Savannah State University

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University Catalog 2016-2017

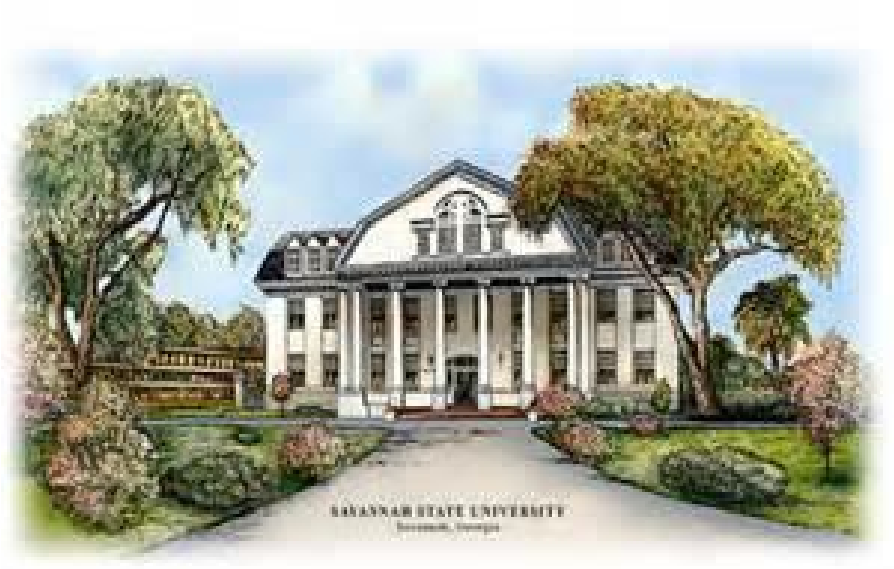
The 2016-2017 catalog was used for the 2017-2018 academic year.

Savannah, Georgia 31404

Special Notice

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 for 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 based on sex, race, age, religion, handicap, or national origin in employment, admissions, or activities.



University System of Georgia

The University System of Georgia operates 28 public institutions that 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.

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 of the Board of Regents, by the institution. The Board establishes minimum academic standards and leaves to each institution the prerogative to establish higher standards. Applications for admission should be addressed in all cases to the institutions.

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

The University System Advisory Council 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 academic committees and 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.

Savannah State University Personnel

Administrative Officers/Cabinet Members

President
Cheryl D. Dozier
B.A., Fairleigh Dickinson University
M.S.W., Atlanta University
D.S.W., Hunter College of CUNY, New York

Legal & Governmental Relations
Joseph J. Steffen, Jr.
B.A., Wake Forest University
J.D., Marshall-Wythe School of Law College of William & Mary

Provost and Vice President for Academic Affairs
Clarissa Myrick-Harris
B.A., Morris Brown College
M.A., Ohio State University
Ph.D., Emory University

Interim Associate Provost for Academic Affairs
Lisa Yount
B.S., Ball State University
M.A., the University of Oregon
Ph.D., The University of Oregon

Vice President for Business & Financial Affairs
Edward Jolley
B.S., Morgan State University
M.B.A., Regis University

Vice President for Student Affairs
F. Carl Walton
B.A., Morris Brown College
M.S., Purdue University
Ph.D., Purdue University

Vice President for University Advancement
Phillip D. Adams
B.A., Saint Leo University
M.S., Golden Gate University

COS –Chief of Staff
David Smith
B.S., University of the State of New York
MBA, Embry-Riddle Aeronautical University
Ph.D., Georgia State University

CIO – Chief Information Officer
Mable Moore
B.S., Louisiana State University
M.S., Southern University, Baton Rouge
Ph.D., University of Texas at Austin

Director of Internal Audit & Advisory Services
Elaine Shavers Campbell
B.A., Clark Atlanta University
M.B.A., Savannah State University
M.A.C., Georgia Southern University

Director of Institutional Research, Planning & Assessment
Vacant

Director of Title III
Dedra Andrews
B.B.A., Savannah State University
M.A., Webster University

Director of Athletics
Sterling Steward Jr.
B.A., M.A., University of Southern Mississippi

Accreditation

Savannah State University is accredited by the Commission on Colleges of the Southern Association of Colleges and Schools to award the associate, baccalaureate and master's degrees. Contact the Commission on Colleges at 1866 Southern Lane, Decatur, Georgia 30099-4097 or call (404)-679-4501 for questions about the accreditation of Savannah State University.

Savannah State University has also earned the following specialized accreditations:

Bachelor of Social Work and Master of Social Work - Accredited by the Council on Social Work Education (CSWE),

Civil Engineering Technology - Accredited by the Engineering Technology Accreditation Commission of ABET,

Electronics Engineering Technology - Accredited by the Engineering Technology Accreditation Commission of ABET,

College of Business Administration - Accredited by the Association to Advance Collegiate Schools of Business (AACSB) International,

Mass Communications - Accredited by the Accrediting Council on Education in Journalism and Mass Communications (ACEJMC),

Master of Public Administration - Accredited by the National Association of Schools of Public Affairs and Administration (NASPAA),

School of Teacher Education Certification Programs – Accredited by the Georgia Professional Standards Commission (GaPSC)

Certification:

Chemistry - Approved by the Committee on Professional Training of the American Chemical Society.

The Behavior Analyst Certification Board, Inc.® has verified the following course sequence (BEHV 3103, BEHV 3104, BEHV 3105, BEHV 3117, and BEHV 3740) as meeting the coursework requirements for eligibility to take the Board Certified Assistant Behavior Analyst Examination®. Applicants will have to meet additional requirements to qualify.

Academic Calendar

FALL 2016 FULL SEMESTER August 11–December 1, 2016		
August 1, 2016	Faculty Return to Campus	Monday
August 2-3, 2016	Fall General Assembly	Tuesday-Wednesday
August 4, 2016	College/School & Department Meetings	Thursday
August 5, 2016	Assessment Day	Friday
August 8-10, 2016	Advisement/Registration	Monday-Wednesday
August 11, 2016	First day of classes	Thursday
August 11-17, 2016	Late registration and drop/add	Thursday-Wednesday
August 18-24, 2016	Instructor Approved Even Course Exchange	Thursday-Wednesday
August 25, 2016	Deadline for Verification of Course Attendance (NA Report) by 5:00 PM *Required for ALL Faculty for ALL Classes*	Thursday
September 5, 2016	Labor Day (University Closed)	Monday
September 19, 2016	General Faculty Meeting	Monday
September 26-October 1, 2016	Mid-Term Exams	Monday-Saturday
October 4, 2016	Mid-Term grades due by 5:00 PM	Tuesday
October 12, 2016	Last day to drop/withdraw w/o academic penalty	Wednesday
October 13-14, 2016	Fall Break	Thursday-Friday
November 10, 2016	Founders Day	Thursday
November 23, 2016	Thanksgiving Break (No classes)	Wednesday
November 24-25, 2016	Thanksgiving Holiday (No classes, Admin. Offices closed)	Thursday-Friday
December 1, 2016	Last day of classes	Thursday
December 2, 2016	Student Reading/Study Day (no assignments, no exams, no classes) & Faculty/Staff Assessment Day	Friday
December 3-9, 2016	Final Exams	Saturday-Friday
December 5, 2016	Final Exam for Seniors	Monday
December 6, 2016	Graduating Senior grades due by 5:00 PM	Tuesday
December 8, 2016	Graduate Hooding Ceremony	Thursday
December 9, 2016	Commencement Rehearsal	Friday
December 9, 2016	Commissioning Ceremony	Friday
December 10, 2016	Commencement	Saturday
December 13, 2016	Final grades for Continuing Students due by 5:00 PM	Tuesday
December 26-30, 2016	Winter Break (Administrative Offices Closed)	Monday-Friday

FIRST MINI-MESTER August 11–October 3, 2016		
August 1, 2016	Faculty Return to Campus	Monday
August 2-3, 2016	Fall General Assembly	Tuesday-Wednesday
August 11, 2016	First day of classes	Thursday
August 11-12, 2016	Late registration and drop/add	Thursday-Friday
August 15-16, 2016	Instructor-Approved Even Course Exchange	Monday-Tuesday
August 18, 2016	Deadline for Verification of Course Attendance (NA Report) by 5:00 PM *Required for ALL Faculty in ALL Mini-Sem Classes*	Thursday
September 9, 2016	Mid-Term grades due by 5:00 PM	Friday
September 13, 2016	Last Day to Drop Without Academic Penalty	Tuesday
September 19, 2016	General Faculty Meeting	Monday
October 1, 2016	Last day of classes	Saturday
October 3, 2016	Final Exams	Monday
October 10, 2016	Final grades for Continuing Students due by 5:00 PM	Monday

SECOND MINI-MESTER October 6–December 1, 2016		
October 6, 2016	First day of classes	Thursday
October 6-7, 2016	Late registration and drop/add	Thursday-Friday
October 10-11, 2016	Instructor Approved Even Course Exchange	Monday-Tuesday
October 12, 2016	Deadline for Verification of Course Attendance (NA Report) by 5:00 PM *Required for ALL Faculty in ALL Mini-Sem Classes*	Wednesday
October 13-14, 2016	Fall Break (No classes)	Thursday and Friday
October 28, 2016	Mid-Term grades due by 5:00 PM	Friday
October 31, 2016	Last Day to Drop Without Academic Penalty	Monday
December 1, 2016	Last day of classes	Thursday
December 2, 2016	Student Reading/Study Day (no assignments, no exams, no classes) & Faculty/Staff Assessment Day	Friday
December 5, 2016	Final Exams	Monday
December 6, 2016	Graduating Senior grades due by 5:00 PM	Tuesday
December 13, 2016	Final grades for Continuing Students due by 5:00 PM	Tuesday

SPRING 2016 FULL SEMESTER – January 10 –April 29, 2017		
January 2, 2017	University Holiday	Monday
January 3, 2017	Faculty and Staff Return to Campus	Tuesday
January 4, 2017	Spring General Assembly	Wednesday
January 5, 2017	College/School, Department, & Assessment Meetings	Thursday
January 6&9, 2017	Advisement and Registration	Friday and Monday
January 10, 2017	First day of classes	Tuesday
January 10-17, 2017	Late registration and drop/add	Tuesday-Tuesday
January 16, 2017	Martin Luther King, Jr. Holiday (no classes/offices closed)	Monday
January 17-24, 2017	Instructor Approved Even Course Exchange	Tuesday-Tuesday
January 23, 2017	Deadline for *Verification of Course Attendance (NA Report) by 5:00 PM *Required for ALL Faculty in ALL Classes*	Monday
February 21, 2017	General Faculty Meeting	Tuesday
February 23-March 1, 2017	Mid-Term Exams	Thursday-Wednesday
March 3, 2017	Mid-Term grades due by 5:00 PM	Friday
March 6-10, 2017	Spring Break	Monday-Friday
March 13, 2017	Last Day to Drop Without Academic Penalty	Monday
April 6, 2017	Honors Convocation	Thursday
May 2, 2017	Last day of classes	Tuesday
May 3, 2017	Student Reading/Study Day (no assignments, no exams, no classes) & Faculty/Staff Assessment Day	Wednesday
May 4, 2017	Final Exams for Seniors	Thursday
May 5, 2017	Graduating Senior grades due by 5:00 PM	Friday
May 4-10, 2017	Final Exams	Thursday-Wednesday
May 11, 2017	Graduate Hooding Ceremony	Friday
May 12, 2017	Commencement Rehearsal	Thursday
May 12, 2017	Commissioning Ceremony	Friday
May 13, 2017	Commencement	Saturday
May 16, 2017	Final grades due for Continuing Students by 5:00 PM	Tuesday

FIRST MINI-MESTER – January 10 – March 1, 2017		
January 2, 2017	University Holiday	Monday
January 3, 2017	Faculty and Staff Return to Campus	Tuesday
January 4-5, 2017	Spring General Assembly	Wednesday-Thursday
January 5, 2017	College/Department Meetings	Thursday
January 6&9, 2017	Advisement and Registration	Friday and Monday
January 10, 2017	First day of classes	Tuesday
January 10-11, 2017	Late registration and drop/add	Tuesday-Wednesday
January 12-13, 2017	Instructor-Approved Even Course Exchange	Thursday-Friday
January 16, 2017	Martin Luther King, Jr., Holiday (no classes/offices closed)	Monday
January 19, 2017	Deadline for *Verification of Course Attendance (NA Report) by 5:00 PM *Required for ALL Faculty in ALL Mini-Sem Classes*	Thursday
February 3, 2017	Mid-Term grades due by 5:00 PM	Friday
February 6, 2017	Last Day to Drop Without Academic Penalty	Monday
February 21, 2017	General Faculty Meeting	Tuesday
March 1, 2017	Last day of classes	Wednesday
March 2, 2017	Final Exams	Thursday
March 9, 2017	Final grades due for Continuing Students by 5:00 PM	Thursday

SECOND MINI-MESTER – March 13 –May 2, 2017		
March 13, 2017	First day of classes	Monday
March 13-14, 2017	Late registration and drop/add	Monday-Tuesday
March 15-16, 2017	Instructor-Approved Even Course Exchange	Wednesday-Thursday
March 21, 2017	Deadline for *Verification of Course Attendance (NA Report) by 5:00 PM *Required for ALL Faculty in ALL Mini-Sem Classes*	Tuesday
April 6, 2017	Mid-Term grades due by 5:00 PM	Thursday
April 10, 2017	Last Day to Drop Without Academic Penalty	Monday
May 2, 2017	Last day of classes	Tuesday
May 3, 2017	Student Reading/Study Day (no assignments, no exams, no classes) & Faculty/Staff Assessment Day	Wednesday

May 4, 2017	Final Exams	Thursday
May 9, 2017	Graduating Senior grades due by 5:00 PM	Tuesday
May 16, 2017	Final grades due for Continuing Students by 5:00 PM	Tuesday

Purpose and Goals of the University

Mission Statement:

Savannah State University, the oldest public historically black university in the State of Georgia, develops productive members of a global society through high quality instruction, scholarship, research, service, and community involvement.

The University fosters engaged learning and personal growth in a student-centered environment that celebrates the African American legacy while nurturing a diverse student body. Savannah State University offers graduate and undergraduate studies including nationally accredited programs in the liberal arts, the sciences and the professions.

Overview of Savannah State University

Savannah State University was founded when the Georgia General Assembly passed enabling legislation 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 vocation of Booker T. Washington, and the model of the New England College espoused by Richard R. Wright, Sr., because 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 supervisor 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.

The motto, “Our Legacy—Our Future,” fuels the University’s passion to fulfill our Strategic Plan Initiative for 2014 – 2020. There are five primary priorities: Academic Engagement and Achievement, Community and Economic Development; Global Education Experiences; Sustainability and Resources; and Technological Competitiveness. University leadership is committed to advancing student knowledge by implementing diverse academic programs that allow for creative inquiry and the utilization of student life experiences. Students will gain valuable leadership experience through community projects and workforce development while the University cultivates local partnerships and alliances. Moreover, the expansion of international partnerships will allow more students to study abroad. A pillar of SSU’s legacy remains its focus on the development of the whole student through intellectual engagement, discovery, and reflection while offering first-class instruction on safety, privacy, health and wellness. Finally, the University embraces technologically-advanced living and learning environments to include current and emerging distance learning technologies.

Presidents

Richard R. Wright
1891-1921

Cyrus G. Wiley
1921-1926

Benjamin F. Hubert
1926-1947

James A. Colston
1947-1949

William K. Payne, Ph.D., Acting
1949-1950

William K. Payne, Ph.D.
1950-1963

Howard Jordan, Ph.D.
1963-1971

Prince A. Jackson, Jr., Ph.D.
1971-1978

Clyde W. Hall, Ph.D., Acting
1978-1980

Wendell G. Rayburn, Ph.D.
1980-1988

Wiley S. Bolden, Ph.D., Acting
1988-1989

William E. Gardner, Jr., Ph.D.
1989-1991

Annette K. Brock, Ph.D., Acting
1991-1993

John T. Wolfe, Ph.D.
1993-1997

Carlton E. Brown,Ed.D.
1997-2006

Julius S. Scott, Ph.D., Interim
January-July 2007

Earl G. Yarbrough, Sr., Ph.D.
2007-2011

Cheryl D. Dozier, DSW, Interim
2011 – 2012

Cheryl D. Dozier, DSW,
2012 -- Present

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.

Nearby are historic and contemporary sea resort islands of St. Simons, Jekyll, and Hilton Head. 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 lifestyle 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 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 US Interstate 95 and east/west US Interstate 16. A beautiful, modern and convenient Savannah/Hilton Head International Airport makes the region accessible from anywhere in the USA.

Academic Information

Vice President and Provost

Division of Academic Affairs

Mission

Academic Affairs promotes excellence in teaching, scholarship, and service. The division fosters a student-centered learning environment grounded in a liberal education. Academic Affairs nurtures a community of learners committed to ethical behavior, intellectual curiosity, personal growth, accountability, and global involvement.

University Library

The Asa H. Gordon Library offers a variety and wealth of informational resources and services to the university community. The library ensures access to resources to serve both the research and academic needs of undergraduates, graduate students, and faculty through its collections of print and electronic journals, GALILEO databases (a project funded by the Board of Regents of the University System of Georgia), interlibrary loans, a reference collection, and archival materials that relate to Savannah State University's history.

The library houses and provides access to approximately 760,000 hard copies of books, e-books, bound and print periodicals, microforms, audio-visual items, more than 300 electronic databases, and various educational media materials. The library uses an integrated automated library system, which enables patrons to access the library's online public access catalog 24/7 to locate these materials. Most materials are available to check-out or electronically. SSU students, faculty, or staff may borrow library materials by presenting a valid SSU ID or an official picture ID at the Circulation Desk on the first floor of the library. While overdue fines are not charged, materials checked out to a patron are his/her responsibility. Fees for lost materials must be paid in full in order for students to register, receive grades, borrow library/audio-visual materials, and graduate.

Hard copies of archival materials must be used in the library; full text of many of the Special Collection documents have been digitized and are available electronically in the SSU Digital Archives or Scholar Tiger Commons. All researchers are asked to abide by the Archives' Access and Use Policy.

The library is centrally located within close proximity to all instructional facilities on campus. Access to the library is provided through two main ground level entrances. The east entrance is ADA accessible and is equipped with an entrance ramp and an automatic door. The library has both quiet and collaborative study spaces. There are 12 study rooms, 4 conference rooms and a presentation area. A café, located on the first floor, is equipped with a microwave, tables, and snack machines is available to students.

One hundred and five computers are available for students to use in the library including in study and conference rooms, reference area, and classrooms. The computers, which have Internet access and printing capabilities, are set up with software and databases to enable students to complete assignments and conduct research.

In addition to its resources and collections, the library also offers services and programs designed to benefit the faculty, staff, and students of Savannah State University. Through interlibrary loan, with both University System of Georgia institutions and other institutions and libraries across the nation, SSU students, faculty, and staff may obtain materials that are not owned by the library. Patrons are assisted in their research at the library's reference/information desks or by virtually using telephone, email, chat, or text messaging.

One of the most important services offered by the library is formal library instruction. Formal library instruction is conducted by certified library faculty who act as liaison librarians to the departments or colleges of the university. Liaison librarians are faculty members who hold a Master of Library Science (MLS) degree and, in most cases, either a master's or bachelor's degree in their liaison area. Instruction is designed in collaboration with teaching faculty to provide students with an opportunity to explore and integrate information resources and encourages them to think critically about information sources. These instruction sessions are scheduled at the request of the teaching faculty.

Assessment of the library is done in a variety of ways, including annual surveys, and improvements in services are done based on assessment results.

UNIVERSITY COLLEGE/CENTER FOR ACADEMIC SUCCESS

Higher Levels of Achievement - Greater Levels of Success

The University System of Georgia Board of Regents designates Savannah State University as an access institution. Because of this designation, the University is charged with providing an opportunity for individuals to earn a college degree who may have difficulty entering college because of various cultural, psycho-social and socio-economic issues, which have been shown to have a direct impact on their level of educational ability to attain a college degree.

The creation of Savannah State University's University College (UC) is predicated on the access component of the mission of Savannah State University. The focus of UC and the services provided by the Center for Academic Success (CAS) are directly connected. These two entities support enrollment growth, retention and persistence goals of the University.

UC/CAS provides comprehensive academic support classes, services and resources specifically designed to enhance student academic achievement and success. Resources provided include professional academic advisement and mentoring, academic coaching, testing, and tutoring services.
UC/CAS assists students in developing a roadmap for success as they pursue their personal and academic goals at Savannah State University.

In addition, UC/CAS addresses college readiness through its involvement in the oversight of Savannah State University's partnership with the Savannah Chatham County Public Schools' Early College program and the traditional dual enrollment programs for high school students taking college classes.

