granted regular admission status, a student must average a minimum of 90 points on the applicant evaluation form as scored by the Admissions Committee.

PROVISIONAL ADMISSION

Applicants who score under 90 on the admissions formula may be granted provisional status. While holding this status, students must take the equivalent of a semester's full load of MPA courses (i.e., 9-12 semester hours) and earn no final course grade below "B" to qualify for regular status. Earning a grade of less than "B" while in provisional status will cause the student to be dismissed from the MPA program. All courses taken in provisional status must be approved by the MPA director. The director will review the files of provisional students after completion of nine hours. Under certain circumstances, a student's file may be reviewed at the completion of six credit hours.

NON-DEGREE (SPECIAL) ADMISSION

Applicants who apply too late for full consideration for admission or have not submitted all required documents for evaluation may be assigned non-degree admission status. While in this status, a student may register for no more than two courses after completing the Non-degree Admission Agreement for Graduate Studies. This form requires the signatures of the student and the dean of graduate studies. The Admissions Committee does not review files for non-degree students. Any student who registers under this agreement understands that no more than two courses taken in non-degree status may count towards the MPA degree, and that admission in non-degree status is independent of consideration for admission as a regular or provisional student. Students admitted in non-degree status are not eligible for financial aid. Students may take no more than 15 hours of course work in the provisional and non-degree status combined.

FAST TRACK OPTION

Juniors or Seniors with a cumulative GPA of 3.5 may apply for admission to the Fast Track program. Applicants to the Fast Track program must submit the standard application on or before May 1. Completed applications will be reviewed, and a formal decision on admission rendered by the Admissions Committee by May 15. Fast Track students may enroll in and receive graduate credit for up to three MPA courses (PADM 6830, 6832, and 6840). Six of these credits may also count towards the undergraduate degree. A student must earn a grade of "B" or better in each MPA course to be allowed to continue in the Fast Track program. All Fast Track students must complete a Fast Track Internship Experience the semester following receipt of the bachelor's degree. In the student's fifth year, the student must earn 24 MPA course credits.

PROGRAM OF STUDY

The Master of Public Administration degree requires the student to successfully complete a minimum of 36 credit hours. MPA students are classified as in-service or pre-service based on experience in the public or nonprofit sector. Pre-service students are usually recent graduates who lack sufficient managerial or administrative experience. In-service students are currently employed and usually have several years of relevant work experience in the public or non-profit sectors in a job requiring a minimum of a bachelor's degree for entry. In-service students may petition for exemption from the internship requirement, but must complete the major paper. Designation as pre-service or in-service will be made by faculty at the time the student applies for the internship course.

The program is flexible enough to accommodate full-time (9-12 hours per semester) or part-time students (3-6 hours per semester). Accordingly, the length of time required to complete the program will vary. All students must successfully complete the core curriculum of 21 semester hours, 9-12 hours of electives, and 3-6 hours of internship, depending upon classification as in-service or pre-service. In selecting the electives, students may choose courses from four concentrations, (1) Public Policy, (2) Human Resources Development, (3) Health Services Administration, or (4) General Administration. The Health Services Administration Track is offered in collaboration with Armstrong Atlantic State University. Students who wish to take any of the elective units outside of the MPA Program must have those electives approved by their advisor. The student pursuing the Generalist track may design a concentration, in consultation with the MPA program director and their academic advisor.

Prerequisites (6 hours)

Undergraduate course in statistics (3 credits)

Undergraduate or graduate course in American National Government (3 credits)

Core Curriculum (21 hours)

PADM 6830 History, Scope, and Practice

PADM 6831 Ethics for Public Administrators

PADM 6833 Management of Human Resources

PADM 6834 Public Budgeting and Finance

PADM 6836 State and Local Government Administration or

PADM 6837 Intergovernmental Relations

PADM 6839 Statistical Applications in PA

PADM 6840 Research Methods or

PADM 6850 Computer Applications in PA

Concentration (9-12 hours): Students must acquire one of four concentrations:

- General Administration
- Health Service Administration
- Human Resource Development
- Public Policy

Public Service Internship (3-6 hours)

PADM 6853 Pre-Service Public Service Internship (5 credits)

PADM 6854 In-service Public Service Internship (Major Paper only) (2 credits)

PADM 6874 Fast Track Internship Experience (1 credit)

Oral Comprehensive Exam

PADM 6875 Comprehensive Exam Review Seminar

ACADEMIC SUSPENSION

Students are expected to remain in good academic standing. To be in good standing, a graduate student must maintain an institutional cumulative grade point average of 3.0 or better in all graduate credit courses, and reasonably progress toward graduation requirements. A student who fails to maintain the required grade point average and make reasonable progress will be reviewed by the Office of Academic Affairs and/or a faculty committee appointed by the MPA program director, and may be denied further registration in MPA courses. Only credit earned in graduate courses at Savannah State University may be used to repair deficiencies in grade point average.

ADMISSIONS APPEAL

A student denied admission to the MPA program may appeal the decision in writing to the program director. The student will be required to provide additional information in support of the appeal. A student whose appeal is denied by the MPA program may appeal to the Dean of the College of Liberal Arts and Social Sciences. The final decision on an appeal will be made by the Dean of Graduate Studies and Sponsored Programs.

GRADUATE STUDENT ADVISEMENT

The director of the MPA program advises all incoming students during their first semester of enrollment. Each student is then assigned to a faculty advisor for the remainder of their academic career. The advisor will help the student plan a program of study consistent with the student's field and goals and will approve all course selections prior to registration. Students are free to discuss courses and career options with any member of the faculty, but their advisement forms should be signed by the designated faculty member. Students may request a change in advisors by contacting the program director in writing. If the request is granted, the student and the advisors will be notified in writing. In the spirit of continuous quality improvement, students evaluate advisement at the end of each semester. Their observations are used to improve the advisement process.

NEW STUDENT ORIENTATION

Appropriate orientation to a new graduate program is an important key to success in graduate studies. All incoming MPA students are required to participate in scheduled group orientation programs held at the beginning of the semester. Many questions about the program and institutional resources are addressed in the orientation sessions. Individual faculty members also schedule library and computer systems orientations for students in introductory classes.

NON-ACADEMIC SUSPENSION

Students are expected to conduct themselves in accordance with the standards of the student code of conduct at Savannah State University. The University reserves the right to exclude at any time any student whose conduct is deemed improper or detrimental to the welfare of the college community. Faculty or fellow students in the MPA Program may initiate charges against a current student by filing a written charge with the Office of the Vice President for Student Affairs.

TRANSFER CREDITS

Up to nine graduate semester credit hours may be transferred from an graduate institution accredited by a regional accrediting body, if the student has earned a "B" or better in each course within the past five years. The student requesting transfer credit must provide a copy of the following information for each course for which transfer credit is requested: the name of the course; catalog description; course syllabus; a letter of recommendation of the Dean or the Dean's designee related to the student's status during enrollment at the previous or current graduate program.

INTERNSHIP

The internship requirement is common among universities and colleges granting degrees in public administration and related fields that require the student to have practical field experience. The public service internship is an integral part of the student's professional education because it provides students with opportunities to apply knowledge and skills acquired in the course work phase of the program. Pre-service students may be assigned to the professional positions in the public or non-profit sectors, and their job performance is evaluated periodically by their agency supervisor, in consultation with the internship coordinator. At Savannah State University, in-service students are exempted from the 300-hour internship. An in-service student is a student who, at the time of the internship assignment, is holding a job that requires at least a bachelor's degree for entry, and who has held that job for at least one year. Students must have completed the core requirements and have a grade point average of 3.0 in the MPA program before enrolling for credit in the internship. Students in the Fast Track program will complete an internship experience in the semester following receipt of the bachelor's degree (minimum of 120 hours).

MAJOR PAPER

Although students in this program are not required to submit a traditional master's degree thesis, all students must submit and defend a comprehensive paper written as part of the internship requirements. Internship papers are written in conformance to paper requirements established by the MPA faculty and evaluated by the coordinator of the MPA internships and members of the student's examining committee. The purpose of the paper is to allow the student to demonstrate mastery of the ability to integrate theory and practice into organizational analysis or problem-solving. The paper will be typed using the style sheet of the American Psychological Association (APA). Generally, the paper will be first submitted to two readers, one of whom will be the Internship coordinator (or a designee appointed by the program director), and the other, the chair of the student's examining committee. Upon approval of the first draft, the student may qualify to defend the paper at the comprehensive examination. The final copy of the paper, with recommended changes, must be submitted to the members of the examining committee at least one week before final grades are due for graduating students.

EXIT EXAMINATION

A terminal oral comprehensive examination is required of all candidates for the degree of Master of Public Administration. The oral examination includes a defense of the major paper. The program director will name the members of the committee, set the date, time, and place of the examination, and notify all parties in writing. Students must complete all core courses and the internship (major) paper before scheduling the oral examination. The examiners will be three full-time MPA faculty members.

STUDENT OUTCOMES ASSESSMENT

The Master of Public Administration Program is committed to offering a high quality educational experience. Students and faculty are expected to participate in a variety of methods used to assess their learning outcomes.

ELECTIVE CONCENTRATIONS (select one):

Human Resources Development Concentration	9-12 hours
PADM 6832 Organization Theory	3 hours
PADM 6846 Administrative Law	3 hours
PADM 6858 Seminar in Cultural Diversity	3 hours
PADM 6863 Collective Bargaining in the Public Sector	3 hours
PADM 6870 Rights and Basic Needs of Public Sector Employees	3 hours
PADM 6871 Organization Behavior	3 hours
PADM 6872 Human Resources Training and Development	3 hours
Public Policy Concentration	9-12 hours
PADM 6838 Introduction to Public Policy	3 hours
PADM 6844 Seminar in Public Policy Analysis	3 hours
PADM 6845 Urban Policy and Administration	3 hours
PADM 6851 Social Welfare Policy, Planning, and Administration	3 hours
PADM 6861 Public Program Evaluation	3 hours
PADM 6862 Public Policy Implementation	3 hours
PADM 6864 Public Policy Formation	3 hours
PADM 6865 Special Topics in Public Policy	3 hours
Health Services Administration Concentration	9-12 hours
HSCA 7620 Health Care Administration	3 hours
HSCA 7665 Health Care Strategic Marketing and Planning	3 hours
HSCA 8630 Health Care Financial Management	3 hours
HSCA 8615 Legal and Ethical Environments of Health Care	3 hours
HSCA 8700 Public Health Planning and Evaluation	3 hours
Total Hours Required for Master of Public Administration ...	36 hours

MASTER OF SOCIAL WORK PROGRAM

The Master of Social Work (MSW) Program is accredited under the Council on Social Work Education. The MSW program is designed to prepare students for entry into advanced social work practice. The two year (60 credit hours) degree program consists of a foundation curriculum which provides knowledge, values, and skills common to generalist social work practice; a set of concentration courses in either clinical or social administration practice; and two field practicum courses which are designed to enhance the competencies in the foundation and concentration areas.

ADMISSION

Admission to the program is on a selective basis. Prospective students apply to the Admissions Office. The completed application is sent directly to the Social Work Admissions Committee for evaluation. The committee will make its recommendations to the MSW Program Director. Completed admission applications are evaluated according to the following criteria:

- A baccalaureate degree with a liberal arts foundation with evidence of human biology content from an accredited college or university.
- Grade point average (GPA) of 2.6 on a 4.0 scale for regular admission.
- Minimum GRE score of 850
- Official transcript(s) direct from all colleges/universities attended
- A completed application with instructions for completing the following:
 - The autobiographical statement
 - Four letters of reference
- An in-person interview is scheduled when determined by admissions committee

Academic credit for life and previous work experience is not considered in whole or in part or 'in lieu of the above admissions' requirements or in lieu of any courses for field practicum requirements.

ADVANCED STANDING ADMISSION

A required orientation to the MSW Program is held during the Fall semester registration period.

CONDITIONAL ADMISSION

Conditional admission may be granted to selected applicants with undergraduate GPA scores below 2.6 and GRE scores below 850. Students admitted under conditional status must acquire a 3.0 GPA during the first semester of graduate work (15 credit hours).

SUSPENSION

Students are expected to remain in good standing. To be in good standing, a graduate student must maintain a cumulative point-hour of 3.0 or better in all graduate credit courses, and reasonable progress toward graduate program requirements. A student who fails to maintain reasonable progress is subject to review by a faculty committee, appointed by the MSW Program Director, and may be denied further registration in social work courses.

TRANSFER CREDIT

Transfer credit will be granted if applicants meet the following requirements:

All admission requirements of the MSW Program and the Savannah State University

Up to 30 credit hours may be transferred from a MSW degree program accredited by the Council on Social Work Education, if the student has earned a "B" or better in each course within the past five years.

Provide a copy of the following information for each course for which transfer credit is requested:

- a. The name of the course
- b. Catalogue descriptions
- c. Course outline/syllabus, including bibliography
- d. A letter of recommendation from the Dean or Dean's designee related to the student's status during enrollment at the previous or current School of Social Work.

FIELD PRACTICUM

Field practicum is an integral part of social work education. The experience offers an opportunity for students to integrate and apply theoretical knowledge and social work practice skills in diverse human service settings under the instruction of approved agency based social workers. Affiliation agreements between the University and human service organizations are established for educational purposes.

MSW students complete 1020 clock hours of field practicum for a total of 23 semester credit hours. After the completion of the first semester of course work, the foundation practicum is offered, typically, at 20 hours a week for 300 hours (5 credits). In the advanced year, the concentration specific practicum is offered, typically, at 24 hours a week for two semesters for a total of 720 hours (6 credits each). Field practicum is taken concurrently with social work practice classes. In the advanced year, field learning experiences are focused on students' declared concentration (Clinical Practice or Social Administration Practice).

MASTER OF SOCIAL WORK CURRICULUM

Foundation	30 hours
MSWK 6650 Human Behavior and the Social Environment I	3 hours
MSWK 6651 Human Behavior and the Social Environment II . . .	3 hours
MSWK 6660 Social Work Practice with Individuals and Families & lab	5 hours
MSWK 6661 Social Work Practice with Groups, Communities, and Organizations	4 hours
MSWK 6670 Research Methods I & lab	4 hours
MSWK 6680 Social Welfare Policy and Services	3 hours
MSWK 6690 Field Practicum I	5 hours
MSWK 6782 Advanced Policy and Planning	3 hours

Choose one concentration:

CLINICAL SOCIAL WORK CONCENTRATION	30 hours
MSWK 6750 Clinical Practice I	3 hours
MSWK 6751 Clinical Practice II	3 hours
MSWK 6760 Research Methods II	3 hours
MSWK 6790 Field Practicum II	6 hours
MSWK 6791 Field Practicum III	6 hours
MSWK 6805 Integrative Seminar	3 hours
Electives	6 hours
SOCIAL ADMINISTRATION CONCENTRATION	30 hours
MSWK 6780 Social Administration	3 hours
PADM 6834 Public Budgeting and Finance	3 hours
MSWK 6760 Research Methods II	3 hours
MSWK 6790 Field Practicum II	6 hours
MSWK 6791 Field Practicum III	6 hours
MSWK 6805 Integrative Seminar	3 hours
Electives	6 hours
Total Hours Required for Master of Social Work	60 hours

MASTER OF SCIENCE IN URBAN STUDIES PROGRAM

The Masters of Science in Urban Studies (MSUS) is an interdisciplinary, collaborative graduate program between the College of Liberal Arts and Social Sciences (CLASS) at Savannah State University (SSU) and the College of Arts and Sciences (CAS) at Armstrong Atlantic State University (AASU). The principal objectives of the program include the development of analytical and research skills and the utilization of the intellectual resources necessary for the generation of new knowledge of urban areas in Georgia and worldwide; and to add to the general public's awareness of the problems and strengths of Georgia's urban areas through community activity.

SUGGESTED COURSE OF STUDY FOR MASTER OF SCIENCE URBAN STUDIES (FULL-TIME GRADUATE STUDENT)

The proposed course of study provides a theoretical foundation during the first year and an analytical foundation during the second year, which is applied to an internship or a Master thesis. Students who enter the MSUS Program will be required to complete a core of 21 semester hours. Students may choose a concentration area or they may opt to take elective courses from several specialties.

1ST SEMESTER-1ST YEAR

MSUS 8800 Global Urbanization. (3-0-3)
MSUS 8810 History of American Urbanization. (3-0-3)
MSUS 8020 Methods of Urban Research. (3-0-3)

2ND SEMESTER-1ST YEAR

MSUS 8830 Introduction to Planning. (3-0-3)
MSUS 8840 Computer Applications for Urban Information Systems. (3-0-3)
MSUS 8850 Urban Fiscal and Policy Analysis. (3-0-3)

1ST SEMESTER-2ND YEAR

MSUS 8860 Race, Ethnicity and Gender in Urban Development. (3-0-3)
ELECTIVES (2 courses)

2ND SEMESTER-2ND YEAR

ELECTIVE (1 course) (3-0-3)
INTERNSHIP I PRE-SERVICE (3-0-3)
INTERNSHIP II IN-SERVICE (3-0-3)

OR

MASTER THESIS (6-0-6)

Students have the option of completing an internship or a thesis; however, students who decide on a thesis/research track are not prohibited from also completing an internship during their course of study. Students who decide on an internship track without previous professional experience in the field of urban studies must take Internship I and Internship II. Students who have professional experience in the field of urban studies enroll in Internship II only and take an additional elective course. Students who opt for the thesis/research track must complete and defend a master-level thesis paper before acquiring 6 hours of credit.

SPECIAL REQUIREMENTS FOR ALL MSUS STUDENTS

Students have the option of completing an internship paper or a masters thesis. A student should make the decision concerning the track they wish to pursue after completing all required courses in the MSUS program. A student may change their track with the permission of their advisor and the program director. Completion of the internship track consists of the completion of a work assignment followed by the completion of a paper. The master thesis track consist of completing an original research project under the guidance of a faculty advisor. **All students must take a written comprehensive exam in the general subject area and or their specialty area prior to the oral defense of their internship paper or masters thesis. Unless the student has received special permission, no student will be allowed to receive credit for the internship paper or masters thesis without completing their required courses and at least two elective courses.** All students must select either an Internship or Thesis advisor with approval by the program faculty and the program director. The principal advisor must serve as a faculty member for the MSUS program. The program reserves the right to select an advisor if the student is unable to make a decision within a required time period. Students who opt for the thesis are responsible for selecting a principal advisor from among the faculty teaching within the program. Students who decide on a thesis/research track are not prohibited from also completing an internship during their course of study. However, they must indicate that they wish to receive academic credit for the thesis. Students who take only Internship II must complete four elective courses.

INTERNSHIPS

The internship consists of the completion of a work assignment followed by the completion of a paper which demonstrates the student's ability to apply the basic theories of urban studies and the relevant urban studies the student has acquired. Students who decide on an internship only track, who do not have previous professional experience in the field of urban studies are considered Pre-Service students. Pre-Service students must enroll in **Internship I and Internship II**. Students who have professional experience in the field of urban studies are considered In-Service students. In-Service students who wish to take the internship track enroll in Internship II only and must take four elective courses. For Pre-Service and In-Service students will not have completed the internship track unless they have completed the comprehensive exam and a major internship paper. All students who have chosen the internship track must enroll in the internship class and meet with the internship director on a regular basis.

All students on the internship track must complete a mid-internship paper and a final draft before submitting the completed internship paper. Pre-Service students who are enrolled in **Internship I** must turn in a mid-internship report at the end of the semester they are enrolled in the course. At the end of their second semester, **Internship II**, they must turn in a final draft, and then a final internship paper. Pre-Service students may take their comprehensive exam at any time after the completion of Internship I, but before completing the final paper. The final internship paper must be defended before a committee of three faculty members, one who may be from another academic department, or otherwise considered an expert in the field of Urban Studies. The committee members possess the terminal degree in their field of study or has other expertise in the area of urban studies. The program faculty

reserve the right of approval on all committee members. The defense of the internship paper will consist of a test of the paper's subject matter and the student's grasp of other relevant information about the field of Urban Studies.

In-Service students who are enrolled only in Internship II, must also complete a mid-internship paper, during the mid-term of the semester they are enrolled in the course. At the end of the semester, students are expected to turn in a final draft and defend the final internship paper. The internship paper must be defended before a committee of three faculty members, one who may be from another academic department, or otherwise an expert in the field of Urban Studies. The defense of the internship paper will consist of a test of the paper's subject matter and other relevant information about the field of Urban Studies.

MASTER THESIS

The master thesis consists of the completion of an original research project under the direction of an advisor chosen by the student with the approval of the program director. In order to receive 6 hours credit for the Master thesis, students who enroll in the thesis track must complete and defend a master-level thesis paper. Thesis students will enroll for the thesis credit and meet with their thesis advisor on a regular basis. They will also be required to complete a comprehensive exam before the oral defense of the thesis. The master thesis must be defended before a committee of three persons, two who must be faculty members associated with the MSUS program. A third person may be chosen as a committee member who meets one of the following criteria. The committee member must possess the terminal degree in their field of study or has other expertise in the area of urban studies. The program faculty reserve the right of approval on all committee members.

REQUIREMENTS FOR ADMISSION

Applications are reviewed by an Admissions Committee which scores each application. Scores are based on both qualitative and quantitative assessments of a student's ability to succeed in graduate school. Assessments of the student's ability are based on scores received for 1) the GRE and previous GPAs, 2) analytical and writing abilities demonstrated through the writing sample, 3) overall abilities as determined through the letters of recommendation. The Admissions Committee reserves the right to interview all candidates for admission. All applicants will be evaluated within the context of a completed portfolio based on a combination of the following quantitative and qualitative criteria:

Regular Admission

- official transcripts from all undergraduate and graduate schools attended
- minimum GPA of 2.60 on a 4.0 scale (or its equivalent if degree is from a foreign institution)
- the equivalent of no less than 50+ percentile score on the GRE or any other standardized graduate school exam
- at least 3 letters of recommendation (if applying for admission as an in-service student-one letter must be from a co-worker with an equal or above rank or from a supervisor) letters should reference the applicant's ability to complete graduate school, supervisors should discuss how current work or experience will enhance the applicant's ability to complete graduate school, or contribute

to the organization. Admission will not be decided based on the applicant's ability to contribute to the organization-but their ability to contribute to the field of urban studies.

- current resume (highlight relevant work experience, if any)
- a one thousand word essay on one of the following:
 - 1) a current problem facing urban America
 - 2) purpose for attending graduate school for urban studies degree

Provisional Admission

- official transcript from all undergraduate and graduate school attended
- minimum GPA of 2.20 on a 4.0 scale (or its equivalent if degree is from a foreign institution)
- the equivalent of no less than 45+ percentile score on the GRE or any other standardized graduate school exam
- at least 4 letters of recommendation (if applying for admission as an in-service student-one letter must be from a co-worker with an equal or above rank or from a supervisor) letters should reference the applicant's ability to complete graduate school, supervisors should discuss how current work or experience will enhance the applicant's ability to complete graduate school, or contribute to the organization. Admission will not be decided based on the applicant's ability to contribute to the organization-but their ability to contribute to the field of urban studies.
- current resume (highlight relevant work experience, if any)
- a one thousand word essay on one of the following:
 - 1) current problem facing urban America
 - 2) purpose for attending graduate school for urban studies degree

Students admitted provisionally will be reviewed after the completion of 9 semester hours to determine if their status should change from provisional to regular student.

Transfer Credit

Students are permitted to transfer 9 credit hours from another graduate institution, provided the transferred courses are equivalent to a MSUS course offered at Savannah State University.

Probationary Status

Any student enrolled in the MSUS program whose overall grade point average falls below 3.0 in any semester will be considered to be in probationary status. MSUS students that are in a probationary status are advised to not enroll the semester following their probationary status. However, after one semester of absence students are permitted to request re-admission into the MSUS program.

MASTER OF SCIENCE IN URBAN STUDIES

CORE REQUIREMENTS	27 hours
MSUS 8800 Global Urbanization	3 hours
MSUS 8810 History of American Urbanization	3 hours
MSUS 8820 Methods of Urban Research	3 hours
MSUS 8830 Introduction to Planning	3 hours
MSUS 8840 Computer Applications for Urban Information Systems	3 hours
MSUS 8850 Urban Fiscal and Policy Analysis	3 hours
MSUS 8870 Internship I (Pre-Service)	3 hours
MSUS 8875 Internship II (In-Service)	3 hours
MSUS 8880 Master Thesis	6 hours
 Urban Concentration	
Students may choose up to four courses from and within the following concentration areas for a total of 9-12 elective hours.	
Urban Politics Concentration	9-12 hours
MSUS 8801 Classics of Urban Politics	3 hours
MSUS 8803 State and Local Government	3 hours
MSUS 8804 Public Budgeting and Finance	3 hours
MSUS 8806 Minority Group Politics	3 hours
MSUS 8807 Historic Preservation	3 hours
MSUS 8808 Politics of Poverty	3 hours
MSUS 8809 Policy Advocacy and Empowerment	3 hours
 Urban and Regional Economic Development Concentration	
9-12 hours	
MSUS 8851 Seminar in Urban and Regional Planning	3 hours
MSUS 8852 Urban Geography	3 hours
MSUS 8854 Housing and Community Development	3 hours
MSUS 8855 Population Growth and Residential Development ...	3 hours
MSUS 8856 Transportation and Urban Development	3 hours
MSUS 8857 Environmental Issues and Waste Disposal	3 hours
 Public Management Concentration	
9-12 hours	
MSUS 8861 History, Scope and Practice of Public Administration	3 hours
MSUS 8862 Organizational Theory	3 hours
MSUS 8863 Industrial/Organizational Psychology	3 hours
MSUS 8864 Introduction to Public Policy	3 hours
MSUS 8865 Urban Policy and Administration	3 hours
MSUS 8866 African-American Administrators in Urban Bureaucracy and Public Policy	3 hours
MSUS 8867 Conflict Resolution	3 hours

Administration of Justice Concentration	
(Offered by Armstrong Atlantic State University)	9-12 hours
MSUS 8883 Drug, Alcohol, and Crime	3 hours
MSUS 8885 Juvenile Delinquency	3 hours
MSUS 8890 Pro-Seminar in Ethics and Criminal Justice	3 hours
MSUS 8891 Law Enforcement Problems and Practices	3 hours
MSUS 8892 Seminar in Juvenile Justice Administration	3 hours
MSUS 8894 Institutional Incarceration and Treatment	3 hours
MSUS 8895 Community Treatment and Services	3 hours
MSUS 8896 Seminar in Law and Social Control	3 hours
MSUS 8897 Topics in Law and Courts	3 hours
Total Hours Required for Master of Science	
in Urban Studies	36 hours

DESCRIPTION OF COURSES

COLLEGE OF BUSINESS

ACCOUNTING

- ✓ **ACCT 2101 Principles of Financial Accounting 3 Credits**
 A study of the underlying theory and application of financial accounting concepts.
Prerequisites: MATH 1111 or equivalent and CISM 1130 or CSCI 1130
- ✓ **ACCT 2102 Principles of Managerial Accounting 3 Credits**
 A study of the underlying theory and application of managerial accounting concepts.
Prerequisite: ACCT 2101
- ✓ **ACCT 3111 Intermediate Financial Accounting I 3 Credits**
 An introduction to accounting theory underlying financial statements. There is an emphasis on the study of accounting principles and ethics relating to the recording and presentation of cash, receivables, and the investment in productive resources such as inventories, property, plant and equipment. Computer aided instruction will be utilized wherever applicable.
Prerequisites: ACCT 2102
- ✓ **ACCT 3112 Intermediate Financial Accounting II 3 Credits**
 A course that is a continuation of ACCT 3111. The topics covered include liabilities, contingencies, stockholders' equity, dilutive securities, earnings per share, investments, revenue recognition, income taxes, pensions, post-retirement benefits, leases, accounting changes, error correction, cash flows, financial statement analysis, and full disclosure. Computer assisted instruction will be utilized wherever applicable.
Prerequisite: ACCT 3111 with a "C" or better grade
- ✓ **ACCT 3113 Federal Income Taxation of Individuals 3 Credits**
 An analysis of the federal income tax law and its application to individuals. The course includes extensive practical problems, including the preparation of returns. Computer assisted instruction will be utilized.
Prerequisite: ACCT 2102
- ✓ **ACCT 3114 Federal Income Taxation of Corporations and Partnerships 3 Credits**
 A continuation of the study of the Internal Revenue Code begun in Federal Income Taxation of Individuals and a survey of the income tax treatment of corporations and shareholder, partnerships and partners, S corporations, and other taxable entities. The course includes a limited coverage of tax research techniques.
Prerequisite: ACCT 3113
- ✓ **ACCT 3115 Cost/Managerial Accounting 3 Credits**
 A course that furthers the knowledge gained in the fundamental managerial accounting course. This course emphasizes the use of basic cost accounting theory and concepts for cost accumulation and usage under job order, process, and activity-based costing systems, as well as budgeting and standard costing in a manufacturing environment. It also covers control and analysis of materials, labor and manufacturing overheads, and well as cost control and accumulation in a service environment.
Prerequisite: ACCT 2102

✓ **ACCT 3117 Accounting Information Systems 3 Credits**

The course introduces systems concepts and the role of the accountant in the Systems Development Life Cycle (SDLC). It covers areas such as documentation of systems, database management tools and strategies, and aspects of information systems controls. The impact of emerging technologies on accounting is also addressed. Additionally, specific accounting systems (Purchasing, Production, etc), with relevant systems applications in current use are also covered.

Prerequisite: ACCT 3111

check ✓ **ACCT 3180 International Taxation 3 Credits**

The purpose of this course is to provide an in-depth study of the tax problems incurred by individuals and corporations investing and operating business across national boundaries.

Prerequisite: ACCT 2102

check ✓ **ACCT 3185 International Accounting 3 Credits**

This course covers the topics of currency translation and subsidiary or divisional accounting, including the history of foreign currency translation, methods, foreign currency gains and losses, and accounting for multinational and international accounting organizations.

Prerequisite: ACCT 2102

✓ **ACCT 4115 Advanced Financial Accounting 3 Credits**

A comprehensive study of business combinations, the equity and cost of accounting for investments in common stock, and consolidated financial statement preparation. Also, accounting for partnerships, corporate reorganizations, foreign currency transactions, and foreign currency financial statement translation and preparation are introduced in this course.

Prerequisite: ACCT 3112

✓ **ACCT 4116 Accounting for Not-For-Profit Institutions 3 Credits**

A course focusing on the basic concepts and techniques of fund accounting, including budgeting and management accounting problems for governmental, educational, religious, and charitable organizations.

Prerequisite: ACCT 2102

check ✓ **ACCT 4117 Auditing 3 Credits**

A comprehensive study of the philosophy, concepts, and techniques used by independent auditors. Topical coverage includes professional ethics, standards, audit programs, study and evaluation of internal control, auditors' opinions, statistical sampling techniques, and EDP auditing.

Prerequisite: ACCT 3112

✓ **ACCT 4118 Advanced Managerial Accounting 3 Credits**

This course uses the case approach to emphasize transition of costing systems from traditional systems to the development of Activity Based Costing systems and the use of ABC tools in management (Activity Based Management). Additionally, case studies in such areas as transfer pricing, target costing, management compensation and incentives, and the Balanced Scorecard are included. The relevance of technology in these areas is highlighted.

Prerequisite: ACCT 3115 with a "C" or better grade

*check***ACCT 4130 CPA Law Review 3 Credits**

A course that prepares students for the law portion of the CPA exam. The course includes a review of the following business law subjects which are traditionally emphasized on the CPA exam and not covered in BUSA 2106: accountant liability and malpractice, forms of business organizations (agencies, partnerships, corporations, estates, and trusts), contract law and the Uniform Commercial Code (sales and leases; commercial paper, bank deposits and collections and funds transfers; letters of credit; bulk transfers; warehouse receipts, bills of lading and other documents of title; secured translations).

Prerequisites: BUSA 2106

BUSINESS ADMINISTRATION

BUSA 1105 Introduction to Business 3 Credits

An integrative study of the functional areas of business (finance, operations, marketing, human resources, etc.) *This course is to be taken by students in their freshman year, or in the first semester following the declaration of a major in business administration.*

BUSA 2105 Communicating in the Business Environment 3 Credits

An emphasis on both interpersonal, and organizational communication through written and oral exercises appropriate to business practice.

Prerequisites: ENGL 1101, 1102, and CISM 1130 or CSCI 1130

BUSA 2106 The Environment of Business 3 Credits

An introduction to the legal, regulatory, political, social, ethical, cultural, environmental, and technological issues which form the context for business and an overview of the impact of demographic diversity on organizations.

BUSA 2182 Introduction to Business Statistics**(formerly QUAN 2182) 3 Credits**

An introduction to the methods of scientific inquiry and statistical inference. Subjects covered are sampling, parameter estimating, hypothesis testing, determination of the nature and strength of relationships among variables, decision theory, time series analysis, and non-parametric methods. The course develops proficiency in the use of statistical software. Spreadsheets and statistical packages are used extensively.

Prerequisites: MATH 1111 or equivalent and MATH 2181 (formerly QUAN 2181)

BUSA 4116 Business Research 3 Credits

A course that examines the scientific method as applied to business research problems. The use of primary and secondary information for management decision-making is examined. Survey design, questionnaire construction, sampling processes, and data analysis are studied in-depth. The course requires the extensive use of the computer for word processing and statistical analysis.

Prerequisites: MGNT 3165, MKTG 3175 and BUSA 2182 (formerly QUAN 2182)

BUSA 4126 Business Policy3 Credits

A capstone course in the College of Business Administration required of all seniors. The course integrates subject matter from the business core courses and other disciplines. This course focuses on integrated approaches to medium and long-term organizational challenges in a dynamic environment. Students develop managerial skills and learn to appreciate the role of all managers in the formulation and implementation of organizational strategies.

Prerequisites: All Area F courses, ~~MATH 2181 (formerly QUAN 2181)~~, **BUSA 2182 (formerly QUAN 2182), FINC 3155, and MGNT 3165 (All other Area G courses can be taken with BUSA 4126 if it's your final semester.)**

BUSA 4229 Administrative Practice and Internship3 Credits

This course provides experiential learning in an employment setting, which is appropriate to the business student's academic program and career objectives. A minimum of 100 hours of relevant and practical work experience are required in a public or private organization, which has entered into a formal internship agreement with the College of Business Administration. The student intern will perform duties and services as assigned by the organization's supervisor and the COBA internship coordinator. In addition, the student intern may be required to attend seminars dealing with human relations, business etiquette, and professional and ethical responsibilities appropriate to the intern's major. Business students will be awarded 3 semester credit hours for successful completion of the internship. (A student can not receive credit for both BUSA 4229 and CISM 4900). (Grading: Pass/Fail)

Prerequisite: MGNT 3165, at least a 2.5 GPA, the completion of seventy-five (75) semester hours, and permission of advisor and approval of the Office of the Dean of COBA.

BUSA 4800 Current Issues in International Business3 Credits

This course will cover a variety of topics of current interest in the area of International Business. The course is designed to build a degree of responsiveness in the International Business program and will provide opportunities to study emerging issues. Depending upon student and faculty interests, the course may focus on the economic and business environment of selected regions of the world, contemporary issue such as developments in regional trading blocks, and/or developments in the global trading and financial system.

Prerequisite: MGNT 4168

COMPUTER INFORMATION SYSTEMS

CISM 1130 Computer and Its Applications

(same course as CSCI 1130)3 Credits

An introductory course specially designed to help students become computer literate. The course covers the history of computers, hardware, software, and use of the state-of-the-art technology. Another unique feature of this course is that student use internet, MS OFFICE applications using word processing, spread sheets, and HTML language to create homepages.