UC/CAS SUCCESS PROGRAMS AND SERVICES

Academic Advising

The Academic Advising program in CAS serves freshmen and sophomore students with up to 60 earned credit hours. Students are assigned to professional advisors according to their majors. These advisors assist with mentoring, course planning, registration, and academic goals to ensure academic success. Students can visit their professional academic advisors in Whiting Hall or call (912) 358-4491 for additional information or to make an appointment.

Academic Coaching

The Academic Coaches support CAS's focus on student progress and completion by providing case management, academic coaching, planning and support services to a cohort of students who enter the university at academic risk each year. In addition, the Academic Coaches assist with workshops and events, track student achievement, and assist with assessment of the program.

First Year Experience

The First Year Experience (FYE) course at Savannah State University builds a strong foundation for college success. The content of the course includes a wealth of information, resources, and support designed to help students become active learners and well-informed members of the University community. From setting goals to managing money, this course focuses on the knowledge and skills SSU students need to be successful members of the Tiger family. This course is required for all students as part of the general education core curriculum.

Testing

The Testing Office in the Center for Academic Success coordinates, administers, and reports on various tests within appropriate guidelines that support the academic and professional goals of students. Tests administered include the Law School Admission Test (LSAT), Scholastic Aptitude Test (SAT Reasoning and Subject), American College Test (ACT), the College Level Examination Program (CLEP), DANTES Test, COMPASS (inactive as of November 30, 2016), Accuplacer, and other tests to meet the needs of students. Test proctoring services are also available. For more information or to make an appointment, call (912) 358-4487, email at testing@savannahstate.edu or visit www.savannahstate.edu/testing.

A comprehensive description of the scope of services offered through the UC/ CAS website (http://cas.savannahstate.edu/default.htm).

Tutorial Services

Peer and professional tutors are provided free of charge for all SSU students in learning support and core curriculum subjects. Tutors for higher level and major courses are also available in Biology, Chemistry, Accounting, Finance and Statistics. Additional courses are added upon request from students and faculty. For more information or to make an appointment, call (912) 358-4476.

UNIVERSITY COLLEGE

UNIVERSITY COLLEGE

University College at Savannah State University provides access to those individuals seeking to earn a college degree at a University System of Georgia institution, who for various reasons are unable to meet the minimum requirements for regular admission.

Students admitted into University College must meet minimum admissions requirements, exit all required Learning Support classes and successfully complete 30 hours of core courses or earn an associate's degree and make up any CPC deficiencies. Upon completion of these requirements students will be certified to fully transition into the baccalaureate degree program of their choice.

UNIVERSITY COLLEGE (UC) ADMISSION REQUIREMENTS

o No separate admission application is required.

o A high school diploma is required.

o All students accepted through University College will have the English and/or Math Placement Index to determine if remediation is needed.

o All academic advisement, counseling, and testing will be provided by the Center for Academic Success.

o High school GPA requirement of 2.0

o Minimum SAT test score 330 Critical Reading (Old)/ 19 Reading Test (New), 310 Math (Old)/18 Math Test (New) or ACT 12 English, 14 Math

o Satisfactory completion of the 17 units required by the Georgia Department of Education

o English: 4 Units

o Mathematics: 4 Units

o Science: 4 Units

o Social Science: 3 Units

o Foreign Language: The same foreign language, 2 Units

o Students who meet admission criteria for ―Limited Admissions status and are denied admission due to SSU enrollment cap maybe considered for University College.

o All missing CPC units must be made up before exiting University College and a grade of C or better is required for CPC credit.

Learning Support Placement

Learning Support Placement is determined by: a single score on a standard (COMPASS) placement test: multiple measures (including high school grade point average, SAT or ACT scores); and/or Accuplacer to calculate placement indices in mathematics and English. Placement indices will determine placement directly into collegiate courses, into collegiate courses with co-requisite support, or into year-long pathways beginning with a foundations-level course.

Learning Support Curriculum:

Learning Support courses help students strengthen their skills in reading, writing, and math. As of Fall 2015, students who are placed in Learning Support begin at one of two levels, depending on their placement score:

Co-Requisite Learning Support: Students who place at the co-requisite level will enroll in the Area A class for English (ENGL 1101) and/or Math (MATH 1001 or 1111, depending on the student's major) along with a required co-requisite support class. Fulfillment of the learning support requirement consists of passing the Area A class with a grade of C or better.

Foundations Learning Support: Students who place at the Foundations level will enroll in the Foundations course for English and/or Math (Foundations for Quantitative Reasoning or Foundations for College Algebra, depending on the student's major). After passing the Foundations course with a grade of C or better, the student will then enroll in the Area A class for the subject(s) along with a required co-requisite support class. Students who enter at the Foundations level must pass the Foundations class and then the Area A class with a grade of C or better to fulfill their Learning Support requirement.

Students requiring remediation will be placed in co-requisite Learning Support courses that will provide "just-in-time" academic assistance while students are also enrolled in the gateway (collegiate) courses in mathematics or English. Students with lower levels of preparation (which should be the minority of students) will be placed in stand-alone Foundations-level courses with the intent that they will complete these courses in one semester, then take the gateway course with co-requisite support the next semester, allowing weaker students to complete remedial requirements and a collegiate course within the first year. Some institutions will offer remediation as co-requisite support only, as research shows that even less prepared students have higher success rates in co-requisite support than in traditional forms of remediation.

New Structure

Combined Reading and Writing Course

Instead of three areas of remediation (English, reading, and mathematics), there will now be only two: English and mathematics. Reading and writing skills will be developed simultaneously in the Foundations-level course and in co-requisite support for ENGL 1101 English Composition**.**

Courses and Numbering

To reflect the changes in Learning Support delivery, new courses and course numbers have been developed for the co-requisite support courses and the Foundation-level courses.

Co-requisite course numbers and titles:

ENGL 0999 – Support for English Composition (ENGL 1101)

MATH 0997 – Support for Quantitative Reasoning (MATH 1001)

MATH 0999 – Support for College Algebra (MATH 1111)

Foundations-level course numbers and titles:

ENGL 0989 – Foundations for English Composition (ENGL 1101)

MATH 0987 – Foundations for Quantitative Reasoning (MATH 1001)

MATH 0989 – Foundations for College Algebra (MATH 1111)

Administrative Procedures for Learning Support Programs

Admission of Students Requiring Learning Support to USG Institutions

Previously, students placing into all three areas of Learning Support or scoring below a minimum score in any one area were denied admission to all USG institutions. Students scoring below the minimum placement indices in both English and mathematics will continue to be denied admission to USG institutions. However, placement into Learning Support in both areas will not prevent students from being admitted to USG institutions so long as both indices exceed the USG minima. Placement indices below the minimum in one area will not prevent students from being admitted, so long as the placement index in the other Learning Support area is equal to or above a designated "offset" score.

Enrollment in Institutionally Required Learning Support Courses

Students who exceed the USG minimum requirements but are required by the institution to take Learning Support courses in order to prepare for core curriculum courses may, at the institution's option, be exempted from any or all of the requirements specified in Section IV H. However, all such requirements imposed by the institution must be satisfied by the time the student has earned 30 credit hours or the student must enroll in course work that will satisfy the requirements every semester of enrollment until the requirements are satisfied. Institutions have the authority to limit accumulation of college-level credit to 20 hours.

Voluntary Enrollment in Learning Support Courses

Students who are required to take Learning Support courses in an area may not register as auditors in any Learning Support course in that area. Students who are not required to take Learning Support courses in a disciplinary area may elect to enroll in Learning Support courses in a non-required area for institutional credit or on an audit basis. Such students are limited to a maximum of two attempts if they elect to enroll in Foundations-level English (reading/writing) or mathematics. There is no limit on attempts for students who elect to enroll in co-requisite Learning Support courses.

Learning Support for Transfer Students

Time spent in Learning Support course work in a disciplinary area shall be cumulative within the USG. A transfer Learning Support student with fewer than two attempts in Foundations-level English (reading/writing) and/or mathematics may be granted an additional semester in Foundations-level Learning Support. Students who complete course work and exit an area of Learning Support at any institution in the USG shall not be required to re-enter that area of Learning Support upon transfer to another USG institution. For students transferring from SACSCOC-accredited TCSG colleges, exit will be considered according to guidelines issued by the Executive Vice Chancellor and Chief Academic Officer of the USG.

Exiting Learning Support

To exit Learning Support, students **are no longer required to take the COMPASS or Accuplacer test but instead must pass the collegiate-level course.**

Withdrawal from Learning Support Courses

Students enrolled in gateway collegiate courses with co-requisite support may not withdraw from either course without withdrawing from both. Previously, however, students who withdrew from Learning Support courses were required to withdraw from all collegiate courses, even those not related to the Learning Support area. This requirement has been removed.

Attempts in Learning Support Courses

An attempt is defined as a Learning Support course in which a student receives any grade or symbol except "W" or "WM." Previously, students had up to two attempts to exit Learning Support English and Reading and three attempts to exit Learning Support Mathematics. Learning Support attempts will be counted only in Foundations-level courses and students will be limited to two attempts in each Learning Support area. There are no limits on attempts in co-requisite Learning Support courses.

Learning Support Suspension

Students who do not complete requirements for Foundations-level English or mathematics in two attempts will be suspended for a calendar year. Students who have been suspended from the institution without completing Learning Support requirements may complete their Learning Support requirements and additional collegiate- level work at SACSCOC-accredited TCSG institutions during the year of suspension.

Reporting Learning Support on the Transcript

Due to changes in how students will be placed into Learning Support, the levels offered (co-requisite or Foundations-level), and how students will exit Learning Support, revisions were made in the way that Learning Support is to be reported on student transcripts.

Learning Support Policies

All students enrolled in Learning Support (LS) courses are advised by professional advisors in UC/CAS until they complete their Learning Support requirements and accumulate up to 60 hours of college credit.

Students may not accumulate more than **30 hours of degree credit** while their Learning Support requirements remain unsatisfied. Students who have accumulated **30 credit hours** and who have not successfully completed the required Learning Support courses must enroll only in their Learning Support classes until the LS requirements are successfully completed. Notification letters are mailed/ and e- mailed each semester to students informing them of their status.

Courses with Learning Support Prerequisites or Co-requisites

Students who place into Learning Support courses are not permitted to enroll in credit courses that require the content or the skills of the prerequisite courses. The following core curriculum areas require students to complete or exempt certain Learning Support requirements.

Completion or exemption from Foundations-level Learning Support English is a prerequisite for Social, Natural, and Physical Science courses.

Completion or exemption from Foundations-level Learning Support English or placement into co-requisite English is required for placement into college-level English courses.

Completion or exemption from Foundations-level Learning Support mathematics or placement into co-requisite mathematics is required for placement into college level mathematics courses.

Completion or exemption from Foundations-level Learning Support mathematics is a prerequisite for physics and chemistry courses.

Any courses with prerequisite of any other college-level course would require exit or exemption from related Learning Support requirements.

It is recommended that courses such as music, art, and drama remain open for students with Learning Support requirements whenever possible.

Grades in Learning Support Courses

The following grades defined in detail in BOR Policy 3.5 are approved for LS courses in English (reading/writing), and mathematics:

Grade	Definition
A, B, C, S	Passing course grade
F, U, or WF	Failing course grade
IP	Progress insufficient for completion of the course

I	Academic progress satisfactory, but coursework incomplete
W	Withdrawal without penalty
WM	Withdrawal without penalty for military service
V	Student auditing LS course that is not required but taken voluntarily

Rules for Students in Learning Support Programs

Learning Support Attempts and Exit

- An attempt is defined as an institutional credit course in which a student receives any grade or symbol except “W” or “WM”.
- If students do not complete requirements for Foundations-level English or mathematics in two attempts, they will be suspended for a calendar year. Suspended students may be considered for readmission before the end of one year if they can provide evidence that they have taken measures to improve their skills.
- Students who have been suspended from the institution without completing Learning Support requirements may complete their Learning Support requirements and additional collegiate-level work at SACSCOC-accredited TCSG institutions during the year of suspension.
- For students changing mathematics (e.g., from a non-algebra pathway to an algebra/calculus pathway) pathways, Foundations courses completed with passing grades will not count against “attempts”.
- There are no limits on attempts in co-requisite Learning Support courses.
- Students will exit Learning Support by successfully passing (as defined by the institution) the corresponding Area A collegiate-level course.
- It is recommended that courses such as music, art, and drama remain open for students with Learning Support requirements whenever possible.

USG-mandated Enrollment in Learning Support Courses

The following requirements apply to those students who have USG-mandated Learning Support requirements. Institutions are not required to apply them to students who exceed the USG requirements even though such students may have institutionally-mandated Learning Support requirements:

During each semester of enrollment, a student must first register for all required Learning Support courses before being allowed to register for other courses. This policy also applies to part-time students. Two exceptions are possible:

- If two Learning Support areas are required and a student is enrolled in at least one Learning Support course, a freshman orientation course or physical education or other activity or performance course may be taken that semester instead of one of the required Learning Support courses.

- In the event that a required Learning Support course is not available, a student may enroll in a course for degree credit if the student has met the course requirements, subject to the written approval of the president or designee.

Students who have accumulated a maximum of **30 semester hours of college-level credit** and have not successfully completed required Learning Support **courses may enroll only in Learning Support courses until requirements are successfully completed. S**tudents with transfer credit or credit earned in a certificate or

prior degree program who are required to take Learning Support courses for their current degree objectives **must enroll in the respective Learning Support courses.** ~~ay~~Institutions have the authority to limit accumulation of college-level credit to 20 hours.

Enrollment in Institutionally Required Learning Support Courses

A. Students who exceed the USG minimum requirements but are required by the institution to take Learning Support courses in order to prepare for core curriculum courses may, at the institution's option, be exempted from any or all of the requirements. However, all such requirements imposed by the institution must be satisfied by the time the student has earned 30 semester credit hours or the student must enroll in course work that will satisfy the requirements every semester of enrollment until the requirements are satisfied. Institutions have the authority to limit accumulation of college-level credit to 20 hours.

Voluntary Enrollment in Learning Support Courses

A. Students who are required to take Learning Support courses in an area may not register as auditors in any Learning Support course in that area.
B. Students who are not required to take Learning Support courses in a disciplinary area may elect to enroll in Learning Support courses in a non-required area for institutional credit or on an audit basis. Such students are limited to a maximum of two attempts if they elect to enroll in Foundations-level English (reading/writing) or math but are not subject to the requirements specified. There is no limit on attempts for students who elect to enroll in co-requisite Learning Support courses.

Learning Support for Transfer Students

A. Time spent in Learning Support course work in a disciplinary area shall be cumulative within the USG. A transfer Learning Support student with fewer than two attempts in Foundations-level English (reading/writing) and/or mathematics may be granted an additional semester in Foundations-level Learning Support.
B. Students who complete course work and exit an area of Learning Support at any institution in the USG shall not be required to re-enter that area of Learning Support upon transfer to another USG institution. For students transferring from SACSCOC-accredited TCSG colleges, exit will be considered according to guidelines issued by the Executive Vice Chancellor and Chief Academic Officer of the USG.

Learning Support Rules for Returning Students

Students who transfer into a USG institution without having exempted or completed Learning Support requirements in an area (i.e., English or mathematics) must be evaluated for Learning Support placement and placed according to the USG institution's criteria for Learning Support placement.

Students who leave a USG school for any reason may be readmitted without Learning Support requirements if they meet one of the following conditions:

- Students have completed all Learning Support requirements at a SACSCOC TCSG institution and completion of Learning Support requirements is documented on their TCSG transcript.
- Students have earned transferable credit at a regionally-accredited non-USG institution for ENGL 1101 or 1102 (for completion of the Learning Support English requirement) or an Area A mathematics course (for completion of the Learning Support Mathematics requirement). (USG receiving institutions will decide whether to grant Area A credit for courses taken elsewhere. Provided that native and transfer students are treated equally, institutions may impose additional reasonable expectations, such as a minimum grade of "C" in Area A courses.)
    - Students have completed Learning Support at another USG institution and completion of

Learning Support requirements is documented on their transfer transcript.

A. Students who leave a USG school and return without having satisfied their Learning Support requirements in the interim may be readmitted to the college under the following conditions:

B. Students who have been suspended from the institution for a calendar year for failure to complete Foundations-level Learning Support within two attempts have two options on their return.

- Students may return to placement in Foundations-level Learning Support and have two more attempts.
- Students may take the COMPASS or Accuplacer test and accept Learning Support placement according to a placement index calculated on the basis of COMPASS or Accuplacer alone. If placed in Foundations-level Learning Support, they will have two more attempts to complete this level.
- Students in Learning Support who voluntarily leave a USG institution for periods of less than one calendar year will return to the level of Learning Support (Foundations-level or co-requisite) they were in immediately prior to their absence.
- Time spent in Learning Support course work in a disciplinary area is cumulative within the USG. Students who return to an institution less than one calendar year after one attempt in Foundations-level Learning Support will return on their second attempt in Foundations-level Learning Support.
- Students who had completed requirements for Foundations-level Learning Support and had been recommended for co-requisite Learning Support may re-enter at the co-requisite support level.
- Students in Learning Support who voluntarily leave a USG institution for periods of one calendar year or more must be retested with the COMPASS or Accuplacer in any previously unsatisfied Learning Support area.
- Students who have passed a Learning Support course prior to leaving, or at another USG institution, or at a TCSG institution will have their MPIs and/or EPIs recalculated based on COMPASS or Accuplacer only.
- Students who have not successfully passed a Learning Support course prior to leaving, or at another USG institution, or at a TCSG institution will have their MPIs and/or EPIs recalculated based on all currently applicable information, including HSGPA (less than 6 years old) and SAT or ACT scores (less than 8 years old) and COMPASS or Accuplacer scores.
- After testing, such students may be readmitted without a Learning Support requirement if they meet the institutional criteria for exemption.
- Students who do not score high enough on the COMPASS or Accuplacer test to exempt Learning Support may be placed in either Foundations-level or co-requisite Learning Support, depending on institutional placement policies.
- Students placed in Foundations-level Learning support may be readmitted and allowed up to two additional attempts in Foundations-level Learning Support in both English and mathematics, as applicable, if individual evaluation indicates that the student has a reasonable chance of success on readmission.

C. Students readmitted under this provision are subject to the **30-hour limit on college-level** coursework and may not take credit work if they had earned 30 or more credit hours during their previous period(s) of enrollment and have not completed Learning Support requirements in the interim.

D. **Completion of transferable Area A courses in English or mathematics from any institution** will eliminate further Learning Support requirements in that area upon transfer back to a USG institution.

Students with Special Needs

Students with documented learning disorders as defined in the USG Academic Affairs Handbook, Section 3.11.1., must fulfill all stated requirements, including placement testing (COMPASS/Accuplacer or system-approved alternate) and course requirements.

Appropriate course and testing accommodations should be made for students with sensory, mobility, or systemic disorders. Students must consult with Savannah State University's Counseling and Disabilities Office for more information on documentation and approval process. Such students may be granted up to two additional semesters of LS upon review and approval. Documentation on such students will be maintained at the institution and summarized in the annual report on accommodations for students with disabilities.

University College/Center for Academic Success
Course Descriptions

Mathematics

Math 0987 – Foundations for Quantitative Reasoning (4 Credit hours). This course prepares students for entry into Quantitative Reasoning (MATH 1001). Topics may include numeracy, proportional reasoning, algebraic reasoning, modeling via functions, and skills for mathematical success. Institutional credit only. Placement in MATH 0987 is determined by COMPASS/Math Placement Index scores, and this course is mandatory for students whose placement scores require it.

Math 0989 – Foundations for College Algebra (4 Credit hours). The purpose of this course is to prepare students for entry into College Algebra (MATH 1111). This course provides detailed review of the fundamental concepts in mathematics including integers, decimals, fractions, exponents, percent, ratios and proportions. Algebraic expressions and solutions to equations with applications will be covered. Polynomials, factoring, radical and fractional exponents and graphing linear equations will be discussed in great detail. Institutional credit only.

Math 0997 – Support for Quantitative Reasoning (2 Credit hours). A course designed to help student simultaneously address learning support mathematics requirement and complete an area A mathematics course, MATH 1001. This course is designed to support a student taking MATH 1001 with just in time assistance. Topics will parallel topics being studies in MATH 1001 that included: Sets and Set Operations, Logic, Basic Probability, Data Analysis, Modeling from Data (Scatter Plots, Regression Lines).

Math 0999 – Support for College Algebra (2 Credit hours). A course designed to help student simultaneously address learning support mathematics requirement and complete an Area A mathematics course, MATH 1111. This course is designed to support a student taking MATH 1111 with just in time assistance. Topics will parallel topics being studied in MATH 1111 that included: the real number system, functions and polynomials, inequalities (first and second degree), systems of equations, and operations with exponential numbers (including radicals).

English

ENGL 0989 Foundations for College English
This course is designed to prepare students for college-level reading and writing. In this course, students will use paired reading and writing assignments that will help students work with concepts in context, students will build competency in recognizing, comprehending and using appropriate grammar, vocabulary, punctuation, and structure in sentences, paragraphs and essays. ***A grade of "C" or higher indicate the student has successfully completed requirements for this course. Students who do not successfully complete the requirements for the course will receive a grade of "IP" and will remain in the 0989 level course.*** Students who pass ENGL 0989 are required to take English 0099 ***(Institutional Credit Only*)**.

ENGL 0999 Composition Support I
This course is designed to support students who are enrolled in ENGL 1101. ENGL 0999 provides students with support and skill development to improve their readiness for the college-level writing in the co-requisite ENGL 1101. Students in ENGL 0999 will practice grammar, mechanics, usage, organization and the writing process, as well as

receive individualized assistance with writing assignments for ENGL 1101. ***A grade of "C" or higher in ENGL 1101 indicate the student has completed requirements for the course***. Students who do not successfully complete the requirement for ***ENGL 1101, must re-enroll in ENGL 0999 and ENGL 1101 the next semester (Institutional Credit Only).***

Academic Renewal for Returning Students

Academic Renewal policy established by University System of Georgia 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.

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 an undergraduate who was not 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 institution’s GPA. This GPA (institution’s 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 admission requirements. Past scholastic suspensions shall remain recorded on permanent records.

Academic Policy and Registration

Definition of Legal Residence

Regents' Policies Governing the Classification of Students for Tuition Purposes

The Board of Regents has adopted the following policies for the purposes of determining the tuition status of students:

403.02 Classification of Students for Tuition Purposes

- ☐ 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:
  - o 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.
  - o 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.
  - o Students who are transferred to Georgia by an employer are not subject to the durational residency requirement.
- ☐ 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.
- ☐ 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.
- ☐ 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 an 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.
- ☐ Immigrants shall be classified as nonresident students, provided, however, that an immigrant 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.

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

- ☐ Academic Common Market. Students selected to participate in a program offered through the Academic Common Market.
- ☐ University System Employees and Dependents. Full-time employees of the University System, their spouses, and their dependent children;
- ☐ 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 (BOR Minutes, 1988-89, p. 43);

- ☐ 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.
- ☐ Any Veteran, to include spouse and dependent child, excepting those assigned as students to USG System Institutions for educational purposes such as the "*Army Green to Gold Program"* who within 36 months of the military member leaving service is admitted to any USG College or University, is eligible to have Out of State tuition waived. The waiver continues as long as the student remains continuously enrolled (two consecutive semesters each year); for students utilizing VA benefits, the window is further expanded in order to improve access and affordability during transition. While the Choice Act of 2014 stipulates in-state rates within 36 months of separation, USG institutions waive out-of-state tuition for any student enrolling within 120 months of separation/retirement and utilizing VA Educational Benefits. This generous timeline addresses transition success and once the student is enrolled, the waiver remains in effect as mentioned previously.

- ☐ Border State Residents. Residents out-of-state bordering the State of Georgia in which the reporting institution is located. These states include Florida, Alabama and South Carolina.
- ☐ 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.
- ☐ 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;
- ☐ 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;
- ☐ 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;
- ☐ Students in ICAPP® Advantage programs. Any student participating in an ICAPP® Advantage program; and
- ☐ 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.
- ☐ 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.
- ☐ For those currently serving, USG policy addresses access and affordability for this segment of the population. All military members, and families, assigned to or stationed in, Georgia have out-of-state waived. Additionally, any student using transferred GI Bill Education benefits from a currently serving military member have out of state tuition waived. The military member from which the benefit is derived does not have to be currently, or previously, assigned in Georgia.

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.

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. The grade “F” indicates a failure to meet the minimum requirements of a course. Grade distinctions and quality point 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

Students who earn the grades of “D” or “F” in courses in Areas A and F of the core curriculum or Learning Support 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 academic penalty. Such withdrawals will not be permitted after the mid-term (refer to Academic Calendar for mid-term date), 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 course requirements.

U (Unsatisfactory) - This symbol indicates incompletion of course requirements.

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 members submit grade reports to the Office of the Registrar. At the end of each semester, grades are provided to students electronically, which notes 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 via online. Information and directions to access the system can be obtained from the Registrar's office.

Calculating the Cumulative Average

Determinations of scholastic standing are generally based upon a cumulative grade point average, which appears on student's permanent record. The cumulative grade point average is calculated by dividing the total number of grade points or quality points earned in academic courses 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.

Repeating of Courses

Students may repeat courses in which grades D, F, or WF were earned. The highest grade will count in computing the grade point average for undergraduate degree requirements. Courses may be repeated any time before the first degree is awarded. The student can select the courses eligible to be repeated as long as these courses meet the requirements below:

- ☐ The student must have earned a grade of D, F, or WF in the course.
- ☐ Degree hours will be applied only once toward graduation requirements.
- ☐ Students may not repeat any courses for credit in which they have earned a grade of C or better. The student should be aware that the grade of D, F, or WF from any previous attempts would remain on the transcript. The previous attempts will be noted but excluded from GPA calculations.

Students who are planning to apply for admission to graduate school should take note that most graduate/professional schools recalculate GPAs based upon all courses that students have attempted during their college career. Thus, any repeated courses may include both grades in consideration for graduate school admission.

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.

Classification

Students are classified based on earned academic credit hours as follows:

Freshman - 30 or less credits

Sophomore – 31 – 60 credits

Junior – 61 - 90 credits

Senior - more than 90 credits

Changes in Grades

Once a grade has been reported to the Registrar, it can be changed only if one of the following conditions are met:

☐ 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;
☐ The instructor follows the procedure of removal of an NR (Not Reported) grade;

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 the 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 the division to grant a hearing, students must present adequate evidence of unfair grading.

Transcripts

The transcript is considered the official document of record of a student's grades 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 can be made online, in person or in writing via email, and accompanied by the appropriate fee of $4.00 per transcript. All transcript requests made in person must be verified at the time of the request by some type of I.D. card and/or driver's license. All transcripts that are picked up must also be verified at the time of the request by some type of I.D. card and/or driver's license.

The institution has a legal right to deny a transcript if a student has indebtedness to the institution. The amount of indebtedness leading to this sanction will be determined by the Bursar’s Office.

Undergraduate Good Standing, Academic Probation and Suspension

Policy on Academic Good Standing, Probation and Suspension Pertaining to Undergraduates

At the end of each semester, the Office of the Registrar computes cumulative institutional grade point averages in order to determine the academic standing of all students. Undergraduate students whose cumulative institutional grade point average at the end of any

term will be considered in good standing based on the following:

Freshman – 1.5 GPA and above

Sophomore – 1.75 GPA and above

Junior and Senior – 2.0 and above

Academic Probation

Students on academic probation are expected to use their probationary semester to focus on their academic success and recover their academic progress. To assist students in achieving these goals, students on probation are subject to the following restrictions:

(1) Completion of an academic recovery plan with the student's advisor is required prior to registration for the semester of probation. Students on probation must meet with an advisor before the start of class. The advisor may require changes to courses for which the student has already registered.

(2) Registration must be completed through the student's advisor;

(3) Enrollment is limited to a maximum of twelve credit hours for the semester;

(4) Re-enrollment is required in any courses in Core Area A, the major, or the minor in which a D or F was earned (subject to availability of those courses).

Additionally, students on academic probation will not be permitted to represent the University or hold office in any University organization.

Students who raise their cumulative grade point average to 2.0 or higher at the end of their probationary semester will be removed from probation. A student on probation, who has earned a semester GPA of 2.0 or higher, but has not achieved good standing (*i.e.* cumulative institutional GPA greater of 2.0 or higher*)*, may be allowed to register for one more probationary semester, during which the student must restore good standing. If good standing is not achieved, the student will be subject to suspension.

Academic Suspension

Students not in good standing (*i.e.* cumulative GPA below 2.0) for two consecutive semesters will be subject to academic suspension for one calendar year. At the discretion of the provost or a designee, a student on probation earning a semester GPA of 2.0 or higher may be granted one more probationary semester, in which academic good standing must be achieved.

Students who have been academically suspended from the University must reapply for admission at the end of their suspension in order to return to the University. Such students must convincingly demonstrate readiness to assume academic responsibilities. Students who are interested in receiving financial aid must submit also an Appeal for Reinstatement of Financial Aid Form.

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. Ideally, candidates should apply two semesters preceding their expected graduation date. The Registrar conducts an independent audit to ensure that all degree requirements have been satisfied.

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:

Baccalaureate degree

Cum Laude	3.00 – 3.39
Magna Cum Laude	3.4 – 3.74
Summa Cum Laude	3.75 – 4.00

Associates Degree

Honors	3.50 – 3.79
High Honors	3.80 – 4.00

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

- ☐ To earn an associate and/or a baccalaureate degree in the same or different disciplines, all requirements for the associate degree must be satisfied at least two semesters before requirements for the baccalaureate degree are fulfilled. Conversely, a student graduating with a baccalaureate degree cannot receive an Associate of Science degree at the same time.
- ☐ A minimum of 120 semester hours, exclusive of the required health, physical education, and freshman orientation courses;
- ☐ A scholastic average of 2.0 or higher;
- ☐ Satisfactory completion of the minimum requirements of the Core Curriculum;
- ☐ 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. Students seeking to graduate from a University System of Georgia college or university must satisfactorily complete such courses (POLS 1101 and HIST 2111 or HIST 2112) at a USG member institution or satisfactorily pass the corresponding examination on the history of the United States and on the history of Georgia in lieu of taking the course at a member institution.
- 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)
- ☐ Residency Requirements: Regardless of the degree, students must earn at least 25 percent of their degree requirements in residence at Savannah State University.
- ☐ 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 the student’s 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.

Dual Degree and Double Major Graduation Requirements

Dual Degrees

Dual degrees are earned when a student satisfies all requirements for two different baccalaureate degrees (for example, B.A. and B.S.) within one or more colleges of Savannah State University. Students must earn at least 25 percent of their degree requirements in residence at Savannah State University. In addition, 50 - 60% of major requirements must be earned at Savannah State University for the first degree. For the second degree, students must complete all discipline-specific course requirements, including Area F. If the second degree is completed at the same time as the first degree, or within **eight calendar years** of the first degree, this requirement shall be deemed to have been satisfied for both degrees. Students who complete the first and second major at the same time are exempted from minor requirements. Whenever the second degree is completed, the requirements for the second degree will adhere to the catalog edition that the student followed for the first degree.

After eight years from the date of the award of the first degree, credit that has been used to satisfy the university's academic residence requirement for this degree cannot be applied toward the university's minimum academic residence requirement for the second degree. Regardless of when the second degree is completed, both degrees require that at least one-half of the courses comprising the major must be taken at Savannah State University. A student who pursues a dual degree should consult with an advisor or the Center for Academic Success.

Double Major

A double major consists of two separate majors in the same baccalaureate degree (for example, B.S. with majors in Sociology and Psychology), regardless of the college or colleges in which that degree is awarded. A double major is earned when the student completes discipline-specific requirements for each of the majors and all requirements for the degree. Students must earn at least 25 percent of their degree requirements in residence at Savannah State University. In addition, 50 - 60% of major requirements must be earned at Savannah State University for the first major. Students must satisfy all discipline-specific course requirements for the second major, including Area F. If the second major is completed at the same time as the first major, or within **eight calendar years of** the first major, this requirement shall be deemed to have been satisfied for both majors. Students who complete the first and second major at the same time are exempted from minor requirements. Whenever the second major is completed, the requirements for the second major will adhere to the catalog edition that the student followed for the first major.

After eight years from the date of awarding the first degree, credit that was used to satisfy the university's academic residence requirement cannot be applied toward the university's residence requirement for the second major. At least one-half of the second major courses must be taken at Savannah State University. Students pursuing a double major should consult with an academic advisor.

Minor

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.

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.

Campus Honor Societies

A number of national honor societies are active on campus.

Society	Academic Areas
Alpha Kappa Mu	All Areas
Beta Beta Beta	Biology
Beta Kappa Chi	Sciences
Golden Key	Liberal Arts
Kappa Delta Pi	Education
Kappa Pi	Art
Kappa Kappa Psi	Band
Mortar Board	Senior Honor
Omicron Delta Epsilon	Economics
Omicron Delta Kappa	Leadership
Order of Omega	Greek Organization Leadership
Phi Alpha	Social Work
Phi Alpha Theta	History
Phi Beta Kappa	Academics
Phi Kappa Phi	Academics
Phi Sigma Pi	Honor Fraternity
Phi Sigma Tau	Philosophy
Phi Theta Kappa	Academics
Pi Alpha Alpha	Public Affairs and Administration
Pi Gamma Mu	Social Sciences
Pi Lambda Theta	Educators
Pi Sigma Alpha	Political Science
Psi Xi	Psychology
Sigma Tau Delta	English
Sigma Xi	Research
Tau Beta Pi	Engineering
Tau Beta Sigma	Honorary Band

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.

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.

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.

Overloads

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

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

No student will be allowed to register for more than 21 hours. A student who is on academic probation will not be permitted to register for more than 13 semester hours. Only the appropriate Dean may make exceptions to these limitations.

Special Policy for Limited Seating Classes

Certain classes, such as computer lab classes, with limited seating are governed by a more stringent attendance policy. 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 instructor's college). Withdrawals may also impact financial aid classification if students' academic load then falls below the required minimum.

Class Attendance

Savannah State University endeavors to provide optimum conditions for the intellectual growth and development of its students. With the exception of University approved activities, it is expected that students should attend and be punctual to their classes, laboratories, and scheduled class requirements. Students who are absent because of participation in approved University activities will be permitted to make up work missed during their absences, provided that no more than 15% of class hours per course per term are missed and that work is assigned for completion prior to the University sanctioned activity.

All matters related to student absences, including the make up of work missed, are to be arranged between the student and the instructor. Instructors will publish their guidelines for handling absences in their syllabi. Students are obligated to adhere to the requirements of each course. Faculty members are encouraged to take into consideration religious holidays of the student's faith, summons, jury duty, or similar compelling reasons for absences.

Non-Attendance Policy (DN)

Students who have never attended a single class during the first seven class days (including the first Saturday) of the term will be assigned a designation of DN (Dropped for non-attendance - **never attended, or Logged In**) by their instructors. A DN designation deletes a course from the student's registration, and removes all financial obligations associated with that course. Students who attend

one or more class sessions of a particular class are **not** eligible for the DN designation. Students who are not planning to attend a particular course should officially drop the course from their schedules and not leave it up to the instructor to input a DN designation. DN designations are only applicable during the first seven days of a term.

Subsequent to the DN deadline, instructors have three additional days to drop/delete (DN) students who fail to satisfy course prerequisites and/or grade requisite from their roster without financial or academic penalty.

Class Drop/Add Policy

Subsequent to registration, students may drop classes from, or add classes to, their schedules, without financial or academic penalty, until the last day of late registration (refer to the Academic Calendar for this date). All drops during this period will delete the class from the student's schedule and release the student of any financial obligations corresponding to the class.

Subsequent to the late registration deadline, students may still officially drop a class from their schedules until the last day of classes of the term. However, all drops during this period will be assessed corresponding tuition and fees, a grade of W will be assigned for any class dropped by the drop deadline, and a grade of WF will be assigned for any class dropped after the drop deadline through the last day of classes.

Students desiring to drop or add classes need to submit an electronic drop/add request.

Students will not be permitted to add classes to their schedules after the last day of late registration.

Withdrawing from the University

Savannah State is not obligated to drop students for failure to attend classes. It is the student's obligation to drop classes, and students' failure to officially drop or withdraw could lead to financial and academic consequences.

After the second week of classes and prior to the midterm: Students may withdraw every class except the last class using the online registration process in PAWS. In order to withdraw the last class, an electronic withdrawal form must be submitted. Students will automatically receive a W, if they have not exceeded the number of W.

Types of withdrawals:

a. Withdrawal before midterm (W)
b. Withdrawal after midterm (WF)
c. Hardship withdrawals (WH)
d. Military Withdrawal (MD)
e. Non-academic withdrawal for Administrative Cause (AW)

Hardship Withdrawal from the University

Students may be granted hardship withdrawals when non-academic emergency situations occur which prevent them from completing their coursework (e.g., severe medical problems, traumatic events/circumstances that cause them to miss numerous classes). Hardship withdrawals are subject to the following restrictions:

Students are not eligible for hardship withdrawals in any course in which they have completed the course requirements (for example, taking the final exam or submitting the final project). Students must have supporting documents to receive a hardship withdrawal.

Students must initiate an application for a hardship withdrawal no later than one academic year after the semester in which

the courses were taken. Hardship status applies to all courses taken in a semester. Students requesting a hardship withdrawal must provide documentation to justify such a withdrawal. If a student is granted a hardship withdrawal, the instructors of the courses from which the student is withdrawing must award a grade of "W" or "WF," depending on whether the student was doing passing work as of the effective date of the hardship.

Military Withdrawal

A student who is on active duty or is a military reservist (including members of the National Guard) may withdraw from the University if called for active duty or reassignment. The student must officially withdraw and submit Official Orders to Active Duty to the Office of Academic Affairs within three (3) working weeks of actual receipt of said orders. The student is not eligible for a military withdrawal in any course in which the student has completed the course requirements (for example, taking the final exam or submitting the final paper) and/or a final grade has been assigned. Students who withdraw and receive a full tuition refund will receive a grade of "WM" (military withdrawal) for all courses from which the student has withdrawn.

Non-Academic Withdrawal for Administrative Cause:

In the judgment of the authorized University officials, a student may be withdrawn from the university for non-academic reasons when it is determined that the student has demonstrated behavior that:

(a) Poses a significant danger or threat of physical harm to self or to the person or property of others; or

(b) Interferes with the rights and privileges of other members of the university community or with the exercise of any proper activities or functions of the university or its personnel.

Except in situations where the student is believed to be an imminent threat to self or others, as determined at the sole discretion of the University, a student shall, upon request, be accorded due process concerning his or her continued enrollment at the university. In situations involving an imminent threat, the student will be provided a hearing as soon as possible after the withdrawal occurs. The instructor will assign students who are non-academically withdrawn a grade of “W” or “WF” (depending on whether they have exceeded their maximum number of withdrawals allowed) if they are withdrawn before the semester midterm “W” and a “WF” if they are withdrawn after the midterm.

Unofficial Withdrawals

Students, who cease attending all classes without officially withdrawing, are considered unofficially withdrawn from the university. Upon submission of final grades for a term, instructors are required to indicate the last day of attendance for each failing grade (F) submitted. In compliance with Title IV regulations for unofficial withdrawals, students who have failing grades of "F" in all classes, and whose last date of attendance is the 50% point of the semester or below will be considered as unofficially withdrawn from the University and reported as such.

Student Information

Access to Student Records

The Family Educational Rights and Privacy Act of 1974, as amended (FERPA), which is designed to protect the students' rights with regard to education records maintained by the institution, cover Savannah State University. Under the Act, students may inspect and review their own education records maintained by the institution and 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' name, 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, student e-mail address, and previous educational institutions attended. Students, or parents of students who are under eighteen, 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.

Inquiries from news media about students or former students should be made to the Marketing and Communications department. 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 Marketing and Communications department 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. The appeal is handled by the office of Academic Affairs.

Right of Appeal

Appeals shall be available to every student in an academic grievance proceeding against the University.

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 must be 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, by either 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.

Classification of Courses

Student Status	Number Range
Institutional	0001 – 0999
Lower Division	1000 – 2999
Upper Division	3000 – 4999
Master Level	5000 & above

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.

Office of Online Education

The mission of the Office of Online Education is to provide high quality learning and flexibility for our students, faculty, and staff. Brightspace/D2L may be used to access SSU eLearning and USG eCore courses. The Online Education Office provides training for faculty and students and assists with instructional design for future courses. All users have access to resolve issues and faculty can review available resources to aid in course development.

Online courses are taken exclusively over the Internet. There are no required on-campus meetings. Hybrid courses are held both on campus and online. They are traditional face-to-face courses in which some of the on-campus class meetings are replaced with online assignments. Web-enhanced courses are traditional face-to-face courses that are augmented by course websites. Unlike the class meetings for hybrid courses, the class meetings for web-enhanced courses are all scheduled on campus unless classes are redirected for special activities.

Code Category Description

F - Fully at a distance
All or nearly all of the class sessions are delivered via technology. The course does not require students to travel to a classroom for instruction; however, it might require students to travel to a site to attend an orientation or to take exams. (NOTE: This is generally equivalent to delivering more than 95 percent of sessions via technology.)