- ✓ **CISM 2130 Business Information Systems 3 Credits**
 This course will introduce the business student to the management information system theory, the hardware and software systems available for meeting the information systems requirements, and the use of application software (spreadsheets and databases) to solve information problems and meet requirements. The emphasis is primarily on using a microcomputer through practical, hands-on operation thereby providing experience in the use of computers in higher-level college courses and a business environment.
Prerequisite: CISM 1130 or CSCI 1130
- ✓ **CISM 3137 System Analysis and Design 3 Credits**
 An introduction to concept of the system development life cycle (SDLC). Systems development techniques, methodologies, and CASE tools are introduced.
Prerequisite: CISM 1130 or CSCI 1130
- ✓ **CISM 3140 Introduction to Programming: Visual Basic 3 Credits**
 Topics include the visual programming environment, event-driven programming, file processing, database processing, error handling, objects and class libraries.
Prerequisite: CISM 1130 or CSCI 1130
- check* **CISM 3232 Web Design and Development
 (formerly CISM 4232) 3 Credits**
 A course that focuses on planning, designing, and creating Web sites using Web authoring software and HTML to enhance information for more effective communication, with emphasis on quality, efficiency, and effectiveness.
Prerequisite: CISM 1130 or CSCI 1130
- check* **CISM 4135 Data Communication 3 Credits**
 An introduction to the principles and techniques of data communications. The course covers the topics of transmission media and modes, communication protocols, and network architecture. LAN's, WAN's and the OSI model will be discussed
Prerequisite: CISM 1130 or CSCI 1130
- ✓ **CISM 4137 Database Design and Implementation 3 Credits**
 An introduction to the concept of database processing. The topics covered in this course are the components of database systems (DBMS), the entity/relationship diagrams, semantic object models as well as normalization and the relational model.
Prerequisite: CISM 1130 or CSCI 1130
- ✓ **CISM 4138 Contemporary Topics in CIS 3 Credits**
 A course that examines current issues in CIS. Topics may include visual programming, RAD techniques, building Internet applications, and advanced networking techniques.
Prerequisite: CISM 1130 or CSCI 1130 and permission of instructor
- ✓ **CISM 4140 Programming in JAVA 3 Credits**
 Development of computer information systems using model based tools, various application development methodologies e.g. rapid application development (RAD), prototyping, information engineering, object-oriented programming, and CASE tools.
Prerequisite: CISM 3140 with a "C" or better grade

✓ **CISM 4141 Advanced Visual Basic3 Credits**

Advanced topics in application development methodologies for client/server applications and distributed systems including graphical user interface (GUI) design, event driven systems, and common used access (CUA). Integration of knowledge gained from prior computer-related course work to develop a comprehensive system project in a visual development environment.

Prerequisite: CISM 3140 with a "C" or better grade

CISM 4150 Network Administration3 Credits

The course covers the day-to-day administrative tasks necessary to maintain a business computer network. Creating user and group accounts, profiles, and setting permissions are covered. Setting up and administering a network printer will be demonstrated. Resource auditing, backup and recovery, and monitoring resources will also be covered. Microsoft Windows NT will be the software tool used in this course.

Prerequisite: CISM 4135

CISM 4151 Network Installation and Configuration3 Credits

This course will focus on the installation and configuration of a network using Windows NT. Planning, installing, configuring, optimizing, and managing resources are covered. Connectivity issues (DHCP, IIS, DNS, and IP) will also be discussed.

Prerequisite: CISM 4135

CISM 4160 Enterprise Resource Planning (ERP) in Theory3 Credits

This course is an introduction to SAP R/3 System concepts, framework and practical implementation of ERP for effective deployment of information and communications technology resources. The course aims to provide working knowledge of theory and practice of ERP for evaluation, planning, development, and implementation of enterprise resources. The course will include a review of current tools such as SAP R/3, BAAN, Oracle, and PeopleSoft.

Prerequisite: CISM 1130 or CSCI 1130

CISM 4161 Enterprise Resource Planning (ERP) with Cases3 Credits

Topics include structured programming design and processing, language fundamentals, and applications involving business problems using ABAP/4.

Prerequisites: CISM 4160

✓ **CISM 4900 Occupational Internship3 Credits**

This course is expected to serve as a supplemental source of learning and also to enhance the student's academic program and career objectives. A minimum of 100 hours of relevant and practical experience are required in a public or private organization, which has entered into a formal internship agreement with the College of Business Administration. The student will perform duties and services as assigned by the work supervisor and internship coordinator. Reports and assignments are required to be completed by the students. General tasks include PC maintenance, software/hardware installation and upgrades, Web Page creation/maintenance, and Database creation and maintenance. CIS majors will be awarded 3 semester credit hours for successful completion of the internship. A grade of C or better is required. **(A student can not receive credit for both BUSA 4229 and CISM 4900).**

Prerequisite: CISM 1130 or CSCI 1130 and Permission of Instructor, and approval of the Office of the Dean of COBA.

Architectural and structural draftsman and designer - plans, designs, and supervises construction of frame, steel, and concrete structures; makes architectural inspections and appraisals for architects and builders.

Highway engineering technologist - collects and tests soil samples, concrete and other materials to ascertain their physical characteristics for use in highway construction; establishes the location and measurements of points, elevations, lines, areas and contours of land needed for highway construction and prepares hard copy, draft or computer generated drawings of land.

Estimator - determines quantities and costs of materials and labor required to erect structures.

Materials tester - determines mechanical properties of materials used in the erection of structures and highways.

Surveyor - supervises, directs, and is responsible for the accuracy of the work of an engineering survey party engaged in determining the location and measurements of points, elevations, lines, areas, and contours on the earth's surface for purposes of securing data for building and highway construction, map-making, land valuation, mining, or other purposes.

Environmental technologist - plans, designs, and monitors water, wastewater, and other environmental pollution control systems.

CHEMICAL ENGINEERING TECHNOLOGY

The chemical engineering technology curriculum provides basic training in process stoichiometry and unit operations such as mass transfer, heat transfer, distillation/fractionation, and evaporation. Students receive laboratory training in the actual practice of operation, maintenance, repair, testing, and checkout of process equipment.

By relating engineering principles to the field of chemistry, the chemical engineering technology curriculum prepares students to assume engineering technologist duties in chemical process industries, the petroleum industry, and the food industry. Graduates may also find employment in more specialized areas such as paper, metal processing, pharmaceutical, textiles, paints and coatings, adhesives, environmental engineering and waste management. Graduates of the program may be part of an engineering team involved with design, production, research and development, or other related areas with a possibility of assuming a supervisory position in production.

COMPUTER SCIENCE TECHNOLOGY

The curriculum in computer science technology is designed for those students who are interested in careers in computer science. This program is flexible so that students may orient the major emphasis toward software aspect of computer science or to be the hardware realm of computer science. This program promotes an extensive interdisciplinary approach to provide students a sound educational background, one that will make the students quite marketable and thus be prepared for gainful employment in following areas:

Website developing and programming - information on web page design tips, java scripting guide, shareware HTML editor, and web server software and setup.

Programming/Software development - consider how software can, will, and should be developed.

Install Software/End user support - computer applications in word processing, spreadsheet, database programs and printer operations.

Network setup and administration - install, tests, maintain the networks, using basic configuration, configuring the interface, using TCP/IP, configuring routing, network security, involve in operations, policies, procedures, functions, principles and practices of network and telecommunications support services.

ELECTRONICS ENGINEERING TECHNOLOGY

*Accredited by the Technology Accreditation Commission of the
Accreditation Board for Engineering and Technology*

The electronics engineering technology curriculum provides instruction in the fundamentals of modern electronics theory, with emphasis on the application of theoretical principles to actual electronic devices, circuits, systems, design and fabrication. Graduates of the electronics engineering technology program are prepared to function effectively in several capabilities, including:

Research and development technologist - engages in the development, building and testing of new equipment in the areas of digital electronics, communication electronics and microelectronics.

Process control technologist - supervises the operation of automatic control equipment for industrial processes.

Field engineering specialist - installs, tests, and maintains equipment such as data processing machines and other electronic systems.

High frequency technologist - maintains and/or operates radar, sonar, and other warning detection and navigation devices.

MECHANICAL ENGINEERING TECHNOLOGY

*Accredited by the Technology Accreditation Commission of the
Accreditation Board for Engineering and Technology*

The mechanical engineering technology curriculum provides an opportunity for students to receive comprehensive engineering experience, which will enable them to design machinery, test materials, and supervise production and engineering projects. Graduates of the mechanical engineering technology program are qualified to assume the responsibilities of positions such as:

Machine designer - designs machines and instruments for industry.

Mechanical engineering technologist - works with mechanical engineers on design and production projects using CAD and CAM as techniques.

Quality control supervisor - supervises incoming materials and outgoing products as well as manages personnel to assure quality.

Project supervisor - manages technical personnel and materials to implement engineering projects.

Systems test technologist - participates in testing systems to determine if they meet design specifications.

ECONOMICS

ECON 2105 Principles of Macro-Economics3 Credits

An introduction to concepts that enable students to understand and analyze economic aggregates and evaluate economic policies. *For non-business majors, this course is now an option in AREA E (recommended option for those seeking the business minor).*

Prerequisites: MATH 1111 or equivalent

ECON 2106 Principles of Micro-Economics3 Credits

An introduction to concepts that enable students to understand and analyze the structure and performance of the market economy.

Prerequisites: MATH 1111 or equivalent

✓ **ECON 3145 Global Business Issues3 Credits**

A survey of environmental factors, such as culture, economics, law, and politics, affecting international business decision-making. The impact of the globalization of markets and competition as well as the increasing role of multinational corporations is emphasized.

Prerequisites: ECON 2105 and ECON 2106

✓ **ECON 3167 International Trade and Investments
(formerly ECON 4145)3 Credits**

An introduction to the modern theory of international trade, payments mechanism, commercial policy, and economic integration.

Prerequisites: ECON 2105 and ECON 2106

✓ **ECON 3175 Money, Credit and Banking3 Credits**

A course that examines the principles of money and banking with special reference to their functions, credit, the banking process, the banking system, foreign and domestic exchange, the business cycle, and the history of banking.

Prerequisite: ECON 2105

FINANCE

FINC 3000 Personal Finance3 Credits

A course designed to acquaint non-business students with the tools and constructs necessary for economic survival. This course focuses on consumer credit, savings and investment, insurance, home ownership, and estate planning.

Prerequisite: "42 hour rule" for business majors: (See Academic Regulation #1 above) junior standing (60 semester hours) for others.

FINC 3155 Business Finance3 Credits

Financial management of non-financial corporations and the role of interest rates and capital markets in the economy. Topics will include the structure and analysis of financial statements, time value of money calculations (using financial calculators), stock and bond valuation, financial forecasting, valuation of income-producing physical assets, determination of the cost of capital, the profitability of proposed investments in fixed assets, risk-return tradeoffs that must be considered in using financial leverage, and methods used in obtaining funds from the various capital markets. This course is taught mainly through lectures and class discussions of textual materials and problems.

Prerequisites: ECOB 2105, ECON 2106, ACCT 2101 and BUSA 2182 (formerly QUAN 2182)

FINC 3157 Investments3 Credits

The construction and management of optimal investment portfolios, utilizing primary investment instruments, such as common stocks and fixed income securities. The main topics covered include the organization and operation of securities markets (both domestic and international), the notion of risk and return and strategies for optimal diversification of risk. Other important topics covered include models for determining the value of different securities, theories of interest rates, and the measurement of portfolio performance. The course is taught mainly through lectures and class discussions of textual materials.

Prerequisite: FINC 3155

FINC 4155 International Finance3 Credits

An introduction to foreign exchange risk. This course develops students' understanding of institutional realities encountered by the financial manager in a global economic environment. Activities of currency arbitrage, hedging, and speculation are examined in light of exchange rate regimes, Eurocurrency markets, balance of payments, mechanics of foreign exchange markets, currency futures and options, the parity conditions in international finance, and international trade activities.

Prerequisite: FINC 3155

MANAGEMENT

MGNT 3165 Management of Organizations

(formerly "Organizational Behavior & Theory")3 Credits

The study of fundamental management principles and their applications in managing organizations. Topics will include planning, organizing, leading, and controlling, as well as management ethics and basic financial management techniques.

Prerequisite: "42 hour rule" for business majors: (See Academic Regulation #1 above) junior standing (60 semester hours) for others.

MGNT 3185 Operations Management (formerly QUAN 3185)3 Credits

This course focuses on the issues and techniques relevant to the management of the operations function within an organization, emphasizing its strategic significance. Operations Management is an introductory level course designed to expose students to the dynamic forces, which are responsible for shaping the business environment. The subject matter represents a blend of concepts from industrial engineering, cost accounting, general management, quantitative methods, and statistics. Students will learn about operations activities such as forecasting, scheduling, product and design service, capacity planning and project management to name a few. As with many core courses in business, the foundation of this course relies on teaching students sound decision-making principles. The basic quantitative techniques presented are essential to developing and nurturing students' decision-making skills.

Prerequisites: ACCT 2102, MATH 2181 (formerly QUAN 2181), BUSA 2182 (formerly QUAN 2182), and MGNT 3165

*check***MGNT 3195 Introduction to Management Science3 Credits**

This course focuses on the problem-solving and decision-making processes that use quantitative management science concepts and techniques. Some of these concepts include: Linear Programming, Sensitivity Analysis, Integer Programming, Network Flow Models, Project Management, Multicriteria Decision Making, Non-linear Programming, Decision Analysis, Queuing Analysis and Simulation. Using a hands-on-approach, students are expected to apply these concepts and techniques to solve real-world business problems using specialized computer algorithms. In some cases, students will be required to use a dedicated spreadsheet platform.

Prerequisite: MGNT 3185 (formerly QUAN 3185)

✓ MGNT 3196 Small Business Management and Ownership3 Credits

Management of newly created or newly acquired small businesses. Beginning with traits commonly found in successful entrepreneurs, students cover the various topics necessary to develop and run a profitable business. The topics include business entity forms, marketing for small/fledgling businesses, advertising, elements of business plan, risk management, and staffing decisions.

Prerequisite: MGNT 3165

✓ MGNT 3198 Entrepreneurship (formerly MGNT 4198)3 Credits

This course is an exploration of the personal qualities of successful entrepreneurs. This course provides students with information required in order to establish a new business venture and presents the unique management problems that face entrepreneurs when starting and operating new ventures. The course provides the student with an opportunity to research the idea of starting or taking over a business.

Prerequisite: MGNT 3196

✓ MGNT 3300 Organizational Behavior and Theory (formerly MGNT 4500)3 Credits

This course is designed to provide the management major with in-depth knowledge of the key issues in organizational behavior and theory facing managers today. Topics include organizational behavior of individuals and groups, and modern organizational design concepts. Experiential learning tools and videos will be utilized as well as the traditional methods of teaching via lecture and case analysis.

Prerequisite: MGNT 3165

✓ MGNT 4165 Human Resource Management3 Credits

A course focusing on the principles, practices, and scientific techniques and methods involved in the development and operation of an effective personnel and industrial relations program. The topics covered include the methods and procedures used by business management in recruiting, selecting, and maintaining an efficient work force.

Prerequisite: MGNT 3165

*check***✓ MGNT 4166 Labor-Management Relations3 Credits**

The development of organized labor, the theory and practice of collective bargaining, and the legal and economic aspects of employer-employee relations.

Prerequisite: MGNT 3165

✓ **MGNT 4167 Training and Development for Human Resources . . .3 Credits**
 A focus on developing a philosophy of teaching and the development of skills for delivery of instructional systems, analysis, design, development, delivery, and evaluation of instruction. Curriculum development, learning theories, instructional strategies, and professional development for professional trainers are emphasized (*90 semester hours of field experience required for education majors enrolled in the teaching certification cooperative program with Armstrong Atlantic State University*). (3-6-3)

Prerequisite: MGNT 3165

✓ **MGNT 4168 International Business Management3 Credits**
 A course divided into three major parts. Part one covers the various dimensions of the international business field, including brief coverage of the major theories of international trade and investment. Part two deals with the environment in which international business operates, the financial variables, including balance of payment, exchange rates, and capital markets, along with the cultural, legal, political, and economic institutions with which international business firms may come in contact. Part three concentrates on the operation aspects of international business; the firm-specific variables including marketing, finance, management, accounting; and attempts to integrate the environmental with the firm-specific variables into a meaningful, conceptual framework.

Prerequisite: MGNT 3165

✓ **MGNT 4169 Quality Management3 Credits**
 An introduction to the topic of quality in the management of modern organizations. Approaches of the major contributors such as Deming, Juran, and others are examined. This course provides business students with a set of skills for achieving and maintaining quality and process or service control. The course emphasizes the strategic importance of quality, statistical process control methods, problem-solving tools, and the management of quality.

Prerequisite: MGNT 3165

✓ **MGNT 4199 Small Business Entrepreneurial Strategy3 Credits**
 A course that uses a case study approach. This course is designed to allow students to perform in-depth case analysis of small/entrepreneurial businesses. The course culminates with students developing a comprehensive strategic plan for an entrepreneurial venture.

Prerequisite: MGNT 3198 (formerly MGNT 4198)

OK
 ✓ **MGNT 4200 Management of Diversity (formerly MGNT 3500)3 Credits**
 This course is designed to introduce the student to the complexities of managing workforce diversity. Topics include resistance to diversity, discrimination and fairness, diversity and organizational effectiveness, cultural diversity and multiculturalism, diversity in decision-making teams, and diversity training.

Prerequisite: MGNT 4165

✓ **MGNT 4800 Contemporary Topics in Management3 Credits**
 An elective for management majors, this course will address management topics of special interest. The topics may include, but are not limited to, crisis management, organizational communications and data management, compensation management, business ethics, organizational change, leadership, managing non-profits, management of risk, or case studies in management.

Prerequisite: MGNT 3300 (formerly MGNT 4500)

MARKETING

✓ MKTG 3175 Principles of Marketing3 Credits

A comprehensive overview of the marketing process for goods, services and ideas. The course is taught from a marketing management and decision-making perspective. Topics such as the organization's environment, marketing research, and buyer behavior are discussed as the context in which marketing plans and strategy are formulated. In addition, the marketing decision elements, product, distribution, promotion, and price are examined. Finally, topics such as international marketing, service marketing, and nonprofit marketing are explored.

Prerequisite: ECON 2106

✓ MKTG 3176 Professional Selling3 Credits

Course designed to introduce the basic principles and techniques of professional selling. Students build strategies for effective selling and practice approaches to presenting products, handling objections, and closing sales. The economic and psychological motives of the buyer are examined in both industrial and consumer goods and services markets. Some special topics such as telemarketing and sales technologies are also introduced.

Prerequisite: MKTG 3175

check MKTG 3177 Retail Management3 Credits

A course that deals with broad aspects of contemporary retailing. It covers the principles of retail store management, including strategic planning, location decisions, merchandise planning, budgeting decisions, inventory, pricing, advertising, and selling strategies. Legal and ethical constraints are also examined.

Prerequisites: ACCT 2102 and MKTG 3175

✓ MKTG 3178 Buyer Behavior3 Credits

An examination of the basic concepts and research results from marketing and the social sciences with the goal of enabling marketers to better understand customers and meet their needs. The decision process of buyers, factors affecting purchasing decisions, and customer satisfaction are major conceptual areas of the course. Implications for marketing strategies (e.g., market segmentation and product design and promotion) are discussed.

Prerequisite: MKTG 3175

check MKTG 3179 E-Commerce3 Credits

This course focuses on the role of marketing in electronic commerce. The technologies of electronic commerce, web-based marketing strategies, and the use of the Internet to improve management and marketing operations are discussed. Students will learn about the exciting possibilities that the Internet provides to sales and marketing managers as they strive to achieve promotion, service, and distribution efficiencies. Students will be asked to design a web site for a business or nonprofit organization. A team approach is used. Computer competence is a prerequisite.

Prerequisites: MKTG 3175 and CISM 2130

✓ **MKTG 4175 Advertising and Promotion3 Credits**

A course that examines advertising as a business and as a multidisciplinary subject that draws from both the arts and sciences. The first half of the course takes an analytical perspective, focusing on the history of advertising, as well as the social, legal, ethical, and economic issues. The second half of the course assumes a managerial perspective as students learn about the advertising process and create an advertising campaign.

Prerequisite: MKTG 3175

✓ **MKTG 4176 Contemporary Topics in Marketing3 Credits**

An elective for marketing majors. The course contains a variety of topics that are offered annually on a rotating basis. These topics may include, but are not limited to, buyer behavior, database marketing, channels of distribution, transportation and logistics, or case studies in marketing.

Prerequisite: MKTG 3175

✓ **MKTG 4179 International Marketing and Export Management . . .3 Credits**

A course that focuses on the marketing mix issues that are faced by large and small multinational organizations. Marketing decisions related to product line, branding, communications, distribution, and pricing are addressed.

Prerequisites: MGNT 3165 and MKTG 3175

✓ **MKTG 4182 Advanced Professional Selling3 Credits**

An in-depth study of advanced selling and sales management issues including negotiation strategies, international sales strategies, national account management, and sales force ethics. Communications skills are refined through experiential exercises and videotaped role-playing. Analytical skills are developed through the research, design, and production of a case study and selling scenario. Networking with local sales professionals will be a required component of the course.

Prerequisite: MKTG 3176

✓ **MKTG 4183 Sales Management3 Credits**

This course addresses the unique aspects of business-to-business selling as well as sales management issues and responsibilities. Topics include organizing, staffing, and training a sales force, directing sales force operations, sales forecasting, and evaluating and compensating salespeople.

Prerequisite: MKTG 3176

✓ **MKTG 4185 Strategic Marketing3 Credits**

This course is designed as the capstone course in the marketing curriculum. Students will integrate materials learned in previous marketing course and apply marketing principles to solve actual business problems. The emphasis will be on planning, operation, and control of marketing activities. Case studies and stimulation games where students market one or more products are used to present "real life" situations. The emphasis will be on the analysis of marketing information and on the skills involved when making marketing decisions. Students will be required to prepare a marketing plan for a local business or nonprofit organization.

Prerequisites: MKTG 3175 and nine (9) hours of additional marketing courses

COLLEGE OF LIBERAL ARTS AND SOCIAL SCIENCES

AFRICANA STUDIES

AFRS 2000 Introduction to Africana Studies 3 Credits

This course is a broad based survey course designed to give the student and understanding of the general history of the development of the discipline and to define its scope. The conceptual parameters of study will be established and distinguished from other fields of academic inquiry.

AFRS 3102 The African and African American Family 3 Credits

This is an upper division course, which focuses upon the unique development of the African and African-American family within the traditional and modern context both within continental Africa and the Americas. Relevant topics concerning the African American family will be studied. Particular attention will be given to the survival role the family has served for African peoples.

Prerequisite: AFRS 2000

AFRS 3111 The Africana Woman 3 Credits

This course specifically addresses the role of African women in the development of modern and post modern society in Africa and the diaspora. The unique continuing contribution of Africana women in the ongoing transformation of social relations is the central theme and topical focus of this course. The course will exam the various political tendencies within the African women's movement. It will also explore the underlying social causes of male chauvinism, gender violence, and gender role transformation within the context of race and class oppression.

Prerequisite: AFRS 2000

AFRS 3000 Africana Political Ideology and Philosophy 3 Credits

This course is designed to study the relevant ideas that have served as the intellectual and philosophical foundations of mass movements throughout Africa and the diaspora. Classical Pan Africanism, Negritude, the ideology of selected Black Millenarian Movements, Black nationalism, Black Cultural Nationalism, Ujamaa Socialism, Kawaida Nationalism, Black Marxism, and contemporary Pan African and Afrocentric thought will be considered.

Prerequisite: AFRS 2000

AFRS 3211 Religion and African Thought Systems 3 Credits

An extensive examination of the various cosmologies, basic ethical systems, and spirituality of selected traditional African societies and the extent of their impact and influence on the development of the African American religious tradition.

AFRS 4218 (Also ENGL 4218) African-American Nonfiction 3 Credits

A survey of African-American nonfiction from the early slave narratives to the present, including W.E.B. DuBois, Alex Haley, Alice Walker, and others.

Prerequisites: ENGL 1102

AFRS 4601 Senior Seminar 3 Credits

A comprehensive review and analysis of topics and issues, theories, and interpretations, and research in African and African-American Studies.

Prerequisite: Permission of the instructor

ANTHROPOLOGY

ANTH 1101 Introduction to Anthropology3 Credits
An introduction to the study of primitive and traditional societies with focus on cross-cultural comparisons of pre-literate and modern social institutions.

ART

ARTS 1101 Introduction to Art3 Credits
An exploration of the basic elements and principles of two- and three-dimensional art. A look at how artists apply the elements, principles, materials, and techniques to create their own style. The works of contemporary African-American artists are highlighted.

ARTS 3201 Drawing I3 Credits
Basic drawing materials and techniques. Elements and principles of art are studied through still life and nature subject matter. Introduction to computer drawing is optional.

ARTS 3211 Drawing II3 Credits
An introduction to the study of landscape and the human figure. Elements and principles of design will be reviewed. The course explores various materials and techniques. Basic introduction to computer drawing is optional.

ARTS 3301 Printmaking I3 Credits
An exploration of line, texture, pattern, and shape combined with the basic techniques of relief printmaking in the production of woodcuts and linoleum cuts.

ARTS 3311 Printmaking II3 Credits
Basic elements of design, composition, and drawing applied to the techniques of relief printmaking in the production of woodcuts and linoleum cuts.

ARTS 3401 Basic Design I3 Credits
Basic elements, principles, materials, and techniques of two-dimensional visual art. Students are expected to research and write.

ARTS 3411 Basic Design II3 Credits
Basic elements, principles, materials, and techniques of three-dimensional visual art. Students are expected to research and write.

ARTS 3501 Crafts I3 Credits
Experiences in significant craft materials: wood, fabrics, fibers, and metals. Students learn elementary loom weaving techniques, fabric printing and painting, jewelry and metal work, macramé, and techniques of wood crafts.

ARTS 3502 Crafts II3 Credits
Continuation of Crafts I. Emphasis on jewelry and metal work.

ARTS 3601 African-American Art3 Credits
Study of African-American Art of the eighteenth, nineteenth, and twentieth century.

ARTS 4101 Illustration I3 Credits
Exploration of illustration as a means of communicating ideas in nonverbal/pictorial ways. A variety of drawing styles, techniques, and materials will be explored in creation of drawings and illustrations for this class.

- ARTS 4111 Illustration II**3 Credits
 Exploration of basic design, composition, style, and techniques and the development of problem solving skills in the creation of finished illustrations. A variety of drawing styles, techniques, and materials will be explored.
- ARTS 4301 Painting I**3 Credits
 Painting media and techniques of oil, acrylic, or watercolor.
- ARTS 4311 Painting II**3 Credits
 Continuation of Painting I. Emphasis on advanced techniques and easel and mural designs.
- ARTS 4601 Art History (required)**3 Credits
 Chronological review of art of the ancient world in prehistoric times to the study of the visual arts during the twentieth century. Field visits to city, county, and state museums and galleries.
- ARTS 4701 Ceramics**3 Credits
 Study of ceramics materials and processes such as modeling, hand building, and basic wheel techniques. Emphasis on designing, constructing, glazing, and firing earthenware and stoneware clays.
- ARTS 4711 Sculpture**3 Credits
 Study of three-dimensional forms and the limitations of sculptural media. Experiences include work in clay, wood, stone, metal, and plastic.
- ARTS 4801 Interior Design**3 Credits
 Planning, designing, and decorating single and multiroom dwellings to meet modern aesthetic needs.
- ARTS 4811 Weaving**3 Credits
 Techniques of weaving on four harness table of floor looms. Recent trends and developments are studied for creative drafting and pattern weaving. The course also covers concepts of design, color, and texture as used in textile construct.

CRIMINAL JUSTICE

- CRJU 2101 Crime, Law, and Society**3 Credits
 A study of the history, theory, and structure of the criminal justice system; introduction to substantive and procedural criminal law, police, courts, corrections, and juvenile justice.
- CRJU 3101 American Policing**3 Credits
 A study of the role of the police in American society and an overview of police organization and administration.
Prerequisite: CRJU 2101 or CRJ 200
- CRJU 3111 American Court System**3 Credits
 An examination of the history, philosophy and basic concepts of the legal system; the organization and jurisdiction of federal, state, and local courts; and the legal process from inception to appeal.
Prerequisite: CRJU 2101 or CRJ 200
- CRJU 3121 American Corrections**3 Credits
 A study of the historical and philosophical development of the correctional system; the organization and functions of correctional agencies; and the role and responsibilities of personnel in the correctional setting.
Prerequisite: CRJU 2101 or CRJ 200

check

CRJU 3131 Research Methods in Criminal Justice3 Credits
The methodology of social science as applied to criminal justice; emphasis on evaluation; use of computers for the analysis and presentation of quantitative information.
Prerequisite: CRJU 2101 or CRJ 200

CRJU 3301 Constitutional Law in the Criminal Process3 Credits
A case study approach to theoretical and applied knowledge of constitutional issues affecting the criminal justice system.

✓ **CRJU 3901 Internship12 Credits**
Participation on staff of a criminal justice agency under co-supervision of faculty and agency personnel. This course requires field experience, periodic conferences and seminars, and compositions and readings designed to combine theory and professional practice. A forty-hour week, full-time internship is required.
Prerequisites: CRJU 4901 or CRJ 461 and instructor's approval.

CRJU 4111 Criminology3 Credits
A study of criminal behavior and its impact on society, overview of major theories and crime causation and empirical findings about numbers of crimes and the characteristics of offenders and victims.

✓ **CRJU 4301 Jurisprudence of Criminal Law3 Credits**
An examination of the nature and scope of criminal law; the classification and analysis of crimes and the examination of specific offenses, justifications, excuses, and other defenses.
Prerequisite: CRJU 2101 or CRJ 200

✓ **CRJU 4311 Juvenile Justice3 Credits**
A study of children in the legal system, including issues and problems concerned with the social control and protection of young persons; the role and responsibilities of the juvenile court, law enforcement, and corrections.
Prerequisite: CRJU 2101 or CRJ 200

check **CRJU 4321/AAAS 4321 Minorities and Crime3 Credits**
A comprehensive study of the role of crime in the lives of various minorities within American society.
Prerequisite: CRJU 2101 or CRJ 200

check **CRJU 4331 Comparative Criminal Justice Systems3 Credits**
An analysis of the design, operation, and legal basis for systems of justice in other countries, governmental, political, demographic, and economic factors in past and current trends in the adjudication of offenders; cross-cultural analysis of causes of crime and systems of justice.
Prerequisite: CRJU 2101 or CRJ 200

✓ **CRJU 4501 Violence, Crime and Justice3 Credits**
An examination of violence, criminal responses to violence, and the role of noncriminal justice agencies in the area of violence prevention; a review of theories, statistical data, and case studies from other disciplines, such as: law, psychology, sociology, history, and, of course, criminology and criminal justice.
Prerequisite: CRJU 2101 or CRJ 200

✓ **CRJU 4521 Criminal Justice Management3 Credits**
A focus on issues in the organization and management of criminal justice agencies, including police departments, prosecutors' offices, courts, jails, prisons, and community corrections.
Prerequisites: CRJU 3101, 3111 and 3121

CRJU 4601 Selected Topics in Criminal Justice3 Credits

An in-depth study of current topics, which are selected, developed, and taught by a member of the faculty.

Prerequisite: Permission of the instructor

CRJU 4701 Criminal Law Practicum3 Credits

A demonstration of knowledge acquired in previous law courses by engaging in a practical exercise (mock trial); requires thorough knowledge of all aspects of criminal law and trial procedures.

Prerequisite: CRJU 3301, CRJU 4301 or CRJ 440

CRJU 4901 Senior Seminar3 Credits

Selected topics of current interest. Critical analysis of current research literature and development of action projects by seminar members.

Prerequisite: Permission of the instructor

DANCE

ARTS/HEDU 1501 Modern Dance Techniques1 Credit

This course teaches the fundamentals of modern dance as well as introduces students to the history and techniques of the modern dance tradition. Students will study basic modern dance principles and aesthetics and learn modern movement to develop and improve strength, flexibility, balance, coordination and creative expression.

ARTS/HEDU 1511 Modern Dance Performance1 Credit

This course builds upon the techniques of dance learned in ARTS/HEDU 1501. It is designed to help students enhance skills in a variety of modern dance techniques for performances. Students will gain intellectual and kinesthetic understanding of different modern styles. Performance qualities and creative movement explorations are an important aspect of the class.

Prerequisite 1501

ARTS 3501 Appreciation and History of Dance3 Credits

Required This course surveys dance cultures in America and the relationship of dance to the identity and expression of different groups in the United States. Jazz, modern, ballet, and multi-cultural dance forms will be the focus of the class. The course includes guest lectures, film, videos, performing artists, reading, discussions, research papers and attending a dance performance.

ARTS 3503 African-Caribbean Dance3 Credits

Beginning with Dunham Techniques, the course introduces the rich dance cultures of the Caribbean. Students will learn the different dances of Haiti, Cuba, Jamaica, and Trinidad as they relate to their function in secular and religious culture. Students will also study the Dunham Dance Techniques as codified by distinguished dancer Katherine Dunham.

Prerequisite ARTS 1501, 1511

ARTS 4501 Dance Theory3 Credits

This course explores contemporary theories of movement and dance. It includes Alexander technique, effort-shape analysis, and post-modern, jazz, and improvisational dance. Lecture one hour, laboratory four hours.

Prerequisites 1501, 1511 and 3503

ARTS 4504 Interpretive Dance and Performance 3 Credits
 This course is for the advanced skilled dancer. It stresses the theory and practice of interpretive modern dance through a development of style. Students will learn basic principles of choreographic form and style.
Prerequisites 1501, 1511, and 4501

ENGLISH

ENGL 1101 English Composition I 3 Credits
 A course designed to develop college-level reading and writing skills. Focuses on vocabulary, analysis of readings, grammar, mechanics, and the steps of the writing process. Introduces documented research and various patterns of organization and development. Minimum passing grade is "C."
Prerequisites: Regular admission or exit from ENGL 0099 or ENG 098 and READ 0099 or RDG 098

✓ **ENGL 1102 English Composition II 3 Credits**
 A course designed to further develop college-level reading and writing skills. Includes analysis of literary texts and specialized application of the research and writing skills learned in ENGL 1101. Minimum passing grade is "C."
Prerequisite: ENGL 1101

✓ **ENGL 2104 Advanced Composition 3 Credits**
 Further practice in writing the basic composition forms, as well as intensive study of semantics, logic, rhetoric, and grammar. Frequent papers and conferences with instructor. Required for English and mass communications majors.
Prerequisite: ENGL 1102

✓ **ENGL 2105 Practical Criticism 3 Credits**
 Practice in literary analysis, close reading, and research, utilizing standard literary terminology and the Modern Language Association (MLA) documentation style. Frequent papers and conferences with instructor. Required for English majors and minors.
Prerequisite: ENGL 1102

✓ **ENGL 2110 World Literature I 3 Credits**
 Survey of important works of world literature from ancient times through the mid-seventeenth century. The emphasis will be on examining works for their value both as artistic achievements and as cultural artifacts.
Prerequisite: ENGL 1102

✓ **ENGL 2112 World Literature II 3 Credits**
 A survey of important works of world literature from the mid-seventeenth century to the present.
Prerequisite: ENGL 1102

✓ **ENGL 2121 Introduction to English Literature I 3 Credits**
 A survey of English writing from Beowulf to the Romantic period.
Prerequisites: ENGL 1102

✓ **ENGL 2122 Introduction to English Literature II 3 Credits**
 A survey of English writing from the Romantic period to the contemporary period.
Prerequisites: ENGL 1102

✓ **ENGL 2131 Introduction to American Literature I3 Credits**

A study of the main currents of literary thought and expression in America from the colonial period to 1865.

Prerequisites: ENGL 1102

check **ENGL 2132 Introduction to American Literature II3 Credits**

A study of the main currents of literary thought and expression in America from 1865 to the present.

Prerequisites: ENGL 1102

check **ENGL 3011 Medieval English Literature3 Credits**

Literature in the Middle English and Scots dialects (some works are studied in modern translations), including verse romances, the allegorical tradition, the poetry of Chaucer, drama, and folk ballads.

Prerequisites: ENGL 2121 or consent of the instructor

✓ **ENGL 3012 Renaissance English Literature3 Credits**

Literature primarily of the Elizabethan and Jacobean eras, with emphasis on the transition from medieval to modern ideas, the rise and flowering of English drama, and the emergence of contrasting prose styles and schools of poetry. Includes such writers as Marlowe, Spenser, Shakespeare, Jonson, Donne, Bacon, and Milton.

Prerequisites: ENGL 2121 or ENG 210 or consent of the instructor

check **ENGL 3013 Neoclassic English Literature3 Credits**

Literature from the Restoration through most of the eighteenth century, with emphasis on Neoclassic ideals and modes, the comedy of manners, the rise of modern prose, the prevalence of satire and the heroic couplet, and the cult of sensibility. Includes such writers as Congreve, Dryden, Swift, Pope, Sheridan, Goldsmith, Johnson, and Boswell.

Prerequisites: ENGL 2121 or ENG 210 or consent of the instructor

check **ENGL 3014 Romantic English Literature3 Credits**

The genesis of Romantic theory and the beginning of the Romantic revolt in English; significant literary aspects of the movement as shown in the works of Wordsworth, Coleridge, Byron, Shelley, and Keats; in the prose writing of Hazlitt, DeQuincey, Hunt, Lamb, and Scott.