P - Partially at a distance
Technology is used to deliver more than 50 percent of class sessions, but visits to a classroom (or similar site) are required. (NOTE: If a course is offered through two-way interactive video, then it should be coded partially at a distance because students must meet at a designated location.)

H - Hybrid
Technology is used to deliver 50 percent or less of class sessions, but at least one class session is replaced by technology.

T - Technology enhanced
Technology is used in delivering instruction to all students in the section, but no class sessions are replaced by technology.

Null - No technology
No technology is used in delivering instruction.

Proctoring and Associated Fees

Savannah State University's Testing Office provides free test proctoring services for Savannah State University online students who can attend specific testing sessions on campus at the Testing Office. Fees associated with Savannah State University's Bachelor of Business Administration (BBA) Online program are embedded in tuition costs. BBA Online students can also utilize Proctor U, an organization that offers online proctoring services. Students can take examinations online at anytime, anywhere in a secure testing environment. For information on Proctor U registration for BBA Online students, contact the College of Business Administration at 912.358.3389.

Savannah State University students enrolled in fully online courses (not in the BBA online program) and do not reside in the Savannah area and must complete a proctored examination could incur additional charges for proctoring.

Savannah State University students who enroll in eCore courses are required to pay proctoring fees (which vary by college) for each examination required.

The eCore website states that each eCore course requires at least one proctored exam that requires a proctoring fee. For more information about eCore, classes and requirements please visit: https://ecore.usg.edu/.

Military and Veterans Affairs

Veteran refers to any Active Duty, Reserve, National Guard or Military Dependent student using GI Bill Benefits to attend this University.

Savannah State University maintains a Military Liaison and a School Certifying Official in the Department of Military and Veterans Affairs under the Vice President of Student Affairs. Their duties are to coordinate between various Department of Defense and Veterans Administration agencies and to assist all students who are eligible for Veteran's Education Benefits.

Veterans wishing to attend Savannah State University under any of the educational benefit programs provided by public law should apply for admission. Those who have never used their education benefits should apply for their Certificate of Eligibility (COE) at *vabenefits.vba.va.gov (VONAPP section)*. Those who have previously used GI Bill Benefits must obtain their Letter of Remaining Benefits (LORB) from the VA. This can be accomplished in several ways:

1. Each time a student is Certified to the VA that they are using their GI BILL Benefits, the VA will send a LORB to the student outlining the number of months and days of benefits they have used and have remaining.
2. Online through their E-Benefits account.
3. Online at www.benefits.va.gov (tab through: Education and Training, For Students, Get Started Home and Submit a Question),
4. Fax a request to (404) 929-3009
5. Written request to "Department of Veterans Affairs, 1700 Clairmont Road, Decatur, Ga. 30033.
6. Those transferring to Savannah State who have used their GI BILL Benefits at other institutions must also submit a VA Form 22-1995 for Military or VA Form 22-5495 for Military Dependents to change their Place of Training or program of study. Upon notification by the Admissions Office of their acceptance to Savannah State University, the Veteran should contact the School Certifying Official for further instructions.

General Information

- Use of VA Education Benefits (GI bill) is accomplished only by the request of the student. Each student desiring to use his or her benefits must submit a Certification Request Package to the School Certifying Official each semester for the duration of their college career at Savannah State University. Any student who has received benefits from Savannah State and transfers to another Institute of Higher Learning must file a VA Form 22-1995 for Military or VA Form 22-5495 for Military Dependents with the School Certifying Official at the gaining institute to change the location of their supporting administrative unit.
- Students may use their GI bill during any regular, mini or summer semester of study.
- GI bill Benefits may be combined with Active Duty or Reserve Tuition Assistance Benefits if desired.
- Students exercising Chapter 30, 1606 or 1607 GI bill benefits must certify their continued attendance monthly either online at *benefits.va.gov/gibill/* or by telephone to the VA Regional Processing Office at 1-800-442-4551.
- Students may only be certified for courses that apply to their formal and declared degree program.
- Students receiving benefits are required to notify the School Certifying Official whenever they drop or add a course of instruction or if there is a change in their degree program. Failure to do so may lead to an overpayment of benefits. Repayment of any overpayment may be the responsibility of the student.
- If a passing grade is received for a course of instruction, the course may not be recertified in order to receive a better grade. However, if a failing grade is received or if the grade does not meet the minimum requirements of the degree program, the course of instruction may be certified and repeated.
- A normal, Full-Time academic load during fall or spring semesters is defined by the Provost's Office as 12 semester hours for undergraduate and 9 hours for graduate students. The VA honors these parameters for payment of benefits. During the Summer Semesters, 3 hours is considered by the VA to be Full Time for benefits payment. Undergraduate and graduate students carrying less than a full load will not be certified at Full-Time.
- Veterans who can show proof of successful completion of introductory military training (Boot Camp or a Commissioning source) are awarded credit for the 4 required hours of Core Curriculum physical fitness training.

- A student desiring to use their GI Bill Benefits must submit a Request Package for that semester containing the following documents:
    - Green Sheet (Available from the Department of Military and Veteran Affairs).
    - VA Certificate of Eligibility [(COE)(initial package submission only) or VA Letter of Remaining Benefits (LORB)(each semester package submission after the initial)].
    - Student Schedule/Bill from their Account.
    - Academic Grid (1 time only or any time the course of study is changed).
    - Unofficial Transcript from their Account.

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, 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. For further information contact Army ROTC at (912) 358-4270, or contact Navy ROTC at (912) 358-3095.

International Education Center

The main goal of the International Education Center is to enhance the international and intercultural experiences of Savannah State students through study abroad programs, participation in international conferences, promotion of student and faculty exchanges, recruitment and retention of international students, as well as the organization of cultural events, and lectures from foreign scholars.

The University's International Education Center (IEC) offers students access to study abroad in several countries, including Brazil, Costa Rica, Egypt, Ghana, Nigeria, Liberia, India, China, Trinidad and Tobago. SSU is a part of the European Alliance, which allows students to join other University System of Georgia students on trips to places like Paris, London, Madrid, and Ireland.

Many of the study abroad programs offered by other University System of Georgia institutions generally are open to all undergraduate students from any member institution with a minimum cumulative GPA of 2.5; however, certain programs may require a higher GPA and completion of pre-requisites. 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.

The International Education Center also provides services to a growing number of international students from 40 different countries. Students from around the world come to Savannah State to complete degree programs. Many students will begin their time at the university as a member of our English as a Second Language Program and later transition to regular degree level programs. The Center is organized to assist these students with orientation, advisement, processing paperwork, as well as adjustment to Savannah State University and to the Savannah area. SSU continues to diversify its student population by recruiting students from

different parts of the world. Our campus hosts students from Ghana, Nigeria, Burkina Faso, Cameroon, the Democratic Republic of Congo, Ivory Coast, Brazil, The Bahamas, St Vincent & the Grenadines, United Kingdom, Sweden, Columbia, Serbia, Kazakhstan, Turkey, Canada, India, Jamaica, South Korea, and China.

In 2014 the International Education Center and the Chinese government launched The Confucius Institute on our campus. This Institute promotes the teaching of Chinese language and culture and allows Savannah State University to serve not only the campus community, but also the city of Savannah, the sister institutions in Savannah, and the surrounding communities. Our students and faculty will get more opportunities to travel to China to conduct research and increase their skills in Chinese language. Business leaders will also benefit from the Institute through orientation programs on how to do business with China while Chinese investors will be instructed on opportunities to invest in Savannah.

For further information, contact the International Education Center (IEC) at (912) 358-4152.

The English Language Institute (ELI)

The English Language Institute is a program that is a non-credit program offered to international and immigrant student populations. Students who enroll in the English Language Institute take intensive classes in Listening/Speaking, Writing/Grammar, Reading, and Computer-Assisted Language Learning. Voice and Articulation and Cultural Enrichment are infused into the program as well. The Student Learning Outcomes (SLOs) for the ELI are Grammar, Reading, Writing, Listening, and Speaking.

Student Services

Central to the Division of Student Affairs and Enrollment Management is enhancing the holistic educational experience of students by providing educationally purposeful services and programs that bridge classroom learning with out-of-class experiences. 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 and Enrollment Management.

Center for Leadership and Character Development

The Center for Leadership & Character Development focuses on developing student leadership through seminars, institutes, retreats, and workshops. The Center houses dozens of books and audio tapes on leadership, personal development, career development, and service learning. Programs include the Freshman Academy during the fall semester, the Alternative Spring Break experience and a Leadership Lecture Series throughout the year. All students are encouraged to utilize the center. Students should be mindful that space is limited in major leadership programs.

Department of Student Development

The focus of the Department of Student Development is to incorporate student learning and student development into experiential and social opportunities that will enhance students' overall educational experience. This department recognizes the importance of a comprehensive college health program, which supports our academic program, to include focus on professional personal and career counseling services, health promotion, education and prevention, medical/clinical/holistic services, intramural sports and wellness and other services.

Counseling and Disability Services

The Office of Counseling and Disability Services provides free, confidential counseling to all students. College life is a transitional period marked by change, pressure and stress. The goal is to help students understand this period and find ways of coping and grow from their experiences.

Personal Counseling

Mission

To provide developmental, remedial, preventive and consultative/training services which will assist students to grow and experience personal and academic success within the educational framework.

Areas of counseling include but are not limited to: relationship issues, self-esteem, stress management, eating disorders, problem gambling, pregnancies, anger management, depression and suicide, home-sickness, self-injurious behaviors and substance abuse.

Disability Services

Mission

To improve the educational development of students with disabilities and the vocational access of employees with disabilities by providing appropriate accommodations; and to enhance understanding and support within the campus community.

Accommodations are academic services or adaptations that allow a student with a disability to have full access to academic information and access to demonstrate they mastered the information or allow an employee to have access to meet the essential functions of their position. Accommodations do not guarantee success, but they provide equal access. Accommodations do not compromise academic standards or the mastery of essential course elements. Students with disabilities who receive accommodations must still meet all admission and academic standards, including attendance requirements.

Accommodations typically offered, based on the individual student's documented needs may include, but are not limited to: registration assistance, consultation with faculty, volunteer note taker services, permission to tape lectures, priority seating, and relocating inaccessible classrooms, extended test time, low distraction test room, audio books, adaptive software and enlargement of print materials.

All students who have been approved for accommodations receive an Accommodation Letter each semester to show to their professors. The Accommodation Letter outlines the student's approved accommodations. It is the student's responsibility to pick up this letter each semester, discuss their needs and accommodations with their professors and have their professors sign the Acknowledgement Form. The student is responsible for returning the signed Acknowledgement Form to the Coordinator of Disability Services each semester. Students should not assume that professors would provide accommodations without an Accommodation Letter.

Services are available to those students who choose to self-identify to the Coordinator of Disability Services and provide appropriate documentation of their disability that meets standards set by the Board of Regents. The office refers students to resources to obtain documentation, if needed. Students with a learning disability, attention deficit disorder, an acquired brain injury, psychological disorders, chronic medical illnesses, mobility impairments, pervasive developmental disorders, vision impairment and hearing impairment may be eligible. Written copies of documentation requirements are available in the office. SSU does not offer separate classes for students with disabilities. All disability accommodations are provided at no charge.

The Office of Counseling and Disability Services; 912-358-3129.

Student Health Services
Harris-McDew Student Health Center

Mission

To become the principle advocate for a healthy campus by promoting the health of students, including Distance Learning students, through the provision of services; which are committed to integrating primary prevention and education with clinical care, and through referral, mental health support and nutritional counseling.

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 for services provided by the staff. Available services 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
- ☐ The center, which is staffed by nurses, is open Monday through Friday.

☐ Part time physician (Monday through Friday)

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 the Department of Public Safety. An ambulance or paramedic unit may be dispatched to campus for an immediate evaluation or transportation to the hospital as needed at the Student's expense. Students are responsible for the cost of all services provided by any other community health care provider. All students are encouraged to secure coverage 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.

Contact: The Harris-McDew Student Health Center; (912) 358-4122.

University Recreation and Wellness

The University Recreation and Wellness (URW) department is designed to foster both competitive and leisure sports and fitness activities for both men and women. The purpose of the URW is to promote student learning for all students, and development by encouraging outcomes such as intellectual growth; ability; to communicate effectively, realistic self-appraisal, enhanced self-esteem, clarification of values, leadership development, physical fitness, meaningful interpersonal relations, ability to work independently and collaboratively, social responsibility, satisfying and productive lifestyles, appreciation of aesthetic and cultural diversity, and achievement of personal goals.

Mission:
To enhance students' fitness and wellness, knowledge, personal skills, and enjoyment by providing opportunities for a variety of activities that may contribute to individual fitness and wellness; opportunities for cooperative and competitive play activity in the game form; and a medium through which students can learn and practice leadership, management, program planning and interpersonal skills.

Activities usually include, but are not limited to, basketball, volleyball, softball, and flag football. Participants are required to complete a Student Waiver Form with the URW office. Sporting equipment and other resources will be made available.

Contact: University Recreation and Wellness; (912) 358-3071.

University Career Services

University Career Services are designed to assist students and other designated clients through all phases of their career development.

Mission
To assist students, alumni and retirees of Savannah State University in developing and implementing career plans, through career guidance, promoting institutional awareness, early intervention activities, exposure to resources and involvement in opportunities for learning and development of career goals.

University Career Services offers services and resources, which include, but are not limited to career focus checklist for freshmen through seniors, job fairs, computer career guidance, employment bulletins, internship guidance, interviewing and job searching programs, on campus recruiting and outreach programs, referral services and resume development.

Contact: University Career Services; (912) 358-3128.

Department of Student Life

The mission of the Department of Student Life at Savannah State University is to foster an inclusive culture of student leadership development, campus and community involvement, and programming in order to develop a socially just community of lifelong learners through the provision of services and facilities. The department advocates the needs of all students to foster student pride and assist in the university efforts to retain students. Student Life services are provided through the University Housing and Residence Life, Office of Student Activities, Student Government Association and Office of Student Conduct.

Housing and Residence Life

The University Housing and Residence Life 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 *Student Handbook*, which is available in the Office of the Dean of Students.

Savannah State University offers a variety of living and learning options for students. Residence halls on campus compliment classroom instruction.

Students wishing to live on campus 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 who live in residential facilities are required to purchase a meal plan. Students who have a diet prescribed by a physician may be exempted if dining services are unable to prepare meals.

Contact: University Housing and Residence Life; (912) 358-3132.

Department of Student Life & the Office of Student Activities

The Office of Student Activities, which is part of the Department of Student Life, is responsible for enhancing student life for all students, 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.

Contact: The Office of Student Activities can be contacted at (912) 358-3127.

Student Government Association

The Student Government Association (SGA), the official representative of the student body, works closely with the university administration on matters related to student life. The SGA is comprised of students pursuing the betterment of the institution so that all members of the University community are beneficiaries of the opportunities and advantages available in an environment conductive to growth.

Contact: The Student Government Association can be contacted at (912) 358-3144.

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, Inc. Alpha Kappa Alpha Sorority, Inc. Alpha Phi Alpha Fraternity, Inc.

American Chemical Society	American Society of Civil Engineers	Beta Beta Honor Society
Beta Kappa Chi Scientific Society	Bowen-Smith Hall Council	Cheerleading Squad
Choral Music Society	Campus Ministry	Criminal Justice Club
Delta Sigma Theta Sorority, Inc.	Educator’s Rising	Environmental Science Club
Freshman Class		
Graduate Student Advisory Council	Georgia Association of Educators (GAE) Student Chapter	History Club

International Students Association

Iota Phi Theta Fraternity, Inc.	Iota Phi Lambda Business Sorority	Junior Class
Kappa Alpha Psi Fraternity, Inc.	Marine Science Club	Mass Communication Club
Master of Social Work (MSW) Student Organization	Mathematicians in Training	Minority Student Association
NAACP	National Council of Negro Women	National Pan-Hellenic Council
National Association of Black Accountants	Nontraditional Student Association	NROTC
Omega Psi Phi Fraternity, Inc.	Phi Alpha Delta Law Fraternity, Inc.	Phi Beta Lambda
Phi Beta Sigma Fraternity, Inc.	Players by the Sea	Political Science Association
Queens Coalition	Residence Hall Council	Science Student Alliance
Senior Class	Sigma Gamma Rho Sorority, Inc.	Social Workers Association
Social Workers of Tomorrow	Sociology Club	Sophomore Class
Student Orientation Leaders	SSU Marching Tiger Band	SSU Quiz Bowl Team
Student Government Association	Tiger's Roar Newspaper	Wesleyan Gospel Choir
Zeta Phi Beta Sorority, Inc.		

New and Transfer Student Orientation

The Director for Admissions and Recruitment supervises the orientation program, which is designed to assist new and transfer 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.

Fraternities and Sororities

The national fraternities organized on the campus include Alpha Phi Alpha, Delta Sigma Pi Business Fraternity*, Iota Phi Theta, Kappa Alpha Psi, Kappa Pi Honorary Art Fraternity*, Kappa Kappa Psi Honorary Band Fraternity, Phi Alpha Delta Law Fraternity, Phi Beta Sigma, and Omega Psi Phi. The national sororities organized on the campus are Alpha Kappa Alpha, Delta Sigma Theta, Iota Phi Lambda, Sigma Gamma Rho, Tau Beta Sigma Honorary Band Sorority, and Zeta Phi Beta. These organizations sponsor rich and varied programs designed for intellectual and social development. *Indicates co-ed fraternity.

Honor Societies

A number of national honor societies are active on campus. These include: Alpha Kappa Delta International Society, Alpha Phi Sigma Criminal Justice Honor Society, Inc., Beta Beta Beta Honor Society; Beta Gamma Sigma International Business Honor Society, Beta Sigma Gamma Business Honor Society, Chi Alpha Sigma Student-Athlete Honor Society, Phi Alpha National Social Work Honor

Society, Phi Kappa Mu Honor Society, Pi Gamma Mu International Honor Society in Social Sciences, Alpha Kappa Delta International Sociology Honor Society, and Golden Key National Honor Society.

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), volleyball (women only), golf (men and women), and softball (women).

Office of Student Conduct

The Office of Student Conduct's mission is to promote the development of character, citizenship, civility, individual and social responsibilities of students and student organizations at Savannah State University. The office provides programs that promote the obligations of citizenship in the University community. Students and student organizations are also provided with the tools necessary for success in pluralistic society by providing feedback about behaviors that both enhance and harm the academic community, as well as assistance and opportunities in modifying such behaviors.

Student Conduct

Students enrolled at Savannah State University are expected at all times to exemplify civility, respect and integrity. 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

Students, including Distance Learning 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 Conduct)* as listed in the Student Handbook. Examples of these actions are listed below.

- ☐ Academic misconduct
- ☐ Dress code
- ☐ Damage to public and private property
- ☐ Disorderly conduct
- ☐ Misuse of student identification cards
- ☐ Hazing
- ☐ Gambling
- ☐ Possessing explosives
- ☐ Disregard of fire safety regulations
- ☐ Hazing and/or harassment
- ☐ Violation of the local, state and federal laws
- ☐ Possession of drugs and alcoholic beverages
- ☐ Disorderly assembly
- ☐ Falsification of records
- ☐ Theft
- ☐ Unauthorized use of computer resources
- ☐ Unauthorized entry or use of University facilities
- ☐ Violation of residence hall visitation rules and regulations
- ☐ Possession of weapons
- ☐ Joint responsibility for violations

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 Coordinator 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 electronically, certified letter, or in person, the Vice President's designee will instruct the accused to contact the Division 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 Student Conduct Review Board.

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

Student Conduct Review Board

Unless the accused elects to have the case decided by the Vice President for Student Affairs' designee, the Student Conduct Review Board (comprised of faculty, staff, students and the Chief Justice) will adjudicate the case. If the accused chooses a hearing by the Student Conduct Review Board, 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 or his/her designee must be made in writing within five business 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 Hearing Body (Hearing Officer, Student Conduct Review Board or Administrative Hearing Officer). The filing of an appeal to the President or his/her designee will not postpone punishments imposed there under, by the Vice President for Student Affairs or the Hearing Body.

The accused may appeal to the President or his/her designee from a decision of the Vice President for Student Affairs or the Discipline Committee on the grounds listed below. The appellant, as appropriate, may assert additional grounds.

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 Student Conduct Review Board 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

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. Students convicted of violation 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.

Weapons

Persons found in possession of weapons will be subject to disciplinary action by the University and/or local courts. Violators will be subject to arrest, adjudication by the University and/or prosecution by local, state, and federal courts. It is against University rules and regulations for students to possess, use, or store weapons such as guns, blackjacks, bow and arrows, Taser guns, BB guns, air guns, ammunition, hunting slingshots, martial arts weapons, chemical weapons, medieval weapons, darts, knives or mace. Carrying a weapon onto or within 1,000 feet of property owned, controlled, or leased by the University is strictly prohibited.