Prerequisites: ENGL 2122 or consent of the instructor

check **ENGL 3015 Victorian English Literature3 Credits**

Literature during the reign of Queen Victoria, showing the merging of the Romantic tradition into the era of modern doubt. Includes such writers as Carlyle, Tennyson, the Brownings, Arnold, Ruskin, Meredith, the Rossettis, Swinburne, Pater, Hopkins, and Wilde.

Prerequisites: ENGL 2122 or consent of the instructor

ENGL 3016 Modern English Literature3 Credits

Literature from the Edwardian period through the two world wars and decolonization to the present. Includes such writers as Hardy, Shaw, Conrad, Yeats, Joyce, Woolf, Lawrence, Eliot, Graves, Auden, Thomas, Beckett, Osborne, Pinter, and Stoppard.

Prerequisites: ENGL 2122 or consent of the instructor

ENGL 3111 Major Authors Since 19503 Credits

A survey of major trends and recent works in world literature, including American. Covers such topics as drama of the absurd, magical realism, and feminism.

Prerequisite: ENGL 1102

✓ **ENGL 3121 (Also RPHS 3121) The Bible as Literature 3 Credits**

Critical survey of the various forms of literature found in the Old and New Testaments.

Prerequisites: ENGL 1102

✓ **ENGL 3212 (Also AFRS 3212) African-American Oral Tradition . . . 3 Credits**

Studies African-American folklore, preaching and speaking, and the lyrics of spirituals, blues, and rap in relation to African roots, historical conditions, and literary practice.

Prerequisites: ENGL 1102

✓ **ENGL 3213 (Also AFRS 3213) African Literature 3 Credits**

An introduction to the "orature" and literatures (anglophone and, in translation, vernacular, francophone, Swahili, and Arabic) of sub-Saharan Africa. Includes such writers as Achebe, Soyinka, Armah, Okri, Ngugi, Senghor, Beti, Oyono, Fagunwa, and Salih.

Prerequisites: ENGL 1102

ENGL 3216 (Also AFRS 3216) African-American Poetry 3 Credits

A survey of African-American poetry from the nineteenth century through the Harlem Renaissance to contemporary poetry, examining its relationships to the oral tradition and to literary, social, and political influences. Includes such writers as Claude McKay, Langston Hughes, Gwendolyn Brooks, Nikki Giovanni, Sonia Sanchez, and Rita Dove.

Prerequisites: ENGL 1102

✓ **ENGL 3218 (Also AFRS 3218) African-Caribbean Literature 3 Credits**

An introduction to the literature of the Caribbean produced by writers of African descent. Includes such writers as Walcott, Braithwaite, Lamming, Marshall, Kincaid, Césaire, and Guillen.

Prerequisites: ENGL 1102

✓ **ENGL 3321 Introduction to Language Study 3 Credits**

A general survey of linguistic science with emphasis on phonetics, morphology, syntax, and sociolinguistics.

Prerequisites: ENGL 1102

ENGL 3322 The History of the English Language 3 Credits

A study of the historic-comparative method, linguistic change, and the history of the English language, with extensive treatment of the development of English in America.

Prerequisite: ENGL 1102

ENGL 3323 Advanced Grammar and Syntax 3 Credits

Intensive analysis and application of the structure of contemporary English, with emphasis on parts of speech, the verb system, and sentence structure. Theoretical issues, such as prescriptive versus descriptive grammar, may also be discussed.

Prerequisite: ENGL 1102

✓ **ENGL 3411 Creative Writing: Fiction 2 Credits**

Practice in writing fiction, with readings in technique, analysis of sample fictional works, and instruction in submitting writings for publication. Frequent papers and conferences with instructor.

Prerequisites: ENGL 1102

ENGL 3412 Creative Writing: Drama 2 Credits

Practice in writing drama, with readings in technique, analysis of sample plays, and instruction in submitting works for production. Frequent papers and conferences with instructor.

Prerequisites: ENGL 1102

✓ **ENGL 3413 Creative Writing: Poetry**2 Credits
Practice in writing poetry, with readings in technique, analysis of sample poems, and instruction in submitting writings for publication. Frequent papers and conferences with instructor.

Prerequisites: ENGL 1102

✓ **ENGL 3511 Drama and the Theater I**3 Credits
A study of world drama from the earliest times through the mid-seventeenth century.

Prerequisites: ENGL 1102

ENGL 3512 Drama and the Theater II3 Credits
A study of world drama from the mid-seventeenth century to the present.

Prerequisites: ENGL 1102

✓ **ENGL 3521 Introduction to Cinema Studies**3 Credits
Introduction to techniques for critically analyzing films and survey of major developments and achievements in the history of cinema.

Prerequisites: ENGL 1102

ENGL 3611 Literature of the City3 Credits
A study of literature that explores the role of the urban environment in shaping human consciousness and activities. Considers such writers as John Dos Passos, Tennessee Williams, and Langston Hughes.

Prerequisites: ENGL 1102

ENGL 3621 Nature Writing3 Credits
A survey of the best of American and English nature writing, beginning in the early 1700s with White and Bartram and concluding with the contemporary masters of the genre. The course will emphasize the growing movement in ecology and make use of outside speakers and field trips.

Prerequisites: ENGL 1102

ENGL 3631 The Epic Tradition3 Credits
A study of the epic from classical antiquity to Milton.

Prerequisites: ENGL 1102

✓ **ENGL 4011 Shakespeare**3 Credits
Reading and critical discussion of the great tragedies, comedies, and historical plays of Shakespeare with attention to Shakespeare's life and to Elizabethan theater.

Prerequisites: ENGL 2121

✓ **ENGL 4021 The English Novel**3 Credits
An evaluative study of works of great English novelists. Rise and development of the English novel, together with an analytical appraisal of four elements—setting, character, plot and philosophy. Readings and discussion of various types, with emphasis upon the variety of methods by which the novel interprets life.

Prerequisites: ENGL 2122 or consent of the instructor

✓ **ENGL 4101 (Also SPEH 4101) Advanced Speech**3 Credits
A course emphasizing self-improvement in all phases of diction and delivery and providing experience in various speaking situations.

Prerequisite: SPEH 1101

ENGL 4112 History of Literary Criticism 3 Credits

A survey of literary criticism from Plato, Aristotle, Longinus, and the Sophists through the modern and early contemporary period (including formalism, ethical criticism, structuralism, and the Black Arts movement). Emphasis on classic texts.

Prerequisites: ENGL 2104 and ENGL 2105

ENGL 4121 American Women's Writing 3 Credits

A study of writing by American women, from the colonial period to the present, with particular attention to issues of identity and literary authority. The course will consider writers such as Bradstreet, Wheatley, Rowlandson, Fuller, Jacobs, Dickinson, Chopin, Gilman, Wharton, Hurston, Moore, Stein, H.D., Morrison, Walker, and Angelou.

Prerequisites: ENGL 2131 and ENGL 2132 or consent of the instructor

ENGL 4131 Women in Culture and Society:**The Literary Tradition 3 Credits**

A general overview of women's writings in English from the middle ages to the twentieth century, with particular attention to the way these writers negotiate their literary activity in relation to cultural and social expectations for gender roles. Specific thematic focus will change from semester to semester. Some possibilities include women and spiritual authority; women and political power; women and domesticity; and women and love.

Prerequisites: ENGL 2104 and ENGL 2105 or consent of instructor

ENGL 4151 Alternative Forms of Creative and Critical Writing . . . 3 Credits

A writing workshop that explores creative nonfiction; various forms of experimental poetry and prose; the impact of orality, performance, and intermedia on printed text; and the intersection of creative and critical writing.

Prerequisites: ENGL 2104 and ENGL 2105 or consent of the instructor

ENGL 4211 (Also AAAS 4211) African-American Drama 3 Credits

A study of the development of African-American theater from minstrels to modern theater workshops and the plays of such writers as Langston Hughes, Lorraine Hansberry, Amiri Baraka, Ntozake Shange, and August Wilson.

Prerequisites: ENGL 1102

ENGL 4217 (Also AAAS 4217) African-American Fiction 3 Credits

A critical survey focusing on leading themes and techniques in the short stories and novels of such authors as Charles Chesnutt, Zora Neale Hurston, Richard Wright, Ralph Ellison, James Baldwin, Toni Morrison, Ishmael Reed, Alice Walker, and Gloria Naylor.

Prerequisites: ENGL 1102

ENGL 4218 (Also AFRS 4218) African-American Nonfiction 3 Credits

A survey of African-American nonfiction from the early slave narratives to the present, including W.E.B. DuBois, Alex Haley, Alice Walker, and others.

Prerequisites: ENGL 1102

ENGL 4311 Romantic American Literature 3 Credits

A focus on the Romantic Movement in the United States. Includes such writers as Thoreau, Hawthorne, Poe, Melville, Whitman, and Dickinson.

Prerequisites: ENGL 2131 or consent of the instructor

ENGL 4321 American Literary Realism3 Credits

A focus on the Realist and Naturalist movements in the United States, including local color writers. Includes such writers as Twain, Crane, James, Norris, Chesnutt, Chopin, and Dreiser.

Prerequisites: ENGL 2131 and ENGL 2132

ENGL 4331 Modern American Novel3 Credits

A survey from the early twentieth century to the present, with emphasis on leading themes and techniques. Includes such writers as Fitzgerald, Faulkner, Hemingway, Bellow, Vonnegut, and Morrison.

Prerequisites: ENGL 2131 or consent of the instructor

ENGL 4332 American Short Story3 Credits

A survey of the development of the short story as a literary form from Poe to the present. Includes such writers as Harte, Henry, Anderson, Faulkner, Hemingway, O'Connor, Updike, Carver, and Barthelme.

Prerequisites: ENGL 1102

ENGL 4335 Modern American Poetry3 Credits

A survey of poetry in the twentieth century, with emphasis on leading themes, techniques, and movements. Includes such writers as Frost, Pound, Eliot, Stevens, Cummings, Williams, Hughes, Roethke, Ginsberg, Lowell, Plath, and Dove.

Prerequisites: ENGL 2105 and ENGL 2132

ENGL 4400 Special Topic3 Credits

An in-depth exploration of a literary topic. The topic changes each time the course is offered. Examples of topics include The Gullah Culture, Contemporary Multiethnic American Literature, Islamic Literature (in translation), Latin American Fiction (in translation), and Japanese Literature (in translation). Can be repeated for credit with different topics.

Prerequisites: ENGL 2104 and ENGL 2105 or consent of instructor

ENGL 4551 Postcolonial Studies3 Credits

An exploration of such concerns as race, gender, nationality, and postcolonial subjectivity. Texts studied will include such writers as Jean Rhys, V. S. Naipaul, Salman Rushdie, Grace Nichols, and Okot p'Bitek, along with such theorists and critics as Homi Bhabha and Frantz Fanon.

Prerequisites: ENGL 2104 and ENGL 2105 or consent of instructor

ENGL 4611 Practicum/Workshop: Small Press Production3 Credits

Hands-on course in all phases of journal and small book production, from conception to distribution. Participants will work on individual book projects and collaboratively develop a nationally distributed literary journal. Working as members of a production team, students will gain practical experience in areas such as budgeting, manuscript solicitation, review and editing, product design, layout, and camera-ready copy preparation; post-production activities such as LC cataloguing, distribution, and promotion.

Prerequisites: ENGL 2104 and ENGL 2105 or consent of instructor

ENGL 4621 Introduction to Contemporary**Popular Culture Studies3 Credits**

Examines pop culture icons and issues since World War II in both American mainstream and counterculture milieus, from Hollywood to Hip Hop. Studies current (modern and postmodern) trends in pop culture/culture theory (from Frankfurt School materialist socialism to techno-theory). Multicultural orientation.

Prerequisites: ENGL 1102

ENGL 4631 Literary and Cultural Theory3 Credits

Focuses on current trends in literary and cultural theory. Introduction to major schools/tendencies, including Marxist materialism, dialogic and semiotic analysis, deconstruction, reader-response criticism, psychoanalytic criticism, new historicism, materialist feminism, and African-American feminism.

Prerequisites: ENGL 2104 and ENGL 2105 or consent of the instructor

ENGL 4641 Hypermedia and Humanities Research3 Credits

Team-taught in conjunction with Computer Information Systems. Applies current methods and trends in interactive computer technology to the preparation and presentation of scholarly research in the humanities. Internet-based group projects integrating audio, visual, and written material using current multimedia presentational software will be required. Students will learn to research on the Internet, create stand-alone multimedia presentations, and develop interactive hypermedia presentations on the Net.

Prerequisites: CISM 3136 and ENGL 1102

ENGL 4700 Senior Seminar3 Credits

A capstone course in which students will be guided to synthesize previous coursework through intensive study of literary movements, genres, and authors. Methods include small group discussion, formal and informal oral presentations, and conferences with the professor. Each student will prepare a major paper demonstrating skill in research, writing, and critical thinking.

Prerequisites: Senior standing

ENGL 4800 Honors Thesis3 Credits

Independent study resulting in a thesis.

Prerequisite: Open by permission only to senior English majors with a minimum 3.0 average

FOREIGN LANGUAGES

ARABIC

ARAB 1001 Elementary Arabic I3 Credits

An introduction to elementary modern standard Arabic. The course will focus on the phonology and writing system. Lectures in Arabic civilization and culture will be integrated into the language study. Not open to students who have more than one year of high school Arabic or who are native speakers of Arabic.

ARAB 1002 Elementary Arabic II3 Credits

A continuation of Elementary Arabic I. The emphasis will be on speaking and writing skills. Intensive practice of sentence structure and basic vocabulary will be required. Various aspects of Arabic culture will be examined. Not open to students who have more than one year of high school Arabic or who are native speakers of Arabic.

Prerequisite: ARAB 1001

ARAB 2001 Intermediate Arabic I3 Credits

An intensive review of grammar and sentence structure, along with drills in reading, speaking and writing. Language instruction will be supplemented with lectures and audio-video presentations.

Prerequisite: ARAB 1002 or two years of high school Arabic

ARAB 2002 Intermediate Arabic II3 Credits
 Continuation of Intermediate Arabic I.
Prerequisite: ARAB 2001

CHINESE

CHIN 1001 Elementary Chinese I3 Credits
 An introduction to elementary Chinese. This course focuses on listening to, speaking, writing, and reading everyday Chinese. Lectures on Chinese civilization will be integrated into the language study. Not open to students who have more than one year of high school Chinese or who are natives of Chinese.

CHIN 1002 Elementary Chinese II3 Credits
 A continuation of Elementary Chinese I with more emphasis on writing. Intensive practice in grammar and composition will be required. Continuing study of Chinese culture. Not open to students who have more than one year of high school Chinese or who are natives of Chinese.
Prerequisite: CHIN 1001

CHIN 2001 Intermediate Chinese I3 Credits
 Intensive review of grammar and sentence structure, with emphasis on writing, speaking, and reading. Some cultural aspects will also be studied.
Prerequisite: CHIN 1002 or two years of high school Chinese.

CHIN 2002 Intermediate Chinese II3 Credits
 Continuation of Chinese 2001
Prerequisite: CHIN 2001

FRENCH

FREN 1001 Elementary French I3 Credits
 A beginning French course which focuses on practice in hearing, speaking, reading, and writing everyday French. The culture and civilization of France are also stressed. Not open to students who have more than one year of high school French or who are native speakers of French.

FREN 1002 Elementary French II3 Credits
 A continuation of French 1001 with emphasis on hearing, speaking, reading and writing.
Prerequisite: FREN 1001

FREN 2001 Intermediate French I3 Credits
 An intensive review of basic French with more emphasis on speaking, reading, and writing. Various cultural aspects of France and Francophone countries are examined.
Prerequisite: FREN 1002 or two years of high school French.

FREN 2002 Intermediate French II3 Credits
 A continuation of intermediate French I. Intensive review in writing, speaking, and reading.
Prerequisite: FREN 2001

FREN 3101 Advanced Conversation and Composition3 Credits
 Intensive practice in conversational French based upon written texts and audio-visual documents. Development of writing and stylistic skills in addition to advanced review of grammatical structure.
Prerequisite: FREN 2002

FREN 3201 French Civilization3 Credits

Acquaintance of the student with major contributions of France to Western civilization. The notion of Francophones will also be studied.

Prerequisite: FREN 3101

FREN 3203 Survey of French Literature3 Credits

Diachronic study of French literature from the middle ages to modern times, with emphasis on major authors and/or works.

Prerequisite: FREN 3101

FREN 3401 Introduction of Business French3 Credits

Basic notions of management, market studies, insurance, corporate laws, export-import, telecommunications and commercial correspondence will be introduced.

Prerequisite: FREN 3101

FREN 3402 Intermediate Business French3 Credits

Same emphasis as FREN 3401 in addition to the usage of French Minitel through the Internet.

Prerequisite: FREN 3401

FREN 4100 Survey of African and Caribbean**Francophone Literature3 Credits**

Study of selected writings in prose, poetry, and drama by major French-speaking African, North African, and Caribbean writers.

Prerequisite: FREN 3101

FREN 4500 Study in France3-12 Credits

Summer study in France with the Study Abroad Program of the University System of Georgia. Topics and levels of study may vary.

Prerequisite: Recommendation of instructor

GERMAN

GRMN 1001 Elementary German I3 Credits

A beginning course using a practical approach with emphasis on speaking, listening to, and reading everyday German. Not open to students who have more than one year of high school German or who are native speakers of German.

GRMN 1002 Elementary German II3 Credits

Continuation of German 1001 with more emphasis on writing.

Prerequisite: GRMN 1001

GRMN 2001 Intermediate German I3 Credits

Intensive review of grammar and structures. Practice in speaking and writing based on textual readings.

Prerequisite: GRMN 1002 or two years of high school German.

GRMN 2002 Intermediate German II3 Credits

Continuation of German 2001.

Prerequisite: GRMN 2001

SPANISH

SPAN 1001 Elementary Spanish I3 Credits

A course for students with little or no previous language study. Practice in listening to, speaking, reading, and writing everyday Spanish. Introduction to Spanish culture. Not open to students who have more than one year of high school Spanish or who are native speakers of Spanish.

SPAN 1002 Elementary Spanish II3 Credits

Practice in listening to, speaking, reading, and writing Spanish. Continuation of Spanish 1001.

Prerequisite: SPAN 1001

SPAN 2001 Intermediate Spanish I3 Credits

An intensive review of basic principles of the language; continued practice in listening, speaking, reading, and writing.

Prerequisite: SPAN 1002 or two years of high school Spanish.

SPAN 2002 Intermediate Spanish II3 Credits

Intensive review of basic principles of Spanish; continued practice in listening, speaking, reading, and writing.

Prerequisite: SPAN 2001

SPAN 3101 Advanced Conversation and Composition3 Credits

A course focusing on understanding, speaking, and writing. Students will give oral presentations and write compositions on assigned topics.

Prerequisite: SPAN 2002

SPAN 3201 Civilization and Culture of Spain3 Credits

An historical survey of the culture of Spain from the Pre-Roman era to the present. Classes will be conducted in Spanish.

Prerequisite: SPAN 3101

SPAN 3202 Civilization and Culture of Latin America3 Credits

An historical survey of the culture of Latin American from the Pre-Columbian era to the present. Classes will be conducted in Spanish.

Prerequisite: SPAN 3101

SPAN 3204 Survey of Literature3 Credits

Introduction to some of the principal authors, works, and ideas in the literatures of Spanish-speaking countries.

Prerequisite: SPAN 3101

SPAN 3401 Introduction to Business Spanish3 Credits

A study of business terminology, including letter writing, insurance, banking, situations dealing with export and import companies, and job interviews.

Prerequisite: SPAN 1002 or two years of high school Spanish

SPAN 3402 Intermediate Business Spanish3 Credits

A continuation of SPAN 3401 with further emphasis on terminology relating to banking, insurance, letter-writing, job interviews, and exporting and importing.

Prerequisite: SPAN 3401

SPAN 4101 Beginning Medical Spanish3 Credits

A study of terminology vital to medical personnel, nursing students, and anyone in any health-related field.

Prerequisite: SPAN 1002 or two years of high school Spanish

SPAN 4102 Intermediate Medical Spanish 3 Credits

A continuation of SPAN 4101. Students will continue to learn vocabulary useful to anyone in any medical or health-related field.

Prerequisite: SPAN 4101

SPAN 4500 Study Abroad 3-12 Credits

Students spend one summer in the Study Abroad Program of the University System of Georgia. They take language, literature, and civilization courses and participate in extra-curricular activities, including cultural tours.

Prerequisite: Recommendation of instructor

GEOGRAPHY

GEOG 1101 Introduction to Human Geography 3 Credits

A study of man's relationship to the natural, physical, and cultural environment, world patterns of population, climate and industrial development; problems of agricultural, commerce, trade, transportation, and communication, and conservation of natural resources.

GERONTOLOGY

GRNY 2101 Introduction to Gerontology 3 Credits

A general introduction to social issues in gerontology with emphasis on the normal activities of aging, review of current studies on the roles, activities, and status in the later years, including income status and needs as worker, retiree, and users of leisure services.

GRNY/PSYC 3102 Psychology of Aging 3 Credits

An exploration of the general psychological effects of aging on the populace of the United States of America; a comparison of aging and its effects on the populace of several other nations; a comparison of accepted and/or often used terms to describe chronological, physiological, and psychological aging as well as the concept of ageism and some of its effects.

Prerequisite: PSYC 1101 or PSY 201

GRNY 3104 Biological and Physiological Aspects of Aging 3 Credits

A study of the general biology of aging, physiological changes with age, theories of biological and physiological aging, factors affecting longevity, and genetic aspects of aging.

GRNY 3120/AAAS African-American Aging 3 Credits

An examination of the historical, demographic, and socio-economic profiles of Blacks; an analysis of major problems encountered by Black elderly persons; review of issues such as income, health, housing, and transportation; emphasis on unique aspects of Black religion, family ties, language habits, coping behaviors, and population distribution.

GRNY 4101 Consumer Economics and Law for the Aging 3 Credits

An examination of age-related consumer and legal concerns. This will be a practical course including exploration of such topics as wills and other legal matters, generic drugs, health care costs, food and nutrition, budget management, fraud, and consumer protection laws.

GRNY/SOWK 4110 Services to the Elderly 3 Credits

An emphasis on the social, economic, and health needs of the elderly with attention to delivery systems that work; focus on knowledge, research, and actual projects; designed for students planning to work in public or private agencies serving the elderly.

GRNY 4201 Death and Dying **.3 Credits**
 A study of the literature expressing historical, social, and cross-cultural attitudes towards death and dying; designed to help students understand death in its social context.

GRNY 4301 Physical Fitness and Recreation for the Elderly **.3 Credits**
 A focus on the physiological, psychological, and sociological values of physical exercise and recreations for the older adult; an opportunity to develop physical fitness and recreational programs for healthy adults; and less vigorous ones.

GRNY 4501 Field Experience **Credits Varies**
 A field experience for students to work under professional supervision in a facility for older people, such as a home for the aged, senior citizens activity center, or housing development.

GRNY 4705 Seminar in Gerontology **.3 Credits**
 An integration of theoretical classroom learning with practical experience gained by the students in the field.

HISTORY

HIST 1111 Survey of World History to Early Modern Times **.3 Credits**
 A survey of the major civilizations of the world from the earliest time to approximately 1500.

**HIST 1112 Survey of World History From
 Early Modern Times to the Present** **.3 Credits**
 A survey of the major civilization of the world from about 1500 to the present.

HIST 1501 African-American History **.2 Credits**
 A survey and understanding of the political, economic, social, and psychological development of African-Americans.

**HIST 2111 A Survey of U.S. History to the
 Post-Civil War Period** **.3 Credits**
 An introductory survey of the formative years of the history of the United States.

**HIST 2112 A Survey of U.S. History from the
 Post-Civil War Period to the Present** **.3 Credits**
 A survey of African-American and American History from the Civil War to the present.

HIST 2301 History of American Military Affairs **.3 Credits**
 An introductory survey of military affairs in the United States from the Revolution to the present; designed to acquaint the student with the American military experience, to emphasize the problems involved in waging war, and to examine the effects of war on society.

HIST 3101 Historical Research **.3 Credits**
 An analysis of sources and critical methods for evaluating, organizing, and using these materials; a focus on selected historians and distinctive type of historical writing.
Prerequisites: HIST 2111 or HIS 202 and HIST 2112 or HIS 203

HIST 3207 Georgia History **.2 Credits**
 A survey of the history of Georgia from pre-colonial times to present.

HIST 3301/AAAS African-American History Before 1900 **.3 Credits**
 A survey of the history of African-Americans beginning with the African background to 1900 with an overview of the twentieth century.

HIST 3312/AAAS The African-American in the 20th Century3 Credits
An analysis of the modern African-American experiences such as African-American participation in the World Wars, the Depression, and the struggles for civil rights, identity, and self-determination.

HIST 3411 History of Early Modern Europe3 Credits
A study of the history of Europe from about 1500 until the French Revolution covering the Reformation, Scientific Revolution, absolutism, family and demographic developments, and the Enlightenment.

HIST 3412 History of Modern Europe3 Credits
A detailed study of the political, social, economic, and intellectual development in Europe since 1789. Emphasis is on western Europe.

HIST 3501 Colonial America3 Credits
An examination of cultures and institutions of colonial America before 1776.

HIST 3502 American Revolution and New Nation3 Credits
An examination of American cultures and institutions from the outbreak of the revolution through the early years of the New Republic.

HIST 3503 American Civil War and Reconstruction3 Credits
An intensive examination and analysis of the forces at work in American life during the crucial period from 1840 through 1877.

HIST 3504 Resent American History3 Credits
An intensive study of the political, social, and economic history of the United States from the First World War to the present.

HIST 3601 Colonial and Early National Latin American History . .3 Credits
An appraisal of the origins and development of social, political, economic, and intellectual characteristics of Latin America from the pre-Colonial era through the wars for independence.

HIST 3801 Modern Asian History3 Credits
An introduction to the origins and developments of the economic, political, social, and cultural characteristics of Asian nations with special emphasis on the roles of China, Japan, and India during the past four centuries.

HIST 3901 InternshipCredit Varies
An individually designed course-project involving research in a government or private agency. Students will be under the joint supervision of the sponsoring agency and their faculty advisor. This internship will be arranged by the faculty advisor and department chair.

HIST 3909 Readings in HistoryCredit Varies
Directed readings and other activities related to particular topic in the discipline.

HIST/AAAS 4301 History of African-American Thought3 Credits
A study of the ideas, institutional practices, values, and ideologies embraced by African-Americans. The course incorporates the philosophies and tactics of accommodation, integration, and separation.

Prerequisite: HIST 3301 or HIS 308, or permission of the instructor

HIST 4411 History of Modern Britain3 Credits
A survey of British history since the revolution of the seventeenth century, including its economic growth, its rise as a world power, and its role in the world today.

HIST 4511 Topics in American History**Credit Varies**
 An opportunity for students to do supervised, individual reading or to engage in research in the field, classroom, or library in selected areas of the social sciences under the supervision of a member of the division.

Prerequisite: Permission of the instructor

HIST 4601 Latin America in the Modern World **.3 Credits**
 An appraisal of the social, political, economic, and intellectual development of Latin America since independence with emphasis on the 20th Century.

HIST/AAAS 4701 African History Before 1800 **.3 Credits**
 A study of major themes in the history of Africa prior to 1800: the African physical environment, early civilizations and state formation, the spread of Islam, the slave trade, the beginning of European colonization, and significant cultural developments.

HIST/AAAS 4702 African History Since 1800 **.3 Credits**
 A study of major themes in the history of Africa since 1800: major cultural developments, colonial rule, African nationalism and independence, and global Africa.

HIST 4801 History of China Since 1600 **.3 Credits**
 An examination of the major issues, revolutions, and personalities in the history of China from 1600 to the present; a comprehensive presentation of China's economics, politics, society, and culture during the past four centuries.

HIST 4805 Twentieth Century East Asian Economic History **.3 Credits**
 An examination of the themes, patterns, and problems of economic development in China, Japan, Korea, Taiwan, and Hong Kong since 1900. This course provides an historical background to the relations between economics and non-economic affairs.

HIST 4901 Senior Seminar **.3 Credits**
 A review of general historical time-lines of United States and world history with reference to trends in historiography and historical interpretations as well as a review of library research skills.

HUMANITIES

HUMN 1101 Critical Thinking **.2 Credits**
 Development of basic skills necessary for clear thinking in all areas of human experience. Focuses on logical reasoning, effective argumentation, problem solving, and philosophical and scientific considerations for a systematic philosophy of life. Multicultural perspective.

HUMN 1102 Critical Thinking in Science **.1 Credit**
 Study and practice in critical thinking especially designed for science majors. This course will not satisfy the core curriculum requirement for other majors.

HUMN 2011 Humanities **.3 Credits**
 Designed as a multicultural, cross-disciplinary course to enable students to discover, interpret, and assess critically the intellectual and aesthetic expressions of cultures of America, Europe, Asia, and Africa.

Prerequisite: ENGL 1102 or ENG 109

MASS COMMUNICATIONS

COMM 2101 Writing for the Media3 Credits
Lecture and laboratory course introducing students to the fundamentals of writing news stories for print and broadcast media including public relations.

Prerequisites: ENGL 1101 and ENGL 1102

COMM 2105 Mass Media and Society3 Credits
General examination of the foundations, organization, control, and current status of the media. Economic and social impact of the media (radio, television, newspapers, books, magazines, and comics) are surveyed. Broad comparisons of the American with foreign media systems are included.

COMM 2106 African-Americans in the Media3 Credits
A survey of the history, the contributions, representation, and portrayal of African-Americans and other minorities in the media. Assessment of the impact of such portrayal on social, political, and cultural interactions.

COMM 3101 Media Arts and Design3 Credits
The development of basic skills in graphics for print and television. The course introduces students to the practice of image making and new technologies. It includes layout, page design, and other graphic elements necessary for public relations and advertising campaigns.

COMM 3102 Photo-Journalism3 Credits
Instruction in taking, developing, and printing pictures for news purposes. Digital camera required.

COMM 3105 Writing for Newspapers and Magazines3 Credits
A continuation of COMM 2101 with emphasis on writing for the print media.

Prerequisite: COMM 2101

COMM 3110 Desktop Publishing3 Credits
An in-depth, hands-on application of at least two desktop publishing software packages (Pagemaker and Quark Express) as writing tools.

Prerequisite: COMM 3102

COMM 3120 Introduction to Communications Theory3 Credits
An overview of the major concepts and applications of human mass communications theories. While interpersonal and intercultural communications will be examined, applications of the theories and concepts in the mass media will be emphasized.

COMM 3130 History of Journalism3 Credits
An historical survey of the principal developments in journalism from the eighteenth through the twentieth centuries.

COMM 3201 Feature Writing3 Credits
A course designed to further develop a student's skill in researching, organizing, and writing news features and human interest stories.

Prerequisite: COMM 3105

COMM 3301 Introduction to Radio and T.V. Production3 Credits
Introduction to television and radio station equipment and pre-production elements necessary to produce a television show.

Prerequisite: COMM 3303

COMM 3302 Speech for Radio and Television 3 Credits
 A course designed to teach the basic techniques of radio and television broadcasting. Emphasis on newscasting, advertising, sportscasting, and announcing formats.
Prerequisite: SPEH 1101

COMM 3303 Writing for Radio and Television 3 Credits
 A study of basic characteristics of writing for radio and television.
Prerequisite: COMM 2101

COMM 3401 Introduction to Public Relations and Advertising . . . 3 Credits
 An introduction to the role of public relations and advertising in our society, how "publics" and markets are determined and targeted, the different types of public relations fields, the use of public relations in image packaging, the use of advertising in selling goods and services, and the relationship of advertising agencies to advertisers and media.
Prerequisites: ENGL 1102 and COMM 2101 and COMM 3110

COMM 3402 Advertising Media Sales and Purchases 3 Credits
 Analysis of major media sales practices, including organization and preparation of radio, newspaper, television, or magazine presentations for advertising clients. Introduction to common media sales terminologies, data collection, and calculations and tools, including ratings and rate cards.

COMM 4101 Advertising Copy Writing 3 Credits
 Principles and practices of planning, preparing, and writing effective advertising messages for newspapers, magazines, industrial publications, the trade press, radio, television, mail order, and billboards. Analysis and critique of current advertisements. Copy and product tests in relation to markets.

COMM 4105 Editorial Writing 3 Credits
 Conceptualizing, researching, and writing effective editorials for the mass media.
Prerequisite: COMM 3105

COMM 4106 Communications Practicum 3 Credits
 Intensive field and laboratory practice on video, audio, or print projects under faculty supervision.
Prerequisite: Permission of instructor

COMM 4107 Advanced Television Production 3 Credits
 Advanced instruction and practice in television production, including directing, programming, and equipment.
Prerequisite: COMM 3301

COMM 4110 Advanced Radio Production 3 Credits
 Advanced instruction and practice in radio production, including directing, programming, and equipment.
Prerequisite: COMM 3301

COMM 4115 Independent Study 3 Credits
 Directed individual work under the guidance of various faculty members.
Prerequisite: Permission of the instructor

COMM 4170 Advanced Newspaper Writing and Reporting 3 Credits
 Instruction and practice in reporting all areas of public affairs. Includes ethics of journalism, law of libel, right of privacy, fair comment and criticism, privileged matter, and other issues.
Prerequisite: COMM 3105

COMM 4201 Copy Editing **3 Credits**
 Designed to give students training in the theory and practice of copy editing and headline writing. Simulated local news copy and wire service stories are used.

Prerequisite: COMM 3105

COMM 4211 Newspaper Production **3 Credits**
 Copy editing, headline writing and newspaper layout. Emphasis upon the principles and skills involved in producing a newspaper by the off-set of cold type method.

Prerequisite: Prior approval of instructor

COMM 4402 Public Relations and Advertising Campaigns **3 Credits**
 Analysis of contemporary public relations and advertising issues. Development of public relations and advertising campaigns involving research, planning, and preparation/presentation for various types of public relations and advertising organizations. Problem-solving and decision-making techniques.

Prerequisites: COMM 3401 and COMM 4101

COMM 4406 Public Relations and Advertising Workshop **3 Credits**
 An intensive, hands-on course that stresses the production of professional quality public relations and/or advertising materials pre-approved or specified by the instructor. Students work in groups but meet as a class with instructor for critiques. Focuses on products that meet professional standards in content, style, and quality.

Prerequisites: COMM 3401

COMM 4705 Communication Law and Ethics **3 Credits**
 Study of the laws affecting American media, including the concept of freedom of speech and press, federal regulatory agencies, libel, slander, copyright, and invasion of privacy. Junior or senior standing.

COMM 4810 Introduction of Communications Research **3 Credits**
 An introduction to social science research concepts and techniques in the study of the mass media. Survey of quantitative research methods in the media situations and media rating services.

Prerequisites: COMM 2105 ENGL 1102, MATH 1101

COMM 4815 The Documentary **3 Credits**
 A survey and analysis of the documentary format employed in film productions, 1945-1970's, and preparation and production of a mini-documentary.

Prerequisites: COMM 4107 and COMM 3303

COMM 4902 Professional Media Internship **3 Credits**
 A course open only to juniors and seniors majoring in mass communications; Students work with various professional media in Savannah and other areas. Junior or senior standing.

Prerequisites: COMM 2101 and permission of instructor

MUSIC

MUSC 1101 Music Appreciation **3 Credits**
 An introductory music course which emphasizes the repertoire most frequently heard in concert halls today—music from the baroque period to the present. Course content includes jazz, American popular idioms, and music from a wide span of cultures, including Indian, Arabic, Indonesian, African, Japanese, and Chinese.

MUSC 1201 Fundamentals of Music **3 Credits**
 Course in rudiments of music designed for non-music majors.

- MUSC 1311 Theory I** **3 Credits**
 Course in notation, time signatures, major and minor scales, intervals, melodic and rhythmic problems, sight-reading and musical dictation.
- MUSC 1312 Theory I** **3 Credits**
 A continuation of MUSC 1312. Course in notation, time signatures, major and minor scales, intervals, melodic and rhythmic problems, sight-reading and musical dictation.
- MUSC 1411 Applied Band Instrument (Music Majors Only)** **1 Credit**
 A course devoted to the development of proficiency in a specific area of applied music selected by the student with the consent of advisor. Individual lessons and periodic performance expected.
- MUSC 1412 Applied Band Instrument (Music Majors Only)** **1 Credit**
 A continuation of MUSC 1411.
- MUSC 1421 Applied Major Area—Band Instruments**
(Music Majors Only) **1 Credit**
 A course devoted to the development of proficiency in a specific area of applied music selected by the student with the consent of advisor. Individual lessons scheduled and periodic performance expected.
- MUSC 1422 Applied Major Area—Band Instruments**
(Music Majors Only) **1 Credit**
 A continuation of MUSC 1421.
- MUSC 1423 Fundamentals of Band Instruments**
(Music Majors Only) **1 Credit**
 Individual brass, woodwind and percussion lessons. Basic elements of technique studied through musical literature. Percussion players introduced to basic drum rudiments.
- MUSC 1424 Fundamentals of Band Instruments**
(Music Majors Only) **1 Credit**
 A continuation of MUSC 1423.
- MUSC 1531 Fundamentals of Piano** **1 Credit**
 A course that introduces techniques and basic musical knowledge such as notes, time signature, tempo markings, fingering and phrasing.
- MUSC 1532 Fundamentals of Piano** **1 Credit**
 A continuation of MUSC 1531.
- MUSC 1534 Applied Major Area—Piano (Music Majors Only)** **1 Credit**
 A course devoted to the development of proficiency in a specific areas of applied music selected by the student with the consent of advisor. Regular lessons and periodic performances expected.
- MUSC 1535 Applied Major Area—Piano (Music Majors Only)** **1 Credit**
 A continuation of MUSC 1534.
- MUSC 1561 Class Piano** **1 Credit**
 A course designed for beginning piano students. Emphasis given to music reading and elementary techniques. Designed for non-music majors.
- MUSC 1562 Class Piano** **1 Credit**
 A continuation of MUSC 1561.

- MUSC 1641 Fundamentals of Voice (Music Majors Only)1 Credit**
A course stressing vocal technique, diction, breathing, and posture applied to songs with specific vocal problems. By permission of instructor only.
- MUSC 1642 Fundamentals of Voice (Music Majors Only)1 Credit**
A continuation of MUSC 1641.
- MUSC 1644 Applied Major Area—Voice (Music Majors Only)1 Credit**
A course devoted to the development of proficiency in a specific area of applied music selected by the students with consent of advisor. Regular lessons scheduled and periodic performances expected.
- MUSC 1645 Applied Major Area—Voice (Music Majors Only)1 Credit**
A continuation of MUSC 1644.
- MUSC 1651 Class Voice1 Credit**
Emphasis placed on a practical knowledge of the vocal instrument. Includes application through the mechanical concepts of singing and the study of appropriate literature. Course designed for beginning singers. For non-music majors.
- MUSC 1652 Class Voice1 Credit**
A continuation of MUSC 1651.
- MUSC 2101 Theory II3 Credits**
A continuation of MUSC 1311 and MUSC 1312. Diatonic harmony, modulation, chromatic chords, modes, harmonizations from melody and bass, analysis of examples.
- MUSC 2102 Theory II3 Credits**
A continuation of MUSC 2101. Diatonic harmony, modulation, chromatic chords, modes, harmonizations from melody and bass, analysis of examples.
- MUSC 2121 History and Literature of Music I3 Credits**
A survey of the history of music from the beginning of the Christian era to the Baroque period. Emphasis placed upon a study of representative works by major composers, together with a comprehensive analysis of style and musical development.
- MUSC 2122 History and Literature of Music II3 Credits**
A continuation of MUSC 2121 beginning with the Baroque period to the present.
- MUSC 2421 Woodwind Methods1 Credit**
An introduction to the principles of woodwind instrumental performance and pedagogy. Concentration on the techniques of group performance.
- MUSC 2422 Brass Methods1 Credit**
An introduction to the principles of brass instrumental performance and pedagogy. Concentration on the techniques of group performance.
- MUSC 2423 Percussion Methods1 Credit**
An introduction to the principles of percussion instrumental performance and pedagogy. Concentration on the techniques of group performance.
- MUSC 2431 Applied Major Area—Band Instrument
(Music Majors Only)1 Credit**
A course devoted to the development of proficiency in a specific area of applied music selected by the student with the consent of advisor. Regular lessons and periodic performances expected.
- MUSC 2432 Applied Major Area—Band Instrument
(Music Majors Only)1 Credit**
A continuation of MUSC 2431.

MUSC 2433 Intermediate Instruments (Non-music Majors Only)1 Credit
A continuation of MUSC 1421-1422. Advanced basic elements expanded through performance of musical literature.

MUSC 2434 Intermediate Instruments (Non-music Majors Only)1 Credit
A continuation of MUSC 2433.

MUSC 2531 Intermediate Piano (Music Majors Only)1 Credit
A continuation of MUSC 1534/1535. Such skills as memorization, sight-reading, harmonization, and transposition are additional goals.

MUSC 2532 Intermediate Piano (Music Majors Only)1 Credit
A continuation of MUSC 2531.

MUSC 2534 Applied Major Area—Piano (Music Majors Only)1 Credit
A course devoted to the development of proficiency in a specific area of applied music selected by the students with the consent of their advisor. Regular lessons scheduled and periodic performances expected.

MUSC 2535 Applied Major Area—Piano (Music Majors Only)1 Credit
A continuation of MUSC 2534.

MUSC 2641 Intermediate Voice (Non-music Majors Only)1 Credit
A continuation of MUSC 1641-1642. Advanced basic elements of tone production, diction, breathing, and style, expanded through performance of selected musical literature.

MUSC 2642 Intermediate Voice1 Credit
A continuation of MUSC 2641.

MUSC 2644 Applied Major Area—Voice (Music Majors Only)1 Credit
A course devoted to the development of proficiency in a specific area of applied music selected by the student with consent of their advisor. Regular lessons scheduled and periodic performances expected.

MUSC 2645 Applied Major Area—Voice (Music Majors Only)1 Credit
A continuation of MUSC 2644.

MUSC 3011 African-American Music3 Credits
A cultural analysis of African folk music and its influence upon the development of spirituals, work songs, and jazz. Contributions of African-American music to both popular and classical traditions studied.

MUSC 3101 Jazz Ensemble3 Credits
A course designed to expose students to composers and arrangers of jazz, rock, and soul music. Improvisation also included.

MUSC 3111 Theory III (Form and Analysis)2 Credits
A study of the construction of music from the eighteenth century to the present, including melodic and harmonic analysis of selections by major composers.

MUSC 3201 Symphonic Music Literature3 Credits
A study of the range, playing techniques, and musical characteristics of all instruments with emphasis upon the orchestral score and the writing of music for instrumental ensembles.

MUSC 3401 Orchestration and Instrumentation2 Credits
A study of the range, playing techniques, and musical characteristics of all instruments with emphasis upon the orchestral score and the writing of music for instrumental ensembles.

- MUSC 3420 String Methods**1 Credit
An introduction to the principles of string instrumental performance and pedagogy. Concentration on the techniques of group performance.
- MUSC 3421 Applied Major Area—Band Instruments
(Music Majors Only)**1 Credit
A course devoted to the development of proficiency in a specific area of applied music selected by the student with consent of advisor. Regular lessons and periodic performances expected.
- MUSC 3422 Applied Major Area—Band Instruments
(Music Majors Only)**1 Credit
A continuation of MUSC 3421.
- MUSC 3423 Advanced Instruments (Music Majors Only)**1 Credit
A continuation of MUSC 2421-2422. Technical study of the instrument further developed through performance of musical literature.
- MUSC 3424 Advanced Instruments (Music Majors Only)**1 Credit
A continuation of MUSC 3423.
- MUSC 3454 Band Methods**2 Credits
A course designed to present ideas, suggestions, and various methods involved in operating a band program.
- MUSC 3455 Band Repertory**2 Credits
A course designed to expose and present works for band with regards to style, difficulty, scoring, rhythm and melodic lines, and other critical aspects of playing, interpreting, and performing band literature.
- MUSC 3531 Advanced Piano**1 Credit
A course in which students are expected to cover advanced materials and display technical skills. Development of repertoire stressed.
- MUSC 3532 Advanced Piano**1 Credit
A continuation of MUSC 3531.
- MUSC 3534 Applied Major Area—Piano (Music Majors Only)**1 Credit
A course devoted to the development of proficiency in a specific area of applied music selected by the student with the consent of an advisor. Regular lessons scheduled, and periodic performances expected.
- MUSC 3535 Applied Major Area—Piano (Music Majors Only)**1 Credit
A continuation of MUSC 3534.
- MUSC 3560 Piano Pedagogy**1 Credit
A course that covers methods and materials for teaching individuals and classes of both children and adults. Demonstration hours included. Offered as needed for keyboard majors.
- MUSC 3601 Choral Literature**3 Credits
The study of the literature and performance practices of various periods, the history of choral music, study of representative works of English, Italian, German and American composers.
- MUSC 3620 Choral Techniques**3 Credits
Course designed to develop basic techniques for choral musicians. Discussions include meter pattern, preparatory beats, cluing, diction, blend, balance, and intonation.

- MUSC 3641 Advanced Voice (Non-music Majors Only)1 Credit**
A continuation of MUSC 2641-2642. Further advanced techniques studied through selected musical literature.
- MUSC 3642 Advanced Voice1 Credit**
A continuation of MUSC 3641.
- MUSC 3644 Applied Major Area—Voice (Music Majors Only)1 Credit**
A course devoted to the development of proficiency in a specific area of applied music selected by the student with the consent of advisor. Regular lessons scheduled and periodic performances expected.
- MUSC 3645 Applied Major Area—Voice (Music Majors Only)1 Credit**
A continuation of MUSC 3644.
- MUSC 3651 English and Italian/German/French Diction1 Credit**
A course to assist students with the pronunciation and sounds of English, Italian, French, and German for good vocal performance.
- MUSC 3652 English and Italian/German/French Diction1 Credit**
A continuation of MUSC 3651.
- MUSC 3653 Vocal Pedagogy1 Credit**
Methods and materials for the studio.
- MUSC 3751 Conducting2 Credits**
A study of the techniques of conducting and interpretation of instrumental and choral literature.
- MUSC 3752 Advanced Choral Conducting II2 Credits**
A continuation of MUSC 3751, with choral music concentration.
Prerequisite: MUSC 3751 or MUS 351
- MUSC 3753 Advanced Instrument Conducting II2 Credits**
A continuation of MUSC 3751, with instrumental music concentration.
Prerequisite: MUSC 3751 or MUS 351
- MUSC 4010 Modern Music2 Credits**
A study of compositions written since 1900 with emphasis upon recent developments in form, compositional techniques, and new media of musical expression.
- MUSC 4011 Theory IV Counterpoint and Composition2 Credits**
Consonance and dissonance, species counterpoint in several parts, simple fuges, twentieth century linear techniques.
Prerequisites: MUSC 2101, 2102 or MUS 211
- MUSC 4012 Theory IV Counterpoint and Composition2 Credits**
A continuation of MUSC 4011.
- MUSC 4420 Seminar: Instrumental Pedagogy and Techniques1 Credit**
A course designed to use comprehensive methods and materials in understanding the repertoire of instrumental music.
- MUSC 4421 Applied Major Area—Band Instruments
(Music Majors Only)1 Credit**
A course devoted to the development of proficiency in a specific area of applied music selected by the student with the consent of advisor. Regular lessons and periodic performances will be expected of the student.

- MUSC 4422 Applied Major Area—Band Instruments (Music Majors Only)**1 Credit
A continuation of MUSC 4421.
- MUSC 4423 Senior Instruments (Non-music Majors Only)**1 Credit
Concert repertoire and public performance required.
- MUSC 4424 Senior Instruments**1 Credit
A continuation of MUSC 4423.
- MUSC 4490 Senior Recital—Band Instrument (Offered as needed)**1 Credit
The culmination of the applied classes where students present a sixty-minute recital.
- MUSC 4511 Keyboard Literature (1700-1850)**1 Credit
Literature for stringed keyboard instruments from Bach and his contemporaries through early romantics. Historical, stylistic, formal and aesthetic features. (Offered every 2 years)
- MUSC 4512 Piano Literature (1850 to present)**1 Credit
Historical, stylistic features of the late romantic through the present period, including works by African-American composers. (Offered every 2 years)
- MUSC 4531 Senior Piano**1 Credit
A course that stresses concert repertoire and public performances.
- MUSC 4532 Senior Piano**1 Credit
A continuation of MUSC 4531.
- MUSC 4534 Applied Major Area—Piano (Music Majors Only)**1 Credit
A course devoted to the development of proficiency in a specific area of applied music selected by the student with the consent of advisor. Regular lessons scheduled and periodic performances expected.
- MUSC 4535 Applied Major Area—Piano (Music Majors Only)**1 Credit
A continuation of MUSC 4534.
- MUSC 4590 Senior Recital—Piano (Offered as needed)**1 Credit
The culmination of applied classes where students present a sixty-minute recital.
- MUSC 4611 Opera and Art Song Literature**2 Credits
A course in which students listen with scores to representative opera and art song selections from various historical periods. Alternate years.
Prerequisites: French and German
- MUSC 4641 Senior Voice (Non-music Majors Only)**1 Credit
A continuation of MUSC 3641-3642. Concert repertoire and public performance required.
- MUSC 4642 Senior Voice**1 Credit
A continuation of MUSC 4641.
- MUSC 4644 Applied Major Area—Voice (Music Majors Only)**1 Credit
A course devoted to the development of proficiency in a specific area of applied music selected by the student with the consent of advisor.
- MUSC 4690 Senior Recital—Voice (Offered as needed)**1 Credit
A course offered in fulfillment of the Bachelor of Arts degree for music. It is a continuation of all voice courses studies. Students must perform a sixty-minute public recital, representing all major periods of music. The songs must be performed in French, Italian, German, Spanish, and English.

MUSC 4790 Senior Recital—Music Minor (Offered as needed)1 Credit
 A course offered in fulfillment of the vocal minor. Students must present a 30-minute public recital and sing in English and at least one additional language.

POLITICAL SCIENCE

POLS 1101 American Government3 Credits
 A comprehensive study of the origins, principles, structures, processes, and practices of American government, emphasis on various perspectives on democratic theory and practice of governmental institutions.

POLS 2101 Introduction to Political Science3 Credits
 An introduction to the concepts, issues, and methods of the field of political science; emphasis on basic analytical skills, including research methods that will be important in subsequent course work.

Prerequisite for upper level POLS courses for majors/minors

POLS 2201 State and Local Government3 Credits
 A study of the structure, powers, functions, and problems of state and local governments and their roles in the federal government system.

POLS 2401 Global Issues3 Credits
 An interdisciplinary approach to selected topics in contemporary societies, using the sociological, economic, geographic, and political perspectives; an opportunity to equip students to understand and meet the challenges of a rapidly changing world community.

POLS 2601 Introduction to Public Administration3 Credits
 An introduction to the field of management in the public, non-profit, and international sectors; an investigation of the growth and patterns of modern bureaucracies with a focus on the federal, state, and local governments in the United States; theories and practices with emphasis on administration processes, including organizational behavior, leadership, decision-making, budgeting, personnel administration, and policy development and implementations.

POLS 3101 International Politics3 Credits
 A survey of the basic factors that motivate international relations; an examination of the causes of war and the institutions and processes of conflict resolution.

POLS 3102 Comparative Government and Politics3 Credits
 A study of the methods, political environment, political structures, participation and socialization, public policy processes of selected political systems.

POLS 3121 International Law3 Credits
 A survey of the principles of international law relative to functions of states and other international entities, diplomatic relations, and laws of warfare, with special emphasis on the relationship between international law and politics.

Prerequisite: POLS 3101 or PSC 303

POLS 3131 International Organizations3 Credits
 A study of the origins and evolution of international organizations, with emphasis on the United Nations and specialized agencies; factors favoring and impeding their development and their effect on political, economic, and social issues.

Prerequisites: POLS 2101 or PSC 201, POLS 3101 or PSC 303

POLS/AAAS 3141 African Government and Politics 3 Credits
Introductory survey of political patterns, political processes, and political ideologies in Africa; an examination of the legacy of colonialism, process of modernization, and the problems of political instability.

Prerequisite: POLS 2101 or PSC 201

POLS 3201 American Judicial Process 3 Credits
An examination of the institutions and operations of the American judicial system, with emphasis on the national, state and local judiciaries.

POLS 3211 American Constitutional Law 3 Credits
A study of the basic principles of the United States Constitution and powers of the national and state governments, examined through Supreme Court decisions. The course also examines constitutional protections of individual civil liberties and rights.

Prerequisite: POLS 1101 or PSC 200

POLS/AAAS 3221 Civil Rights and Liberties 3 Credits
An examination of personal liberties guaranteed by the United States Constitution, including freedom of speech, religion, assembly, petition, the rights of privacy, and the right against age, sex, race, or economic discrimination.

POLS 3231 American Presidency 3 Credits
An introduction to the structure and behavior of the presidency; an examination of presidential elections, the organization of the office, and its relations to the other national political institutions.

POLS 3301 Research Methods in Political Science 3 Credits
An introduction to the quantitative and qualitative techniques for measurement, analysis, and inference of political data.

Prerequisites: POLS 1101 or PSC 200 and POLS 2101 or PSC 201

POLS 3401 Administrative Law 3 Credits
A study of cases illustrating how the conduct of public officials is regulated.

Prerequisite: POLS 3211 or PSC 311

POLS 3501 Public Personnel Administration 3 Credits
An analysis of the methods and theories in personnel administration, including selection, training, promotion, performance evaluation, and disciplinary actions. Critical issues such as merit, affirmative action, organization, and employee strikes are examined.

Prerequisite: POLS 2601 or PSC 202

POLS 3511 Organization Theory and Behavior 3 Credits
An investigation into contemporary organization theory and problems, including the determinants of organization design, structure, and process; performance; and the interrelationship between organization and individuals within the organization.

Prerequisite: POLS 2601 or PSC 202

POLS/AAAS 3601 African-American Politics 3 Credits
An examination of black political movements, participation of African-Americans in the American political system, particularly the electoral process, the power structure in African-American communities.

Prerequisite: POLS 1101 or PSC 200

- POLS 3701 Georgia Government and Politics 2 Credits**
 A survey of Georgia state and local governmental institutions, functions, and processes, including the behavior of political leaders.
Prerequisite: POLS 1101 or PSC 200
- POLS 3801 Gender and Politics 3 Credits**
 An analysis of the interactions between gender roles and the political systems; emphasis on the impact of gender politics on socialization, leadership recruitment and political participation, policy-making, and health care research.
- POLS 3811 Urban Politics 3 Credits**
 An examination of political patterns, political processes, political conflict in metropolitan areas; interrelationship between urban growth and change in political institutions, processes, and solutions to problems of large cities.
- POLS 3901 Internship Credit Varies**
 An individually designed course/project involving off-campus study and research in a government or private agency; designed to require the full semester for completion; joint supervision of the sponsoring organization and the faculty advisor; credit arranged by the faculty advisor.
Prerequisite: Permission of the instructor
- POLS 4101/ENSC 4121 Environmental Law 3 Credits**
 A study of the legal processes relating to resource conservation, utilization, and the monitoring, control, and abatement of pollution of air, land, and water.
- POLS 4201 Political Theory 3 Credits**
 An examination of the theoretical approaches to the basic political concepts in their historical context.
Prerequisites: HIST 1101 or HIS 101, HIST 1102 or HIS 102; and POLS 2101 or PSC 201, permission of the instructor
- POLS 4211 Contemporary Political Theory 3 Credits**
 An analytical review of the writing of great thinkers from the end of the Middle Ages to the present; emphasis on recent political ideologies.
Prerequisites: POLS 2101 or PSC 201, POLS 4201 or PSC 403
- POLS 4221 American Political Thought 3 Credits**
 A study of origins and development of American political thought from the colonial period to the present, emphasis on black political thought and current liberal-conservative debate.
- POLS 4311 Legislative Process 3 Credits**
 An examination of the machinery and function of law making in the United States with emphasis on the United States Congress.
Prerequisite: POLS 1101 or PSC 200
- POLS 4401 Politics of Less Developed Countries 3 Credits**
 An introduction and examination of the political systems of selected countries in Africa, Asia, Caribbean, and Latin America.
Prerequisite: POLS 3102 or PSC 304
- POLS 4501 The Media and Politics 3 Credits**
 An examination of the role of the media in American politics; includes the media's impact on the electoral process and its role as a check on the president and other elected officials.

- POLS 4511 Public Policy** **3 Credits**
 A study of how the federal government perceives public issues, processes them, and executes public policies; an examination of the various decision-making theories; emphasis on case studies.
Prerequisites: POLS 1101 or PSC 200 and POLS 2601 or PSC 202
- POLS 4521 Party Politics and Voting Behavior** **3 Credits**
 An analysis of the evolution, nature, and role of American political parties; an examination of each of the major party systems and the literature on voting behavior with emphasis on the problems and methods of studying voting.
- POLS 4601 American Foreign Policy** **3 Credits**
 A survey of the objectives and the formulation of American foreign policy.
Prerequisite: POLS 1101 or PSC 200
- POLS 4611 American National Security Policy** **3 Credits**
 A study of organizations and processes involved in the formulation and execution of American national security policy; topics on nuclear strategy bureaucratic politics, and the programming and budgeting process.
Prerequisite: POLS 1101 or PSC 200 or permission of instructor
- POLS 4901 Senior Seminar** **3 Credits**
 An examination of selected topics in political science. Open only to senior majors.
Prerequisite: Permission of the instructor
- POLS 4911 Directed Independent Study** **3 Credits**
 Independent reading and research under the direction of a faculty member. May be repeated for credit.
Prerequisite: Permission of the instructor

PSYCHOLOGY

- PSYC 1101 Introduction to General Psychology** **3 Credits**
 An introduction to science, which studies the behavior and experiences of living organisms and, specifically, human behavior and experiences.
- PSYC 3101 Advanced General Psychology** **3 Credits**
 Consideration of the principles significant in understanding and explaining human experiences and behavior with special emphasis placed on motivation and emotion, personality and individuality, social psychology, psychotherapy, and other treatment methods; introduction to scientific methodology and its application to behavior analysis.
Prerequisite: PSYC 1101 or PSY 201
- PSYC 2102 Counselling in a Multicultural Society** **3 Credits**
 An introduction to the basic principles and practices of counseling, with particular attention to the significance of socio-cultural factors in the counseling situation.
Prerequisite: PSYC 1101 or PSY 201
- PSYC 3201 History of Psychology** **3 Credits**
 A description of the work of those psychologists who have made the most significant contributions to the development of psychology, with emphasis on the various systems of psychology, research, and experimentation.
Prerequisite: PSYC 1101 or PSY 201

- PSYC 3301 Social Psychology** **.3 Credits**
 A study of individuals and their social context, beginning with the study of the social behavior of animals and including human functions in small groups, in societies, and in cross-cultural perspectives; attitudes, motives, and social perception will be emphasized.
Prerequisites: PSYC 1101 or PSY 201, PSYC 3101 or PSY 215
- PSYC 3311 Group Process** **.3 Credits**
 A utilization of group dynamics and counseling techniques to develop self-awareness and team-awareness in managing the problems, stresses, and challenges of life. The course is designed to identify dysfunctional patterns and to move toward more effective and creative modes of functioning in the work, family, and community settings.
Prerequisite: PSYC 1101 or PSY 201
- PSYC 3401 Test and Measurements** **.3 Credits**
 An introduction to measurement, which covers statistical methods, research designs and research problems and the administration and evaluation of psychological tests.
Prerequisite: PSYC 1101 or PSY 201
- PSYC 3901 Internship** **Credit Varies**
 An internship in a clinical, educational, or industrial setting after an initial interview with the professor and the supervisor of the field placement agency; involves academic as well as experiential learning.
Prerequisite: Permission of the instructor
- PSYC 4101 Theories of Personality** **.3 Credits**
 An exploration of the theoretical basis of personality with emphasis on structure, dynamics, personality, development, normal and deviant behavior, attitudes, beliefs, and opinions.
Prerequisites: PSYC 1101 or PSC 201, PSYC 3201 or PSY 302
- PSYC 4201 Health Psychology** **.3 Credits**
 An analysis of the concept of the healthy personality and mental functioning as responding constructively to stress rather than merely adapting or adjusting to stress.
- PSYC/AAAS 4311 Psychology of the African-American** **.3 Credits**
 An overview of contemporary topics in Black psychology, including self-concept, achievement, motivation, and the Black family.
Prerequisites: PSYC 1101 or PSY 201, PSYC 3101 or PSY 215, 3301 or PSY 303
- PSYC 4401 Research Methods in Psychology** **.3 Credits**
 The study and application of research methods used in psychology. Experimental methods, surveys, case study, and the use of naturalistic observation will be covered.
Prerequisites: PSYC 1101 or PSY 201, CSCI 1130 or CSC 134
- PSYC 4501 Humanistic Psychology** **.3 Credits**
 A study of the individual and his relationship; individual perception, personality, motivation and self-esteem as the bases for individual self-actualization in relationships with other individuals, organization, and society.
- PSYC 4601 Diagnostic Psychology** **.3 Credits**
 An examination of the traditions and controversies that arise in diagnosing psychiatric disorders, with specific attention to diagnostic principles, procedures, assessment, techniques, testing, and socio-cultural factors.
Prerequisite: PSYC 1101 or PSY 201

PSYC 4701 Abnormal Psychology **3 Credits**
 A systematical exploration of theories and data relevant to the understanding of maladaptive human process; the varieties of abnormal experiences and behavior; an overview of current approaches to the resolution of psychopathology will be offered.
Prerequisites: PSYC 1101 or PSY 201, PSYC 3101 or PSY 215, PSYC 4101 or 403

RECREATION AND HEALTH EDUCATION

HEDU 1101 Concepts in Healthful Living **2 Credits**
 An introduction to concepts related to healthful living. These concepts are physical activity, stress management, nutrition, environmental sensitivity, sexuality, and weight management. **(0-2-2)**

HEDU 1111 Physical Fitness for Life **2 Credits**
 An introduction to the role of physical fitness in a healthful lifestyle. This course involves developing exercise programs for each component of physical fitness. Students spend two hours each week on physical fitness activities and one hour each week exploring the relationship of physical fitness activities to a healthy lifestyle. **(1-2-2)**

HEDU 1201 Physical Activity and Stress Management **2 Credits**
 A course focusing on the development of physical activity and relaxation programs that help students to manage and cope with stress in their lives. The course consists of two hours each week of physical activity and relaxation application and one hour each week exploring the nature of the human stress response. **(1-2-2)**

HEDU 1211 Physical Activity and Body Composition **2 Credits**
 A course designed to help students develop and execute exercise programs that will develop a healthy body composition and achieve and maintain a desirable body weight. Students spend two hours each week participating in exercise programs. The course also explores theories regarding the relationship of exercise and body composition. **(1-2-2)**

HEDU 1301 Weight Training **1 Credit**
 Participation in weight training exercise programs and weight resistance activities to achieve desired level of strength and a healthy level of body composition. **(0-2-1)**

HEDU 1401 Physical Conditioning **1 Credit**
 Participation in weight training exercise programs that develop the five components of physical fitness. The major emphasis in the course is on the development of cardiovascular fitness. **(0-2-1)**

HEDU 1601 Swimming **1 Credit**
 A beginning course in swimming. Students learn basic techniques and drown-proofing skills. **(0-2-1)**

HEDU 1611 Swimming II **1 Credit**
 A course designed for development of advanced swimming fundamentals and techniques to be used for acquiring and maintaining a desirable quality of life and cardiovascular fitness. **(0-2-1)**

HEDU 1621 Aqua Dynamics **1 Credit**
 A water aerobics class that focuses on all the components of physical fitness. **(0-2-1)**

RECREATION

RECD 1090 Professional Foundations of Recreation3 Credits
 This introductory course examines the historical, sociological and philosophical foundations of leisure and recreation. This course is the prerequisite for all courses in the major. (3-0-3)

RECD 2110 Recreation Supervision and Leadership3 Credits
 Methods and techniques of individual and group leadership and supervision in recreation activities. (3-0-3)

RECD 2200 Recreation Areas and Facilities2 Credits
 The concepts and principles applied to planning and development of recreation areas and facilities.
Prerequisite: RECD 2110

RECD 2520 Recreation Program Development3 Credits
 Principles of recreation program development; study of recreation program areas and analysis of methods of program design. Fieldwork is required. (2-2-3)

RECD 3200 Recreation Report Writing1 Credit
 A course designed to develop skills required for producing research papers and written and oral reports for recreation businesses.
Prerequisite: RECD 2110

RECD 3300 Recreation Fieldwork3 Credits
 Directed field experience in a recreation agency. Students are under both faculty and agency supervision. (1-4-3)
Prerequisite: RECD 3200

RECD 3310 Therapeutic Recreation3 Credits
 A study of the history and development of recreation for special populations. Examination of various agencies providing programs and services for the elderly, disabled, juvenile delinquents, and the incarcerated. (1-5-3)
Prerequisites: RECD 2520 and RECD 3200

RECD 3810 Principles of Sport Management3 Credits
 An introduction to the scope of the sport management enterprise including an in-depth look at why and how business is involved in sport. This course is designed to introduce the student to the principles and theories of administration and management as they apply to the administration and management of sport, fitness leisure, and recreation services and programs.
Prerequisite: Consent of the instructor

RECD 3820 Ethics and Issues in Sports3 Credits
 Students study the role and significance of sport in contemporary society. Emphasis is placed upon issues, which affect the participant, the coach, the administrator, and the sports fans issues and dilemmas provide applications of moral principles within the depth and complexity of modern sport. Topics include gender equity in sport, African Americans in sport, and commercialized sport.
Prerequisite: RECD 3810

RECD 4310 Programming for Therapeutic Recreation3 Credits
 Evaluation of recreation programs and service delivery systems provided for special population groups.
Prerequisite: RECD 3310

RECD 4350 Recreation Organization and Administration3 Credits

A course concerned with the organization and administration of recreation programs and parks in community settings, legal aspects, source of funds, types of programs, and public relations. This is the capstone course for the recreation major. (2-2-3)

Prerequisites: Completion of all required 300-level courses; senior standing; permission of the instructor

RECD 4400 Evaluation in Recreation3 Credits

Approaches to and evaluation of evaluation in recreation and park administration, emphasizing assessment of leisure needs, programs, personnel, and facilities. (2-2-3)

Prerequisites: Completion of all required 300-level courses; and permission of the instructor

RECD 4610 Community-Based Therapeutic Recreation3 Credits

An examination of the organizational structure and functions of administrative and management concepts and responsibilities in public relations, liability, facilities, financial management and budgeting, and the purchase, care, and security of equipment of various community agencies and organizations that provide recreation for special population groups. (1-4-3)

Prerequisite: RECD 4310

RECD 4800 Recreation Internship6 Credits

Internship in an approved agency under a professional recreator. Full-time, hands-on experience for professional development. (0-18-6)

Prerequisite: RECD 4400

RELIGIOUS AND PHILOSOPHICAL STUDIES

RPHS 2101 Introduction to Philosophy3 Credits

The basic survey course of the field of philosophy. An introduction to logic, ethics, ontology, and religion, etc., as a basis for additional study in philosophy. Required for minors.

RPHS 3101 Philosophy and Psychology of Religion3 Credits

A study of philosophical concepts associated with religion and the psychology of the religious experience. Team-taught with a member of the Department of Social and Behavioral Sciences.

Prerequisite: RPHS 2101

RPHS 3102 Philosophy and Psychology of Love3 Credits

A study of the nature of love, using philosophical as well as psychological sources.

Prerequisite: RPHS 2101

- RPHS 3103 Philosophy of Film**3 Credits
 This course is a study of major theoretical issues relating to film and the cinematic experience. We will focus our study on four central issues in film theory. 1) The relationship between the camera, the object filmed, and the object projected on the screen. What is it we see when we watch a film? To what extent is film realistic or expressionistic? 2) The voyeuristic character of the cinema. What has Freudian psychoanalysis contributed to the knowledge of the cinema? 3) The boundaries of time and space created by the film's image. Where does the film event occur? What is the context for the film event? 4) The film industry's relation to social conditions in America, through the depiction of men, women, minorities, and economic classes in the United States and around the world. How also does the economics of Hollywood affect the American aesthetic?
Prerequisite: RPHS 2101 or permission of the instructor
- RPHS 3111 Principles of Logic**3 Credits
 An introduction to the systematic study of reasoning from the time of Aristotle and Plato through such modern thinkers as Boole and Toulmin.
Prerequisite: RPHS 2101
- RPHS 3121 (Also ENGL 3121) The Bible as Literature**3 Credits
 A critical survey of the various forms of literature in the Old and New Testaments.
Prerequisite: ENGL 1102
- RPHS 3211 (Also AFRS 3211) Religion and the African-American Experience**3 Credits
 An exploration of the historic roles of religion in the life of African-Americans.
Prerequisite: RPHS 2101 or permission of the instructor
- RPHS 3231 Introduction to Eastern Religions**3 Credits
 A study of the teachings of Taoism, Confucianism, Hinduism, and the various sects of Buddhism.
Prerequisite: RPHS 2101
- RPHS 4211 Philosophies of the African-American Experience** ...3 Credits
 A study of philosophical analyses and reflections relevant to the experiences of African-Americans. Will consider works and ideas of such historical figures as W.E.B. Du Bois and Alain Locke and contemporary thinkers such as bell hooks.
Prerequisite: RPHS 2101 or permission of the instructor
- RPHS 4221 The Jewish and Islamic Traditions**3 Credits
 A study of religious thought as it has influenced the Old Testament, the New Testament, and the Koran.
Prerequisite: RPHS 2101
- RPHS 4241 Ethics**3 Credits
 A survey of the various systems of ethics found in the world's religions and in the writings of the world's great philosophers, such as Confucius, Aristotle, Socrates, Mill, James, and Santayana.
Prerequisite: RPHS 2101 or permission of the instructor
- RPHS 4311 Mysticism**3 Credits
 A survey of the common threads of mysticism found in Hinduism, Buddhism, the Sufi sect of Islam, Christianity, and the literature of Persia, China, Japan, India, and western civilization.
Prerequisite: RPHS 2101

RPHS 4411 Philosophical Issues 3 Credits

An exploration of such topics as the nature of being, freedom and determinism, language and meaning, the concept of beauty, and the mystery of death.

Prerequisite: RPHS 2101 or permission of the instructor

RPHS 4601 Special Topics in Religion 3 Credits

A study of topics of special interest to students and instructors. Subjects could include types of religious belief (such as indigenous religions of Africa and the Americas), approaches to religious thought or experience (such as feminist theology, mysticism, or transcendentalism), or topics that stimulate religious thinking (such as love, friendship, death, the nature of the soul, the nature of evil).

Prerequisite: RPHS 2101

SOCIAL WORK

SOWK 2200 Human Needs and Human Services 3 Credits

An introduction to the field of social work and the inherent values that guide the actions of social workers. Students are exposed to the range of problems and social issues that require individuals and groups to seek help. This course clarifies perceptions of the profession and its organizational response to these needs.

SOWK 2101/SOCI 2101 Research 3 Credits

An introduction to statistical methods that students encounter in social science literature. Students are trained in the application of data processing techniques to the manipulation of data for the purposes of constructing variables and analyzing variable relationships. Mathematical derivations are not stressed. Students learn through application. Students are introduced to the statistical package.

Prerequisite: MATH 1111 or MAT 107

SOWK 2205 History of Social Welfare and Social Policy 3 Credits

A study of the historical significance of social values on the development of social welfare policies and programs. State of the art concepts relative to social welfare developments are introduced. An intensive study is made of the social problems that accompany socio-political developments and the efforts made to solve these problems. Students are introduced to beginning level skills of assessment of social problems and programs and of policy analysis.

Prerequisite: SOCI 1101 or SOC 201

SOWK/SOCI 3101 Research II 3 Credits

A course that enables students to understand and apply scientific thought and procedures to defining and redefining of social problems and consequently social delivery systems that are constantly changing. This course emphasizes research process (i.e., conducting a thorough literature review, conceptualizing and operationalizing variables, formulating hypotheses, developing tools of data collection, selecting techniques of data collection, conducting an analysis, and preparing a research report to enhance social work practice).

Prerequisites: MATH 1111 or MAT 107; SOWK 2101 or SOCI 2101, 2205 or SWK 250

SOWK 3201 Human Behavior and the Social Environment I3 Credits

A foundation course for the preparation of generalist social work practitioners. Its purpose is to promote understanding of the effects of the interactions between individuals, groups, and communities and their environments from a systems, human diversity, and human development perspective. The dual perspective, as it relates to the unique experiences and development of African-Americans in the United States, with institutionalized discrimination and the experiences of other oppressed groups of color and other forms of discrimination, is studied for its consequences on individual, group, and community behavior in the life cycle from birth to adolescence. Case studies are used.