Contact: The Office of Student Conduct is conveniently located on the SSU campus in the King-Frazier Student Center, room 247, and can be contacted at (912) 358 - 3122.

Title IX: Compliance

Sexual Harassment, Discrimination, and Assault Policy

Title IX of the Education Amendments of 1972 prohibits discrimination based on sex in education programs and activities that receive federal funding.

Title IX states: *"No person in the United States shall, on the basis of sex, be excluded from participation in, be denied the benefits of, or be subjected to discrimination under any education program or activity receiving Federal financial assistance."*

Title IX prohibits sex discrimination in any university program including, but not limited to health services, counseling, psychological services, athletics, admissions, academic programs, extracurricular activities, employment, and financial aid, housing, and student services. Title IX prohibits discrimination by and against both males and females, by students, faculty and staff, and visitors.

The policy of Savannah State University is to implement affirmative action and equal opportunity for all employees, students and applicants for employment or admission without regard to race, color, religion, national origin, gender, gender identity, sexual orientation, age, veteran status, and physical or mental disability.

Which behaviors are considered "discrimination based on sex" in violation of Title IX?

"Discrimination based on sex" contains a broad category of activities that prevent or limit the victim from participating in or benefiting from an education program or activity.

Examples of sex-based discrimination, include, but are not limited to:

• Unequal admission, participation, or employment opportunities in education programs and activities based on a person's sex

• Unequal opportunities to participate in intercollegiate athletics or to receive athletics-based financial assistance based on a person's sex.

Sexual Harassment

"Discrimination based on sex" also includes sexual harassment. This is unwelcomed sexual conduct, intimidation, or coercion that is severe and pervasive, and that prevents or limits the victim from participating in or benefiting from an education program or activity. Harassers and victims may be either male or female, and may be students, faculty, or staff.

Examples of sexual harassment include, but are not limited to:

• Criminal sexual conduct, such as rape and sexual assault

• Requesting or pressuring an individual for sexual favors

• Discussing sexual activities

• Sexual conduct of any nature, which is not freely and mutually agreeable to both parties

• Sexual remarks about one's clothing, body or sexual activities

• Sexual jokes, innuendo, texts, teasing and/or remarks

• Verbal harassment or abuse

• Stalking

• Indecent exposure

• Unnecessary touching, patting, cornering, fondling, hugging, against a person's body

CONSENSUAL RELATIONSHIPS

The existence of such a consensual relationship must be immediately disclosed to your supervisor. Consensual romantic or sexual relationships between supervisor and employee or between faculty and students are strongly discouraged. No person involved in a consensual relationship should have direct responsibility for evaluating the employment or academic performance or for making decisions regarding the promotion, tenure, or compensation of the other party to the relationship. The existence of such a consensual relationship must be immediately disclosed to your supervisor.

Retaliation is prohibited.

It is unlawful to retaliate against an individual for filing a complaint or for cooperating in an investigation of complaint regarding Title IX. SSU will take strong responsive action if retaliation occurs. Any person found to have retaliated against an individual reporting, filing, or cooperating in a Title IX matter is subject to SSU disciplinary procedures up to and including expulsion or termination.

TITLE IX

Savannah State University supports a safe learning environment for all students, faculty, staff and campus visitors. The university prohibits sex discrimination, including sexual misconduct of any kind, and enforces a Sexual Misconduct Policy. The policy applies to all students, employees and third parties, regardless of sexual orientation or gender identity. Any form of sexual misconduct, including but not limited to sexual assault, sexual exploitation, sexual harassment and stalking, will not be tolerated on the Savannah State University campus. The university encourages members of the campus community to report sexual misconduct immediately and has several tools available to ensure the process is fair, prompt and confidential.

Enrollment Management

As a resource to Savannah State University, the Office of Enrollment Management, reporting to the Division of Student Affairs, facilitates, coordinates, manages, and provides continued outstanding services to students, faculty, staff, administration, the community, prospective students, and alumni.

The Enrollment Management endeavors to promote and enrich student education through recruitment, admissions, and student services support by way of ongoing direct contact with students in their everyday lives. This mission is accomplished by working in partnership with the University community and its stakeholders.

The scope of the office is to advance the recruitment and admissions activities of the institution while achieving a healthy overall mix of high achieving students, students with limited learning support need, adult learners, transfer students, out-of-state and international students. The office is also charged with creating an enrollment profile that reflects the changing demographics of the State of Georgia and, in particular, the metropolitan areas of Savannah and the Coastal Georgia region.

By developing and/or implementing highly functional information systems, and a robust reporting environment, the Office of Enrollment Management provides ongoing analysis of the characteristics and student behaviors of current, prospective, and former students to help the University achieve its goals. It studies enrollment trends, forecasts enrollments, and develops strategies to improve recruitment and customer service efforts and endeavors.

Undergraduate Admission to the University

Persons who wish to enroll at Savannah State University must file an application, which can be obtained from the Office of Admissions or GA Futures (GAFutures.org). 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.

All new students (freshmen, transfers, and others) attending regularly scheduled classes or receiving resident credit will be required to submit a University System of Georgia Certificate of Immunization prior to attending such classes. This certificate will be kept on file in the Office of Student Health Services 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. Official documents must be issued by the records office of the previous institution(s) in a sealed envelope and mailed directly 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:

- APPLICATION FORM. An application may be obtained from the Office of Admissions or on-line at http://www.savannahstate.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 without a decision.

- CERTIFICATE OF IMMUNIZATION. All applicants must submit a copy of immunization(s) as a condition of enrollment. **This document must be on file before registration.**

- 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. Non-traditional adult candidates must submit an official high school transcript and/or official college transcript(s), if applicable. Transfer candidates with fewer than 45 transferable quarter hours, or 30 transferable semester hours should submit official transcripts from their high schools and from all colleges previously attended.

- 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 or the American College Testing. The SAT college code assigned to Savannah State University is 5609, and the ACT college code number is 0858. Non-traditional students who earned a GED certificate are also required to submit ACCUPLACER 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.

- OTHER REQUIREMENTS. The University may require applicants to appear for a personal interview and take any exams deemed appropriate in order to make a decision regarding the qualification for admission to the University.

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 admission is 1940. The required high school curriculum, ACT or SAT scores, and 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 Required High School Curriculum (RHSC) of the Board of Regents (see Required High School Curriculum).

Regular Admissions Requirements:

- **Freshman Index of 1940**
- **SAT Critical Reading score of 430 (Old SAT)/24 Reading Test (New SAT) and Math score of 400 (Old SAT)/22 Math Test (New SAT) or ACT English 17, ACT Math 17, and ACT Composite 17**
- **Minimum 2.0 GPA**
- **17 CPC Units**

Freshman Index

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

Formula for SAT
(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 (Old) 430 Critical Reading and 400 Math
SAT I (New) 24 Reading Test and 22 Math Test
ACT 17 English, 17 Math, and 17 Composite

High School Grade Point Average

A minimum of a 2.0 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 (upon receipt of final high school transcript the GPA is calculated on the 17 units used to satisfy Required High School Curriculum requirements). 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.

Required High School Curriculum

Listed are the requirements for completion of the Required High School Curriculum (RHSC). A preliminary evaluation is processed using the current high school transcript to determine if the applicant is on track 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)	* Literature (American and World) integrated with grammar, usage and advanced composition skills.
Science (4)	* Science units should include two courses with a laboratory component, GA public high school students should have at least one unit of Biology, one unit of physical science or physics, one unit of chemistry, or earth systems, environmental science, or an advance placement course, and a 4th science (some computer science courses may count as a 4th science)
Mathematics (4)	* Two courses in algebra, one in geometry, and one other math
Social Science (3)	* Courses must include one unit focusing on U.S. studies and one unit on world studies.
Foreign Language (2)	* Two courses in one language emphasizing speaking listening, reading, and writing. (computer science courses that have an emphasis on coding and programming can be used to satisfy this requirement.)

Limited Admission/Conditional Freshman Applicant

Freshmen applicants that do not meet the freshmen index for regular requirements 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.

Minimum Requirements for Limited Admissions:

- **Freshman Index of 1790**
- **2.0 grade point average**
- **SAT Critical Reading score of 430 (Old SAT)/24 Reading Test (New SAT) and Math score of 400 (Old SAT)/22 Math Test (New SAT) or ACT of 17 English, 17 Math, and 17 Composite**
- **A minimum of 17 units of CPC courses**

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 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 reading and writing section of the ACCUPLACER. Based upon the score earned, students will either be exempt from or required to enroll in the appropriate learning support 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 applicants graduating with fewer than the four required units of mathematics are required to take the math section of the ACCUPLACER. Based upon the score earned, students will either be exempt from or required to enroll in the appropriate learning support course.

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 four required units of science are required to take a laboratory science course 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.

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 from approved social science courses and pass it with a grade of ―C or better.

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 with fewer than the two required units of foreign language are required to take a three semester hour course from an approved social science courses and pass with a grade of C or better.

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 science, social science, and foreign language courses, it is necessary to complete the course with a grade of ―C or better.

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 transferring with fewer than 30 transferable credit hours of accepted transfer credits which do not include completion 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.

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. Documentation from the high school counselor is needed to verify that the student's native language satisfies the foreign language requirement.

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Exceptions to the CPC Requirements

Applicants who have not attended high school within the previous five years are exempt from Required High School Curriculum Requirements. Qualified transfer applicants and International students are exempt also.

Non-traditional applicants who are admitted with CPC exemptions in English and/or Math are required to sit for the ACCUPLACER.

Presidential Exceptions

In very special and rare circumstances, the President of Savannah State University may grant exceptions to the RHSC and FI requirements for limited admissions if students show exceptional promise for success. Only a few students can be admitted under this category. The total number of Presidential Exceptions must be included in the Limited Admit category and both categories must not exceed 20 percent of the previous Fall First Time-Full Time Freshman cohort. Applicants are required to submit two letters of recommendations and a letter demonstrating desire and competency to attend college.

Admission of Students with Disabilities

Applicants with disabilities are expected to have completed the RHSC requirement 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 RHSC 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 RHSC 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 and SAT/ACT test scores as part of their application package unless they have completed 30 transferable hours and earned a minimum GPA of a 2.0.

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

Transfer applicants are required to request the registrar of institutions they formerly attended to remit an official transcript of their records to the Office of the Registrar 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 Office of Academic Affairs.

Credit will be given for transfer course work in which a grade of "C" or better has been earned. Courses earning less than a "C" are posted on the academic record; however the coursework may not be used to satisfy graduation requirements at the university.

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. 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 Learning Support at a University System institution shall not be required to re-enroll in that area of Student Learning Support upon transfer to Savannah State University.

All transfer students from within the system shall be subject to all provisions of this policy. 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 ACCUPLACER exam scores must be on file in the Savannah State University Office of the Registrar.

Dual Enrollment/Move on When Ready (MOWR)

- Students who have completed the eleventh grade in high school and who have demonstrated outstanding ability towards academic achievement 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:
- Have a minimum Scholastic Aptitude Test (SAT I) score of 970 (with not less than 430 Critical Reading (Old SAT), 24 Reading Test (New SAT)/ 17 ACT English and
430 Math (Old SAT) 22 Math Test (New SAT) 17 ACT Math, combined verbal and mathematics sections, or the ACT composite score no less than 21;
- Have at least a minimum cumulative high school grade point average of 3.0 or numerical average of 80 or higher in academic subjects;
- Be exempt from all Student Academic Assistance or Learning Support requirements;
- Present Parental Consent Form

Courses pursued by students under this program must come from the approved course directory (found at www.gsfc.org) which is supplied to high school counselors in the state. Courses are available only in the areas of the core graduation requirements for college preparatory students: English; Mathematics; Social Studies; Science and Foreign Language.

At Savannah State University the MOWR program pays for tuition and fees as well as provides participating students with books, in keeping with the benefits provided by the HOPE Program. Students are required to pay the balance not covered by the MOWR program. Transportation and other expenses are the responsibility of the student, including fees and expenses for non-core courses, if any are taken.

Application Process/Application Procedure

The student must complete an application for admissions. The high school counselor should send an official copy of the students' transcript directly to the Admissions Office. Submit official test scores from either the College Board Scholastic Aptitude Test (SAT I) or The American College Testing Program (ACT). We will accept scores posted on high school transcripts. Please submit recommendations from the high school guidance counselor our use a Parental Agreement form from your high school signed by the guidance counselor and parent.

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. 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).

Savannah State University does not evaluate high school or college coursework completed outside of the United States. An official International Record evaluation must be completed by a university recognized agency.

Applicants must provide evidence of English language proficiency through the TOEFL. 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 530 the score on the computerized version is 225. A score of 69 is the minimum for the Internet based exam. Freshman applicants must also sit for the SAT.

Applicants may be required to take the ACCUPLACER test as well.

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. Applicants must pay the Student and Exchange Visitor Information System (SEVIS) fee and make an appointment for an F-1 Visa and must be granted the student visa prior to enrollment.

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 Office of International Education.

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. A mandatory health insurance program is required for undergraduate and graduate students.

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 may be able to qualify for the Georgia Tech engineering degree.

The freshman admission criteria for direct admission in the Regents' Engineering Pathway Program (REPP) 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 minimum GPA is 3.3 on a 4.0 grade scale for College of Computing and College of Engineering Applicants. The minimum GPA required is 3.0 on a 4.0 grade scale for College of Design, Colleges of Sciences, Ivan Allen College of Liberal Arts, Scheller College of Business applicants. Applicants are expected to complete each admission-required course sequence (English, mathematics, lab science) with a 3.0 cumulative GPA or higher. Mathematics and/or lab science courses that do not satisfy Georgia Tech degree requirements may not be included within GPA calculations. Lab sciences courses require three (2) hour lecture and one (1) hour lab components.

- Complete at least 30 credit hours of course requirements by engineering major at an REPP institution.
- Have no more than two math or lab science course requirements in progress at the document deadline (spring and summer term applicants only).
- Georgia Tech will request a recommendation from the participating institution’s coordinator.
- **Completion of all requirements does not guarantee admission. Students eligible for consideration for admission to Georgia Tech as part of our holistic review process**.

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

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 ACCUPLACER for placement.

Post-Baccalaureate/Non-Degree Students

Applicants who desire to enroll in courses that do not require Learning Support prerequisites may be admitted to enroll in no more than 9 semester hours after providing documentation of earning the equivalent of a high school diploma and applying for admissions as a non-degree student. 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 Enrolling at Savannah State University

Students officially enrolled at 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 term. These students must file a regular Application for Admission form, submit a Certificate of Immunization, submit a statement of good standing from their home institution, and have home institution's permission to take specific courses at Savannah State University.

Since transient students are not admitted as regular students, transcripts of college work completed elsewhere are not required for admissions. A transcript of coursework verifying prerequisites have been met may be required by departments. The College of Business Administration and Department of Social Work require documentation of prerequisites completion.

Transient students who wish to enroll at Savannah State University for a subsequent term must submit (from their home institutions) another statement of good standing and another permission to take specific courses.

Transient students who later wish to apply as transfer students to Savannah State University must meet all requirements for transfer applicants and must submit transcripts from all institutions attended.

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 tuition and 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 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 tuition and 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 if space is available without registering as auditors, but they may not receive credit.

Right of Appeal of Admissions Denial

In all matters concerning admissions, the applicant may appeal by writing to the Office of Admissions and state the basis for an appeal.

A written appeal must be received in the Office of Admissions at least 20 days before the first day of registration for classes for the semester for which the applicant is seeking admission.

Readmit applicants may appeal by submitting a letter to the Office of Academic Affairs prior to first day of registration. Individuals failing to satisfy the deadline may submit their appeal for the following semester.

Financial Information

Bursar's Office

The Bursar's Office is responsible for student billing and revenue collection. The office is also responsible for collecting and posting payments on student's accounts, processing refunds from overpayments, and calculating university withdrawals. The Bursar's Office contains two major components to carry out its functions, the Cashier's Office and Student Accounts.

UNIVERSITY SYSTEM OF GEORGIA
UNDERGRADUATE
FEE SCHEDULE

Fees Per Semester	In-State Tuition	Out-Of-State Tuition
Tuition (15 or more credit hours)	$ 2,429.00	$ 8,839.00
Health Fee	$ 67.00	$ 67.00
Student Activity Fee	$ 55.00	$ 55.00
Athletic Fee	$ 300.00	$ 300.00
Institutional Fee	$ 202.00	$ 202.00
Student Center/Stadium Facility Fee	$ 170.00	$ 170.00
Transportation Fee	$ 35.00	$ 35.00
Technology Fee	$ 50.00	$ 50.00
Total:	$ 3,308.00	$ 9,718.00

BOARDING STUDENTS

Fees Per Semester	In-State Tuition	Out-Of-State Tuition
Tuition (15 or more credit hours)	$ 2,429.00	$ 8,839.00
Health Fee	$ 67.00	$ 67.00
Student Activity Fee	$ 55.00	$ 55.00
Athletic Fee	$ 300.00	$ 300.00
Institutional Fee	$ 202.00	$ 202.00
Student Center/Stadium Facility Fee	$ 170.00	$ 170.00
Transportation Fee	$ 35.00	$ 35.00
Technology Fee	$ 50.00	$ 50.00
Meal Charges	$ 1,972.00	$ 1,972.00
Room Charge	$3,520.00	$3,520.00
Post Office Rental Fee	$ 9.00	$ 9.00
Laundry Fee	$ 35.00	$ 35.00
Total	$ 8,844.00	$ 15,254.00

Fees Are Due And Payable At Registration. Please Make A Personal Check, Cashier's Check, Bank Or Postal Money Order Payable To Savannah State University.

Other Fees:

Alcohol/Marijuana Fine	$500.00
Graduation Fee-Graduate	$50.00
Graduation Fee-Undergraduate	$50.00
ID Replacement	$35.00 Per Occurrence
Key Replacement	$50.00 Per Occurrence
Key Replacement-PO	$15.00 Per Occurrence
Late Graduation Fee	$100.00
Late Registration - Returning Students	$100.00 Per Semester
Library Fine	$15.00
Laundry Fee	$35.00
Major Field Test Fee	$25.00

New Student Orientation Fee	$75.00
Parking Decal- Faculty/Staff/General	$80.00 Per Year
Parking Decal-Commuters	$45.00 Per Year
Parking Decal-Reserved	$143.00 Per Year
Parking Decal-Residents	$45.00 Per Year
Parking Fine-Booted Vehicle	$54.0
Parking Fine-Exec/Reserved Space	$104.00
Parking Fine-Unauthorized Area	$35.00
Parking Fine-Unregistered/No Decal	$54.00
Post Office Rental	$9.00
Returned Check	$30.00
Room Application Fee	$50.00 Per Year
School of Teacher Education Fee	$250.00
Science Lab Fee	$50.00 Per Semester
Studio Art Class	$50.00 Per Semester
Studio Music Fee	$50.00 Per Semester
Transcript Fee	$4.00 Each

Housing Rates

Traditional Residential Facilities

Single Occupancy Room	$2,135.00 (Per Semester)
Double Occupancy Room	$1,796.00 (Per Semester)

Freshman Living Learning Center Clusters

Two Person	$3,039.00 (Per Semester)
Four Person (Double)	$2,887.00 (Per Semester)
Four Person (Double as Single)	$3,192.00 (Per Semester)
Eight Person (Single)	$2,734.00 (Per Semester)
Eight Person (Double)	$2,582.00 (Per Semester)
Eight Person (Double as Single)	$2,887.00 (Per Semester)
Summer Two Person	$1,664.00 (Per Semester)
Summer Four Person (Double)	$1,589.00 (Per Semester)
Summer Four Person (Double as Single)	$1,663.00 (Per Semester)
Summer Eight Person (Single)	$1,497.00 (Per Semester)
Summer Eight Person (Double)	$1,417.00 (Per Semester)
Summer Eight Person (Double as Single)	$1,581.00 (Per Semester)

University Village

One Bedroom/One Bath Apartment	$3,520.00 (Per Semester)
Two Bedrooms/Two Baths Apartment	$3,135.00 (Per Semester)
Four Bedrooms/Two Baths Apartment	$2,946.00 (Per Semester)
Summer One Bedroom/One Bath	$1,932.00 (Per Semester)
Summer Two Bedrooms/Two Baths	$1,720.00 (Per Semester)
Summer Four Bedrooms/Two Baths	$1,616.00 (Per Semester)

University Commons

1 Single/1 Bath	$3,429.00 (Per Semester)
2 Beds/1 Bath	$3,142.00 (Per Semester)
2 Beds/1 Bath (master)	$3,212.00 (Per Semester)
3 Beds/2 Baths	$3,070.00 (Per Semester)
3 Beds/2 Baths (master)	$3,142.00 (Per Semester)
4 Beds/2 Baths	$3,001.00 (Per Semester)
4 Bed/2 Bath (master)	$3,070.00 (Per Semester)
Summer 1 Single/1 Bath	$1,877.00 (Per Semester)
Summer 2 Beds/2 Baths	$1,661.00 (Per Semester)
Summer 2 Beds/1 Bath (master)	$1,698.00 (Per Semester)
Summer 3 Beds/2 Baths	$1,625.00 (Per Semester)
Summer 3 Beds/2 Baths (master)	$1,661.00 (Per Semester)
Summer 4 Beds/2 Baths	$1,563.00 (Per Semester)
Summer 4 Beds/2 Baths (master)	$1,625.00 (Per Semester)

Camilla Hubert

Semi Private	$3,013.00 (Per Semester)
Single Occupancy	$3,247.00 (Per Semester)
Double Occupancy	$2,887.00 (Per Semester)

Wright Hall, Tiger Place & Tiger Court

New Freshman - Semi Private	$3,013.00 (Per Semester)
New Freshman - Single Occupancy	$3,247.00 (Per Semester)

Food Services

Boarding Students - Fall/Spring

5 meals per week (meal plan reduction for medical disabilities and off-campus employment)	$725.00
10 meals per week + 200 Dining Dollars per semester	$1,490.00
14 meals per week	$1,450.00
15 meals per week + 200 Dining Dollars per semester	$1,972.00
20 meals per week	$1,899.00

Commuter Plans - Fall/Spring/Summer

10 meals per semester	$72.00
25 meals per semester	$176.00
50 meals per semester	$330.00
25 meals per Semester + 100 Dining Dollars per semester	$276.00
100 meals per Semester	$636.00

The University Reserves The Right To Make Changes In Its Fees At The Beginning Of Any Semester And Without Prior Notice.
(All Rates and Fees Are Subject To Change Without Notice)

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 assessment of charges up to the date the university becomes aware of non-attendance. No refunds for reduction in academic loads or student services 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 USG. 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 USG.