Prerequisites: SOCI 1101 or SOC 201, PSYC 1101 or PSY 201, and SOWK 2205 or SWK 250

SOWK 3202 Human Behavior and the Social Environment II3 Credits

A course covering the developmental tasks and obstacles related to the life stages of late adolescence through adulthood, old age, and death; the role of macro systems and the effects of their interaction with individuals, groups, and communities during these life stages; and especially the effects of policies of institutionalized discrimination on groups of color and other discriminated minorities; and the cause and effect of behavior within the context of numerous social and physical environmental factors which have to be considered. Relevant case studies are used.

Prerequisites: SOWK 2205 or SWK 250, SOWK 3201 or SWK 310; PSYC 1101 or PSY 201

SOWK 3220 Human Diversity and Social Work Practice3 Credits

The theory of and research in social work practice with clients from diverse socio-economic and cultural backgrounds. The course also addresses social work issues and practices associated with helping individuals, groups and communities from diverse settings.

Prerequisite: SOWK 2205 or SWK 250

SOWK 3305 Introduction to Social Work Practice3 Credits

An introduction to the professional practice of social work. The course is the first of four required practice methods courses in the practice sequence. Course content includes the history of the development of social work as a profession; a survey of the different approaches to delivery of social work by various contributors and theoreticians such as Mary Richmond, Dorothea Dix, Jane Addams, and William Gordon; the social upheavals precipitated by the challenges of the Blacks and the poor during their struggle for and successful passage of civil rights legislation that led to the transition of the profession from a medical to a participatory empowerment model; and development of new concepts—assessment, empowerment, process, contract, generalist, human services. The problem-solving method and the various field settings in which social work is practiced and interviewing as a skill are introduced. Since application is the crux of the profession, students are expected to complete twenty hours of volunteer service in an approved human service agency.

Prerequisite: SOWK 2205 or SWK 250

SOWK 3340 Interventive Methods I 3 Credits

A course that develops interpersonal skills in the beginning engagement process with individual clients (micro level intervention). The focus is on building the personal skills and high degree of self-awareness students must develop to work with individuals, as generalist social workers using a systems perspective. The course presents a wide variety of interventions that students learn to apply differentially to case studies through presentations, role plays, logs and other forms of demonstrations.

Prerequisites: SOWK 2205 or SWK 250, SOWK 3201 or SWK 310, SOWK 3305 or SWK 305

SOWK 3341 Interventive Methods II 3 Credits

The third course in the social work practice sequence, normally taken concurrently with SOWK 4701. Exceptions to this requirement must be approved by the field coordinator and advisor with notification to the program coordinator. The course focuses on problem solving using the systems perspective to understand all aspects of small groups and families. Students also learn practice approaches, interventive modalities, the processes of identification, assessment, implementation, termination, and evaluation of treatment plans.

Prerequisites: SOWK 2205, 3201, 3202, 3305, 3340 or SWK 250, 310, 311, 305, 332

SOWK 3342 Interventive Methods III 3 Credits

A sequel to SOWK 3341. The course expands the focus to the macro level. Interventions take place with large entities such as organizations, communities, and neighborhoods, nationally and internationally. It is predicated on the notion that wherever there is widespread human need, deprivation, and suffering, there is a breakdown of some aspect of societal social systems. Using multiple roles of the generalist worker and integrating information from social policy, students learn to be data gatherers, analysts, consultants, mobilizers, advocates, activists, leaders, and promoters of social justice as they implement corrective methods to system dysfunctions and attendant problems on people's lives.

Prerequisites: SOWK 2205, 3201, 3202, 3305, 3340, 3341 or SWK 250, 305, 310, 311, 332, 334

SOWK 4106 Social Work with Families and Children 3 Credits

A course designed to give the social work students a comprehensive exposure and a historical perspective to the concept of family and child welfare (FCW) as a societal concern and as a field of practice in social work. The course involves intensive study of social policies and the service delivery related to family and child welfare. Special focus is given to the tendency of policy that has resulted in the juvenilization and feminization of poverty, especially among oppressed groups of color, with a comparative analysis of democracy and civil rights as they relate to industrialized, capitalist societies and other political ideologies. Comparisons are made in the FCW service delivery nationally and internationally, private and public, nongovernmental organizations (NGO's) and civil society.

Prerequisites: SOWK 2205, 3201, 3305, 3340 or SWK 250, 305, 310, 332, 334, 335 or consent of instructor

SOWK 4201 Gerontological Social Work 3 Credits

A course designed for students going into public or private agencies serving the elderly. Emphasis is placed on the social economic and health needs of the elderly with attention to strategies of intervention and delivery systems that work. New knowledge, research, and actual projects are studied.

Prerequisites: SOWK 2205, 3201, 3305, 3340 or SWK 250, 305, 310, 332, 334, 335 or consent of instructor

SOWK 4301 Substance Abuse Intervention Strategies 3 Credits

A survey of issues, personality factors, physiological and psychological effects, and treatment processes associated with substance abuse. Emphasis is on the specific effects of different drug classifications; understanding drug cultures; women, children, elderly and ethnic group addiction; and co-dependency and enabling.

Prerequisites: SOWK 2205, 3201, 3305, 3340 or SWK 250, 305, 310, 332 or consent of instructor

SOWK 4410 Implementation of Social Welfare Policies 3 Credits

A study of the development and administration of social welfare policies and services which society establishes to provide for the needs and general well being of the population. An analytical and critical assessment of the welfare state is made to facilitate an understanding of the relationship between ideology and political and economic influences on the formulation and implementation of social welfare policies and programs. Students are required to analyze several policies.

Prerequisites: SOWK 2205, 3201, 3202, 3340 or SWK 250, 310, 311, 332

SOWK 4510 Crisis Intervention 3 Credits

An examination of the theories and techniques of short-term intervention and subsequent referral procedures. Topics include suicide, battering, AIDS, rape, death, dying, and communities experiencing disasters such as hurricanes, flood, and air crashes.

Prerequisites: SOWK 2205, 3201, 3202, 3340 or SWK 250, 310, 311, 332 and consent of instructor

SOWK 4701 Field Experience I 6 Credits

The first of a two-part internship designed to provide opportunities for seniors to apply social work knowledge, values, and skills to social service delivery systems. Interns will work 20 hours per week for each semester, under structured supervision, arranged and monitored by the field coordinator. Readiness for this course will be determined by progress towards the completion of social work core requirements. Upper level practice courses are taken concurrently. The number of other courses that students can carry while taking this course is limited. SOWK 4901 will be taken concurrently. Students will complete a total of 300 hours of field experience per semester. **Restricted to social work majors only.**

Prerequisite: Successful completion of all parts of the Regents Exam.

SOWK 4702 Field Experience II 6 Credits

Interns continue in the same agency where they served in SOWK 4701, for twenty hours per week, for the entire semester. This is an advanced field experience for which a higher level of proficiency and additional skills are expected of students. Interns must demonstrate competency in a variety of roles expected of generalist social workers. SOWK 4902 will be taken concurrently.

Prerequisite: SOWK 4701 or SWK 451

SOWK 4801 Special Topics in Social Work 3 Credits

A course devoted to a contemporary social work topic such as theoretical foundations/intervention strategies, client population/cultural diversity, research/evaluation, and skills development/fieldwork. The topic will be announced in the Savannah State University course schedule.

Prerequisite: SOWK 2205, 3201, 3202, 3305, 3340 or SWK 250, 310, 311, 305, 332

SOWK 4901 Senior Seminar I 3 Credits

Students use the group to explore field issues and to engage in mutual problem solving. Students are also prepared for the departmental exit examination. Open only to SOWK 4701 students.

SOWK 4902 Senior Seminar II 3 Credits

A course requiring students to present and demonstrate skills acquired in the field practicum. Students use the group to explore field issues and to engage in problem solving. Students network with human service professionals in preparation for careers and/or graduate studies. The course continues preparation for the department exit examination. Open only to SOWK 4702 students.

Prerequisite: SOWK 4901

SOWK 5501 Law, Race and Poverty in the Welfare of Children . . 3 Credits

A required course for Title IV E grant students. The course focuses on child abuse and neglect, separation and loss, foster care, kinship care, the courts and legal issues related to decision-making. Emphasis is placed upon the differential application of the law and the interventions of human service workers.

Prerequisites: SOWK 2205, 3201, 3305, 3340, 4106 or SWK 250, 305, 310, 311, 332 and consent of instructor

SOCIOLOGY

SOCI 1101 Introduction to Sociology 3 Credits

An analysis of contemporary society and North American culture and its major institutional forms (the family, religion, education, economic and political systems).

SOCI/SOWK 2101 Social Statistics 3 Credits

An introduction to statistical methods relevant to sociological research, social work theory and practice, and the social sciences in general; the integration of user-friendly statistical software packages in the social sciences (e.g. CHIPPENDALE SHOWCASE).

SOCI 3101 The Family 3 Credits

A study of the role of the family in the development of the individual family formation and disintegration, cross-cultural and sub-cultural variations in family structure and experience, and the future of the family.

Prerequisite: SOCI 1101 or SOC 201

SOCI 3211 Modern Social Problems 3 Credits

A survey and analysis of social problems, their interrelationships and linkage to social institutions in contemporary North American society.

SOCI/SOWK 3401 Social Research Methods 3 Credits

The methods and techniques of social science research, research design, methods of data gathering and analysis, sampling and survey research techniques, and interpretation and presentation of research findings.

Prerequisite: SOCI 2101 or SOC 200

SOCI 3501 Criminology 3 Credits

An investigation of crime and the criminal in modern, especially, urban society; a sociological examination of the causes of crime, its impact on major social institutions, methods of treatment, and preventive programs.

SOCI/AAAS 3611 Minorities and the Social Environment 3 Credits

An examination of the problems faced by minority groups in American society, especially where skin color and language pose social, cultural, and economic barriers; an examination of conflicts between dominant public attitudes and minorities, and among minority groups such as Black Americans, Puerto Ricans, Native Americans, Chicanos, and other sizable ethnic groups.

Prerequisite: SOCI 1101 or SOC 201

SOCI 3621 Demography3 Credits

An examination of social, economic, political, and environmental factors as they relate to population growth, composition, and distribution. The course considers how population change affects the structure and organization of societal institutions and focuses on basic demographics analysis as well as on past and current population trends and issues.

SOCI 3631 Urban Sociology3 Credits

A sociological study of the city, its growth, characteristics, and problems in the United States and elsewhere; an introduction to the literature, empirical data, and research on the urban phenomenon. The course provides conceptual clarity and understanding of the urban and urbanization process.

SOCI 3651 Sociology of Religion3 Credits

The analysis of religion as a social institution and cultural phenomenon; cross-cultural studies of religious belief; symbol and ritual; the role and future of religion in secular society.

SOCI 3901 InternshipCredit Varies

An individual-designed project involving off-campus study, research, and where applicable, work in a public or private agency; supervised by the sponsoring agency and faculty advisor; a stipend may be arranged for some work-related projects.

SOCI 4101 Individual study and Independent Research3 Credits

Independent reading or research in selected areas of sociological interest; supervised by a department member.

SOCI 4201 Contemporary Sociological Thought3 Credits

An examination of the contemporary and classical theoretical models in sociology; an investigation of the development of social thought from the Afro centric and the Euro centric perspectives.

Prerequisites: SOCI 1101 or SOC 201, SOCI 3101 or SOC 215, SOCI 3211 or SOC 225

SOCI 4421 Seminar on the African-American Experience3 Credits

A study of historic and current trends in selected sociological frames of reference of experiences encountered by Black people in the United States; emphasis on social movement and social change, urban life, institutional forms (family, religion, education), and political and economic struggles and achievements.

SOCI 4901 Senior Seminar3 Credits

A comprehensive review of sociological concepts, theories, and topics, including research methodology and statistical concepts. Students interested in pursuing graduate study in sociology are encouraged to enroll in this course.

Prerequisites: SOCI 3401 or SOC 300, SOCI 4201 or SOC 455, permission of the instructor

SPEECH

SPEH 1101 Principles of Speech1 Credit

Study and practice in speech preparation and delivery. Elements of speech production, types of speeches, and oral interpretation are emphasized. Fall and Spring. (3-0-3)

Prerequisite: Sophomore standing

- *SPEH 2101 Voice and Diction** **.3 Credits**
 Study and practice in effective voice production, with emphasis upon breath control, posture, articulation and pronunciation. Fall. **(3-0-3)**
- *SPEH 2111 Oral Interpretation** **.3 Credits**
 Intensive study and practice in the oral interpretation of poetry, prose, and drama. Individual activity primarily emphasized. Fall. **(3-0-3)**
- SPEH 4101 Advanced Speech** **.3 Credits**
 Emphasizes self-improvement in all phases of diction and delivery and provides experience in various speaking situations.
Prerequisite: SPEH 1101 or SPE 201

THEATRE

- THEA 2101 Introduction to Theatre** **.3 Credits**
 Focus on the components of theatre, its past and present history, its major shapers and movers, and how to develop an appreciation of the theatre experience. For non-theatre minors. Fall and Spring. **(3-0-3)**
- *THEA 3101 Elementary Acting** **.3 Credits**
 Study and practice in the fundamentals of acting technique based on play and character analysis. The importance of voice, posture, gesture, and movement in theatrical expressiveness will be emphasized. Fall. **(3-0-3)**
- *THEA 4101 Introduction to Drama** **.3 Credits**
 Chronological study of dramatic literature, with emphasis on selected writers and their works. Must have passed English 109 or English 1102 and have consent of the instructor. Spring. (ENGL 4211- African-American Drama can be substituted for this course). **(3-0-3)**
Prerequisite: Completion of core curriculum requirements
- *THEA 4111 Play Production** **.3 Credits**
 A critical study of the types of plays, with general principles of directing for each type. Focus on script editing, fundamentals of casting, lighting and makeup. Spring. **(3-0-3)**
- *THEA 4201 Play Auditioning and Directing** **.3 Credits**
 Emphasis upon current practices in auditioning for theatre companies and how to cast, direct, and stage a play. Students may use either their own works or an established one-act play. Spring. Students may take either THEA 4201 or THEA 4111. **(3-0-3)**
Prerequisite: THEA 4111

COLLEGE OF SCIENCES AND TECHNOLOGY

BIOLOGY

- BIOL 1103 General Biology** **3 Credits**
 Chemistry of life cell structure and function, metabolism, cellular respiration, photosynthesis, plant and animal organization and growth, origin and evolution of life, ecosystems, and the biosphere. (3-0-3)
- BIOL 1103L General Biology Lab** **1 Credit**
 Lab taken concurrently with BIOL 1103. (0-2-1)
- BIOL 1104 Human Biology** **3 Credits**
 Human organization, functions of various organ systems in humans, development, the biosphere and inheritance; human population concerns. (3-0-3)
- BIOL 1104L Human Biology Lab** **1 Credit**
 Lab taken concurrently with BIOL 1104. (0-2-1)
- BIOL 1301 Introduction to Life Science** **1 Credit**
 Introduction to the biological sciences, career exploration, and the responsibilities of professionals in these careers. (1-0-1)
- BIOL 1401 Introduction to Biological Chemistry** **2 Credits**
 Basic principles and concepts of biology, life and living organisms, basic and applied biology, and an overview of the interface between biology and chemistry. (2-0-2)
- BIOL 1107 Principles of Biology I** **4 Credits**
 Introduction to broad themes in biology, with emphasis on chemistry and origin and evolution of life, metabolic diversity and regulation, cell structure and function, classical genetics, macromolecular synthesis (including proteins), recombinant DNA, and biotechnology. (3-0-3)
Prerequisites: BIOL 1401 and CHEM 1211 (For biology, marine science and environmental science majors)
- BIOL 1107L Principles of Biology I** **1 Credit**
 Lab taken concurrently with BIOL 1107. (0-2-1)
- BIOL 1108 Principles of Biology II** **4 Credits**
 Introduction to organismal and developmental biology; structure and physiology of plants and animals relative to their evolution and adaptation to different environments, classification, comparative and diverse adaptations in the biological kingdoms, neural and endocrine control processes, and immunology. (3-0-3)
Prerequisites: CHEM 1212; BIOL 1107
- BIOL 1108L Principles of Biology II** **1 Credit**
 Lab taken concurrently with BIOL 1108. (0-2-1)
- BIOL 2070 Biology of Aging** **2 Credits**
 Physiological and emotional changes associated with aging. (2-0-2)
Prerequisite: Permission of the Instructor
- BIOL 2201 Cellular and Molecular Biology** **3 Credits**
 An overview of eukaryotic cells, with an emphasis on animal cells. Analysis of the anatomy and physiology of cells and subcellular components, including molecular biochemical and evolutionary perspectives. (3-0-3)
Prerequisites: CHEM 1212 and BIOL 1108

- BIOL 2201L Cellular and Molecular Biology**1 Credit
Lab taken concurrently with BIOL 2201. (0-2-1)
- BIOL 2401 Ecology and Evolutionary Biology**3 Credits
Mechanisms of evolution in relation to the genetics of plants, animals, and man; speciation and natural selection; ecological processes in the development, structure, and organization of biomes; biogeography; population ecology; communities, and ecosystems; species interactions; and the evolution of behavior. (3-0-3)
Prerequisite: BIOL 1108
- BIOL 2401L Ecology and Evolutionary Biology**1 Credit
Lab taken concurrently with BIOL 3401. (0-3-1)
- BIOL 2515K Human Anatomy and Physiology I**4 Credits
Gross anatomy, histology and physiology of human organ systems (Not for biology majors; Non-majors course intended for health profession students). (3-3-4)
Prerequisite: BIOL 1108
- BIOL 2516K Human Anatomy and Physiology II**4 Credits
A comprehensive study of the structure, location and functions of the organs and systems of the human body. Gross anatomy, histology, micro and macroscopic study of organs especially nervous, musculo-skeletal, endocrine and reproductive systems. (3-3-4)
Prerequisite: BIOL 2515K
- BIOL 3000 Laboratory Techniques for Medical Science**3 Credits
Procedures involved in urinalysis, hematology, blood-banking, parasitology, and tissue examination. (1-4-3)
Prerequisite: BIOL 1108
- BIOL 3101 General Botany**3 Credits
An introduction to general principles of plant life with special emphasis given to cellular organization, anatomy, physiology, inheritance, taxonomy, and modern aspects of plant science, such as plant biotechnology and genetic engineering. (3-0-3)
Prerequisite: BIOL 1108
- BIOL 3101L General Botany**1 Credit
Lab taken concurrently with BIOL 3101. (0-2-1)
- BIOL 3111 Field Botany**3 Credits
Collection, identification, and classification of plants and plant-like organisms, including flowering and nonflowering plants, fungi, and algae. This course emphasizes local flora. (3-0-3)
Prerequisite: BIOL 3101
- BIOL 3111L Field Botany**1 Credit
Laboratory techniques for collection, classification, and field study of local plants. (0-3-1)
- BIOL 3211 Zoology**3 Credits
A study of major phyla of invertebrate animals, morphology, physiology, life histories, and taxonomic relationships of selected representatives of groups and an intense survey of the morphology, taxonomy, physiology, behavior, and ecology of the chordates, with attention given to basic principles and theories. (3-0-3)
Prerequisite: BIOL 1108
- BIOL 3211L Zoology**1 Credit
Lab taken concurrently with BIOL 3211. (0-2-1)

BIOL 3301 Genetics3 Credits
 The principles of genetic analysis and the nature of genes. Discussion of the chromosomal and the molecular basis of transmission, replication, mutation, and expression of heritable characteristics. Includes modern developments in genetics, such as the physical nature and fine structure of the gene, its relationship to proteins, protein synthesis, growth, and differentiation and regulation of gene function. (3-0-3)
Prerequisite: BIOL 1108

BIOL 3301L Genetics1 Credit
 Lab taken concurrently with BIOL 3301. (0-2-1)

➤ **BIOL 3321 Microbiology**3 Credits
 Introduction to origin, diversity, anatomy, and physiology of microorganisms; principles of immunology; environmental and applied microbiology. (3-0-3)
Prerequisite: BIOL 1108

➤ **BIOL 3321L Microbiology**1 Credit
 Lab taken concurrently with BIOL 3321. (0-2-1)

BIOL 3421 Food Microbiology3 Credits
 Quality control, processing and handling, preservation, and applicable statutes for quality. (3-0-3)
Prerequisite: BIOL 3321

BIOL 3421L Food Microbiology1 Credit
 Lab taken concurrently with BIOL 3421. (0-3-1)

BIOL 3501 Animal Behavior3 Credits
 Ethological approach to animal behavior; physiological, ontogenetic, and phylogenetic causes and adaptive significance of behavior are examined. Principles of animal behavior are studied, emphasizing social organization, communication, and genetic development. (3-0-3)
Prerequisite: BIOL 1108

BIOL 3501L Animal Behavior Lab1 Credit
 Lab taken concurrently with BIOL 3501. (0-2-1)

BIOL 3511 Vertebrate Anatomy3 Credits
 Comparative studies of structures, across the vertebrate phylum. Includes analysis of evolutionary changes in vertebrates. (3-0-3)
Prerequisite: BIOL 1108

BIOL 3511L Vertebrate Anatomy1 Credit
 Lab taken concurrently with BIOL 3511. (0-2-1)

BIOL 3601 Biocomputing3 Credits
 An introduction to a broad range of computational tools and methods, which can be used to solve biological and statistical problems. Emphasis on computational analysis of nucleic acid and protein structure, and structure-function relationships. (3-0-3)
Prerequisites: CSCI 1130; BIOL 1108

BIOL 3601L Biocomputing1 Credit
 Lab taken concurrently with BIOL 3601. (0-2-1)

- BIOL 3621 Urban Health and Hygiene** **3 Credits**
 An introduction to a variety of environmental and occupational health hazards of an urbanized society. Covers biological and health effects of environmental pollutants, disease vectors, food and housing sanitation, and principles of industrial hygiene. Social and psychological stresses environmental health planning and management are also discussed. (3-0-3)
Prerequisite: Junior standing
- BIOL 3701 Bioethics** **1 Credit**
 A course designed to promote responsible conduct of science. Topics covered include scientific integrity, misconduct in science, conflict of interest, plagiarism, informed consent, data management, animal welfare, laboratory safety, responsible authorship, intellectual property, copy rights and patents. (1-0-1)
Prerequisite: Instructor's approval
- BIOL 3801 Animal Physiology** **3 Credits**
 A study of vertebrate systemic physiological processes. Topics covered are bioenergetics, temperature regulation, endocrine control mechanisms; digestive, urinary, cardiac, respiratory, excretory, and reproductive systems; membranes; and neurophysiology. (3-0-3)
Prerequisite: BIOL 2201
- BIOL 3801L Animal Physiology** **1 Credit**
 Lab may be taken concurrently with BIOL 3801. (0-2-1)
- BIOL 4201 Toxicology** **3 Credits**
 General principles of toxicology, testing procedures, target organs, toxic substances, and risk assessment. Emphasis is on the mechanisms involved in chemical carcinogenesis, mutagenesis, and teratogenesis. (3-0-3)
Prerequisites: BIOL 1108; CHEM 3511
- BIOL 4211 Reproductive Biology** **3 Credits**
 Comparative anatomy, physiology, and endocrinology of male and female reproductive systems with emphasis on gametogenesis, early embryonic development, and mechanisms of birth control in humans. (3-0-3)
Prerequisite: BIOL 2201
- BIOL 4211L Reproductive Biology** **1 Credit**
 Lab taken concurrently with BIOL 4211. (0-2-1)
- BIOL 4221 Microbial Physiology** **3 Credits**
 Structural and functional relationships in microorganisms; regulation of the synthesis of macromolecules; intermediary metabolism; microbial biotechnology. (3-0-3)
Prerequisite: BIOL 3321
- BIOL 4221L Microbial Physiology** **1 Credit**
 Lab taken concurrently with BIOL 4221. (0-2-1)
- BIOL 4270 Mycology** **3 Credits**
 Ecology, physiology systematics, development of microfungi and organisms of general, industrial, and economic importance. (3-0-3)
Prerequisite: BIOL 3321
- BIOL 4270L Mycology** **1 Credit**
 Lab taken concurrently with BIOL 4270. (0-2-1)

- BIOL 4301 Biotechnology-An Overview3 Credits**
 An overview of principles and techniques involved in biotechnology. The impact of biotechnology on mankind, with reference to its applications in agriculture, medicine, horticulture, forestry, fisheries, and environmental protection is discussed. (3-0-3)
Prerequisites: Any one of the following or its equivalent-BIOL 2201, 3301, CHEM 4101
- BIOL 4301L Biotechnology-An Overview1 Credit**
 Lab taken concurrently with BIOL 4301. (0-3-1)
- BIOL 4411 Genetic Engineering Technology I3 Credits**
 A basic understanding of molecular biology and its applications. Concepts and principles of recombinant DNA technology, its relevance to generic engineering, and its uses in basic and applied biology. Molecular mechanisms of gene transfer, integration and expression of foreign gene(s) in target tissues/organisms. (3-0-3)
Prerequisite: Any one of the following or its equivalent-BIOL 2201, 3301, 4301, CHEM 4101
- BIOL 4411L Genetic Engineering Technology I1 Credit**
 Lab taken concurrently with BIOL 4411. (0-3-1)
- BIOL 4412 Genetic Engineering Technology II4 Credits**
 Principles and applications of biotechnology/molecular biology laboratory methods. Use recombinant DNA technology, gene transfer, regeneration of transgenics, analysis of transgene expression and other related techniques in biotechnology/molecular biology research. (1-5-4)
Prerequisites: BIOL 4301 or 4411, junior standing and the consent of the instructor.
- BIOL 4501 Tissue Culture Technology3 Credits**
 The principles and techniques involved in plant and animal cell/tissue culture and regeneration of organs and organisms (plants). Commercial applications of tissue culture technology, other applications (e.g., rescue of endangered species, environmental protection, etc.) and uses of this technology in basic research are discussed. (3-0-3)
Prerequisite: BIOL 4301
- BIOL 4501L Tissue Culture Technology1 Credit**
 Lab taken concurrently with BIOL 4501. (0-3-1)
- BIOL 4511 Advanced Ecology3 Credits**
 The structure and function of ecosystems, with regard to energy flow nutrient cycling, population growth and regulation, and community organization and dynamics. Man's impact on biosphere and resulting social problems. Laboratory and field studies. (3-0-3)
Prerequisite: BIOL 2401
- BIOL 4511L Advanced Ecology1 Credit**
 Lab taken concurrently with BIOL 4511. (0-2-1)
- BIOL 4601 Neuroscience3 Credits**
 A study of neural function from the cellular through the behavioral levels. Analysis of neural structures and functions from the perspectives of electrophysiology, neurotransmitter mechanisms and pharmacology, neural networks, and comparative neuroanatomy. (3-0-3)
Prerequisites: BIOL 2201; 3511

BIOL 4601L Neuroscience Lab1 Credit
Lab taken concurrently with BIOL 4601. (0-2-1)

BIOL 4611 Developmental Biology3 Credits
The study of organismal development, with an emphasis on animal systems. Course will include an analysis of genetic and hormonal factors during embryonic differentiation, with a perspective on phylogenetic relationships. (3-0-3)
Prerequisites: BIOL 2201; 3301; 3511

BIOL 4611L Developmental Biology Lab1 Credit
Lab taken concurrently with BIOL 4611. (0-3-1)

BIOL 4621 Virology3 Credits
Biological properties of viruses; techniques of isolation, cultivation and propagation; involvement of viruses in health and diseases; regulation of viral products. (3-0-3)
Prerequisites: BIOL 2201 and 3321

BIOL 4621L Virology Lab1 Credit
Lab taken concurrently with BIOL 4621. (0-2-1)

BIOL 4631 Endocrinology3 Credits
Physiology of the endocrine glands and their control of metabolism and reproductive cycles. (3-0-3)
Prerequisites: BIOL 2201 and 4101

BIOL 4631L Endocrinology Lab1 Credit
Lab taken concurrently with BIOL 4631. (0-2-1)

BIOL 4641 Parasitology3 Credits
General principles of parasitism; classification, morphology, and life cycle of parasites of vertebrates, and immunoparasitology. (3-0-3)
Prerequisite: BIOL 1108

BIOL 4641L Parasitology Lab1 Credit
Lab taken concurrently with BIOL 4641. (0-2-1)

BIOL 4651 Physiological Chemistry3 Credits
Advanced biological chemistry, emphasizing intermediary metabolism, and regulation of metabolic pathways. New developments in metabolism, role of enzymes and enzyme kinetics involving chemistry of liver, kidney, respiratory functions will be stressed. (3-0-3)
Prerequisite: BIOL 2201

BIOL 4651L Physiological Chemistry Lab1 Credit
Lab taken concurrently with BIOL 4651. (0-2-1)

BIOL 4671 Plant Physiology3 Credits
A study of physiological functions of green plants with emphasis on physical and chemical basis of the physiological processes. (3-0-3)
Prerequisites: BIOL 3101; CHEM 3511

BIOL 4671L Plant Physiology Lab1 Credit
Lab taken concurrently with BIOL 4671. (0-2-1)

BIOL 4681 Immunology3 Credits
Introduction to the study of infection and immunity in disease, cell-mediated and humoral immunity, immunological methods, and immunochemistry. (3-0-3)
Prerequisites: BIOL 2201 and 3321

BIOL 4681L Immunology Lab1 Credit
Lab taken concurrently with BIOL 4681. (0-2-1)

BIOL 4701 Molecular Genetics3 Credits
A study of molecular basis of inheritance with emphasis on the chemical nature of the gene, DNA replication, transcription, translation, and regulation of gene expression. The practical aspects include gene cloning, sequencing, and other recombinant techniques. (3-0-3)

Prerequisite: BIOL 3301

BIOL 4701L Molecular Genetics Lab1 Credit
Practical laboratory exercises in gene cloning, sequencing and other recombinant DNA techniques. (0-2-1)

BIOL 4711 Molecular Biology3 Credits
Detailed analysis of structure and ultrastructure of the cell; biochemistry, biophysics, physiology, and molecular genetics. (3-0-3)

Prerequisites: CHEM 3501, BIOL 2201 and 3301

BIOL 4711L Molecular Biology Lab1 Credit
Lab taken concurrently with BIOL 4711. (0-2-1)

BIOL 4721 Physiological Ecology3 Credits
A study of the anatomical, biochemical, and physiological adaptation of plants and animals to specific environments. Emphasis on physiological problems faced by organisms common to the local salt marsh and marine environments. Design and completion of individual research projects including data analysis and presentation. (3-0-3)

Prerequisites: CHEM 3501; MSC1 3111 or BIOL 2401; MSC1 3401

BIOL 4721L Physiological Ecology Lab1 Credit
Lab taken concurrently with BIOL 4721. (0-2-1)

BIOL 4901 Senior Seminar1 Credit
Instruction on interpretation and presentation of topics in biology. Each student chooses a research topic and delivers presentations on selected topics. (1-0-1)

Prerequisite: Completion of 3000 level of core curriculum

BIOL 4910 Applied and Industrial Microbiology3 Credits
Isolation, characterization, preparation and industrial applications of microbial, plant and animal cells to mass culture; production of primary and second products. (3-0-3)

BIOL 4910L Applied and Industrial Microbiology Lab1 Credit
Laboratory techniques for applied industrial microbiology. (0-2-1)

BIOL 4920 Senior Research2 Credits
A research project under faculty supervision, that includes researching the background on a given problem, defining an hypothesis, and planning and executing experiments. A written report/manuscript and oral presentation are required. (1-2-2)

Prerequisite: Completion of 3000 level of core curriculum

BIOL 4930 Senior Synthesis2 Credits
A review of academic training in preparation for transition to the next professional level. Students will enroll in this course within 2 semesters of degree completion. Students will review degree material and complete the department Exit Exam. A passing grade on the Exit Exam is required to pass the class. Graduate training and career options will also be explored. (2-0-2)

Prerequisite: Completion of 3000 level of core curriculum

CHEMISTRY

Note: Unless otherwise noted, lecture courses meet three hours each week and carry three semesters hours credit. Laboratory courses meet four hours each week and carry one semester hour credit.

CHEM 1101K* Introductory Chemistry I **.4 Credits**
 First course in a two part semester sequence of introduction to chemistry for non-science majors. Topics to be covered include atomic structure, periodicity, and chemical processes in the natural world. Laboratory exercises will supplement lecture material. (3-3-4)

CHEM 1115* Chemical Calculations **.3 Credits**
 Introduction to the use of mathematics to solve chemical problems encountered in CHEM 1211 and 1212. (3-0-3)

CHEM 1151K* Survey of Chemistry I **.4 Credits**
 First course in a two semester sequence of introduction to basic principles and ideas in general, organic and biochemistry designed for allied health profession majors. (3-3-4)

CHEM 1152K Survey of Chemistry II **.4 Credits**
 Second course in the two semester sequence of introduction to basic principles and ideas in general, organic and biochemistry designed for allied health profession majors. (3-3-4)

Prerequisite: CHEM 1151K

CHEM 1211 Principles of Chemistry I **.3 Credits**
 First course in a two-semester sequence covering the fundamental principles and applications of chemistry for science majors. This course covers composition of matter, stoichiometry, periodic relations, and nomenclature.

Prerequisites: One year of high school Chemistry and two years of high school mathematics or pass Chemistry Placement Examination

CHEM 1211L Principles of Chemistry I Laboratory I **.1 Credit**
 Laboratory exercises to supplement the lecture material of CHEM 1211. (0-4-1)

CHEM 1212 Principles of Chemistry II **.3 Credits**
 Second course in a two-semester sequence covering the fundamental principles and applications of chemistry for science majors.

Prerequisite: CHEM 1211

CHEM 1212L Principles of Chemistry II Laboratory **.1 Credit**
 Laboratory exercises to supplement the lecture material of CHEM 1212. (0-4-1)

Prerequisite: CHEM 1211L

CHEM 1401 Opportunities in Chemistry **.1 Credit**
 An introduction to the profession of chemistry. Career opportunities available to chemistry students and the responsibilities that accompany them.

CHEM 2101 Quantitative Analysis **.2 Credits**
 The theory of gravimetric and volumetric analysis. An introduction to instrumental methods of analysis.

Prerequisite: CHEM 1211

CHEM 3101 Analytical Chemistry **.3 Credits**
 Principles and techniques in volumetric and gravimetric determinations. Principles of chemical equilibria using chromatographic, spectrophotometric, and potentiometric methods of analysis.

Prerequisite: CHEM 1212

CHEM 3101L Analytical Chemistry Laboratory1 Credit
Lab taken concurrently with CHEM 3101. (0-4-1)

Prerequisite: CHEM 1212L

CHEM 3201 Instrumental and Data Analysis3 Credits
Instrumental techniques used in chemical analysis with emphasis on accuracy and precision. Statistical and regression methods for the interpretation of data.

Prerequisite: CHEM 3101

CHEM 3201L Instrumental Analysis Laboratory1 Credit
Lab taken concurrently with CHEM 3201. (0-4-1)

Prerequisite: CHEM 3101L

CHEM 3302 Research/Internship2 Credits
Supervised research including literature search, laboratory experimentation, and interpretation and presentation of results. (0-6-2)

Prerequisite: Junior standing

CHEM 3401 Physical Chemistry I3 Credits
Thermochemistry, thermodynamics, equilibria, electrochemistry, kinetics, and quantum mechanics.

Prerequisites: MATH 2111; CHEM 1212

CHEM 3401L Physical Chemistry Laboratory I0 Credit
Lab taken concurrently with CHEM 3401. (0-4-1)

Prerequisite: CHEM 1212L

CHEM 3411 Physical Chemistry II3 Credits
Liquids, solids, surface and transport phenomena. Modern treatment of atom, structure, spectroscopy, statistical mechanics, and statistical thermodynamics.

Prerequisite: CHEM 3401

CHEM 3411L Physical Chemistry Laboratory II1 Credit
Lab taken concurrently with CHEM 3411. (0-4-1)

Prerequisite: CHEM 3401L

CHEM 3421 Biophysical Chemistry3 Credits
A course designed for premed students and students in biological sciences or related disciplines. Students will study kinetic theory of gases, chemical kinetics (including enzyme kinetics), thermochemistry and thermodynamics, acids, bases and pH, colligative properties of solutions, nuclear chemistry, and radioassays, conformational aspects of enzymes (proteins), hormonal proteins, genes and synthesis of biologically active proteins, and genetic engineering.