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.

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. Commuter meal plans may not be refunded.

A refund of all 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. 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: Federal Unsubsidized Direct Stafford Loan, Federal Subsidized Direct Stafford Loan, Federal PLUS Loan, Federal Perkins Loan, Federal Pell Grant, FSEOG, Other Federal, State, Private, Institutional Aid and the Student.

Financial Aid

Application for Financial Aid

Students applying for financial aid must complete the Free Application for Federal Student Aid (FAFSA) or the FAFSA renewal 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 **(school code – 001590)** as one of the institutions they plan to attend. FAFSA on the web is available at www.fafsa.ed.gov. The FAFSA and all required documents must be submitted by July1st.

If the FAFSA is selected for the verification process, students must provide requested documents promptly to the Office of Financial Aid (OFA). Students who fail to submit paperwork will not be awarded financial aid and may become ineligible to receive certain funds from a particular program. Students will be awarded financial aid upon their admittance to the University.

Federal Pell Grant

Undergraduate students who have not earned an undergraduate or professional degree are eligible for Pell Grants. The grants provide a foundation of financial aid to which other aid may be added.

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 also students who receive federal Pell Grants.

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 complete a loan counseling session online before any loan funds can be credited to their account or disbursed to them.

Georgia HOPE Scholarship Program (Helping Outstanding Pupils Educationally)

The HOPE Scholarship is a reward for scholastic achievement and an incentive to continue working hard in school. 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.

If, after attempting 30 semester hours, or at the end of the Spring Term, or at the end of the first three enrolled terms as a less-than-full-time student, the students' GPA falls below a 3.0 cumulative grade point average, the student may continue college studies at his/her own expense. If a student then earns a 3.0 cumulative grade point average at the completion of the sophomore year (60 semester hours attempted) or the junior year (90 semester hours attempted), the student may reenter the HOPE scholarship program.

Georgia Zell Miller Scholarship Program

The Zell Miller Scholarship covers 100% of tuition for students who are the Valedictorian or Salutatorian for their graduating class; or received a score of at least 1,200 combined critical reading score and math score on a single administration of the SAT or an ACT composite scale score of at least 26 and graduated from high school with at least a 3.7 calculated GPA. Students must be enrolled in a degree program. Students must have a 3.3 GPA at all checkpoints (30, 60 and 90 semester hours), at the end of the spring semester and at the end of 3 part-time terms for beginning students. Students who lose eligibility may regain the scholarship once. Students who lose eligibility for the Zell Miller Scholarship may continue to receive the HOPE Scholarship if they are eligible. Degree classes taken at any post-secondary institution are counted in the GPA calculation. This scholarship with the HOPE Scholarship cannot exceed 127 attempted hours. In addition, payment from any combination of HOPE Grant/Scholarship, Zell Miller Grant/Scholarship, and Accel Program funds (through Spring term 2011) cannot exceed 127 semester hours of credit.

Georgia Student Access Loan Program

The Georgia Student Access Loan program requires students to be a resident of Georgia. To be considered, students must complete the FAFSA application and the SAL application (at www.gafutures.org). Students must not decline any federal, institutional or private scholarships, grants, loans or military or veterans educational benefits, when available, in lieu of a SAL. SAL funds are used to cover any part of the student's Cost of Attendance for the academic period and cannot be used to offset a student's EFC. This loan has a 1% interest rate. The annual award amount may be the lesser of $10,000 or the student's Cost of Attendance minus the student's Expected Family Contribution (EFC) minus the student's Expected Financial Aid. The aggregate limit is $40,000.

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 undergraduates and graduates from private, federal, state and university-funded sources. Both undergraduate and graduate students may apply for scholarships. The eligibility requirements for each scholarship vary. Criteria for merit-based scholarships include academic achievement, standardized test scores, extracurricular activities, awards, and honors. Students with GPA's from 2.0 to 2.9 are also encouraged to apply.

Applications are available online between October 1st and February 28th for the upcoming academic year.

For more information, contact the Office of Financial Aid at (912) 358-4162 or finaid@savannahstate.edu.
Athletic scholarship information is available through the Athletic Department at (912) 358-3449.

ROTC Scholarships

Army and Navy ROTC Scholarships are available. For information regarding these scholarships, contact the Army ROTC Program at (912) 358-4272 and/or the Navy ROTC Program (912) 358-3095.

VA GI Bill Benefits

These benefits are available to all qualifying students under various VA Funded Programs as shown below. VA Payments for Tuition and Fees will be paid directly to SSU while payments for Monthly Housing Allowance and Books will be made directly to the student. Items 1-3 below are administered by the Comptroller's Office in Hill Hall. Items 4-7 below are administered by the Department of Military and Veterans Affairs. If possible, eligible students should contact the appropriate office to determine their estimated amount of benefits prior to applying for Financial Aid as some awards and/or scholarships must be discounted.

1. Tuition Assistance (TA)(Active Duty or Reserve)
2. Montgomery GI Bill Active Duty (MGIB-AD)
3. Vocational Rehabilitation and Employment Service (Voc-Rehab)
4. Post 9/11 GI Bill
5. Dependents Education Assistance Program (DEAP)
6. Montgomery GI Bill – Selected Reserves and National Guard (MGIB-SR)
7. Reserve Education Assistance Program (REAP)

Savannah State University's Policy for Determining Student Withdrawals

All schools participating in the SFA Programs are required 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 his/her 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 Financial Aid.

Satisfactory Academic Progress (SAP) Guidelines for Student Financial Aid

To be eligible to receive Financial Aid, which includes funds from federal, state and institutional programs, students must maintain satisfactory academic progress (SAP). Savannah State University (SSU) is required by the U.S. Department of Education to establish minimum standards of SAP to ensure the student is proceeding in a positive manner toward graduation. SAP is calculated each semester and includes all periods of the student's enrollment, including periods in which the student does not receive financial aid funds. Students attending SSU must be in good academic standing and making satisfactory progress with a minimum grade point average (GPA), pace of completion rate and maximum time frame, as stated below. Progress is checked at the end of each semester.

Quantitative

Students must maintain the following GPA requirements:

Attempted Hours	Minimum Cumulative GPA
0 - 29	1.70
30 - 59	1.85
60 and higher	2.00
2nd Degree	2.00
Graduate Students	3.00

Any student who fails to meet the GPA requirement will be placed on Financial Aid Warning, but, will continue to be eligible for financial aid. The student has the following semester of attendance to earn the required minimum cumulative GPA. At the end of the warning period, if the required minimum cumulative GPA is met, the student is taken off of Financial Aid Warning. If the required minimum cumulative GPA is not achieved, then the student will be placed on Financial Aid Suspension during the next semester of attendance. The student will not receive financial aid assistance while on Financial Aid Suspension. The total cumulative earned hours consist of hours earned at SSU and accepted transfer credits. Transfer credits are not included in the computation of the cumulative GPA for financial aid unless the credit was earned while attending other schools as a Transient Student where a student was taking classes at another institution as a degree-seeking SSU student.

Pace of Completion (Quantitative)

A student must successfully earn a minimum of 67% of the cumulative coursework attempted at SSU. Failure to complete this minimum percentage will result in a student being placed on Financial Aid Warning during the next semester of attendance. If the student completes 67% of the coursework attempted during the warning semester, then the student will be taken off of Financial Aid Warning. If the student completes less than 67% of cumulative coursework attempted during the warning semester, then the student will be placed on Financial Aid Suspension for the next attending semester. The Total Earned Hours at SSU divided by the Total Attempted Hours at SSU must be at least 67% to maintain eligibility.

Time Frame

All students must complete their program of study within a maximum time frame of one and-one-half (150%) times the length of the program in which they are enrolled. This means that once a student has attempted one-and-one-half times the minimum number of credit

hours necessary for completing program requirements, the student will be ineligible to receive financial aid. Attempted hours include all attempted hours at SSU and all attempted transfer credit. Students who have completed all the coursework for their degree but have not received the degree are no longer eligible for aid. Second degree students are required to complete their second degree within the

maximum 150% of the hours required for the second degree. If the time limit has been exceeded, aid eligibility ends. The student will be placed on Financial Aid Suspension status. There is no Financial Aid warning period.

Grades

Grades of IP (in-progress), W (withdrew) and WF (withdrew failing) are not included in calculating a student's GPA, but are counted as course work attempted. I (incomplete) is counted as an F. All grade changes must be submitted and processed during the first 10 days of classes of the following semester. Any changes after the first 10 days of the following semester will not be included in the SAP calculation. Learning Support grades of a D or better earned at SSU are added to the Attempted and Earned hours but not in the GPA. CPC classes are added to the attempted hours only.

Repeated Hours

All repeated hours are counted in Pace of Completion calculation, however, only the highest grade is counted in the GPA calculation.

Academic Renewal

The U. S. Department of Education does not recognize academic amnesty or academic renewal in relation to financial aid satisfactory academic progress. SSU is required to include all courses and grades in evaluating a student’s satisfactory academic progress. However, if there were special circumstances involved SSU may be able to approve a SAP appeal and place the student on Financial Aid Probation.

Transfer Students

Transfer students accepted by SSU, not previously enrolled at SSU, will be classified as maintaining SAP for the first semester enrolled. At the end of the first semester, the student's grades will be measured in accordance with the SSU's SAP policy. Transfer credits will be counted as attempted and, if accepted, earn credits for the calculation of maximum time-frame only.

Financial Aid Suspension

Once a student is on Financial Aid Suspension, the student must pay for the next attending semester at his or her own expense (alternative loans may be used). All federal, state and institutional funds are removed for the semester(s) the student is on Financial Aid Suspension. Until the student meets SAP requirements or have a successfully approved appeal, the student will remain on Financial Aid Suspension.

Appeal of Financial Aid Suspension

Students have the right to appeal their suspension of financial aid if they have extenuating circumstances that prevented them from making SAP. Extenuating circumstances are limited to 1) death or serious illness or injury to an immediate family member, 2) extended hospitalization or medical condition of the student, 3) victimization of a violent crime or natural disaster, 4) work related difficulties, and 5) other unexpected documented situations. Lack of transportation to school, poor class performance, and pursuit of a double or dual major are not extenuating circumstances. The appeal must be specific, typed, and address the student's entire previous academic performance as well as how the circumstances have changed so that the student can meet SAP. The appeal form must be completed online

at the SSU website. The SAP appeal form must be submitted by the 1st day of the semester in which the student plans to attend. Failure to adhere to this time line will result in the student losing the right to appeal the financial aid suspension for that semester.

The SAP Appeals Committee will review appeals at the end of the semester after grades are posted. The time period the student can submit an appeal is posted on the "Appeal of Financial Aid Suspension" form. The Office of Financial Aid will notify the student of the committee's decision via campus email. Decision results will be available on PAWS. Due to FERPA, decision information cannot be given over the phone. Students who wish to appeal the decision (except for maximum time limit) may appeal to the Vice President of Business and Finance prior to the beginning of the semester for which aid is being requested. This is the final level of appeal regarding financial aid.

Until the appeal is approved, the student should consider him or herself ineligible until notice is received otherwise. Future decisions of enrollment should be under the assumption that financial aid will not be provided and that payment of tuition will be the obligation of the enrolling student.

If approved, the student will be placed on Financial Aid Probation status for the subsequent semester(s). While on Financial Aid Probation, the Office of Financial Aid may require the student to maintain a specified percentage of semester coursework, cumulative GPA, receive tutorial assistance and/or complete an Academic Plan. If any of the prescribed conditions are not met, eligibility will be denied. The student will be awarded based on funds available and replacement of previously awarded funds is not guaranteed.
A student is expected to know the SAP Policy. Students can review their SAP status on PAWS after final grades have been processed.

The Office of Financial Aid attempts to notify students when they are on Financial Aid Suspension; however, sometimes students do not receive notification due to circumstances beyond the control of the Office of Financial Aid. If a student is not notified of the Financial Aid Suspension, that does not excuse a student from the Financial Aid Suspension, nor does it exempt a student from appealing in a timely manner.

If you have questions about Financial Aid, please call 912-358-4162.

Auxiliary Services

The Auxiliary Services Department is an organization within the Division of Business and Financial Affairs, responsible for providing services both directly and indirectly to students, faculty, staff, and the University community. By policies of the Board of Regents, the Department must be totally self-supporting; no state funds are allocated to the activities. The Department is subject to rules and

regulations of the University System of Georgia. Auxiliary Services is committed to providing quality, value, and excellence in customer service, while assuring best uses of available resources.

Currently, Savannah State University's Auxiliary Services Department is responsible for the following: SSU Bookstore, SSU Mail Center, dining services, snack and beverage vending, photocopy services, parking and transportation, and the ID Card Office. For additional information, see http://www.savannahstate.edu/fiscal-affairs/auxiliary-services.shtml.

Bookstore

SSU Bookstore is an integral part of the academic and social life of the university. In addition to textbooks and school supplies, students can find a variety of SSU logo clothing and specialty items in the store and online. There are also many products that will make their lives easier in their student living spaces, such as paper products, personal items and room decorations.

The bookstore will match prices of books sold online by companies such as Amazon, B&N, and Chegg (no peer-to-peer) with a 10% discount. The bookstore provides a rental service, in addition to book buy-back for full purchases at posted times during each semester. For additional information, including hours of operation, please see the SSU Bookstore website.

The SSU Bookstore is located on the first floor of the King-Frazier Complex.

Dining Services

Savannah State University has been defined by the Board of Regents of the University System of Georgia as a residential institution. Therefore, the University must provide on-campus facilities for room and board. All students who live in on-campus housing must purchase a meal plan. Students may choose between four resident meal plans when they choose their housing and are automatically billed via the Banner Student Information System accordingly. There is no refund for missed meals, and meals do not carry over from one semester to another. Resident students leaving housing will be billed for meal plans on a prorated basis. Commuter meal plans are available for off- campus students. Commuter students who withdraw are billed at the casual rate for the meals they have eaten, or the full cost of the meal plan, whichever is lower. Additional information is found on the SSU Dining Services website.

SSU ID-Card Office

All students must carry their SSU ID Card at all times while they are on campus. SSU ID Cards can be used for meal plans, residence hall access, and computer lab printing, as well as photocopying, bookstore, and mail center purchases. Funds can be placed on the card using the PHIL (machine closest to the window outside the Savannah Ballroom) in the King-Frazier Student Center or the PHIL in the Student Union (next to the ATM on the first floor).

Parking

Resident students and commuter students who have a vehicle on campus are required to purchase a decal which entitles them to park in one of the parking areas designated for students. Resident students must leave their vehicles in their assigned lot or in General Residential Parking during the parking restriction hours (7:30 a.m. to 4:00 p.m., Monday - Friday on class days). Vehicles on campus without appropriate decals, or who are parked inappropriately, are subject to ticketing, booting, and/or towing.

Photocopying

The Document Center is available to create documents and have them printed for a fee.

Shuttle Service

All students pay a mandatory transportation fee. This fee is then paid to Chatham Area Transit to provide shuttle services on and off campus throughout much of the day and on weekends. In addition, students ride for free on all CAT regular bus lines. See www.catchacat.org for schedules.

SSU Mail Center

The SSU Mail Center is located on the first floor of the King-Frazier Complex. Stamps can be purchased and letters or packages can be mailed. Resident students are each charged a nominal fee for a mailbox, which is assigned by the Mail Center upon request. The service window is open from 8:30 a.m. to 4:30 p.m., Monday – Friday, except for University Holidays. Students are notified by SSU e-mail when there is a package for them at the Mail Center.

Vending

Auxiliary Services is responsible for snack and vending machines on campus. If there is a problem with a machine, or if you have a suggestion for a product, please notify our office at 912-358-3109.

Information Technology Services

Computers and technology are integral parts of the University. They facilitate teaching, learning (both online and traditional) and administrative functions. The University maintains a state of the art local-area network through state and federal funding.

The University's infrastructure is supported by a campus-wide fiber optics backbone and wireless network, connecting campus users to speeds up to 1 gigabit (GB). PeachNet, supplying a 50-megabit (MB) Internet path for faculty, staff, and administrators and a dedicated 100-megabit Internet path for the residential network, supports internet connectivity. The University's supporting applications include electronic mail; a campus-wide distributed messaging system, a university web site (http://www.savannahstate.edu), door card access, and communication support and remote access services.

Teaching and learning is supported through the establishment of general purpose and specialized computer labs, in both PC and MAC formats, in academic and residential facilities. The University offers distance education through Video Conferencing and Blackboard Vista to deliver distributed e learning. The Center for Academic Success (CAS) supports the design and development of online and web-enhanced courses as well as faculty training for course navigation. The University's library offers online services with access to Galileo Interconnected Libraries (GIL) - a Board of Regents supported Web-based virtual library, satellite down links, a SSU/GaTech Regional Engineering Program (GTREP), and local centralized application support.

The University's administrative functions are supported through SunGard's Banner - a student information system, PeopleSoft Financials and Human Resources systems, an automated work order system, electronic building security, and Blackboard - 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 population.

Core Curriculum

All students, regardless of major, must complete the University's core curriculum (Areas A – E). 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. All students should complete the forty two (42) hours of core curriculum requirements during the first two years and prior to enrollment in their major classes. Area F (courses appropriate to the program of study) consists of 18 hours.

Note: In addition to the core, students must also complete five additional university hours

Core Area A – Essential Skills		**9 hours**
ENGL 1101	Composition I	3 hours
ENGL 1102	Composition II	3 hours
MATH 1111	College Algebra*	3 hours
MATH 1113	Pre-Calculus**	3 hours

* For non-science majors **For science majors

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

Core Area B – Institutional Options		**5 hours**
AFRS 1501	Survey of African-American Experience	2 hours
HUMN 1201	Critical Thinking & Communication	3 hours

Core Area C – Humanities/Fine Arts		**6 hours**
Select one of the following:		
ENGL 2110	World Literature	3 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 2222	African American Literature	3 hours
PHIL 2010	Introduction to Philosophy	3 hours
PHIL 2030	Ethics	3 hours
Select one of the following:		
ARTS 1101	Introduction to Visual Arts	3 hours
ENGL 2521	Introduction to Film Appreciation	3 hours
HUMN 2011	Humanities	3 hours
MUSC 1101	Introduction to Music	3 hours
THEA 2101	Introduction to Theatre	3 hours

Core Area D – Science, Mathematics & Technology

Option I – Non-Science Majors		**10 hours**
Non-science majors can take any science course to satisfy the requirements for Area D without having to submit a course substitution form.		
ASTR 1010	Introduction to Astronomy	3 hours
BIOL 1103	General Biology	3 hours
BIOL 1104	Human Biology	3 hours
CISM 1130	Computer Applications	3 hours
CSCI 1130	Computer Applications	3 hours
CSCI 1301	Computer Science I	3 hours
ENVS 1140	Environmental Issues	3 hours
FSCI 1101	Intro to Molecular Forensic Science	3 hours
ISCI 1101	Integrated Science I	3 hours

Option I – Non-Science Majors, continued		
Select any combination of classes from the following for a total of seven (7) credit hours:		
BIOL 1103	General Biology I	3 hours
BIOL 1103L	General Biology I Lab	1 hour
BIOL 1104	Human Biology	3 hours
BIOL 1104L	Human Biology Lab	1 hour
CHEM 1101K	Introduction to Chemistry	4 hours
ISCI 1111K	Integrated Science II	4 hours
MSCI 1501K	Introduction to Marine Biology	4 hours
PHSC 1011K	Physical Science I	4 hours
PHYS 1111K	Introductory Physics I	4 hours

Option II – Science Majors		**11 hours**
Select one 3 hour course:		
ASTR 1010	Introduction to Astronomy	3 hours
BIOL 1107	Principles of Biology I	3 hours
CISM 1130	Computer Applications	3 hours
CSCI 1130	Computer Applications	3 hours
CSCI 1301	Computer Science I	3 hours
CSCI 1371	Computing for Engineers & Scientists	3 hours
CHEM 1211	Principles of Chemistry I	3 hours
ENVS 1140	Environmental Issues	3 hours
Select two 4 hour courses or two 3 hour courses and lab:		
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	Principles of Chemistry II Lab	1 hour
PHSC 1011K	Physical Science I	4 hours
PHSC 1012K	Physical Science II	4 hours
PHYS 1111K	Introductory Physics I	4 hours
PHYS1112K	Introductory Physics II	4 hours
PHYS 2211K	Principles of Physics I	4 hours
PHYS 2212K	Principles of Physics II	4 hours

Core Area E – Social Sciences		**12 hours**
POLS 1101	American Government	3 hours
POLS 2401	Global Issues	3 hours

Core Area E – Social Sciences, continued		
Choose one of the following:		
HIST 2111	U.S. History to the Post-Civil War Period	3 hours
HIST 2112	U.S. History from the Post-Civil War Period to Present	3 hours
Choose one of the following:		
AFRS 2000	Introduction to Africana Studies	3 hours
ANTH 1101	Introduction to Anthropology	3 hours
ECON 2105	Principles of Macro-Economics	3 hours
GEOG 1101	Introduction to Human Geography	3 hours
HIST 1111	World History to Early Modern Times	3 hours
HIST 1112	World History Early Modern Times to Present	3 hours
PSYC 1101	Introduction to Psychology	3 hours
PSYC 2103	Human Growth & Development	3 hours
SOCI 1101	Introduction to Sociology	3 hours
SOCI 1160	Social Problems	3 hours
Total Hours Required in the Core Curriculum		**42 hours**

Area F – Courses Appropriate to the Program of Study	**18 hours**

Note: Area F requirements vary according to the major program. See an advisor in the program of study for these requirements.

Additional University Requirements		**5 hours**
Choose one of the following:		
BUSA 1103	College of Business Administration – Freshmen Year Experience	2 hours
CLAS 1103	College of Liberal Arts and Social Sciences – Freshman Year Experience	2 hours
COMM 1000	College of Liberal Arts and Social Sciences – Freshmen Year Experience -Mass Communications Colloquium	2 hours
COST 1103	College of Sciences and Technology – Freshmen Year Experience	2 hours
Choose one of the following:		
HEDU 1101	Concepts in Healthful Living	2 hours
HEDU 1111	Physical Fitness for Life	2 hours
HEDU 1201	Physical Activity & Stress Management	2 hours
HEDU 1211	Physical Activity & Body Composition	2 hours
Choose one of the following:		
HEDU 1140	Tennis I	1 hour
HEDU 1150	Beginning Golf	1 hour
HEDU 1301	Weight Training	1 hour
HEDU 1401	Physical Conditioning	1 hour
HEDU 1501	Modern Dance Techniques	1 hour
HEDU 1521	Aerobic Dancing	1 hour
HEDU 1601	Swimming I	1 hour
HEDU 1611	Swimming II	1 hour
HEDU 1621	Aqua Dynamics	1 hour

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.

Academic Degree Programs

College of Business Administration

Major	*Degree*
Accounting	BBA
Business Management	BBA
Business Marketing	BBA
Computer Information Systems	BBA
Global Logistics and International Business	BBA
Associate of Science Degree	AS

College of Liberal Arts and Social Sciences

Major	*Degree*
Africana Studies	BA
Behavior Analysis	BSBA
Criminal Justice	BS
English Language and Literature	BA
History	BA
Homeland Security and Emergency Management	BA
Mass Communications	BA
Political Science	BS
Sociology	BS
Social Work	BSW
Visual and Performing Arts	BFA
Associate of Science Degree	AS

College of Sciences and Technology

Major	*Degree*
Biology	BS
Chemistry	BS
Civil Engineering Technology	BS
Computer Science Technology	BS
Electronics Engineering Technology	BS
Environmental Science	BS
Forensic Science	BS
Marine Sciences	BS
Mathematics	BS
Associate of Science Degree	AS
Associate of Science in Marine Sciences	AS

School of Teacher Education

Major	*Degree*
Biology (with a Concentration in Secondary Education)	BS
Civil Engineering Technology (with a Technology Education Track)	BS
Electronics Engineering Technology (with a Technology Education Track)	BS
Mathematics (with a Concentration in Secondary Education)	BS
Middle School Teacher Education (in cooperation with Armstrong State University	BS

College of Business Administration

The College of Business Administration offers a four-year professional program that combines general education with broad based business programs. 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. Building on the liberal arts foundation, students are exposed to the functional areas of business and business tools to develop a clear understanding of how organizations work. Major areas of study provide students with the opportunity for in depth study in the selected major.

The College of Business Administration offers programs of study leading to the Bachelor of Business Administration degree (B.B.A.) with majors in Accounting, Computer Information Systems, Global Logistics and International Business, Management, and Marketing. The College also offers an online BBA in Management where students can complete all the junior and senior level requirements completely online. Additionally, the College of Business Administration offers a Master's Degree in Business Administration (MBA).

Vision Statement

Building on the rich history of Savannah State University, the College of Business Administration will be a premier, student-centered college in our region, where students can maximize their options and fulfill their potential in an environment that embraces diversity. The College will create an efficient, service oriented culture that is responsive to the needs of students, faculty, staff, alumni and the community.

Mission Statement

The College of Business Administration contributes to its community through excellence in teaching, scholarship, and professional engagement. Faculty and students are involved in intellectual contributions and professional engagement that impact business practices and management education. In an environment that embraces diversity and accountability and fosters integrity and respect, the college provides high quality business programs at the undergraduate and graduate levels that prepare students for successful careers.

Guiding Values

The following "Guiding Values" were formulated as part of COBA's strategic planning process and adopted by COBA faculty members:

- **Integrity**. We believe that students' academic performance rises with high faculty expectations and mentoring.
- **Diversity**. We believe that the college's increasingly diverse learning environment is beneficial to the future of our students.
- **Accountability**. We believe that applied experiences enhance student responsibility and personal growth.
- **Respect.** We believe that integration and reinforcement of ethical and leadership values are essential throughout the students' COBA experience.
- **Excellence**. We believe that mastery of business, communication, and interpersonal skills is critical to developing professional and successful students.

Accreditation

The College of Business Administration is accredited by AACSB International, the Association to Advance Collegiate Schools of Business. AACSB International accreditation represents the highest standard of achievement for business schools worldwide.

Academic Counseling

Students are advised by the Center for Academic Success, found in Whiting Hall room 253, during their Freshmen and Sophomore years. Upon becoming a Junior, students are assigned academic advisors in the College of Business Administration within their major.

Advisement prior to registration is essential for two reasons: verification of prerequisites; and taking major level courses, which are offered once a year, at the appropriate time. Students should also work with their advisors to develop a plan of academic progress.

Advisement Process

The Advisor Listing and Academic Grid Sheets are available at COBA Student Services (Jordan 141). Prior to registration, students should update Academic Grid Sheet using the DegreeWorks tool in PAWS. Advisement appointments are held during the advisor's scheduled office hours.

Academic Regulations

- At least 25% - or 30 semester hours, excluding institutional Additional Requirements - must be taken in residence in order for a student to earn a (B.B.A.) degree from Savannah State.
- To graduate, business majors must complete Areas A through F of the core curriculum with a minimum adjusted grade point average of 2.0.
- To graduate, business majors must complete, with a grade of "C" or better in each of the following courses: ENGL 1101, ENGL 1102, CISM/CSCI 1130, MATH 1111, all courses in Area F (Business Core), Area G (Foundation Knowledge of Business) and the Major Area (Tracks).
- "42 Hour Rule" - Business students may enroll in 3000 or above level courses in the College of Business Administration after successful completion of 42 semester hours including all courses listed in Area F, provided all course-specific prerequisites have been satisfied. Students will not be eligible to take 3000 level business courses prior to having completed 60 credit hours (junior standing) unless all Area F courses are completed.

Transfer Students

- The Dean of the College of Business Administration determines eligibility for transfer of credit for business course work, which will apply toward business degrees. Newly accepted transfer students should contact the COBA Student Services office for their evaluation prior to advisement and registration.
- Business courses taken at University System of Georgia universities and senior colleges with AACSB accreditation will transfer if the prerequisites at Savannah State have been satisfied.
- Business courses completed at the lower division level at other institutions will not be awarded transfer credit if these courses are offered at the junior and senior levels at Savannah State University.
- Transfer students entering as a sophomore or above may be allowed to substitute a course for BUSA 1101 if an appropriate course is available.

Transient Students

Business students may take courses as a transient student at another college/university. COBA Student Services works with students to make sure they are enrolling in an eligible school and taking the correct courses.

Transient Letters should be submitted to Savannah State University's Registrar office no less than 3 weeks prior to the Admissions deadline of the transient school. Forms are submitted online.

Incoming Transient Students

Students attending Savannah State University as a transient student must contact COBA Student Services for enrollment. To be registered, an official transcript is required to verify completion of course prerequisites.

Core Curriculum

Areas A, B, C, D, E and additional requirements		**47 hours**
Area F - Business Core		**18 hours**
ACCT 2101	Principles of Financial Accounting	3 hours
ACCT 2102	Principles of Managerial Accounting	3 hours
ECON 2105	Principles of Macro Eco	3 hours
ECON 2106	Principles of Micro Eco	3 hours
BUSA 2105	Com in the Business Environment	3 hours
BUSA 2106	The Environment of Business	3 hours
Area G – Foundation Knowledge of Business		**33 hours**
BUSA 1101	Leadership & Dev I	1 hour
MATH 1113	Pre-calculus	3 hours
BUSA 2182	Intro to Business Statistics	3 hours
CISM 2130	Business Information Systems	3 hours
BUSA 3145	Global Business Issues	3 hours
FINC 3155	Business Finance	3 hours
MGNT 3165	Management of Organization	3 hours
MKTG 3175	Principles of Marketing	3 hours
MGNT 3185	Operations Management	3 hours
BUSA 4126	Business Policy	3 hours
General Elective (Choose one 2000/3000/4000 course from the following: ACCT, BUSA, CISM, FINC, MGNT, MKTG)		3 hours

Area of Specialization - Choose one of the following (24 hours)

Accounting — 24 hours

The following courses are required of all Accounting majors		*21 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
ACCT 4111	Intermediate Financial Accounting III	3 hours
ACCT 4117	Auditing	3 hours
Choose one (1) from the following:		
ACCT 3114	Federal Income Taxation of Corporations & Partnerships	3 hours
ACCT 4116	Accounting for Not-for-Profit Inst.	3 hours
ACCT 4118	Advanced Managerial Accounting	3 hours
BUSA 4229	Administrative Practice & Internship	3 hours
BUSA 4999	Study Abroad	3 hours

Computer Information Systems — 24 hours

The following courses are required of all CIS majors		*21 hours*
CISM 2140	Introduction to Programming: Visual Basic	3 hours
CISM 3137	Systems Analysis & Design	3 hours
CISM 3232	Web Application Development	3 hours
CISM 3325	Data Communication & Computer Networks	3 hours
CISM 4137	Database Design & Implementation	3 hours
CISM 4157	Advanced Web Application Development	3 hours

Computer Information Systems, continued

Choose one (1) from the following:		
CISM 4138	Contemporary Topics in CIS	3 hours
CISM 4900	Occupational Internship	3 hours
BUSA 4229	Administrative Practice & Internship	3 hours
BUSA 4999	Study Abroad	3 hours
MKTG 3179	E- Marketing	3 hours

Global Logistics and International Business — 24 hours

Choose (4) from the following		
Logistics Focus		
GLIB 3190	Global Supply Chain Management	3 hours
GLIB 3195	Global Operation Management	3 hours
GLIB 3197	Global Business Logistics	3 hours
GLIB 4190	International Trans. & Carrier Man	3 hours
BUSA 4229	Admin. Practice and Internship	3 hours
Choose (4) from the following		
International Business		
GLIB 4192	International Strategic Management	3 hours
GLIB 4194	International Trade: Theory & Policy	3 hours
MGNT 4198	International Business Management	3 hours
MKTG 3179	Global Electronic Business	3 hours
MKTG 4179	International Marketing & Export Man.	3 hours
BUSA 4999/ STAB 4101	Study Abroad	3 hours
Choose four (4) 3000/4000 level electives from the following:		
ACCT, BUSA, CISM, MGNT, MKTG		12 hours

— 24 hours

CHIN1001	Elementary Chinese	3 hours
GLIB 2109	Business Strategies for Emerging Markets	3 hours
MKTG 3179	Global Electronic Business	3 hours
MGNT 3190	Global Supply Chain Management	3 hours
GLIB 3195	Global Operations Management	3 hours
GLIB 3197	Global Business Logistics	3 hours
MGNT 4168	International Business Management	3 hours
MKTG 4179	International Business Marketing and Export Management	3 hours

Management — 24 hours

The following courses are required of all Management majors		*18 hours*
MGNT 3190	Global Supply Chain Management	3 hours
MGNT 3196	Entrepreneurship & Small Business Management	3 hours
MGNT 3300	Organizational Behavior & Theory	3 hours
MGNT 4110	Leadership in Organizations	3 hours
MGNT 4165	Human Resource Management	3 hours
MGNT 4168	International Business Management	3 hours
Choose two (2) from the following:		
MGNT 4166	Human and Labor Relations	3 hours
MGNT 4169	Quality Management	3 hours
MGNT 4800	Contemporary Topics in Management	3 hours
MKTG 3179	Global Electronic Business	3 hours
MKTG 4116	Marketing Research	3 hours
BUSA 4229	Administrative Practice & Internship	3 hours

CISM 4200	Project Management	3 hours	BUSA 4999	Study Abroad	3 hours

Marketing		**24 hours**
The following courses are required of all Marketing majors:		*18 hours*
MKTG 3178	Buyer Behavior	3 hours
MKTG 3179	Global Electronic Business	3 hours
MKTG 4116	Marketing Research	3 hours
MKTG 4175	Advertising & Promotion	3 hours
MKTG 4179	International Business Marketing & Export Management	3 hours
MKTG 4185	Strategic Marketing	3 hours
Choose two (2) from the following		
MKTG 3176	Professional Selling	3 hours
MKTG 3177	Retail Management	3 hours
MKTG 4176	Contemporary Topics in Marketing	3 hours
BUSA 4229	Administrative Practice & Internship	3 hours
BUSA 4999	Study Abroad	3 hours

Minor in Business (Non-Business Majors only)		**15 hours**
ACCT 2101	Principles of Financial Accounting*	3 hours
ECON 2106	Principles of Micro-Economics*	3 hours
BUSA 3000	Personal Finance*	3 hours
MGNT 3165	Management of Organizations*	3 hours
MKTG 3175	Principles of Marketing*	3 hours

*All courses must be passed with a "C" or better and all prerequisites must be adhered to.

Minor in Global Logistics (Non-Business Majors only)		**18 hours**
CHIN 1001	Elementary Chinese I	3 hours
GLIB 2109	Business Strategies for Emerging Markets	3 hours
GLIB 3195	Global Operations Management	3 hours
GLIB 3197	Global Business Logistics	3 hours
MGNT 4168	International Business Management	3 hours
MKTG 4179	International Business Marketing and Export Management	3 hours

Programs of Study – Bachelor of Business Administration

Accounting

	FALL SEMESTER		SPRING SEMESTER	
FRESHMAN YEAR	ENGL 1101-English Composition I	3*	ENGL 1102-English Composition II	3*
	MATH 1111-College Algebra	3*	ACCT 2101-Prin of Financial Acct	3*
	CSCI/CISM 1130-Computer Appl	3*	ECON 2105-Prin of Macro Econ	3*
	Area D: Non-Lab Science	3	HUMN 1201-Critical Thinking & Comm	3
	BUSA 1103-Freshman Year Experience	2	MATH 1113-PreCalculus	3*
	AFRS 1501-Survey of Af Amer Exp	2	BUSA 1101-Leadership & Prof Dev I	1*
		16		16
SOPHOMORE YEAR	ACCT 2102-Prin of Managerial Acct	3*	BUSA 2185-Business Research	2*
	BUSA 2105-Comm in the Bus Env	3*	CISM 2130-Business Info Systems	3*
	BUSA 2106-The Environment of Bus	3*	MGNT 3165-Management of Org[&]	3*
	ECON 2106-Principles of Micro Econ	3*	Area C: Option 1 (ENGL/PHIL)	3
	BUSA 2182-Intro to Bus Statistics	3*	POLS 1101-American Government	3
	HEDU Course	1	HEDU Course	2
		16		16
JUNIOR YEAR	**ACCT 3111-Intermediate Fin Acc I**	3*	**ACCT 3112-Intermediate Fin Acc II**	3*
	ACCT 3113-Fed Inc Tax	3*	MKTG 3175-Principles of Marketing	3*
	Area C: Option 2 (Fine Arts)	3	BUSA 3145-Global Business Issues	3*
	HIST 2111 or 2112-US History	3	FINC 3155-Business Finance	3*
	Area D: Lab Science	4	General Business Elective	3*
		16		15
SENIOR YEAR	**ACCT 3115-Cost/Managerial Acct**	3*	**ACCT 3117-Accounting Info Systems**	3*
	ACCT 4111-Intermediate Fin Acc III	3*	**ACCT Elective**	3*
	ACCT 4119-Internal Auditing	3*	BUSA 4126-Business Policy	3*
	MGNT 3185-Operations Management	3*	Free Elective	3
	POLS 2401-Global Issues	3	Area E: Option	3
		15		15

Notes:

*A minimum grade of "C" is required for this course.

[&] To be eligible for upper division courses in Sophomore year, a student must have completed at least 42 earned credit hours *and* have completed Area F (ACCT 2101, ACCT 2102, ECON 2105, ECON 2106, BUSA 2105, BUSA 2106).

Business Management

	TRACK	FALL SEMESTER		SPRING SEMESTER	
FRESHMAN YEAR	Both	ENGL 1101-English Composition I	3*	ENGL 1102-English Composition II	3*
		MATH 1111-College Algebra	3*	ACCT 2101-Prin of Financial Acct	3*
		CSCI/CISM 1130-Computer Appl	3*	ECON 2105-Prin of Macro Econ	3*
		AFRS 1501-Survey of Af Amer Exp	2	HUMN 1201-Critical Thinking & Comm	3
		Area D: Non-Lab Science	3	MATH 1113-PreCalculus	3*
		BUSA 1103-Freshman Year Experience	2	BUSA 1101-Leadership & Prof Dev I	1*
SOPHOMORE YEAR	Both	ACCT 2102-Prin of Managerial Acct	3*	BUSA 2185-Business Research	2*
		BUSA 2105-Comm in the Bus Env	3*	CISM 2130-Business Info Systems	3*
		BUSA 2106-The Environment of Bus	3*	MGNT 3165-Management of Org[&]	3*
		ECON 2106-Principles of Micro Econ	3*	Area C: Option 1 (ENGL/PHIL)	3
		BUSA 2182-Intro to Bus Statistics	3*	POLS 1101-American Government	3
		HEDU Course	1	HEDU Course	2
JUNIOR YEAR	Traditional	**MGNT 3196-Entr & Small Bus Mgnt**	3*	**MGNT 3300-Org Theory & Beh**	3*
		MGNT 4165-Human Resource Mgnt	3*	**MGNT 4110-Leadership in Org**	3*
		MKTG 3175-Principles of Marketing	3*	MGNT 3185-Operations Management	3*
		FINC 3155-Business Finance	3*	General Business Elective	3*
		Area D: Lab Science	4	Area C: Option 2 (Fine Arts)	3
	General / Online	**MGNT 3196-Entr & Small Bus Mgnt**	3*	**MGNT 3300-Org Theory & Beh**	3*
		MGNT 4165-Human Resource Mgnt	3*	**MGNT Major Elective (see grid for options)**	3*
		MKTG 3175-Principles of Marketing	3*	MGNT 3185-Operations Management	3*
		FINC 3155-Business Finance	3*	General Business Elective	3*
		Area D: Lab Science	4	Area C: Option 2 (Fine Arts)	3
SENIOR YEAR	Traditional	**MGNT 4168-Int'l Bus Mgnt**	3*	**MGNT Elective**	3*
		MGNT Elective	3*	**MGNT Elective**	3*
		BUSA 3145-Global Business Issues	3*	BUSA 4126-Business Policy	3*
		HIST 2111 or 2112-US History	3	Free Elective	3
		POLS 2401-Global Issues	3	Area E: Option	3
	General / Online	**MGNT 4168-Int'l Bus Mgnt**	3*	**MGNT Major Elective (see grid for options)**	3*
		MGNT Major Elective (see grid for options)	3*	**MGNT Major Elective (see grid for options)**	3*
		BUSA 3145-Global Business Issues	3*	BUSA 4126-Business Policy	3*
		HIST 2111 or 2112-US History	3	Free Elective	3
		POLS 2401-Global Issues	3	Area E: Option	3

Notes:

*A minimum grade of "C" is required for this course.