Prerequisite: CHEM 1212

CHEM 3421L Biophysical Chemistry Laboratory1 Credit
Lab taken concurrently with CHEM 3421. (0-4-1)

CHEM 3501 Organic Chemistry I3 Credits
The first of two semester introductory courses covering the principles of organic chemistry. This course covers the properties, preparation, reactions, and interrelationships of the important classes of organic chemistry.

Prerequisite: CHEM 1212

CHEM 3501L Organic Chemistry Laboratory I1 Credit
Lab taken concurrently with CHEM 3501. (0-4-1)

Prerequisite: CHEM 1212L

CHEM 3511 Organic Chemistry II3 Credits
A continuation of Organic Chemistry I.

Prerequisite: CHEM 3501

CHEM 3511L Organic Chemistry Laboratory II1 Credit
A continuation of Chemistry Organic Chemistry Laboratory taken concurrently with CHEM 3511. (0-4-1)

Prerequisite: CHEM 3501L

CHEM 3522 Techniques of Organic Chemistry2 Credits
Multistep synthesis, Isolation and characterization of organic molecules from different matrices, using chromatographic and spectroscopic techniques. (0-6-2)

Prerequisites: CHEM 3511, 3511L

CHEM 3531 Organic Synthesis3 Credits
Survey of modern organic synthesis with emphasis on mechanism of reactions.

Prerequisite: CHEM 3511

CHEM 3601 Polymer Chemistry3 Credits
Chemistry of polymers and the chemical and physical properties of polymers. The course covers molecular weight characterization, structure and morphology, and fabrication of polymer.

Prerequisites: CHEM 3511, 3401

CHEM 3601L Polymer Chemistry Laboratory1 Credit
Lab taken concurrently with CHEM 3601. (0-4-1)

Prerequisite: CHEM 3511L

CHEM 4101 Biochemistry3 Credits
Structure and function of proteins, nucleic acids, carbohydrates, and lipids. Emphasis on mechanistic analysis of metabolic pathways and enzymes activity.

Prerequisite: CHEM 3511

CHEM 4101L Biochemistry Laboratory1 Credit
Lab taken concurrently with CHEM 4101. (0-4-1)

Prerequisite: CHEM 3511L

CHEM 4111 Advanced Biochemistry3 Credits
Recent advances in medical biochemistry with clinical correlations. Biochemistry of metabolic diseases, neuroendocrine and reproductive biochemistry, signal transduction, receptor chemistry, transcriptional regulation, cancer biochemistry, and oncogenes and oncoproteins.

Prerequisite: CHEM 4101

CHEM 4121 Inorganic Chemistry3 Credits
Principles of inorganic chemistry with emphasis on atomic structure, chemical bonding, solid state, coordination chemistry, organic metallic chemistry, and acid-base theories. Chemistry of selected elements.

Prerequisites: CHEM 1211, 3401, 3411

CHEM 4201 Medicinal Chemistry3 Credits
Synthesis, structure, and mode of action of therapeutically active compounds. Design of pharmaceutical agents based on enzyme mechanism, structure activity relationships, and computer modeling.

Prerequisites: CHEM 3511, 4101

CHEM 4301 Chemistry of the Environment3 Credits
 Chemical processes important in the environment from naturally occurring and man-induced systems. Thermodynamic and chemical considerations of fuels; the thermodynamics of the atmosphere; atmospheric photochemistry; chemistry of natural water systems; chemistry of pesticides, fertilizers, and other important environmental contaminants; aspects of the carbon, nitrogen, and sulfur cycles.

Prerequisite: CHEM 3101

CHEM 4301L Chemistry of the Environment Laboratory1 Credit
 Lab taken concurrently with CHEM 4301. (0-4-1)

Prerequisites: CHEM 3101L

CHEM 4501 Chemistry of Materials3 Credits
 Basic principles of chemistry with an emphasis on structure and bonding. Thermodynamics, kinetics, and ideal solids.

Prerequisite: CHEM 1211

CHEM 4601 Organic Chemistry of Polymers3 Credits
 Polymer synthesis and reactivity with emphasis on organic functional group chemistry.

Prerequisite: CHEM 3601

CHEM 4601L Organic Chemistry of Polymers Laboratory1 Credit
 Lab taken concurrently with CHEM 4601. (0-4-1)

Prerequisites: CHEM 3601L

CHEM 4801 Special Topics3 Credits
 Discussion of current topics in organic, analytical, physical chemistry, biochemistry, or polymer chemistry.

CHEM 4901 Chemical Seminar1 Credit
 Modern development in specific subdivisions of the field of chemistry.

Prerequisite: Junior or senior standing.

CHEMICAL ENGINEERING TECHNOLOGY

CHET 3201 Material/Energy Balances4 Credits
 Quantity measurement of chemical engineering systems. A study of conservation equations, stoichiometry, equilibrium relations, and phase change analysis. Recycle and multiple bypass analysis will be presented.

Prerequisite: MATH 2101

CHET 3221K Mass Transfer3 Credits
 Principles and designs of equilibrium stage operations. Distillation will be covered in detail for separation and purification of material. Humidification will also be presented. (2-2-3)

Prerequisite: CHET 3201

CHET 3301K Transport Phenomena3 Credits
 Introduction to fundamentals of heat, mass and momentum transfer. Multiple effect evaporators will be studied in detail using the principles of transport phenomenon. Scrubbers and packed beds will also be addressed. (2-2-3)

Prerequisites: CHET 3201

CHET 3401 Instrumentation2 Credits
 Laboratory experiences in typical chemical engineering systems. Experiments are designed to integrate the subject matter from several subject areas.

Prerequisite: MATH 2101

CHET 4101 Chemical Reaction Engineering 3 Credits
 Design of chemical reactors using the principle of Chemical Equilibrium Relations and Kinetic principles. Chemical reactions in gases and liquids, homogeneous, and heterogeneous catalysis, catalyst effectiveness, and roll of transport in kinetics. Factors affecting chemical reaction rates.

Prerequisites: CHET 3301K; CHEM 3401

CHET 4201 Process Control 3 Credits
 Application and study of modern control theory to chemical engineering processes. Multivariable control, estimation adaptive control in optimal controls.

Prerequisites: PHY 1112K; ENGT 3701; MECT 3411

CHET 4211 Process Design 3 Credits
 Implementation of transport phenomena, process operations, chemical thermodynamics, unit operations, process contractor design, and chemical engineering economics into a comprehensive chemical process plant design project.

Prerequisites: CHEM 3401, 3402, CHET 4201; ENGT 2101K

CIVIL ENGINEERING TECHNOLOGY

CIVT 3101K Surveying 5 Credits
 A comprehensive study of taping, leveling, angle, and direction measurements, theodolites, traverse measurements computation of coordinates, areas, and volumes; topographic surveying, contouring; techeometry, EDMIs, and Total Stations route surveying; simple and transition horizontal and vertical curves; triangulation; introduction to aerial surveying and photogrammetric methods; introduction to GPS and GIS; use and care of instruments; computer applications. (3-4-5)

Prerequisites: MATH 1113, Co-requisite ENGT 2101K

CIVT 3201K Civil Engineering Materials 2 Credits
 A comprehensive study of the physical, mechanical, and other important properties of materials; fabrication of method of manufacturer; durability and long-term performance, specifications and standards; laboratory testing procedures; applications or methods of use of various civil construction materials which include aggregates, concrete, cementitious materials, masonry, wood, bituminous, iron, and steel. (1-2-2)

Prerequisite: MATH 1113

CIVT 3211 Construction Estimating and Management. 3 Credits
 Construction planning and management; contracting (types, methods, documents); specifications, mathematical techniques of construction cost estimating; preparation and submission of bid; construction scheduling (CPM); project administration (financial, personnel, claims and disputes, change orders, safety); computer applications.

Prerequisite: CIVT 3201K

CIVT 3301K Hydraulics and Engineering Hydrology 4 Credits
 Elements of fluid mechanics; pressure measurement; hydrostatics; forces on submerged plane and curved surfaces, buoyancy; fluids in motion; hydraulic and energy gradients; forces exerted by jets on flat plates and curved vanes; orifices, notches and weirs; flow in pipes; simple pipe networks; open channel flow; pumps. Hydrologic cycle; precipitation data analysis; hydraulics of groundwater flow; equilibrium and non-equilibrium conditions; groundwater exploration; surface runoff; hydrographs; reservoir storage; flood routing; hydrological forecasting; computer applications. (3-2-4)

Prerequisite: ENGT 3101

CIVT 3401K Highway & Transportation Engineering 4 Credits

A study of several transportation modes. Emphasis will be placed on the linkage of these modes for the effective and economic movement of people, materials, and equipment. It will also include the fundamentals of highway design, layout, foundations, and pavements; grade intersections and separations; highway cross-sections, traffic and safety requirements. (3-2-4)

Prerequisites: CIVT 3101K, 3201K; MATH 2111; ENGT 2101K

CIVT 3601K Soil Mechanics & Foundation Design 5 Credits

A study of engineering properties of soil as a construction material and foundations for buildings. Topics include the soil classifications, Atterberg limits, shear strength, consolidations and settlement. This knowledge is then applied to the design of various types of foundations such as spread footings, piles, earth retaining structures and substructure elements. (4-2-5)

Prerequisites: CIVT 3201K; ENGT 3601

CIVT 3701 Structural Analysis 4 Credits

A comprehensive study of the behavior response of various structural forms that are employed, and an enumeration of the various loading conditions that a structure must support. Emphasis will be placed on the fundamentals and matrix method of structural analysis of simple and complex structural systems including trusses, beams, frames, arches, cable structures, and influence lines. It will also cover an introduction to the theory of statically indeterminate structures.

Prerequisites: ENGT 3601; ENGT 3201

CIVT 4101K Structural Design I (Steel) 3 Credits

A study of structural design procedures of structural elements utilizing latest design methods according to building and design codes. Emphasis will be on the integration of designing steel structures from conception to working drawings. Course content includes identification and calculation of various loads, structural framing, designing of trusses, joists, beams, columns, and simple connections. (2-2-3)

Prerequisites: CIVT 3201K; 3701; ENGT 2101K

CIVT 4111K Structural Design II (Reinforced Concrete) 3 Credits

A study of the fundamentals of reinforced concrete design. Emphasis will be on the principles and practices involved in the structural components and the design of reinforced concrete utilizing latest design methods in accordance with the ACI-codes. Course content includes designing of rectangular and T beams, one-way slabs, columns, footings, and retaining walls. (2-2-3)

Prerequisites: CIVT 3201K; 3701; ENGT 2101K

CIVT 4201K Environmental Engineering 4 Credits

Basic concepts of environmental interrelationships; principles of environmental chemistry, microbiology, ecology and health; water quality parameters; water treatment processes; wastewater treatment processes; sludge treatment and disposal; industrial waste waters; design of water, wastewater and sludge treatment units; water distribution and wastewater collection systems; design principles; and computer applications. (3-2-4)

Prerequisites: CHEM 1211, 1211L; CIVT 3301K

CIVT 4211 Environmental Pollution Control 3 Credits
 Water pollution; point and diffuse sources; river pollution and oxygen sag curve analysis; groundwater pollution analysis; eutrophication of lakes; coastal pollution; solid wastes management (collection, storage and transport); processing and transformation; incineration, composting, sanitary land filling; recycling; hazardous waste management types; RCRA, CERCLA and others; treatment and disposal methods; air pollution (air pollutants and interaction products); and preventive and control measures.
Prerequisite: CIVT 4201K

CIVT 4301 Urban Planning 2 Credits
 Historical development of urban centers and planning practices; theories, policies and quantitative techniques used; statistical methods; forecasting techniques; decision-making analysis; planning management; functional planning physical, land use, transportation, housing and real estate; historical preservation; environmental planning and monitoring, computer applications.
Prerequisites: CIVT 3211; 3401K; 4201K

COMPUTER SCIENCE

CSCI 1130 Computer and its Applications 3 Credits
 An introductory course specially designed to help students become computer literate. The course covers the history of computers, hardware, software, and use of the state-of-the-art technology. Another unique feature of this course is that students use internet, MS OFFICE applications using word processing, spreadsheets, and HTML language to create home pages.

CSCI 1301 Computer Science I 3 Credits
 An introduction to the principles of computer programming with emphasis on problem solving methods. The topics include an introduction to data representation, data type and control structures, procedures and functions, and programming methodology.
Prerequisite: MATH 1111

CSCI 1302 Computer Science II 4 Credits
 An introduction to object-oriented programming language using abstract data type. Emphasis will be placed on encapsulation, inheritance and polymorphism, recursive programming, pointers, linked lists, stacks, strings, and trees.
Prerequisite: CSCI 1301

CSCI 1501K Computing for Engineers I 3 Credits
 This course presents the conceptual foundations and limitations of computing with design construction analysis of algorithms, and data structures. The course prepares students wherein they will be able to show evidence of adequate performance with respect to design and construct algorithms, and data structures, to solve problems in a high level (pseudo) language. Emphasis will be given on the manipulation of complex data structures, recursive and iterative algorithms, and designs of algorithm with high levels of modularity and object-oriented approaches. (2-3-3)

CSCI 1502K Computer for Engineering II 3 Credits
 Introduction to techniques and practices for implementing algorithms. Emphasis on professional software practices. Projects focus on interactive and computationally intensive programs, including large program management. (2-3-3)
Prerequisite: CSI 1501K

CSCI 1610 Programming in Java 4 Credits

An introduction to Java, which is a simple, object-oriented, distributed, interpreted, robust, secure, architecture-neutral, portable, high-performance, multithreaded and dynamic language. The course includes extensive use of classes, support of networking, basic data structures, abstract data type, recursion, and searching and sorting.

Prerequisite: MATH 1111

CSCI 2215 Perl Scripting 4 Credits

Designed to teach students how to use PERL (Practical Extraction and Reporting Language) for Web/CGI scripting.

Prerequisite: CSCII1301 4 Credits

An introduction to data representation and computer system organization, use of algorithms to develop data types and control structures, and use of functions, procedures, and data type. Further emphasis is placed on advanced structured programming and an introduction to data structures.

Prerequisite: MATH 1113

CSCI 2231 Introduction to UNIX 3 Credits

An introduction to UNIX operating system, which will provide a convenient and consistent interface to the wide variety of peripheral devices that are connected to the computer. Students learn history and fundamentals of SUN Operating System, by entering commands using Shell, the UNIX file systems; text file utilities. Vi editor, Shell scripts, AWK (Aho, Weingerger, Kernighan) programming language, and Local Area Networking Utilities.

Prerequisites: CSCI 1301

CSCI 2233 Programming in Ada 3 Credits

An introduction to the powerful high-order programming language for software design. Emphasis is on Ada program structure, type of variables, Ada control statements, Ada fundamentals, procedures and function, packages, generics, and Ada resources.

Prerequisites: CSCI 2216

CSCI 2235 Comparative Programming Language 3 Credits

A comparative study of programming languages. Topics included are recursion, passing parameters in structured programs, control structures, and storage allocation techniques. UNIX compilers for these languages will be used.

Prerequisites: CSCI 1301, 1302, 1610

CSCI 3000 Data Structure and Algorithm Design 3 Credits

Introduction to computation complexities, object-oriented programming, basic data structures; lists, stacks, trees, recursion, and graphs.

Prerequisite: CSCI 1610

CSCI 3102 Visual Basic 3 Credits

An introduction to Visual Basic and Windows 95 applications. Topics include Form, List Box, Text Box, Scroll Bars, Menu and other windows resources.

Prerequisite: CSCI 3000

CSCI 3210 Advanced Java 3 Credits

An introduction to Java and Web page programming. Students write basic Java applets.

Prerequisites: CSCI 3000, CSCI 1610

- CSCI 3385 Computer Network and Design**3 Credits
Introduction of distributed system architecture, data transmission, protocol levels, types of network layers, terminal based networks, modems, and multiplexers. A unique feature of this course is that students set up a LAN using Solaris, Novell and Windows NT. The course provides hands-on experience for students.
Prerequisite: CSCI 1301
- CSCI 3414 Software Engineering**3 Credits
A course designed to introduce basic principles of software engineering, the process of producing a software product, project planning, development, and management. Each student is expected to walk through the complete process by implementing a software project.
Prerequisite: CSCI 3000
- CSCI 3910 Internship in Computer Science**VARIES
Work and study experience in various areas of computer science.
Prerequisite: CSCI 3000
- CSCI 3920 Internship in Computer Science**VARIES
Work and study experience in various areas of computer science.
Prerequisite: CSCI 3000
- CSCI 3930 Internship in Computer Science**VARIES
Work and study experiences in various areas of computer science.
Prerequisite: CSCI 3000
- CSCI 4110 Operating Systems**3 Credits
Study of process control, CPU scheduling, primary memory management, and secondary memory management.
Prerequisite: CSCI 3000
- CSCI 4210 Data Base Management**3 Credits
Introduction to database application design. Topics include problem analysis, various data models, implementation, using Microsoft access, forms, reports, SQL, and database programming.
Prerequisite: CSCI 3000
- CSCI 4310 Compiler Construction**3 Credits
Introduction to compiling process, language elements, finite automata, grammar, parsing methods, top-down parsing, bottom-up parsing, and code generation.
Prerequisite: CSCI 3000
- CSCI 4410 Web Based Programming**3 Credits
Introduction to web server programming, internet information server object: Request, Response, Application, Server session. Programming skills via using basic server objects, including working with data source like Access, SQL server.
Prerequisite: CSCI 3000
- CSCI 4510 Artificial Intelligence**3 Credits
Introduction of basic concepts in artificial intelligence. Topics include optimal search, learning algorithms, various neural network architecture and various software.
Prerequisite: CSCI 3000
- CSCI 4801 Project Design**1 Credit
A course requiring students to read technical papers, implement a software project, and write a report of the research project.
Prerequisite: CSCI 3000

CSCI 4810 Research Project3 Credits

A course requiring students to read technical papers, implement a software project, and write a report of the research project.

Prerequisite: CSCI 3000

CSCI (YAMA) 4901 Search Engine Design3 Credits

Introduction to develop a simple Internet search engine. Yamacraw project classified 5 categories: Vision and Design, Implementation, Extension, Installer, and Maintainers, Users. Students will implement a test version of a search engine. Software layers include: NT server, SQL Server, Internet Information Server, ASP Web Interfact.

ELECTRONICS ENGINEERING TECHNOLOGY

ELET 3101K Electric Circuit I3 Credits

The concept of current, voltage, power, and resistance. The course deals with units, basic electrical laws, series and parallel circuits, network theorems, and instruments. AC sources, capacitance, inductance, and magnetism are introduced. Circuits are analyzed using PSPICE Laboratory work parallels class work and includes the use of various AC and DC instruments. (2-2-3)

Prerequisites: MATH 1113

ELET 3111K Electric Circuit II Credits

The second part of the electric circuit sequence. The course deals with impedance and admittance in sinusoidal circuits. Resonant circuits, three-phase circuits, harmonics and transformer theory are also studied. Circuits are analyzed using PSPICE. Laboratory work parallels class work. (2-2-3)

Prerequisite: ELET 3101K

ELET 3201K Electronics I3 Credits

A study of discrete electronic devices. Semiconductor diodes, BJTs and FETs are studied with emphasis on characteristic curves. BJT and FET amplifiers are studied in-depth and various configurations of small and large signal amplifiers are studied. Circuits are analyzed using PSPICE. Laboratory work parallels class work. (2-2-3)

Prerequisite: ELET 3101K; Corequisite: ELET 3111K

ELET 3211K Electronics II3 Credits

A study of the characteristics, performance, and application of the most common linear integrated circuits. The emphasis of this course is on operational amplifiers, comparators, multipliers, oscillators, voltage regulation, oscillators, phase-locked loops and data converters. Applications will illustrate use, and laboratory exercises will enhance learning. (2-2-3)

Prerequisite: ELET 3201K

ELET 3301K Digital Systems I3 Credits

A comprehensive study of binary and hexadecimal numbers, Boolean algebra, truth tables, Karnaugh maps, and combination logic using basic gates. Flip-flops, counters, registers, encoders, and decoders are also presented. Circuit simulation software is used in both classroom and laboratory work. (2-2-3)

Prerequisite: ELET 3101K

- ELET 3311K Digital Systems II 3 Credits**
 A thorough study of sequential design. Techniques and issues relevant to design will be covered in-depth and project work will emphasize the use of LSI, MSI, and SSI circuits in the application and design of complex digital systems. Analog-to-digital converters (ADC), digital-to-analog converters (DAC), programmable logic devices (PLDs), and introduction to microprocessors are also studied. Circuit simulation software used in both classroom and laboratory. (2-2-3)
Prerequisite: ELET 3301K
- ELET 3401K Microcomputer Interfacing 3 Credits**
 A study of microprocessors and microcomputer systems. Related hardware and software issues of X86 will be covered. The course also covers memory systems, input/output devices and interfacing mechanisms. Classroom instruction is enhanced by laboratory work. (2-2-3)
Prerequisite: ELET 3301K
- ELET 3411K Microcontrollers 3 Credits**
 A comprehensive study of micro controller hardware and software. System architecture includes the CPU, timer, serial, and parallel I/O ports, RAM and ROM. The software portion of the course covers assembly language. Classroom instruction will be enhanced by laboratory work. (2-2-3)
Prerequisite: ELET 3301K
- ELET 3501K Control Systems 3 Credits**
 Analysis and design of linear feedback control systems are studied. Nyquist's and Routh's stability criteria, Bode plots, transient behavior, static error coefficients, and the steady-state behavior of various system types are presented. The root-locus method and block diagram representation and simplification are also included. Classroom instruction will be enhanced by laboratory work. (2-2-3)
Prerequisites: ELET 3111K; MATH 2111
- ELET 3511K Electrical Machinery 3 Credits**
 An introductory course in the characteristics and application of basic electric machinery. Three phase distribution systems, transformers, DC generators, AC generators, DC motors, and AC motors are studied. Laboratory work parallels classroom instruction. (2-2-3)
Prerequisite: ELET 3111K
- ELET 3701K Data Acquisition System 2 Credits**
 An introduction to the techniques for interfacing the basic measurement and instrumentation circuitry and systems to monitor physical characteristics such as temperature, pressure, strain, and distance by using data acquisition system. Typical instrumentation and measuring problems will be solved in the laboratory. (1-2-2)
Prerequisite: ELET 3101K
- ELET 4101K Programmable Logic Controllers 3 Credits**
 PLC, ladder logic, programming, installation, and troubleshooting of PLC systems. Sensors and their wiring, I/O modules and wiring, and fundamentals of plant communications are studied. Laboratory work parallels classroom instruction. (2-2-3)
Prerequisite: ELET 3301K

ELET 4401K Industrial Electronics3 Credits

A study of the necessary background for understanding the concept and utilization of various electronics devices, circuits and systems which are essential in industrial control and automation. Recent development and practices in industry are presented. Students apply the knowledge from Electronics II and Digital Systems II to develop application-oriented systems. (2-2-3)

Prerequisites: ELET 3211K; 3311K

ELET 4411K Computer Electronics3 Credits

A study of the theory of operations of the various electronic devices and components of the microcomputer. The installation, maintenance, and troubleshooting of micro-computer peripheral is also studied. Laboratory work parallels classroom instruction. (2-2-3)

Prerequisite: ELET 3301K

ELET 4611K Fiber Optics3 Credits

A study of the basic understanding of optics systems, fiber optics, types, and characteristics related to computer communication. Additional coverage includes fiber optic couplers, multiplexes, demultiplexes, and distribution system. Laboratory work parallels classroom instruction. (2-2-3)

Prerequisite: CSCI 3385

ELET 4621K Digital Communications3 Credits

Sampling, coding, decoding, and digital multiplexing. The course will also cover the networking essential concepts, with emphasis on Microsoft Networking system. (2-2-3)

Prerequisite: ELET 3311K

ELET 4901K Senior Project1 Credit

The selection of an appropriate engineering project for design and development. The majority of work is spent in the laboratory researching, designing, prototyping, debugging, and fabricating the project. Engineering note book is required. Course requirements include oral and written reports on the project. (0-2-1)

Prerequisite: Permission of the instructor

ENGINEERING

ENGR 1113K Introduction to Engineering Analysis4 Credits

Analytical geometry, the function concept, polynomials, exponential, logarithms, trigonometric functions, mathematical induction, and theory of equations. Each lab is based on a real-world application from engineering and science disciplines, and involves problem solving, and interactive and collaborative learning. Multiple approaches are employed (analytical, graphical, numerical, verbal) to model solutions to these problems, increasing their reasoning and problem-solving skills. This course will satisfy Area A and prerequisite for Math 2501. (3-2-4)

Prerequisite: minimum 37 score in College Algebra placement examination or (Math 1111 and minimum 50 score in College Algebra placement)

ENGR 1161K Computing for Engineers and Scientists3 Credits

Foundations of computing with an emphasis on design and implementation of algorithms that complement and support engineering problem solving. (2-3-3)

Prerequisite: ENGR 1113K or equivalent

ENGINEERING TECHNOLOGY

ENGT 2101K Computer Graphics3 Credits

An introduction to computer graphics hardware and software with emphasis on hands-on experience using one or more CAD systems. (1-4-3)

Prerequisite: MATH 1113

ENGT 2111K CAD Applications1 Credit

Covers architectural, chemical, civil, electronics and mechanical CAD applications. (0-2-1)

Prerequisite: ENGT 2101K

ENGT 2201 Technical Writing2 Credits

Covers fundamentals of writing technical reports and research papers; illustrating technical data; making oral presentations; and participating in group communications.

Prerequisite: ENGL 1102

ENGT 3101 Statics3 Credits

A study of applied engineering mechanics of rigid bodies in equilibrium. Analysis of forces, reactions and moments in various force systems for both two and three dimensional systems. Determination of centroids of composite area and the moment of inertia will also be studied.

Prerequisites: MATH 2101; PHYS 1111K or PHYS 2211K

ENGT 3201 Applied Mathematics for Engineering Technology . . .1 Credit

Application of mathematics in the practice of engineering. The course consists of selected topics in matrix algebra, vectors, calculus, and statistics with emphasis on their application in engineering technology disciplines.

Prerequisite: MATH 2111

ENGT 3301 Quality Control3 Credits

A study of statistics, probability, control charts for variables and attributes, and acceptance sampling plans.

Prerequisite: ENGT 3201

ENGT 3501 Dynamics2 Credits

The study of kinematics, the motion and movement of a body in terms of displacement, velocity acceleration and time; and kinetics, the relations between motion of a body and the forces that caused the motion. Topics include rectilinear motion as well as curvilinear motion.

Prerequisite: ENGT 3101

ENGT 3601 Strength of Materials3 Credits

A comprehensive study of the concept of the stress-strain relationship and how this relates to the design of structural members. Emphasis will be on the stress distribution due to axial tension and compression, thermal, torsion, and transverse loading and their combinations. Course content will also include pure bending, transformations of stress, shear and bending moment diagrams, slope and deflection of beams by integration, and Euler's formula for columns.

Prerequisites: ENGT 3101; MATH 2111; MECT 3101K

ENGT 3701 Engineering Economy3 Credits

A study of the fundamental concept and analytical tools of engineering economy. The elements of engineering decision-making process, compound interest and equivalence are examined. This course also covers present worth, uniform annual cost, rate of return and depreciation method as well as income taxes to help make the correct engineering business decision.

Prerequisites: MATH 1113; Permission of the instructor

ENVIRONMENTAL SCIENCE

ENSC 2040 Environmental and Evolutionary Issues3 Credits

Mechanisms of evolution in relation to plant, animal and man, survey of global environmental issues facing man from philosophical, sociological, historical, ecological, and technological perspectives. (3-0-3)

Prerequisite: With Instructor's permission.

ENSC 2401 Introduction to Environmental Science3 Credits

Study of biosphere, biomes, ecosystems, biota, food chain, sustainable development, nutrient cycling, ecosystem energies, industrial development, and water, air and soil pollution problems. (3-0-3)

Prerequisite: With the Instructor's permission.

ENSC 2401L Introduction to Environmental Science Lab1 Credit

Lab taken concurrently with ENSC 2401. (0-2-1)

ENSC 3121 Environmental Ethics3 Credits

The basics in philosophical and ethical thought, especially as related to the development in mankind of a new ecological ethic. (3-0-3)

Prerequisites: HUMN 2011, ENSC 2401

ENSC 3201 Limnology3 Credits

Evolution and morphology of ponds, lakes, and streams; physical and chemical characteristics of inland water, aquatic biota, their taxonomy and ecology. (3-0-3)

Prerequisites: ENSC 2401, BIOL 2401, CHEM 1211, CHEM 1212

ENSC 3201L Limnology Lab1 Credit

Lab taken concurrently with ENSC 3201. (0-2-1)

ENSC 3203 Environmental Chemistry3 Credits

The chemistry of the Earth's natural processes in air water and soil, toxic pollutants, soil, water, air, and sediment chemistry in relation to pollutants, natural waters and acid base chemistry of the carbonate system, redox, solid phase-solution equilibria, ion adsorption and desorption phenomenon. (3-0-3)

Prerequisites: ENSC 2401, CHEM 1211, CHEM 1212

ENSC 3203L Environmental Chemistry Lab1 Credit

Lab taken concurrently with ENSC 3203. (0-2-1)

ENSC 3205 Environmental Microbiology3 Credits

Relationships of microorganisms to their environment and to other organisms, symbiotic, soil and aquatic microorganisms are considered, genetically engineered microorganisms as well as principles of bioremediation. (3-0-3)

Prerequisites: BIOL 1107K, BIOL 1108K, CHEM 1211, CHEM 1212

ENSC 3205L Environmental Microbiology Lab1 Credit

Lab taken concurrently with ENSC 3205. (0-2-1)

- ENSC 3301 Environmental Radiation3 Credits**
 Atomic structure, nuclear radiation, radioactive decay, interaction of charged particles and electron with matter, methods of radiation detection, radiation dosimetry and radiation protection. (3-0-3)
Prerequisites: CHEM 1211, CHEM 1212, PHYS 1111K, 1112K
- ENSC 3301L Environmental Radiation Lab1 Credit**
 Lab taken concurrently with ENSC 3301. (0-2-1)
- ENSC 3621 Environmental Safety and Health3 Credits**
 Human exposure and health effects of chemicals, regulatory safety procedures, management requirements, preservation and control of accidental releases of hazardous material, risk assessment, principles of industrial hygiene. (3-0-3)
Prerequisites: ENSC 2401, BIOL 1107K, BIOL 1108K
- ENSC 4101 Hydrology3 Credits**
 Topics dealing with the fundamentals of the hydrologic cycle, budget and aquatic; precipitation, evapo-transpiration, stream flow; containment transport; ground water flow and urban vs. watershed models. (3-0-3)
Prerequisites: MATH 1113, MATH 2101
- ENSC 4101L Hydrology Lab1 Credit**
 Lab taken concurrently with ENSC 4101. (0-2-1)
- ENSC 4121 Environmental Law3 Credits**
 Overview of the historic development and evolution of legal principles, the legal processes relating to resource conservation, environmental regulations and statutory laws. (3-0-3)
Prerequisites: ENSC 2401, ENSC 3121
- ENSC 4202 Principles of Ecotoxicology3 Credits**
 Toxic chemicals and their fate and distribution in various ecosystems, toxicity of chemicals on the individual, populations and communities, relationship of dose and response, and biomarkers in population studies. (3-0-3)
Prerequisites: ENSC 2401, CHEM 2501
- ENSC 4301 Hazardous Waste Management3 Credits**
 Hazardous wastes disposal techniques, problems associated with current waste disposal techniques, major pathways of pollutant migration from disposal sites, emphasis on critical issues facing industry, government, and the public. (3-0-3)
Prerequisites: ENSC 3203, CHEM 2501
- ENSC 4401 Environmental Impact Assessment3 Credits**
 Land use planning, zoning, subdivision and community organization, human growth, control, local, state and federal regulations, multi disciplinary terms are organized to produce actual EIS's, geology, soils, topography, hydrology, meteorology, biology, sociology and economics are all involved. (3-0-3)
Prerequisites: ENSC 2401, ENSC 3121
- ENSC 4801 Internship2 Credits**
 Supervised training, apprenticeship, and experience with an appropriate agency, written internship report, and report presentation. (1-0-1)
- ENSC 4901 Environmental Synthesis Seminar1 Credit**
 Most updated environmental literature search, research methodology, synthesis, manuscript preparation, and seminar presentation. (1-0-1)

ENSC 4910 Special Topics **2 Credits**
 In depth discussion and review of most critical environmental issues, toxic chemicals, soil, water and air pollution, and new remedial methodologies. **(2-0-2)**
Prerequisite: Senior standing

FORENSIC SCIENCE

FSCI 3201 Forensic Evidence in Law Enforcement **3 Credits**
 Principles of criminal law and procedure, preparation and presentation of evidence; examination of witnesses, and methods of legal research. Emphasis will be placed on court opinions defining the rules of search and seizure and advisability of evidence.
Prerequisite: CHEM 1211

FSCI 3301 Principles of Forensic Sciences **3 Credits**
 Application of chemical and instrumental techniques that are currently used in crime laboratories to examine firearms, tool marks, documents, arson accelerants, drugs, hairs, plastics, paints, glass, soil, and textile fibers.
Prerequisite: FSCI 3201

FSCI 3301L Principles of Forensic Science Laboratory **1 Credit**
 Lab to supplement FSCI 3301. **(0-4-1)**

FSCI 4101 Personal Identification **3 Credits**
 Modern techniques in personal identification with various methods in DNA fingerprint analysis, DNA profiling, DNA typing in rape and murder cases and in cases of paternity testing.

Prerequisites: CHEM 1211; FSCI 3301

FSCI 4101L Personal Identification Lab **1 Credit**
 Lab to supplement FSCI 4101. **(0-4-1)**

INDUSTRIAL TECHNOLOGY MANAGEMENT

INTM 3101 Motion and Time Study **3 Credits**
 A comprehensive study of cost analysis, production and inventory control, balancing of production lines, incentive pay and motion studies. Topics include problem solving techniques, operation and process charts, motion economy, work measurement, and motivational concepts.

INTM 3201 Cost Estimating **3 Credits**
 A study of preparing detailed cost estimates for new and existing products. The course content is divided into the following areas: labor costs, materials cost, accounting principles, forecasting, operation and product estimating, and engineering economics.

INTM 3301 Production and Inventory Control **3 Credits**
 A study of selecting and installing a computerized inventory control system such as Material Requirements Planning (MRP). The following topics are included: forecasting, master production scheduling, material requirements planning, inventory management, production activity control, and critical path scheduling.

INTEGRATED SCIENCE

- ISCI 1101 Integrated Science I** **3 Credits**
 Nature, physical properties, structure and evolution of the physical universe, nuclear energy and the atom, cosmology, the nature of energy and its conservation. (3-0-3)
- ISCI 1111K Integrated Science II** **4 Credits**
 The physical earth, biological evolution, ecological processes, and human development. (3-2-4)

Note: This is a 4-credit physical science course with laboratory.

MARINE SCIENCE

- MSCI 3101 Marine Science I** **3 Credits**
 Survey of basic concepts and interrelationships of physical, geological, chemical, and biological oceanographic and inshore ecosystems. Introduction to function and application of oceanographic equipment. (3-0-3)
Prerequisites: BIOL 1108K; CHEM 1212
- MSCI 3101L Marine Science I** **1 Credit**
 Lab taken concurrently with MSCI 3101. (0-2-1)
- MSCI 3102 Marine Science II** **3 Credits**
 Introduction to the physiology, morphology, taxonomy, and ecology of marine organisms and their role in oceanographic processes. (3-0-3)
Prerequisites: BIOL 1108K; CHEM 1212
- MSCI 3102L Marine Science II** **1 Credit**
 Lab taken concurrently with MSCI 3102. (0-2-1)
- MSCI 3301 Marine Environmental Chemistry and Analysis** **3 Credits**
 Chemical composition and processes of seawater and coastal waters; methods and techniques employed in analyzing environmental parameters; carbonate buffering system of seawater, biogeochemical cycles. (3-0-3)
Prerequisites: CHEM 1212; MSCI 3101
- MSCI 3301L Marine Environmental Chemistry and Analysis** **1 Credit**
 Lab taken concurrently with MSCI 3301. (0-2-1)
- MSCI 3401 Invertebrate Zoology** **3 Credits**
 Survey of the major invertebrate taxa emphasizing function and special adaptations to coastal and marine environments. Practical emphasis on collection, preserving, sorting, and classifying, especially local species. (3-0-3)
Prerequisite: BIOL 1108K
- MSCI 3401L Invertebrate Zoology** **1 Credit**
 Lab taken concurrently with MSCI 3401. (0-2-1)
- MSCI 3501 Ichthyology** **3 Credits**
 Evolution, classification, anatomy, physiology, and ecology of fishes. Includes methods for the collection, identification, maintenance, and study of southeastern coastal marine and estuarine species. (3-0-3)
Prerequisites: BIOL 1108K; MSCI 3102
- MSCI 3501L Ichthyology Lab** **1 Credit**
 Lab taken concurrently with MSCI 3501. (0-2-1)

- MSCI 3601 Biometry** **3 Credits**
 Introduction to statistics with applications in the biological and health sciences. Covers measurement, data, variables, dispersion, variance, parameters and estimates, errors, hypothesis/significance testing, t-tests, ANOVA, chi-square; correlations and regression analyses, and the use of computers in statistical analyses. **(3-0-3)**
Prerequisite: MATH 1113
- MSCI 3901 Technical Writing and Seminar** **3 Credits**
 The practical study of organizing and presenting scientific and technical information through writing and oral presentation. Covers the key elements of effective oral communication and written communication in memoranda, letters, questionnaires, reports, articles, and abstracts. Introduces the application and practical capabilities of computers, word processing, and integrated software. **(3-0-3)**
Prerequisite: ENGL 1102
- MSCI 4101 Research** **1 Credit**
 Provides background information and assistance for students to engage in original independent scientific research. By describing how to find pertinent scientific literature on a topic, problem, or question, explaining how to apply for summer research internships at marine laboratories and oceanographic institutions, and describing the organizational need and elements of the research report, the student should be able to design an independent research project, write the background or introduction of the report from library research and interviews. **(1-0-1)**
Prerequisites: Junior standing; MSCI 3101
- MSCI 4101L Research Internship** **2 Credits**
 Taken subsequent to or concurrently with MSCI 4101, MSCI 4101L Research Internship is an independent study opportunity to engage in original independent scientific research. The student must meet regularly with the instructor and a research advisor (SSU or research institute faculty). **(0-4-2)**
Prerequisite/concurrent course: MSCI 4101
- MSCI 4201 Marine Ecology** **3 Credits**
 Principles of ecology related to marine and estuarine ecosystems. Theoretical population dynamics, age distributions, competition, predation, ecology are studied using computer modeling. Results of practical experimental approach to the study of marine ecosystems are analyzed using computer simulation, modeling, and analysis. **(3-0-3)**
Prerequisites: MSCI 3101, 3102, 3301
- MSCI 4201L Marine Ecology Lab** **1 Credit**
 Lab taken concurrently with MSCI 4201. **(0-2-1)**
- MSCI 4301 Biological Oceanography** **3 Credits**
 Global-scale considerations of biological features and processes within oceanic environments including: marine biogeography, oceanographic nutrient cycles, food webs and energy flow, pelagic and abyssal zone community dynamics, oceanic food resources, plankton biology, mathematical modeling. **(3-0-3)**
Prerequisites: MSCI 3101, 3301, 3401
- MSCI 4301L Biological Oceanography Lab** **1 Credit**
 Lab taken concurrently with MSCI 4301. **(0-3-1)**

MSCI 4501 Current Issues in Oceanography 3 Credits
 This course provides background information, letters, milestone journal articles, and guidance in literature searches for discussion/debate on current issues in oceanography. (3-0-3)

Prerequisites: BIOL 1108K; CHEM 3501 or BIO 124; CHE 307

MATHEMATICS

MATH 1111 College Algebra 3 Credits
 A course presenting topics in algebra in a manner that will prepare students to study trigonometry and to manage their present and future daily mathematical needs. Topics included are the real number system, functions and polynomials, inequalities (first and second degree), systems of equations, and operations with exponential numbers (including radicals).

MATH 1113 Precalculus 4 Credits
 A course designed to prepare students for a successful study of calculus. Topics include functions and their graphs, inverse functions, exponential and logarithmic functions, trigonometric functions and their inverses, analytic trigonometry, application of trigonometric functions, fundamentals of analytic geometry, and polar coordinates.

Prerequisite: MATH 1111 or a minimum score of 475 on the SAT-MAT

MATH 2101 Calculus I 4 Credits
 An integrated approach to differential calculus and an introduction to integral calculus. Topics include functions, graphs, the derivative, applications of the derivative, maxima and minima, velocity and acceleration, rates of change, antidifferentiation, the fundamental theorem of calculus, and basic integration techniques.

Prerequisite: MATH 1113

MATH 2111 Calculus II 4 Credits
 A continuation of MATH 2101. Topics include logarithmic, exponential, and other transcendental functions, applications of integration, integration techniques. L'Hopital's rule, improper integrals, and infinite series.

Prerequisite: MATH 2101

MATH 2121 Calculus III 4 Credits
 A continuation of MATH 2111. Topics include plane curves, parametric equations, polar coordinates, vectors and geometry of space, vector-valued functions, functions of several variables, partial derivatives, and multiple integrals.

Prerequisite: MATH 2111

MATH 2201 Elementary Statistics 3 Credits
 Topics include mean, median, range, variance and standard deviation of raw and grouped data, probabilities, correlation, the normal distribution, the t-distribution, statistical inference, including the pooled t-test, the analysis of variance, chi-square test, and regression analysis.

Prerequisite: MATH 1111

MATH 2301 Introduction to Discrete Math 3 Credits
 The study of the logical and algebraic relationships between discrete objects. The roots of discrete math lie deep in set theory, directed graphs and relations, functions, combinatorics, logic, Boolean algebra, graph theory, and recurrence relations.

Prerequisite: MATH 1113 (MATH 2101 or MAT 212 is recommended also)

MATH 2501 Calculus I for Engineers 4 Credits

This course is designed to present an integrated approach to differential calculus and integral calculus. Topics include functions, derivatives, product and chain rules, graphs, Newton's method, maxima and minima, and other applications of differentiation, Fundamental theorem of calculus, integration techniques, definite integrals, infinite series and convergence tests.

Prerequisite: MATH 1113 or ENGR 1113K

MATH 2511 Calculus II for Engineers 4 Credits

This course is a continuation of MATH 2501 – Calculus I for Engineers. Topics include L'Hopital's Rule, Improper Integrals, Taylor Approximation, Infinite Series and Power Series, Numeric Integration, Linear Algebra, the Theory of Linear Functions and Equations in Several Variables.

Prerequisite: MATH 2501

MATH 2521 Calculus III for Engineers 4 Credits

This course is a continuation of MATH 2511, Calculus II for Engineers. Topics included are vector calculus, parametric curves and motion, functions of several variable, Newton's method in several variables, optimization, differentials, double and triple integrals, vector analysis, line integrals, surface integrals, and the theorems of Green, Gauss, and Stokes.

Prerequisite: MATH 2511

MATH 3101 Linear Algebra 3 Credits

Topics include matrix algebra, solutions of linear systems, vectors and vector spaces, linear independence, spanning sets, bases, ranks, determinants, matrix inversion, linear transformations, null space, range, and eigenvalues.

Prerequisite: MATH 2111 or MAT 213

MATH 3201 Probability and Statistics I 3 Credits

Topics include sample spaces, elementary theorems of probability, permutations and combinations, random variables, discrete and continuous distributions and density functions, mathematical expectation, and moment generating functions of probability distributions.

Prerequisite: MATH 2111

MATH 3211 Foundations of Higher Mathematics 3 Credits

Topics include sets, propositional calculus, truth tables, predicate calculus, universal and existential quantifiers, proofs about sets, basic methods of proof, mathematical induction, relations and functions, and cardinality.

Prerequisite: MATH 2121

MATH 3301 Differential Equations 4 Credits

Topics include differential equations of the first order and first degree, linear equations, variation of parameters, method of undetermined coefficients, inverse operators, Laplace transforms, systems of differential equations, and applications.

Prerequisite: MATH 2111

MATH 3401 Modern Geometry 3 Credits

A course designed to give a modern view of geometry, including advanced treatment of standard topics in Euclidean geometry, as well as the study of non-Euclidean systems.

Prerequisite: MATH 2111

MATH 3501 Numerical Analysis3 Credits

Topics include solving of linear equations, Gauss-Seidel and Jacobi methods, error analysis, approximating functions by infinite series, iteration techniques, techniques of integration, to include trapezoidal and Simpson's rules.

Prerequisites: MATH 2111 and CSCI 1302

MATH 4101 Abstract Algebra I3 Credits

An introduction to groups, subgroups, homomorphisms, isomorphisms, cyclic groups, permutation groups, direct products, Abelian groups, and Sylow's theorem.

Prerequisite: MATH 3211 ✓

MATH 4111 Abstract Algebra II3 Credits

A course exploring the theory of rings, fields, integral domains, and vector spaces.

Prerequisite: MATH 4101

MATH 4201 Analysis I3 Credits

Topics include sets and functions, the real number system, elementary topology of the real line, limits of sequence, space of continuous functions, differentiation, and Riemann integration.

Prerequisites: MATH 2121 and 3211 ✓

MATH 4211 Analysis II3 Credits

A course presenting further topics in integration, Stokes theorem, Gauss divergence theorem, infinite series, sequences and series of functions, functions of several variables, and basic measure theory.

Prerequisite: MATH 4201

MATH 4221 Complex Analysis3 Credits

Topics include complex numbers, elementary functions, analytic functions, complex integration, Laurant and Taylor series, residues, conformal mapping, and applications.

Prerequisite: MATH 2121

MATH 4311 Probability and Statistics II3 Credits

Topics include sampling theory, statistical inferences, estimation and tests of hypotheses, multivariate distribution, transformation of random variables, conditional and marginal distributions, and Bayesian estimation.

Prerequisites: MATH 2121 and 3201

MATH 4401 Number Theory3 Credits

Topics include the theory of mathematical induction, divisibility theory in the integers, prime numbers and their distribution, the theory of congruences and modular arithmetic, Fermat's theorem, and number theoretic functions.

Prerequisite: MATH 3211 ✓

MATH 4411 Statistical Methods3 Credits

Topics include statistical concepts and methods basic to experimental research in natural and social sciences, methods of estimation and tests of hypotheses, categorical data analysis (only to two-dimensional contingency tables), introduction to analysis of variance, correlation, regression, and experimental design.

Prerequisite: MATH 3201

MATH 4421 Regression Analysis3 Credits

Topics include matrix algebra, simple linear regression, residual analysis techniques, multiple regression, nonlinear regression, dummy variables, and influence statistics.

Prerequisites: MATH 3101 or MAT 319, 3201 or MAT 217

MATH 4501 Introduction to Topology **3 Credits**
 Topics include fundamental concepts of topology: set theory, the real number line, continuity, compactness, connectedness, separations axioms, the axioms of choice, and metric spaces.

Prerequisite: MATH 3211

MATH 4601 Mathematical Research **1-3 Credits**
 A course designed for students who wish to participate in mathematics seminars and independent research. Credit varies from 1 to 3 hours.

Prerequisite: Junior or senior standing

MATH 4701 History of Mathematics **3 Credits**
 The origin and development of mathematical ideas, beginning with geometry and algebra and continuing through selected topics in modern mathematics.

Prerequisite: MATH 2111

MATH 4901 Senior Seminar **1-3 Credits**
 A course to develop students' use of mathematical skills and a chance to explore a mathematical concept in-depth.

MECHANICAL ENGINEERING TECHNOLOGY

MECT 3101K Engineering Materials **3 Credits**
 An overview of structures, properties, and applications of metals, polymers, ceramics, and composites commonly used in industry. Problem-solving skills are developed in the areas of materials selection, evaluation, measurement, and testing. (2-2-3)

Prerequisites: CHEM 1211, 1211L

MECT 3201K Manufacturing Processes **3 Credits**
 A survey of the manufacturing processes and tools commonly used to convert raw materials into finished products. The course includes basic casting and forming process; the basic mechanisms of material removal; measurement; assembly processes. (2-2-3)

Prerequisite: MECT 3101K

MECT 3301K Fluid Mechanics **3 Credits**
 A study of hydrostatics, viscosity, dimensional constraints and the fluid flow in pipes. (2-2-3)

Prerequisite: ENGT 3101

MECT 3401 Dynamics of Machines **3 Credits**
 The analysis of motion, velocity, acceleration, and forces in mechanisms and machines. Emphasis is placed on analytical methods suitable for computerized analysis as well as graphical methods for visualization and preliminary design studies.

Prerequisite: ENGT 3501

MECT 3411 Thermodynamics **3 Credits**
 The fundamentals of thermodynamics. Use of gas tables is introduced. Property relations for ideal gasses and incompressible liquid are introduced. Application of first and second laws to closed and open systems is studied. Heat engines, refrigerators, heat pumps, availability, and irreversibility are studied.

Prerequisite: PHYS 1111K or PHYS 2211K

MECT 4101 Machine Design I3 Credits

The design of machines and machine elements. The course focuses on power transmission in machines, including gears, belts, pulleys, bearings, lubrication, clutches, brakes, chains, power screws, and gear trains. Stress calculations and material selections are discussed.

Prerequisites: MECT 3101K; ENGT 2101K, 3601

MECT 4111 Machine Design II3 Credits

Further topics on the design of machine elements of structural integrity, reliability, and economy. Applications of advanced topics in strength of materials to machine design. The course includes a major design project.

Prerequisites: MECT 4101

MECT 4201K Robotic Applications3 Credits

A study of robotic applications in industry. This course is designed to provide students with practical experience on an IBM industrial robot and with its work cells. (1-4-3)

Prerequisites: CSCI 1301

MECT 4301K Heat Transfer3 Credits

An introduction to heat conduction, convection, and radiation and its applications to engines, heat exchanges, air conditioning, and refrigeration systems. (2-2-3)

Prerequisites: MECT 3301K, MECT 3411

MECT 4401K Applied Thermodynamics3 Credits

Continuation of MECT 3411 with emphasis on applications. Combustion, internal and external combustion cycles, gas turbines, compressors, refrigeration and air conditioning processes are studied. (2-2-3)

Prerequisite: MECT 3411

MECT 4701K Heating, Ventilating and Air Conditioning5 Credits

The application of the principles of MECT 3301K, MECT 3411, and MECT 4301K to the design and analysis of commercial and residential climate control systems. (3-4-5)

Prerequisite: MECT 4301K

MILITARY SCIENCE

MILS 1101 Introduction to Military Science and**Skills Development2 Credits**

Instruction providing a basic understanding of the U.S. military. The course includes the following subjects: the role of the U.S. Army in national defense, organization and branches of the U.S. Army, ROTC and its role, customs and traditions of the service, military writing, implementing a personal physical fitness program, role of the ARNG and USAR, and roles of the commissioned and noncommissioned officer. Skills development includes instruction and practical exercises in basic mountaineering skills as well as knot tying, belaying, and rappelling. This course is acceptable as a PE requirement. MILS 5000 should be taken concurrently. (1-1-2)

MILS 1102 Basic Military Leadership2 Credits

This course continues the development of critical military skills, leadership, and management techniques. It provides basic leadership techniques and principles, professional ethics, and senior subordinate relationships. One weekend field trip is required. (2-1-2)

MILS 2201 Basic Military Skills **.2 Credits**
Introduction and practical exercises covering basic skills necessary as a future leader in the U.S. Army. The course includes the following subjects: land navigation and map reading, basic first aid, survival, and communications. **(2-1-2)**

MILS 2202 Basic Military Tactic **.2 Credits**
Instruction introduces students to the fundamentals of Army leadership and management techniques. Focus is placed on the mission, organization, and composition of small unit teams; principles of offensive and defensive operations stressing firepower, movement, and communications techniques, and introduction to troop leading procedures. **(2-1-2)**

MILS 2250 Basic Field Internship **Credit Varies**
An intense summer program conducted at Ft. Knox, Kentucky, for six weeks. Designed as an alternative method to meet the prerequisites of the advanced course for students who have no basic course military science instruction. **(V-V-5)**

MILS 3301 Advanced Tactics and Applied Leadership I **.3 Credits**
Instruction on the principles of leadership and the leader's role in directing small units in a variety of tactical scenarios. Emphasis is placed on developing and executing orders, troop leading procedures, and squad tactical reaction procedures. Land navigation and communication subjects are also included in the course. **(3-2-3)**
Prerequisite: Completion of or placement credit for the Basic Course

MILS 3302 Advanced Tactics and Applied Leadership II **.3 Credits**
Continued instruction on the principles of leadership and the leader's role in direction of small units in a tactical environment. Emphasis is placed on offensive and defensive tactics, patrolling techniques, and conducting after-action reviews. Instruction in management and leadership techniques emphasizes Green Tab Leadership and leadership assessment. **(3-2-3)**
Prerequisite: MILS 3301

MILS 3350 Advanced Military Skills Practicum
(Advanced Camp) **.5 Credits**
The study and practical application of military skills and leadership ability during a six-week encampment experience. Encampment and training are conducted at Ft.-Bragg, N.C. Instruction and evaluations are done by U.S. Army ROTC Cadet Command. **(V-V-5)**
Prerequisites: MILS 3301 and MILS 3302

MILS 4401 Military Leadership and Management Seminar **.3 Credits**
Instruction covers U.S. Army Command and Staff functions. Military and professional knowledge topics include writing in the Army style, oral communications, conducting briefings, preparing to conduct training, and evaluating training. **(V-1-5)**
Prerequisites: MILS 3301, MILS 3302, and MILS 3350

MILS 4402 Transition to Lieutenant **.3 Credits**
Instruction prepares MS IV cadets in their transition from cadet/student to commissioned officer. The course also covers military law, the law of land warfare, and additional basic knowledge and individual needs to become a professional officer. **(V-1-3)**
Prerequisite: MILS 4401

NAVAL SCIENCE

NSCI 1001 Introduction to Naval Science 2 Credits

Introduce midshipmen to NROTC program mission, organization, regulations and broad warfare components of the naval service. Included is an overview of officer and enlisted rank and rating structure, training and education, promotion and advancement and retirement policies. This course also covers naval courtesy and customs, as well as a study of the organization of the naval service. Students are familiarized with the major challenges facing today's naval officers, especially, in the areas of leadership and human resources management.

Lecture: 2.00 Lab: 0.00

College: College of Sciences & Technology

Department: Naval Science

NSCI 1002 Seapower and Maritime Affairs 2 Credits

A survey of American Naval and Maritime history from the American Revolution to the present with emphasis on major developments. Attention will be focused on Mahan's geopolitical theory; economic and maritime forces; U.S. military and maritime strategy; and a comparative analysis of American and foreign maritime strategies.

Lecture: 3.00 Lab: 0.00

College: College of Sciences & Technology

Department: Naval Science

NSCI 1003 Sailing 3 Credits

A foundation course that provides students with fundamental knowledge and skills to be a competent crew member. The course covers the basic theory of sailing, nomenclature, seamanship, boat equipment and safety, and application inland waters navigation rules for sailing craft. Upon completion of this course, students will be Skipper "B" qualified. Practical skills to be mastered consist of rigging and sailing from a pier; sail to weather; sail two figure eight courses with two tacks and two jibes; man overboard maneuver; a capsize; return to dock and secure.

Lecture: 2.00 Lab: 1.00

College: College of Sciences & Technology

Department: Naval Science

NSCI 2101 Naval Ships Systems I 3 Credits

A detailed study of ship characteristics and types, including ship design, hydrodynamics forces, stability, compartmentalization, propulsion, electrical and auxiliary systems, interior communications, ship control and damage control. Basic concepts or the theory and design of steam, gas turbine and nuclear propulsion, shipboard safety and firefighting are also covered.

Lecture: 3.00 Lab: 0.00

College: College of Sciences & Technology

Department: Naval Science

NSCI 2102 Leadership & Management3 Credits

An introduction of management functions as they apply to routine daily military activities. The concepts of planning, organizing, staffing, directing, controlling and coordination are introduced and examined using lecture, seminar and case study methods. The course includes discussions on responsibility and accountability, power and influence, managerial theories, decision making, personnel appraisal, organizational structure and communications. Emphasis is placed on management of personnel and physical resources.

Lecture: 3.00 Lab: 0.00

College: College of Sciences & Technology

Department: Naval Science

NSCI 3101 Evolution of Warfare5 Credits

This course traces the historical development of warfare from the dawn of recorded history to the present, focusing on the impact of major military theorists, strategist, tacticians, and technological developments. Students acquire a basic sense of strategy, development and understanding of military alternatives, and become aware of the impact of historical precedent on military thought and actions.

Lecture: 5.00 Lab: 0.00

College: College of Sciences & Technology

Department: Naval Science

NSCI 4102 Amphibious Warfare5 Credits

A historical survey of the development of amphibious doctrine and the conduct of amphibious operations. Emphasis is placed on the evolution of amphibious warfare in the 20th century, especially, during World War II. Present day, potential, amphibious operations and their limitations, including the rapid deployment force concept, will be discussed.

Lecture: 5.00 Lab: 0.00

College: College of Sciences & Technology

Department: Naval Science

Restrictions: Must be a Junior or Senior

NSCI 3003 Navigation I3 Credits

An in-depth study of piloting and celestial navigation theory, principles, and procedures, as well as the rules of the nautical road, ship employment and relative motion analysis. Students learn piloting navigation: the use of charts, visual and electronic aids, and the theory and operation of compasses. Celestial navigation is covered in depth. Students develop practical skills in piloting, celestial navigation, and relative motion analysis. Other topics include tides, currents, effects of wind and weather, use of navigational instruments, ship employment, types and characteristics of electronic navigation systems, naval command and control, and afloat naval communications.

Lecture: 2.00 Lab: 1.00

College: College of Sciences & Technology

Department: Naval Science

NSCI 3004 Navigation II3 Credits

An in-depth study of piloting and celestial navigational theory, principles, and procedures, as well as the rules of the nautical road, ship employment and relative motion analysis. Students learn piloting navigation: the use of charts, visual and electronic aids, and the theory and operation of compasses. Celestial navigation is covered in depth. Students develop practical skills in piloting, celestial navigation, and relative motion analysis. Other topics include tides, currents, effects of wind and weather, use of navigational instruments, ship employment, types and characteristics of electronic navigation systems, naval command and control, and afloat naval communications.

Lecture: 2.00 Lab: 1.00

College: College of Sciences & Technology

Department: Naval Science

NSCI 4001 Naval Ships Systems II3 Credits

This course outlines the theory and employment of naval RADAR, SONAR, and weapons systems. Students explore the processes of detection, evaluation, threat analysis, weapon selection, delivery, guidance and naval ordnance. Fire control systems, major weapons types, and military platforms are discussed. The concept of command-control-communications and intelligence is explored as a means of weapons systems integration as are space and electronic warfare.

Lecture: 3.00 Lab: 0.00

College: College of Sciences & Technology

Department: Naval Science

NSCI 4104 Leadership & Ethics3 Credits

A study of military leadership and management which investigates techniques and concepts of task accomplishment in the absence of a normative business environment. The course includes an examination of military law, ethical leadership, personal responsibility, authority and bureaucracy. The focus of discussion is on those aspects of leadership and management not normally present in civilian enterprise such as operation in the presence of hostility and morale management.

Lecture: 3.00 Lab: .00

College: College of Sciences & Technology

Department: Naval Science

NSCI 4050 Naval Drill0 Credit

Introduces the student to basic military formations, movements, commands, courtesies and honors, and provides practice in unit leadership and management. Physical conditioning and training are provided to ensure students meet Navy/Marine Corps physical fitness standards. NSCI 4050 is required each semester for all NROTC students.

Lecture: 0.00 Lab: 0.00

College: College of Sciences & Technology

Department: Naval Science

PHYSICAL SCIENCES

ENVR 3101K Environmental Radiation4 Credits

A study of radioisotopes and radiation energy in the environment. Topics to be discussed are atomic structure and nuclear radiation, radioactive decay, interaction of charged particles and electrons with matter, methods of radiation detection, radiation dosimetry and radiation protection. (3-2-4)

Prerequisites: PHYS 1111K, PHYS 1112K, and General Inorganic Chemistry

GEOL 1121K Physical Geology 4 Credits

A course designed for students majoring in environmental science. The course is also useful for students majoring in civil engineering, marine science, and naval science who may take it as an elective. Topics include composition of the earth and its minerals, volcanoes, and earthquakes and their causes. (3-2-4)

Prerequisites: MATH 1111 and basic knowledge of chemistry and physics

PHSC 1011K Physical Science I 4 Credits

A course examining scientific facts and scientific laws pertaining to the physical universe. (3-2-4)

PHSC 1012K Physical Science II 4 Credits

A study of the earth in space, its form on the geographic grid, and map projections, atmosphere; oceans, ocean tides, and the eclipses; climate; soils and vegetation; temperature; latitude; heat budget of the earth. The earth's crust and its relief forms are discussed. (3-2-4)

PHYSICS

PHYS 1111K Introductory Physics I 4 Credits

An introductory course, which includes material from mechanics, thermodynamics, and waves. Elementary algebra and trigonometry are examined. (3-2-4)

Prerequisite: MATH 1113

PHYS 1112K Introductory Physics II 4 Credits

An introductory course, which includes material from electromagnetism, optics, and modern physics. Elementary algebra and trigonometry are examined. (3-2-4)

Prerequisite: PHYS 1111K

PHYS 2211K Principles of Physics I 4 Credits

An introductory course, which includes material from mechanics, thermodynamics, and waves. Elementary differential calculus is used. (3-2-4)

Prerequisite: MATH 2101 or MAT 2501

PHYS 2212K Principles of Physics II 4 Credits

An introductory course, which includes material from electromagnetism, optics, and modern physics. Elementary differential and integral calculus are examined. (3-2-4)

Prerequisite: PHYS 2211K

PHYS 3111 Heat and Thermodynamics 3 Credits

Mathematical background and preparation, equations of state, ideal and real gases, kinetic theory of gases (temperature and temperature scales, heat capacity and calorimetry, work, Laws of Thermodynamics), the enthalpy function and thermochemistry, Joule-Thomas experiment, entropy functions, free energy, phase rule.

Prerequisites: PHYS 2211K

PHYS 3121 Optics 3 Credits

Advanced topics in optics; a continuation of PHYS 2212K.

Prerequisites: PHYS 2212K

PHYS 3131 Magnetism and Electricity 3 Credits

Advanced topics in electricity and magnetism; a continuation of PHYS 2212K.

Prerequisites: PHYS 2212K

PHYS 3211 Mathematical Physics 3 Credits
 A course designed to develop an understanding of the concrete relationship between mathematical factors that contribute to various physical phenomena; qualitative and quantitative relationships.

Prerequisites: MATH 2111 and PHYS 2212K

PHYS 4111 Modern Physics 3 Credits
 Recent advances in atomic and nuclear physics.

Prerequisites: MATH 2111/PHYS 2212K and at least one upper-level physics course

PHYS 4951 Introduction to Research in Physics 2 Credits
 An introduction to the techniques and procedures used in physics research problems. (1-2-2)

Prerequisites: Junior standing in mathematics and physics; the consent of the instructor; completion of at least one 3100 or 4100 level physics course

THE REWRITE CONNECTION

ENGL 0199 Basic Composition 3 Credits
 A co-requisite for Reading 0099. This course is designed for students who have exited English 0099, but are still attempting to exit Reading 0099 and for new students whose placement writing score exempted them from English 0099, but whose reading score required Reading 0099. The course integrates reading, writing, and critical thinking by looking at writing as both product and process. Students will compose essays inside and outside of the classroom, using expository and rhetorical writing methods. Institutional credit only. (3-0-3)

RTSS 0198 Regents' Success Seminar 3 Credits
 A team-taught seven-week course integrating reading and writing. This course is designed to give first time Regents' test-takers reinforcement and enrichment prior to taking the Regents' Test. The course offers intensive instruction on reading and writing skills, focusing on reading comprehension and vocabulary and essay composition. A unit on improving test-taking strategies and building self esteem is also included. Practice tests will be given throughout the semester. The course will be conducted in a class/lab setting of no more than 25 students. Institutional credit only. (3-0-3)

STUD 0198 College Study Skills 3 Credits
 A course designed to develop study skills. It will focus on study skills such as time management, stress management, good note taking, goal setting and other factors that impact effective studying. It will also include survival strategies for test taking and many other practical related skills that are essential to students' success in college. A mini-research paper will be required to teach organizational and analytical skills. Institutional credit only. (3-0-3)

REGENTS' REMEDIATION

RTPR 0198 Reading 3 Credits
 Intensive practice in the development of reading skills. Required each semester for students who have not passed the reading section of the Regents' Testing Program by the time they earn 45 semester hours. Passing contingent upon passing the RTP. Institutional credit only. (3-0-3)

RTPE 0199 Essay **3 Credits**
 Intensive practice in the development of writing skills. Required each semester for students who have not passed the essay section of the Regents' Testing Program by the time they earn 45 semester hours. Passing contingent upon passing the RTP. Institutional credit only. **(3-0-3)**

STUDENT ACADEMIC ASSISTANCE (LEARNING SUPPORT)

ENGL 0099 Fundamentals of English **4 Credits**
 An exit level course in standard English, providing instruction in basic grammar, sentence mechanics, paragraph and essay composition, and test-taking skills. Laboratory-oriented, the course provides learning situations in both the classroom and the learning laboratories. A diagnostic examination at the beginning of the course will identify specific areas needing improvement. Institutional credit only. **(3-2-4)**

MATH 0097 Fundamental Mathematics I **4 Credits**
 A laboratory-oriented, entry level course designed to satisfy the needs of students whose knowledge of Introductory Algebra falls below the established cut-off COMPASS score for Math 0097. In this course, students will review concepts related to real numbers and variables, solving linear equations and inequalities, as well as systems of linear equations and inequalities, operations with exponential and polynomial expressions. Prerequisite: Appropriate cut-off placement score on COMPASS. Institutional credit only. **(3-2-4)**

MATH 0099 Fundamental Mathematics II **4 Credits**
 A laboratory-oriented, exit level course designed to satisfy the needs of students whose knowledge of Intermediate Algebra falls below the established COMPASS cut-off score for Math 0099. In this course, students will review concepts related to factoring quadratic polynomials, operations of rational expressions, operations of roots and radicals, solving quadratic equations and inequalities, graphing nonlinear functions and conic sections, and exponential and logarithmic functions and their properties. Prerequisite: Math 0097 or appropriate cut-off placement score on COMPASS. Institutional credit only. **(3-2-4)**

READ 0099 Foundations of Reading **4 Credits**
 A course designed to expand students' reading skills for creative, critical, and interpretive reading, and to prepare students to pass the post CPE/COMPASS. It is 40% lab and 60% classroom-directed. The course is designed for pre-college level reading reinforcement, focusing on three major areas: word recognition, advanced literal and inferential comprehension, and study skills. Reinforcing Writing Across the Curriculum, this course encourages students to use current events to develop multi-paragraph essays and other writing activities both in and out of class. Institutional credit only. **(3-2-4)**

GRADUATE PROGRAMS

MASTER OF MARINE SCIENCES

MSCI 5201 Introduction to Marine Sciences

Graduate level survey of the major disciplines of marine science including physics, geology, chemistry and biology. Emphasis will be placed on global scale processes including forces driving major ocean currents, tectonic activity, equilibrium chemistry, chemical and biological processes involved in nutrient cycling, and the determinants and effects of global climate change on major ocean processes. (3-1-4)

Prerequisite: physics, chemistry or biology.

MSCI 5202 Introduction to Coastal Oceanography

Course will consist of a variety of lectures, labs, and field experiences related to coastal oceanographic processes. Topics will include coastal physical oceanography (tides, wind driven currents, estuarine processes and stratification), coastal geology (depositional and erosion in coastal and offshore regions), biology, and biogeochemical cycling in the coastal zone (benthic and water column processes). (3-1-4)

Prerequisite: MSCI 5201

MSCI 5401 Technical Writing and Communication

Explores the elements of communicating scientific and technical information. It provides an overview of communication design, audiences, formats, style, mechanics, graphics, literature search, manuscript preparation, and seminar presentation. (3-0-3)

MSCI 5402 Research/Marine Science Seminar

Participation in preparation, presentation and discussion of marine-related seminar topics. (1-0-1)

MSCI 5501 Fish Ecology

This course presents the difference in morphology, ecology, behavior and life-history traits of the most common groups of cartilaginous and bony fishes. Course structure is based on overview of each fish group followed by active discussion of specific ecological characteristics of families and/or species based on primary literature selected by students.

MSCI 5560 Advanced Environmetrics

A statistics course that reviews linear statistical methods and teaches nonparametric approaches to treat environmental/biological data. May include but not be limited to: power tests, randomization and experimental design, analyses of variance, covariance and deviance, simple to polynomial regression, non-parametric tests of significance, pairwise and multiple comparisons, and response surfaces.

Prerequisite: statistics. (3-0-3)

MSCI 6310 Scientific Ethics

The basics in philosophical and ethical thought in science, expanded to include the faculty/student relationship, peer review, data treatment, analysis and interpretation of data, funding sources and competition, proprietary research, politics of science in America and abroad (what factors shape funding emphases, how research foci vary regionally and globally). (3-0-3)

MSCI 6323 Coastal Law and Policy

An exploration of common federal and state law principles and legislation affecting uses of the lands, waters, and natural resources of the coastline and the adjacent ocean waters. Topics studied include doctrines defining public and private property rights in the shoreline and submerged lands, coastal wetlands protection, beach management, marine fisheries, aquaculture regulation, marine protected species in coastal areas, pollution control, energy and mineral development, food sources, marine transportation and coastal land use control. (3-0-3)

MSCI 6324 Coastal Zone Management

All coastal states now cooperate with the U.S. Government in managing the coastal zone to maximize human and natural value. The laws, regulations, policies, public goals, and agencies involved in this effort will be described and evaluated for effectiveness. (3-0-3)

MSCI 6542 Fisheries Population Dynamics

Formulation and use of mathematical models used in stock assessment of commercial and recreational fisheries. Includes stock concept, estimation of growth, mortality rates, gear selectivity, estimating CPUE, maximum sustainable yield, stock/recruitment relationships, analytical and holistic models, data requirements and start to finish methods for fisheries stock assessment reports. Microcomputer modeling and analysis packages will be used. (3-0-3)

Prerequisite: calculus.

MSCI 6546 Mariculture

Introduction to the principles and practice of the culture of marine organisms. Includes site selection, water quality, production systems, feeds and nutrition, health, brood-stock management and husbandry, and economics, overview of finfish, molluscan, and crustacean, and aquatic plant culture, physiology of growth and reproduction including exposure to advanced technology (e.g. molecular methods, neuroendocrinology).

Prerequisites: biology, MSCI 5201. (2-0-2)

MSCI 6550 Analytical Techniques in Seawater, Sediments and Soils

Students will obtain competency in a variety of analytical techniques for the analysis of seawater, marine sediments, and soils. Nutrient analysis, chemical constituents, contaminant analysis including both organic and inorganic contaminants, and bacteriological water quality. (0-3-3)

Prerequisite: chemistry.

MSCI 6552 Marine Biotechnology

An overview of concepts, approaches, techniques, and applications of biotechnology with emphasis on marine biotechnology. Principles of recombinant DNA technology, its relevance to genetic engineering, and its uses in basic and applied biology. Methodology and concepts of genetic engineering technology; molecular mechanisms of gene transfer, integration and expression of transgenes in target tissues/organisms. Applications of marine biotechnology in aquaculture, marine environmental protection, the use of transgenic fish, production of fuels from algae and natural products of pharmaceutical value from marine organisms, and other applications. (3-1-4)

Prerequisite: genetics.

MSCI 6562 Remote Sensing

Principles, characteristics and applications of environmental remote sensing. Topics include concepts and foundations of remote sensing photographic systems and interpretation of thermal and multispectral scanning radar systems, satellite remote sensing and digital image processing. Aspects of oceanographic data such as phytoplankton abundance, sea-surface temperatures, ocean wind speeds and instrumentation such as SeaWiFS, AVHRR, and SSM/I will be emphasized. (3-0-3)

Prerequisites: calculus, statistics.

MSCI 6725 Coastal Wetland Ecology

Introduction to coastal wetlands (brackish/fresh water marshes, swamps, and bogs), with an emphasis on typical southeast US flora and fauna. Wetland physical diagnostic characteristics (hydrology, pedology) as well as biological parameters (primary productivity, biogeochemistry and nutrient transport) will be covered. (3-0-3)

MSCI 6726 Coastal Botany

Identification, classification, ecology of coastal plants and algae; wetland and barrier island plant communities and functions; physiological ecology of coastal plants and algae. (3-1-4)

Prerequisite: botany or ecology.

MSCI 6745 Aquatic Pathology

Systematics, life history, spread, etiology, diagnoses and treatment of selected diseases among shellfish, fish, and marine mammals. Viral, bacterial, fungal, protozoan and invertebrate pathogens. The importance of aquatic diseases in aquaculture and to public health. (3-1-4)

Prerequisite: biology.

MSCI 6747 Marine Mammalogy

Natural history, taxonomy, anatomy, physiology, ecology, conservation, and economic importance of the cetacea, pinnipedia, and sirenia. (3-0-3)

Prerequisite: biology.

MSCI 6781 Benthic Ecology

Ecology course describing the general chemical, biological and physical nature of the sediment environment, comparing these traits across saltmarsh, deep sea and shelf habitats. Including trophic relationships and distribution of organisms, the role of microbial communities, formation of detritus, and sediment transport. (3-0-3)

MSCI 7344 Fisheries Management

Environmental ecology, conservation, and processes used to manage living marine and aquatic resources harvested or otherwise impacted by human activities. Examples from global, regional, and local areas will be highlighted. (3-0-3)

MSCI 7527 Coastal Environmental Certifications

Provides background, basis in law, descriptions, and requirements for a variety of certifications and training associated with environmental regulation compliance in coastal areas. (3-0-3)

MSCI 7564 Geographic Information Systems and Database Management in Coastal Studies

Theory, concepts, limitations, and implementation of geographical spatial analysis systems for the study of coastal processes. Through a "hands-on" approach, students will become familiar with the use of GIS and other information management systems for analysis of complex large databases pertaining to coastal processes. (3-1-4)

MSCI 7728 Coastal Processes

Changes in the very dynamic coastal environment are best understood by evaluating the major physical processes that control coastal configuration, including tides and currents, storm impacts, sea level change, sediment transport, barrier island and delta formation, and river input. In addition, organism impacts on the coastal environment will also be evaluated (marsh vegetation, dune vegetation, human alterations, estuarine nurseries). (3-0-3)

Prerequisites: MSCI 5201, MSCI 5202.

MSCI 7743 Fisheries Oceanography

Introduction to the physical and biological processes (i.e., recruitment variability, compensatory mechanisms, and species interactions) that control the abundance of living marine resource populations. Includes case studies of contemporary multidisciplinary research. (3-0-3)

MSCI 7754 Marine Biogeochemistry

Chemistry course, which focuses on the sources, transport and fate of organic matter in natural environments including marine sediments, soils and natural waters. Includes the global carbon cycle, analytical methods in organic geochemistry, geochemistry of organic matter constituents, geochemistry of humic substances. (3-0-3)

Prerequisite: MSCI 5202.

MSCI 7782 Marine Microbial Ecology

Emphasizes the diversity and role of microorganisms in marine ecosystems. Nutrient cycles, methods of microbial analysis, genetic diversity, and the functional roles of microorganisms in marine systems. (3-0-3)

MSCI 7783 Water Column Ecology

Major biological processes in the water column of estuarine, coastal, and open sea environments, with emphasis on interactions of biota with marine chemical and physical processes. (3-0-3)

MSCI 7801 Directed Research

Directed readings or research at the graduate level to meet the needs of individual students. Consent of instructor required. Variable credit. (0-(1-3)-(1-3))

MSCI 7851 Special Topics

Content to be determined each semester. May be repeated. Variable credit. ((1-3)-0-(1-3))

MSCI 7991 Thesis I

Thesis research and preparation. Consent of research advisor required. (3-0-3)

MSCI 7992 Thesis II

Thesis research and preparation. Consent of research advisor required. (3-0-3)

MASTER OF SOCIAL WORK

MSWK 6600 Advanced Standing Integrative Foundation3 Credits

Students must have BSW from an accredited institution, within last five years with 3.0 GPA and have completed admission requirement. Students will take this course before starting second year MSW curriculum. Prerequisite: Students who have successfully completed BSW are eligible.

MSWK 6650 Human Behavior and the Social Environment I3 Credits

An examination of normal human development through the life cycle using biological, psychological, sociological, and cultural perspectives. The systems perspective and the ecological model are used to guide this course.

MSWK 6651 Human Behavior and the Social Environment II3 Credits
 An examination of human behavior as it relates to macro systems. Communities and organizations are considered from the social systems perspectives. Organizational cultures, policies and procedures, reward systems, and goals of operation are studied.
Prerequisite: MSWK 6650

**MSWK 6660 Social Work Practice with Individuals
 and Families & Lab5 Credits**

The foundation practice course. The course focuses on the fundamentals of intervention at the micro level and the skills needed for generalist practice.

**MSWK 6661 Social Work Practice with Groups, Communities,
 and Organizations4 Credits**

A course focusing on the development of the knowledge, values, and interventive skills related to problems of larger client systems, families, groups, communities, and organizational structures.

Prerequisite: MSWK 6660

MSWK 6670 Research Methods I & Lab4 Credits

An examination of research methods in social work and their relevance for social work practice. Emphasis is on research as a scientific process and its utility in policy development and in evaluation of social work practice and social service delivery systems.

MSWK 6680 Social Welfare Policy and Services3 Credits

A foundation course which introduces students to current policies, programs, and delivery systems and their impact on contemporary social problems and conflicting issues. The historical development of social welfare in the United States is studied and the concept of the welfare state is introduced. Concepts intrinsic to social welfare policy are introduced.

MSWK 6690 Field Practicum I (20 hours per week)5 Credits

Placement in an approved human service setting. This course is required of all students completing the foundation year courses. This practicum is based on generic foundation content and is oriented toward generalist social work practice.

MSWK 6720 Understanding Death and Dying: Loss and Grief3 Credits

An elective for second year MSW clinical concentration. This prepares students in the areas of death and dying, and will enhance their skills in bereavement process. They will be able to find employment in settings like hospitals, hospice and faith based organizations.

MSWK 6750 Clinical Practice I3 Credits

This is the first course in a two-course sequence of Advanced Clinical Practice. Students in this course will integrate core counseling skills and generalist social work practice perspective gained in MSWK 6660 into a personal treatment philosophy from an ecosystemic perspective using social work theoretical approaches to individuals, families, and groups. Another major thrust for the course will be to integrate the eclectic knowledge base of MSWK 6660 on a group, community, and an organizational level into social work treatment models and theories (e.g., Ethnic-Sensitive/Multidimensional Practice Model; Task-Centered, Life Model of Practice). This is a "how to" hands on course with the primary objective of learning how to integrate theory into practice on a micro, mezzo, and macro level.

MSWK 6751 Clinical Practice II3 Credits

This is a second course in the two-semester sequence of Advanced Clinical Practice. Students in this course will begin the process of integrating skills gained in MSWK 6660, MSWK 6661 and MSWK 6750 to develop a personal treatment philosophy from an ecosystemic perspective, using family-centered and community organization approaches. A major thrust for this course will be how to integrate the theoretical models of structural, solution-focused, strategic, and experiential treatment into practice. A community project will serve as a learning laboratory for the student.

Prerequisite: MSWK 6650

MSWK 6752 Crisis Intervention and Brief Therapy3 Credits

This advance elective covers the history, development, and application of both crisis theory and brief solution-focused treatment within the context of the significance of biopsychosocial potential for healthy human development and social functioning. Emphasis is placed on practical application of techniques in situations such as natural disaster, death and dying, AIDS, battering, post-traumatic stress syndrome, rape, suicide, and family dysfunction.

MSWK 6760 Research Methods II3 Credits

The advanced application of social research methodology to the design, implementation, and evaluation of program and practice models in social work and social welfare. Students develop skills necessary to undertake advanced social work research and evaluation of practice skills and programs and contribute to increasing the knowledge base of the profession.

Prerequisite: MSWK 6670

MSWK 6780 Social Administration I3 Credits

A study of organizational theory as the basis of social administration. The course focuses on the knowledge and skills necessary for administration and management. Emphasis is placed on principles, concepts, and models of social welfare administration.

MSWK 6782 Advanced Policy and Planning3 Credits

This course, the second in the policy sequence, builds upon policy analysis and history of social welfare. It focuses on the skill development for the practice of policy. Students are required to complete the phases of the policy-making process from agenda setting through policy evaluation while demonstrating analytical, political, value clarifying and interactional skills.

Prerequisite: MSWK 6680

MSWK 6790 Field Practicum II (3 Days per Week)6 Credits

A practicum focusing on clinical social work with individuals, families, and groups or on social administration and the preparation of the student for responsible ethical practice as a social work administrator.

Prerequisite: MSWK 6690

MSWK 6791 Field Practicum III (3 Days per Week)6 Credits

A continuation of MSWK 6790. This course is a practicum focusing on clinical social work with individuals, families, and groups or on social administration and the preparation for ethical practice as a social work administrator.

Prerequisite: MSWK 6790

MSWK 6805 Integrative Seminar3 Credits

An integrative seminar serving as the capstone course and designed to facilitate and insure the integration of social work methods and the application of these methods in varying field of practice with appropriate under girding of social work values. A product of the teaching/learning milieu is a research project which serves as evidence that students are ready for autonomous practice.

Prerequisite: MSWK 6750 or 6780

MSWK 7340 Working with Difficult Children**and Adolescents: Special Treatment Issues3 Credits**

Elective course addresses the problems of treating children and adolescents with severe behavioral problems by presenting a family-based model that articulates how to engage the uncooperative child or adolescent in the treatment using age appropriate strategies.

PADM 6833 Management of Human Resources3 Credits

A comprehensive study of the organization, techniques, and theories of personnel management. The emphasis is on human resource management and its role as a force in addressing the issues of social responsibility and economic equity. Topics include changing composition of the public service work force, affirmative action, comparable worth, position qualification, education and training needs, unions, collective bargaining, and rights of public employees.

PADM 6834 Public Budgeting and Finance3 Credits

A systematic and comprehensive exploration of the theory and practice of public finance in state and local governments. It examines how federal, state and local governments get and spend money. Students develop skills in preparing, managing, and analyzing capital and operating budgets, and using analytical techniques that aid budgetary decision-making.

PADM 6843 Management and Leadership Behavior3 Credits

An in-depth focus on skills, knowledge, and abilities of the manager or leader in the public organization. Emphasis is on written, oral, and listening communication skills, conflict resolution, and management of organizational resources.

Prerequisite: PADM 6830 or permission of the instructor.

PADM 6860 African-American Administrators in**Urban Bureaucracy and Public Policy 3 Credits**

An exploratory course that looks at the contributions and issues facing African-American public administrators in historical and contemporary contexts. Special emphasis is on administrative behavior and style, value orientations, and role expectations, conflicts, and demands.

Cross-listed as MSUS 8866

PADM 6861 Public Program Evaluation3 Credits

An examination of theory and methods of public program evaluation and the politics of program evaluation. Focus is on acquisition of skills in conducting program evaluation, including research design, selecting social indicators, conducting the study, and report writing.

Prerequisite: PADM 6838 or permission of the instructor

PUBLIC ADMINISTRATION

PADM 6829 American National Government 3 Credits

An examination of the governing process in the United States of America. The focus is the federal system, constitutional checks and balances, and problems arising out of the processes of conflict and conflict resolution primarily at the national level between the president, Congress, the federal bureaucracy, political parties, and interest groups. (If this course is taken to meet the prerequisite for a course in American National government, it will not count towards the 36 hours for the degree.)

**PADM 6830 History, Scope, and Practice
of Public Administration 3 Credits**

An examination of the study and practice of public administration in the United States. It provides a historical account of the evolution and development of the field of public administration as a discipline and a profession.

Cross-listed as MSUS 8861.

(Required of all degree candidates in their first semester of course work.)

PADM 6831 Ethics for Public Administrators 3 Credits

An exploration of the legal, political, professional, and organizational accountability demands made on administrators and their relationship to ethical decision-making and ethical integrity. The emphasis is on the requirements for ethical behavior and accountability in a democratic society.

PADM 6832 Organizational Theory 3 Credits

A study of formal structure, internal workings, and external environment of complex human behavior within organizations. Surveys classical to contemporary theories of human organization. Emphasis is on the impact of formal and informal structures and processes on the performance of public organizations.

PADM 6833 Management of Human Resources 3 Credits

A comprehensive study of the organization, techniques, and theories of personnel management. The emphasis is on human resource management and its role as a force in addressing the issues of social responsibility and economic equity. Topics include changing composition of the public service work force, affirmative action, comparable worth, position qualification, education and training needs, unions, collective bargaining, and rights of public employees.

PADM 6834 Public Budgeting and Finance 3 Credits

A systematic and comprehensive exploration of the theory and practice of public budgeting and finance in state and local governments. It examines how federal, state and local governments get and spend money. Students develop skills in preparing, managing, and analyzing capital and operating budgets, and using analytical techniques that aid budgetary decision-making.

Cross-listed as MSUS 8862

PADM 6835 Local Government Administration 3 Credits

An examination of local governmental structures, forms, functions, revenue sources, and economic development issues and alternatives available to encourage more effective administration to meet public and private demand. Emphasis is on resource constraints and fiscal limitations.

Prerequisite: PADM 6829 or undergraduate equivalent

PADM 6836 State Government Administration3 Credits
 An examination of state government structures, functions, revenue sources, economic development issues, and alternatives available to encourage more effective administration to meet public and private demands. Topics include the place and role of state governments within the federal system and their limitations in the procurements, development, and allocation of resources to meet public demands.

Prerequisite: IDM 6829 or undergraduate equivalent.

Cross-listed as MSUS 8803

PADM 6837 Intergovernmental Relations3 Credits
 An examination of the interaction of federal, state, and local political systems in the development of public policy. Focus is on the reciprocal influences of local, state, and federal bureaucracies, the grant-in-aid system, revenue sharing, and federal, state, and local policy-making. Roles and responsibilities of federal, state, regional, and local systems are examined from the theoretical and practical perspectives. The course is oriented to urban governments and their interactions with other levels of government.

Prerequisite: PADM 6829 or undergraduate equivalent

PADM 6838 Introduction to Public Policy3 Credits
 An introduction to the study of public policy, including theories of public policy and public choice theory. Focus is on understanding the public policy process at national, state, and local governmental levels.

Cross-listed as MSUS 8864

PADM 6839 Statistical Applications in Public Administration . . . 3 Credits
 A practical discourse emphasizing the use of statistics, computers, and software applications in applied research problems in public administration. A primary goal of this course is the development of basic statistical competency, utilizing problems and cases pertinent to public administrators. The statistical basis of hypothesis testing is covered using both descriptive and inferential statistics, including frequency distribution, central tendency, variability, nonparametric and contingency analysis, multivariate analysis and correlation, analysis of variance, probability, and regression.

Prerequisite: Undergraduate course in statistics.

PADM 6840 Research Methods3 Credits
 A systematic treatment of research as a practical skill for policy analysis, needs assessment, and program evaluation. Emphasis is placed on data sources and data gathering, research models, and research design. This course explores the concepts of measurement, questionnaire design, sampling, hypothesis formulation, coding, quantification of data, conceptual and operational definitions, computer-aided data analysis using statistical packages, and report writing. Students must design and conduct a major research project using the skills acquired.

PADM 6843 Management and Leadership Behavior3 Credits
 An in-depth focus on skills, knowledge, and abilities of the manager or leader in the public organization. Emphasis is on written, oral, and listening communication skills, conflict resolution, and management of organizational resources.

Prerequisite: PADM 6830 or permission of the instructor.

PADM 6844 Seminar in Public Policy Analysis3 Credits
 An examination of selected public policies and the effects on urban governments using models, theories, approaches, and techniques to analyze public policies. Emphasis is on the policy dimensions of urban systems and their relationship to the social, political, and economic context.

Prerequisite: PADM 6838 or permission of the instructor

PADM 6845 Urban Policy and Administration 3 Credits
 An in-depth probe of the administrative, political, and organizational issues of metropolitan governments. It examines various forms of metropolitan governments, the impact of structure on administration and policy, and major issues of metropolitan governments in the federal system.

Prerequisite: PADM 6838 or permission of the instructor

PADM 6846 Administrative Law 3 Credits
 An examination of the place of law in the formation, articulation, and enforcement of public policy. Emphasis is on the study of the legislative, judicial, and general policy-making powers of administrative agencies and regulatory commissions, including the procedures for judicial review and administrative action.

PADM 6847 Seminar in Constitutional Law 3 Credits
 Seminar examines the evolution of federal and state constitutional law and the relationship to public agencies.

PADM 6848 Contemporary Issues in Public Administration 3 Credits
 Focuses on current issues in public administration and an examines the historical and future implications of these issues. Skills are developed in information searches, maintaining currency in the literature of the field and professional areas, and identifying state-of-the art programs and approaches to administrative issues.

PADM 6850 Computer Applications in Public Administration . . . 3 Credits
 An introduction to the use of selected software to examine problems in public administration and public policy, with an emphasis on data bases, spreadsheets, and statistical and desktop publishing programs for microcomputers. In this course, students acquire competency in managing information as an organizational resource.

PADM 6851 Social Welfare Policy, Planning, and Administration .3 Credits
 A comprehensive survey and analysis of the historical and contemporary issues of social welfare policy-making in the United States and the role of federal, state, and local governments and nonprofit agencies in formulating, funding, and administering social programs.

PADM 6852 Criminal Justice Administration 3 Credits
 Course surveys the philosophical, legal, sociological, and political aspects of criminal justice administration at the state and local levels. Emphasizes the role of the federal, state, and local governments in formulating, implementing, and evaluating criminal justice systems.

PADM 6853 Public Service Internship (Pre-service) 5 Credits
 An educational experience requiring students to complete a 300-hour field internship and a major internship paper for which students receive 5 semester credit hours. This course is designed to supplement and reinforce classroom experience by providing students with opportunities to work as participant-observers in governmental and nonprofit agencies.

PADM 6854 Public Service Internship (In-service) 2 Credits
 Students designated as in-service will enroll in this course while completing their major internship paper. They are exempt from the 300-hour work requirement.

PADM 6855 Special Topics in Public Administration 3 Credits
 Topical study of current approaches and issues in public management, including conflict resolution, problem solving, information management, benchmarking, and other emerging innovations in the field and practice of public administration practice.

PADM 6856 Comparative Public Administration3 Credits
Examines comparative approaches to the practice of public administration in the Western and Non-Western world. Public bureaucracies and public policies demonstrate the impact of diverse cultural, historical, legal, and political contexts.

PADM 6857 Directed Readings and Research3 Credits
A supervised reading course in selected fields within public administration. Limited to materials not being covered in a course offered during the same semester.
Prerequisite: Permission of the instructor

PADM 6858 Seminar in Cultural Diversity3 Credits
An exploration of the historical and legal foundations for equal opportunity in employment in the public sector and examines the role of cultural difference in the organization. Focus is on managing the diverse work force.
Prerequisite: PADM 6833 or permission of the instructor

PADM 6859 Legislative Behavior3 Credits
Focuses on the legislative bodies in the American federal system and their interactions with the executive and judicial branches. This course also examines the impact of legislative units on public administrators and the conduct of their work.

PADM 6860 African-American Administrators in Urban Bureaucracy and Public Policy 3 Credits
An exploratory course that looks at the contributions and issues facing African-American public administrators in historical and contemporary contexts. Special emphasis is on administrative behavior and style, value orientations, and role expectations, conflicts, and demands.
Cross-listed as MSUS 8866

PADM 6861 Public Program Evaluation3 Credits
An examination of theory and methods of public program evaluation and the politics of program evaluation. Focus is on acquisition of skills in conducting program evaluation, including research design, selecting social indicators, conducting the study, and report writing.
Prerequisite: PADM 6838 or permission of the instructor

PADM 6862 Public Policy Implementation3 Credits
An examination of the way public administrators manage substantive public policy issues, such as housing, social welfare, and education. The focus is on the organizational factors and political issues affecting policy implementation.
Prerequisite: PADM 6838 or permission of the instructor

PADM 6863 Collective Bargaining in the Public Sector3 Credits
An examination of different concepts regarding collective bargaining in the public sector. It includes the historical context of labor relations, collective bargaining process, analysis of issues such as public employee strikes, mediation, fact finding, and arbitration, as well as state and local government employee unionization.
Prerequisite: PADM 6833 (only for students selecting the Human Resource concentration)

PADM 6864 Public Policy Formation3 Credits
An examination of how public policy is formulated at various levels of government in the United States.
Prerequisite: PADM 6838 or permission of the instructor

PADM 6865 Special Topics in Public Policy3 Credits
A focus on selected topics in substantive policy issues.

PADM 6869 Decision Sciences 3 Credits
 An introduction to the application of decision-making technologies such as, decision making software (DMS), geographical information systems and software (GIS), and general decision support systems (DSS), to the public sector.

**PADM 6870 Rights and Basic Needs
 of Public Sector Employees 3 Credits**
 An in-depth analysis of the rights and needs of government employees, including political participation, employment, and privacy on the job. Focus is also on the off-duty rights of public employees concerning issues of drug testing or sexual behavior.
Prerequisite: PADM 6833 (for students selecting the Human Resource concentration)

PADM 6871 Organization Behavior 3 Credits
 A study of individual behavior, interpersonal relations, group interactions, and the interplay of human and nonhuman factors. Focus is on the application of theoretical concepts to the practice of public organizations.
Cross-listed with MSUS 8862

PADM 6872 Human Resource Training and Development 3 Credits
 Seminar prepares students to assess training and development problems in public and non-profit agencies and prescribe appropriate interventions, including training, discipline, job redesign, and new reward systems.
Prerequisite: PADM 6833 or permission of the instructor

PADM 6873 Strategic Planning and Public Administrators 3 Credits
 A course introducing theories and approaches to long term and short term planning. Focuses on integration of strategic planning into core functions of organizations in the public and non-profit sectors.

PADM 6874 Fast Track Internship Experience 1 Credit
 Students in the Fast Track program will enroll in the internship experience in the semester following receipt of the bachelor's degree. Students will complete a minimum of 150 hours in an approved internship.

PADM 6875 Comprehensive Examination Seminar 1 Credit
 Students will enroll in this course in the semester they plan to take the oral comprehensive examination.
Prerequisite: Completion of all core courses and the internship paper

HEALTH SERVICES ADMINISTRATION CONCENTRATION

HSCA 7620 Health Care Administration 3 Credits
 An analysis of current and prospective issues in health administration. The course includes the use of models and simulations for decision-making and control in health administration.

HSCA 7665 Health Care Strategic Marketing and Planning 3 Credits
 An in-depth study of the selling of health using education techniques from the point of view of social scientists and business and health professionals. The utilization of concepts of health into lifestyle is addressed, using the human development model.

HSCA 8630 Health Care Financial Management 3 Credits
 An overview of management and policy concepts and issues pertaining to health care facilities, personnel, and programs.

HSCA 8615 Legal and Ethical Environments of Health Care3 Credits
A study of the legal basis and ethical dimensions of health care decision-making. The course is designed to give students a philosophical underpinning to discussions of specific legal and ethical topics in health care.

HSCP 8700 Public Health Planning and Evaluation3 Credits
A study of the planning and evaluation of health programs in a variety of settings.

****This concentration is offered in collaboration with Armstrong Atlantic State University Master of Health Services Administration degree program.**

MASTER OF URBAN STUDIES

MSUS 8800 Global Urbanization3 Credits
Survey of economic, social, political and cultural aspects of global urban development since the 19th century. Emphasis on Africa, Asia, Latin America, and Europe. (3-0-3)

MSUS 8801 Classics of Urban Politics3 Credits
Study of early research and theoretical formulations that formed the basis for the contemporary study of the urban area. Relevant works of Weber, Malthus, Marx, and other social theorists will be studied. (3-0-3)

MSUS 8803 State and Local Government3 Credits
Comparative study of states, communities, and local governments, and their management of political conflict. Special emphasis placed on the impacts to urban areas. (3-0-3)

Cross-listed with SSU PADM 6835 Local Government Administration or PADM 6836 State Government Administration

MSUS 8804 Public Budgeting and Finance3 Credits
Study of how governments raise and spend money. Primary focus will be given to budgeting practices and fiscal administration by local governments. (3-0-3)

Cross-listed with SSU PADM 6834

MSUS 8806 Minority Group Politics3 Credits
A holistic exposition of the dynamics of minority groups within the American urban political experience. The course will address the historical role played by minorities in the evolution of U.S. urban politics. (3-0-3)

MSUS 8807 Historic Preservation3 Credits
Examination of the field including values, principles, practices, development of planning and organization for preservation, preservation law, economics and politics. (3-0-3)

Cross-listed with AASU PBHS 5830G Historic Preservation

MSUS 8808 Politics of Poverty3 Credits
Study of the nature and extent of poverty with particular attention to political factors that influence public policies. Case studies of selected issues will be explored. (3-0-3)

MSUS 8809 Policy Advocacy and Empowerment3 Credits
Study of effective tactics and strategies emerging in urban social change. Collective grassroots movements will be examined. (3-0-3)

MSUS 8810 History of American Urbanization3 Credits
Introduces causes, processes, and impacts of American urbanization from the colonial period to the present. Examines political, economic, social and cultural relations. (3-0-3)

- MSUS 8820 Methods of Urban Research 3 Credits**
 Introduces social research methods. Emphasis on statistics, design, data collection, computer applications, measurement, and analysis with a macro focus. (3-0-3)
Prerequisite: Undergraduate course in basic statistics.
- MSUS 8830 Introduction to Planning 3 Credits**
 Includes an applied research experience in community reconnaissance (community surveying) or program evaluation. (3-0-3)
Prerequisite: MSUS 8820.
- MSUS 8840 Computer Applications for
 Urban Information Systems 3 Credits**
 Introduces computer applications in urban and regional planning, including applications in geographical information systems (GIS), urban data base designs, digitizing procedures and computer graphics for measuring urban spatial organization. Includes defining economic regions, making population projections and employment forecasting. (3-0-3)
- MSUS 8850 Urban Fiscal and Policy Analysis 3 Credits**
 Provides a systematic study of the development, implementation, and evaluation of urban policies, with special emphasis on their fiscal impacts. Applies economic principles to the study of the role of government. (3-0-3)
- MSUS 8851 Seminar in Urban and Regional Planning 3 Credits**
 Includes a comprehensive analysis of the overall planning process and the use of master plans to guide the growth and development of cities and their surrounding regions; also, the role of planning in development, management and organization of metropolitan environments. (3-0-3)
- MSUS 8852 Urban Geography 3 Credits**
 Study the role geography plays in the structure and development of urban areas. Includes analysis of the rise, decline, and rebirth of cities, functional classification of cities, internal structure of urban areas, and theories of urban growth. (3-0-3)
- MSUS 8854 Housing and Community Development 3 Credits**
 Study of the methodology, techniques, and strategies utilized to assess housing conditions, housing supply and demand within urban communities. Examines strategic linkage between community preservation and stability and housing development. Includes emphasis on the concepts of citizen participation, self-directive, social advocacy planning and self-help in community revitalization efforts and case studies of current approaches involving innovative solutions. (3-0-3)
- MSUS 8855 Population Growth and Residential Development . . . 3 Credits**
 Examination of the link between population growth and residential development. Introduces techniques and procedures to quantify population trends and characteristics of residential growth and development. Includes practices of local, state and national governments in forming policies designed to project and monitor population movement planning residential development strategies. (3-0-3)
- MSUS 8856 Transportation and Urban Development 3 Credits**
 Study of the role of public and private transportation in the development of the modern city. Emphasis on the impact transportation has on urban social structures. (3-0-3)

MSUS 8857 Environmental Issues and Waste Disposal3 Credits
 Study of the specific problems of urban waste management and disposal. Addresses issues of source reduction, recycling, waste incineration, and land filling, as well as the social implications of the utilization of various energy sources and their associated waste disposal methods. (3-0-3)

MSUS 8860 Race, Ethnicity and Gender in Urban Development . . .3 Credits
 Examines the impact of race, ethnicity, and gender on the development of urban centers from sociological, socio-historical and socio-political perspectives. Focuses on the role of racism, ethnocentrism, sexism, oppression and economic exploitation on the plight of these groups. Emphasis on the consequences of the urbanization process on African-Americans in particular, other ethnic groups and women in general. (3-0-3)

**MSUS 8861 History, Scope and Practice
 of Public Administration3 Credits**
 Study of the organization and operation of government agencies, their role in policy making and implementation, the various concepts and theories pertaining to administrative behavior, and the performance of the basic tasks of management. (3-0-3)
 Cross-listed with PADM 6830

MSUS 8862 Organizational Theory3 Credits
 Examination of basic classical and contemporary theoretical approaches and issues in organizations. (3-0-3)
 Cross-listed with SSU PADM 6871

MSUS 8863 Industrial/Organizational Psychology3 Credits
 A survey of applications of psychological principles in private and public sector organizations and agencies. Topics include goal setting, power politics, work motivation, leadership and supervision, and modes of organizational communications. (3-0-3)
 Cross-listed with AASU PSYC 5210G

MSUS 8864 Introduction to Public Policy3 Credits
 An investigation of the major forces that influence the formulation, implementation, and administration of public policy. Emphasis on political aspects of policy formulation and the mobilization of political support. Theoretical principles will be applied to specific urban problems. (3-0-3)
 Cross-listed with SSU PADM 6838

MSUS 8865 Urban Policy and Administration3 Credits
 Probe into the administrative, political and organizational issues of metropolitan governments. Study of various forms of metropolitan governments, and major issues of these governments in federalism. (3-0-3)
 Cross-listed with SSU PADM 6845

**MSUS 8866 African-American Administrators in
 Urban Bureaucracy and Public Policy3 Credits**
 Exploratory course of the contributions and issues facing African-American urban public administrators. Emphasis on administrative behavior and style, value orientations, and role expectations. (3-0-3)
 Cross-listed with PADM 6860

MSUS 8867 Conflict Resolution3 Credits
 Emphasis on the identification of the major causes have organizational and group conflicts and their resolutions. Explores means to achieve harmony through organizational and group cultures, and managing conflict that arises from conflicting values. (3-0-3)

- MSUS 8870 Internship I (Pre-Service) 3 Credits**
 Students are assigned work with an urban agency offering professional experience in related career options. The student will work a minimum of twenty (20) hours per week under the joint supervision of the person designated by the agency and the faculty internship coordinator. Assignment is designed to enhance the student's knowledge and skills. Students will complete a written project related to the work experience. (3-0-3)
- MSUS 8875 Internship II (In-Service) 3 Credits**
 Advanced internship requiring proficiency from students who have successfully completed Internship I or are in-service. Joint supervision continues. Students will be expected to perform assigned tasks independently. Students will complete a written project related to the work experience. (3-0-3)
- MSUS 8880 Master Thesis 6 Credits**
 Advisement and completion of Thesis project.
- MSUS 8883 Drugs, Alcohol, and Crime 3 Credits**
 Exploration of pharmacological effects and medical uses of drugs and alcohol, the relationships between drugs and crime, the criminal justice system and government crime control policy. (3-0-3)
Cross-listed with AASU CRJU 5520
- MSUS 8885 Juvenile Delinquency 3 Credits**
 Theories of juvenile delinquency, emphasizing sociological, biological and psychological factors. Modern trends and prevention. (3-0-3)
Cross-listed with AASU CRJU 5530
- MSUS 8890 Pro-Seminar in Ethics and Criminal Justice 3 Credits**
 Analysis of the criminal justice process and its agencies from prevention and arrest to release after incarceration. Emphasizes ethical dimension of official decision-making. (3-0-3)
Cross-listed with AASU CRJU 8801
- MSUS 8891 Law Enforcement Problems and Practices 3 Credits**
 Current issues of policing and police administration. Emphasizes police-society relationships, including those related to minorities, police unionization and corruption. (3-0-3)
Cross-listed with AASU CRJU 8820
- MSUS 8892 Seminar in Juvenile Justice Administration 3 Credits**
(Cross listed with AASU CRJU 8850)
 Assessment of the policies and practices of agencies processing youthful offenders. Focus on impact of changing demographics on the process and system of juvenile justice. (3-0-3)
- MSUS 8894 Institutional Incarceration and Treatment 3 Credits**
 Theory, purposes and practices of correctional institutions; gangs, AIDS and other problems in control treatment. (3-0-3)
Cross-listed with CRJU 8840
- MSUS 8895 Community Treatment and Services 3 Credits**
 Probation and other community alternatives to incarceration, their feasibility and effectiveness. (3-0-3)
Cross-listed with CRJU 8840

MSUS 8896 Seminar in Law and Social Control3 Credits
Jurisprudential paradigms, societal norms and sanctions, and prescriptive moral frameworks. (3-0-3)

Cross-listed with AASU CRJU 8831

MSUS 8897 Topics in Law and Courts3 Credits
In-depth analysis of selected topics in the role and operation of law and courts in a system of ordered liberty. (3-0-3)

Cross-listed with AASU CRJU

UNIVERSITY SYSTEM OF GEORGIA

BOARD OF REGENTS

Officers

Administrative Staff

UNIVERSITY PERSONNEL

Savannah State University Administrative Officers

Savannah State University Support Services

College of Business Administration

College of Liberal Arts and Social Sciences

College of Sciences and Technology

Graduate Studies

Faculty

UNIVERSITY SYSTEM OF GEORGIA

The University System of Georgia includes all state-operated institutions of higher education in Georgia — 19 universities, 2 four-year colleges, and 13 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. Appointment of board members - five from the state-at-large and one from each of the state's eleven congressional districts - are made by the governor, subject to confirmation by the State Senate. Regular terms of board members are seven years.

The chairman, the vice chairman, 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, and research.

Instruction consists of programs of study leading toward degrees, ranging from the associate (two-year) level to the doctoral level, and certificates.

Requirements for admission of students to instructional programs at each institution are determined, pursuant to policies to 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, four-year colleges, and two-year colleges. This curriculum requires 60 semester credit hours, including 48 in general education — humanities, mathematics and natural sciences, and social sciences — and 18 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 of non-degree activities, primarily, 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. 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 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 four-year and two-year colleges.

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

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

The advisory council consists of the chancellor, the vice chancellor, and all presidents as voting members, and it includes other officials and staff members of the institutions as nonvoting members. The advisory council's 21 academic committees and 13 administrative committees are made up of representatives from the institutions. The committees dealing with matters of university-system-wide application include, typically, at least one member from each institution.

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Savannah State University Support Services

College of Business Administration

College of Liberal Arts and Social Sciences

College of Sciences and Technology

Graduate Studies

Faculty

UNIVERSITY PERSONNEL

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Associate Dean	W. Jan Jankowski B.B.A., Accounting, Armstrong Atlantic State University; J.D. Law, Emory University School of Law

COLLEGE OF LIBERAL ARTS AND SOCIAL SCIENCES

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Social Work Department Acting Chair	James Maury B.S., M.S.W., Social Work, University of Alabama (1973); D.S.W., Social Work, Catholic University of America (1982)
Department of Political Sciences/Public Administration Chair	Zaphon Wilson B.A., Political Science, Appalachian State University M.A., Political Science Concentration in Public Administration, Appalachian State University Ph.D., American Government and Politics, Public Administration Theory and Methodology and Urban Politics, The Atlanta University
Social and Behavioral Sciences Department Chair	Larry Stokes B.S. and M.S.C. J., University of Tennessee at Chattanooga, Ph.D. Howard University

COLLEGE OF SCIENCES AND TECHNOLOGY

Dean (Acting)	Kuppuswamy Jayaraman B.E., Civil Engineering, Sri Venkateswara University; M.sc., Public Health Engineering, University of Madras Ph.D., Environmental Engineering, Ernst-Moritz-Arndt University
Natural Sciences & Mathematics Department Chair (Acting)	Harpal Singh B.S., M.S., Punjab University, M.P.H, Ph.D., University of Tennessee
Engineering Technology Department Chair	Kuppuswamy Jayaraman B.E., Civil Engineering, Sri Venkateswara University; M.sc., Public Health Engineering, University of Madras Ph.D., Environmental Engineering, Ernst-Moritz-Arndt University
Naval Science (NROTC) Department Chair	CAPT Robert L. Ford, USN B.S., Biology Science, Southern University and A&M College; M.A., Salve Regina College; M.A., Foreign Affairs, Naval War College
Military Science (AROTC) Department Chair	LTC James E. Handley B.S. Sociology, North Georgia College

GRADUATE STUDIES

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Callaway Professor

Distinguished Chair	Jerome Wright B.A., M.L.S., University of California, Berkeley; M.A., San Francisco State University; M.S.W., California State University, Ph.D., Harvard University
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FACULTY

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