[&] To be eligible for upper division courses in Sophomore year, a student must have completed at least 42 earned credit hours *and* have completed Area F (ACCT 2101, ACCT 2102, ECON 2105, ECON 2106, BUSA 2105, BUSA 2106).

Business Marketing

	TRACK	FALL SEMESTER		SPRING SEMESTER	
FRESHMAN YEAR	All	ENGL 1101-English Composition I	3*	ENGL 1102-English Composition II	3*
		MATH 1111-College Algebra	3*	ACCT 2101-Prin of Financial Acct	3*
		CSCI/CISM 1130-Computer Appl	3*	ECON 2105-Prin of Macro Econ	3*
		AFRS 1501-Survey of Af Amer Exp	2	BUSA 1101-Leadership & Prof Dev I	1*
		Area D: Non-Lab Science	3	HUMN 1201-Critical Thinking & Comm	3
		BUSA 1103-Freshman Year Experience	2	MATH 1113-PreCalculus	3*
			16		16
SOPHOMORE YEAR	All	ACCT 2102-Prin of Managerial Acct	3*	BUSA 2185-Business Research	2*
		BUSA 2105-Comm in the Bus Env	3*	CISM 2130-Business Info Systems	3*
		BUSA 2106-The Environment of Bus	3*	MKTG 3175-Principles of Marketing&	3*
		ECON 2106-Principles of Micro Econ	3*	Area C: Option 1 (ENGL/PHIL)	3
		BUSA 2182-Intro to Bus Statistics	3*	POLS 1101-American Government	3
		HEDU Course	1	HEDU Course	2
			16		**16**
JUNIOR YEAR	General	**MKTG Major Elective (see grid for options)**	3*	**MKTG 4179-Int'l Mkt & Export Mgnt**	3*
		MKTG Major Elective (see grid for options)	3*	**MKTG Major Elective (see grid for options)**	3*
		MGNT 3165-Management of Org	3*	MGNT 3185-Operations Management	3*
		FINC 3155-Business Finance	3*	General Business Elective	3*
		Area D: Lab Science	4	Area C: Option 2 (Fine Arts)	3
	Advertising	**MKTG Major Elective (see grid for options)**	3*	**MKTG 4179-Int'l Mkt & Export Mgnt**	
		MKTG Major Elective (see grid for options)	3*	**MKTG Major Elective (see grid for options)**	3*
		MGNT 3165-Management of Org	3*	MGNT 3185-Operations Management	3*
		FINC 3155-Business Finance	3*	General Business Elective	3*
		Area D: Lab Science	4	Area C: Option 2 (Fine Arts)	3
	Sales	**MKTG 3176-Professional Selling**	3*	**MKTG 4176-Advanced Selling**	3*
		MKTG 3186-Sales Management	3*	**MKTG 4179-Int'l Mkt & Export Mgnt**	3*
		MGNT 3165-Management of Org	3*	MGNT 3185-Operations Management	3*
		FINC 3155-Business Finance	3*	General Business Elective	3*
		Area D: Lab Science	4	Area C: Option 2 (Fine Arts)	3
SENIOR YEAR	General	**MKTG 4116-Marketing Research**	3*	**MKTG 4185-Marketing Management**	3*
		MKTG Major Elective (see grid for options)	3*	**MKTG Major Elective (see grid for options)**	3*
		BUSA 3145-Global Business Issues	3*	BUSA 4126-Business Policy	3*
		HIST 2111 or 2112-US History	3	Free Elective	3
		POLS 2401-Global Issues	3	Area E: Option	3
	Advertising	**MKTG 4116-Marketing Research**	3*	**MKTG 4185-Marketing Management**	3*
		MKTG Major Elective (see grid for options)	3*	**MKTG Major Elective (see grid for options)**	3*
		BUSA 3145-Global Business Issues	3*	BUSA 4126-Business Policy	3*
		HIST 2111 or 2112-US History	3	Free Elective	3
		POLS 2401-Global Issues	3	Area E: Option	3
	Sales	**MKTG 4116-Marketing Research**		**MKTG 4185-Marketing Management**	3*
		MKTG Major Elective (see grid for options)	3*	**GLIB 4194-International Trade**	
		BUSA 3145-Global Business Issues	3*	BUSA 4126-Business Policy	3*
		HIST 2111 or 2112-US History	3	Free Elective	3
		POLS 2401-Global Issues	3	Area E: Option	3

Notes:

*A minimum grade of "C" is required for this course.

[&] To be eligible for upper division courses in Sophomore year, a student must have completed at least 42 earned credit hours *and* have completed Area F (ACCT 2101, ACCT 2102, ECON 2105, ECON 2106, BUSA 2105, and BUSA 2106).

Computer Information Systems

	FALL SEMESTER		SPRING SEMESTER	
FRESHMAN YEAR	ENGL 1101-English Composition I	3*	ENGL 1102-English Composition II	3*
	MATH 1111-College Algebra	3*	ACCT 2101-Prin of Financial Acct	3*
	CSCI/CISM 1130-Computer Appl	3*	ECON 2105-Prin of Macro Econ	3*
	Area D: Non-Lab Science	3	HUMN 1201-Critical Thinking & Comm	3
	AFRS 1501-Survey of Af Amer Exp	2	MATH 1113-PreCalculus	3*
	BUSA 1103-Freshman Year Experience	2	BUSA 1101-Leadership & Prof Dev I	1*
		16		16

SOPHOMORE YEAR	ACCT 2102-Prin of Managerial Acct	3*	CISM 2130-Business Info Systems	3*
	BUSA 2105-Comm in the Bus Env	3*	**CISM 2137- System Analysis & Design**	3*
	BUSA 2106-The Environment of Bus	3*	BUSA 2185-Business Research	2*
	ECON 2106-Principles of Micro Econ	3*	Area C: Option 1 (ENGL/PHIL)	3
	BUSA 2182-Intro to Bus Statistics	3*	POLS 1101-American Government	3
	HEDU Course	1	HEDU Course	2
		16		16

JUNIOR YEAR	**CISM 3232-Web Design & Devel**	3*	**CISM 3140- Intro to Prog: Visual Basic**	3*
	CISM 4137-Database Design & Impl	3*	MKTG 3175-Principles of Marketing	3*
	FINC 3155-Business Finance	3*	General Business Elective	3*
	MGNT 3165-Management of Org	3*	HIST 2111 or 2112-US History	3
	Area D: Lab Science	4	Area C: Option 2 (Fine Arts)	3
		16		15

SENIOR YEAR	**CISM 3325-Data Comm & Comp Net**	3*	**CISM 4900-Occupational Internship**	3*
	CISM Elective[&]	3*	**CISM 4200-Project Mgnt**	3*
	BUSA 3145-Global Business Issues	3*	BUSA 4126-Business Policy	3*
	MGNT 3185-Operations Management	3*	Free Elective	3
	POLS 2401-Global Issues	3	Area E: Option	3
		15		15

Global Logistics and International Business

	FALL SEMESTER		SPRING SEMESTER	
FRESHMAN YEAR	ENGL 1101-English Composition I	3*	ENGL 1102-English Composition II	3*
	MATH 1111-College Algebra	3*	ACCT 2101-Prin of Financial Acct	3*
	CSCI/CISM 1130-Computer Appl	3*	ECON 2105-Prin of Macro Econ	3*
	AFRS 1501-Survey of Af Amer Exp	2	MATH 1113-PreCalculus	3*
	Area D: Non-Lab Science	3	BUSA 1101-Leadership & Prof Dev I	1*
	BUSA 1103-Freshman Year Experience	2	HUMN 1201-Critical Thinking & Comm	3
SOPHOMORE YEAR	ACCT 2102-Prin of Managerial Acct	3*	GLIB 2109-Bus Strat for Emerg Mkt	3*
	BUSA 2105-Comm in the Bus Env	3*	CISM 2130-Business Info Systems	3*
	BUSA 2106-The Environment of Bus	3*	BUSA 2185-Business Research	2*
	ECON 2106-Principles of Micro Econ	3*	MGNT 3165-Management of Org[&]	3*
	BUSA 2182-Intro to Bus Statistics	3*	MKTG 3175-Principles of Marketing[&]	3*
	HEDU Course	1	HEDU Course	2
JUNIOR YEAR	**GLIB Major Elective (see grid for options)**		**GLIB Major Elective (see grid for options)**	3*
	GLIB Major Elective (see grid for options)		**GLIB Major Elective (see grid for options)**	3*
	FINC 3155-Business Finance	3*	MGNT 3185-Operations Management	3*
	Area C: Option 1 (ENGL/PHIL)	3	Area C: Option 2 (Fine Arts)	3
	Area D: Lab Science	4	POLS 1101-American Government	3
SENIOR YEAR	**GLIB Major Elective (see grid for options)**	3*	**GLIB Major Elective (see grid for options)**	3*
	GLIB Major Elective (see grid for options)	3*	**GLIB Major Elective (see grid for options)**	3*
	HIST 2111 or 2112-US History	3	BUSA 4126-Business Policy	3*
	BUSA 3145-Global Business Issues	3*	Free Elective	3
	POLS 2401-Global Issues	3	Area E: Option	3

Notes:

*A minimum grade of "C" is required for this course.

[&] To be eligible for upper division courses in Sophomore year, a student must have completed at least 42 earned credit hours *and* have completed Area F (ACCT 2101, ACCT 2102, ECON 2105, ECON 2106, BUSA 2105, and BUSA 2106).

Master of Business Administration Program

The Master of Business Administration (MBA) program is designed to prepare students for careers in management and leadership in both the private and public sectors. Students acquire a comprehensive foundation in the functional areas of business, the global environment in which they will function, and the analytical tools for intelligent and ethical decision-making. The Association of Advance Collegiate Schools of Business (AACSB International) accredits the MBA program. **(See Graduate Catalog for details)**

College of Liberal Arts and Social Sciences

The College of Liberal Arts and Social Sciences (CLASS) comprises six departments--Fine Arts, Humanities, and Wellness; English Languages, and Cultures; Journalism and Mass Communications; Political Science and Public Affairs; Social and Behavioral Sciences and Social Work. The College offers majors in English, Journalism and Mass Communications, Behavior Analysis, History, Criminal Justice, Social Work, Sociology, Homeland Security and Emergency Management, Political Science, Africana Studies, and Visual and Performing Arts.

The following areas of concentration are offered: Religious and Philosophical Studies, Foreign Language, Online Journalism, Public Relations and Advertising, Audio and Video, Applied Forensic Analysis, Pre-Law, Public Administration, and International and Comparative Politics. The College also offers three Master's degree programs, the Master of Public Administration, the Master of Social Work, and the Master of Science in Urban Studies and Planning.

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 promote the belief that demography is not destiny: all students have a potential to graduate, and all students should be held to a high level of expectation;
To provide students with a body of knowledge in the humanities, social sciences, arts, and wellness that empowers critical, visionary scholarship;
To promote an inclusive environment that encourages students to develop intellectually, physically, ethically, emotionally and aesthetically;
To provide an overarching culture that supports and nurtures students through relationships cultivated between faculty and students;
To provide learning experience that promotes critical and analytical thinking and effective communications 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 tradition of African-American and African culture and serve as a repository of knowledge about African-American experience; and
To promote a desire for learning, a concern for humanity, human rights and the ideals of equality, citizenship and social justice.

Academic Counseling
Students in the College of Liberal Arts and Social Sciences are assigned an academic advisor in their major. 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 advisor before registering. Students should also work with their advisor to develop a plan of academic progress. In addition, students should alert their advisor immediately when they deviate from their approved academic plan.

Transient Students
Students enrolled at Savannah State University in CLASS who would like to be a Transient Student at another college/university for a given semester should follow these instructions:

- Select the course(s) you would like to take at the college/university; using the course descriptions from both institutions, make sure the course(s) are comparable to a course(s) here at SSU.
- Make a copy of the catalog course description from the other college/university and from Savannah State University.
- If the course falls under the College of Business Administration (COBA) or the College of Science and Technology (COST), please have the appropriate department sign off on the course description page to certify that the course is an appropriate transfer course.
- Bring the completed Transient Form, catalog descriptions and other supporting documentation to your academic advisor and department chair. Submit the application with signatures for processing to the Dean’s Office. (Allow five business days for processing). All forms turned in after the posted deadlines will be subject to a longer processing time regardless of the deadline for the institution for which you are applying for transient status.

Department of English, Languages, and Cultures

Mission
The Department of English, Languages, and Cultures offers a multidisciplinary, student-centered approach to learning that enriches the whole person and the larger community. Through programs in writing, literature, and global languages and cultures, the department provides the strong foundation of a liberal arts education rooted in the Africana traditions. The department engages learners in a high level of scholarly and creative work, develops critical and creative thinking and communication skills, and fosters a desire for life-long learning, self-efficacy, and civic involvement.

Departmental Description
The Department of English, Languages, and Cultures includes the programs of composition, English Language and Literature, and Foreign Languages. These programs provide a variety of course offerings in literature, writing, and foreign languages (Arabic, Chinese, French, Portuguese, and Spanish). The department offers courses leading to a baccalaureate degree (B.A.) in English Language and Literature; in addition, it 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 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 and Area C-Humanities/Fine Arts.

The department contributes to a liberal arts education through which students develop competence in communication skills, including reading, writing, speaking, listening, analysis, and critical thinking; become familiar with one or more foreign languages; explore the interdisciplinary approach in Africana Studies; and prepare for careers in a variety of areas requiring communication and critical thinking skills, or for graduate study in language and literature as well as pre-professional areas such as law, library science, medicine, and education.

English Composition
Entering freshmen who meet the requirements of regular admission are placed in ENGL 1101. Applicants who do not meet the requirements for regular admission may be placed in ENGL 1101 with a co-requisite ENGL 0999 or in ENGL 0099 in the Center for Academic Success.

As Area A “Essential Skills” requirements in the Core Curriculum, ENGL 1101 and 1102 require passing grades of “C” or higher. Completion of ENGL 1102 is a prerequisite for 2000-level literature courses.

Advanced Placement and Credit by Examination
Students who earned the grade of 3 or above on the Advanced Placement Test or 50 on the Freshman English CLEP may be exempted from ENGL 1101 with credit. Students who receive a 3 or above in French, Spanish, Arabic or Chinese on the Advanced Placement Test may be exempted from the first course in language (1001) with credit.

Students who have taken the International Baccalaureate examination or CLEP examination in Spanish or French and have had scores reported to Savannah State University should consult the appropriate test score credit policies to determine whether they should enroll the 1001, 1002, or 2001 level of the course.

English Language and Literature Major

Students majoring in English language and literature will complete at least thirty-nine semester hours in language, writing, and literature, 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 thirty-nine hours required for the major.

As sophomores, students should prepare to major in English by taking ENGL 2104 and 2105. ENGL 2105 is a prerequisite to all literature courses on the 3000 or 4000 level. For students entering in fall, 2016 or later, other courses required in area F include Introduction to African American Literature (ENGL 2222), World Literature I or II, and two language courses on the intermediate level. Other requirements are shown in the grid below.

Academic Requirements
Senior English majors must 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 their advisor prior to registering each semester.
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 listed under Area F.

Program of Study – English Language and Literature
(The following program applies to students who started the program before fall 2016)
Program of Study – English Language and Literature
(The following program applies to students who started the program before fall 2016)

Core Curriculum

Areas A, B, C, D, E, and additional requirements		**47 hours**
Area F courses appropriate to the major		**18 hours**
ENGL 2104	Advanced Composition	3 hours
ENGL 2105	Introduction to Literary Criticism	3 hours
ENGL 2222	Introduction to African American Literature	3 hours
ENGL 3321	Introduction to Language Study	3 hours
Foreign Language (2 courses in the same language):		
	Foreign Language I	3 hours
	Foreign Language II	3 hours
Hours required for Major		**60 hours**
Major Requirements		*24 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 4011	Shakespeare	3 hours
ENGL 4700	Senior Seminar	3 hours

Choose one (1) creative writing course: ENGL 3416 Creative Non-Fiction ENGL 3417 Poetry ENGL 3418 Fiction	3 hours
A 3000/4000 level course in African American Literature	3 hours
Any five (5) 3000/4000 level ENGL courses not required elsewhere	*15 hours*
Minor or additional coursework (at least 9 hours at or above 3000 level)	*15 hours*
Open Electives	*6 hours*
TOTAL	**125 hours**

Note: *As of Spring 2010, English majors may choose a formal minor in another area as listed in the SSU Catalog*

OR complete 15 hours of coursework of their choosing. At least nine (9) of those hours must be at the 3000 or 4000 level.

NEW ENGLISH MAJOR REQUIREMENTS

(The following requirements apply to students who enter Fall Semester 2016 or later.)

Core Curriculum		
Areas A, B, C, D, E, and additional requirements		**47 hours**
Area F courses appropriate to the major		**18 hours**
ENGL 2104	Advanced Composition	3 hours
ENGL 2105	Introduction to Literary Criticism	3 hours
ENGL 2111 or 2112	World Literature I or II	3 hours
ENGL 2222	Introduction to African American Literature	3 hours
Foreign Language (2 courses in the same language at the intermediate level):		
	Foreign Language 2001	3 hours
	Foreign Language 2002	3 hours
Hours required for Major		**60 hours**
Major Requirements		*27 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 4011	Shakespeare	3 hours
ENGL 4700	Senior Seminar	3 hours

Choose one (1) creative writing course:		
ENGL 3416	Creative Non-Fiction	3 hours
ENGL 3417	Poetry	
ENGL 3418	Fiction	
A 3000/4000 level course in African American Literature		3 hours
Any five (5) 3000/4000 level ENGL courses not required elsewhere		*15 hours*
Minor or additional coursework (at least 9 hours at or above 3000 level)		*15 hours*
Open Electives		*3 hours*
TOTAL		**125 hours**

Note: *As of Spring 2010, English majors may choose a formal minor in another area as listed in the SSU Catalog OR complete 15 hours of coursework of their choosing. At least nine (9) of those hours must be at the 3000 or 4000 level.*

Minor in English Language and Literature

A minor in English consists of fifteen hours in English courses beyond those used in fulfillment of Area A, C, F or other requirements. Courses required for the minor are either ENGL 2104 or ENGL 2105, one course in African American literature, and three other ENGL courses not counted as a core course or elsewhere on the student's grid. At least nine of the fifteen hours must be on the 3000- or 4000-level.

NOTE: For students admitted before Fall Semester 2010, the previous minor requirements (ENGL 2105, one British literature class, one American literature class, one African American literature class, and one other ENGL class) may be used.

Area of Concentration in French or 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 concentration consists of the second intermediate course (2002) in the language and twelve additional hours at the 3000 or 4000 level.

Students should begin language study at a level appropriate for their previous preparation. Students should take note of the language requirements in their majors since some majors do not permit credit for 1001 or 1002 except as open electives.

Area of Concentration in French or 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 concentration consists of the second intermediate course (2002) in the language and twelve additional hours at the 3000 or 4000 level.

Students should begin language study at a level appropriate for their previous preparation. Students should take note of the language requirements in their majors since some majors do not permit credit for 1001 or 1002 except as open electives.

Department of Humanities, Fine Arts, and Wellness

Mission

The Department of Humanities, Fine Arts, and Wellness offers an interdisciplinary curriculum that focuses on the holistic approach to student-centered learning. Through creative inquiry, critical thinking, communication skills, and healthful concepts of living, the department engages students within innovative learning environments that prepare learners for an authentic, career-oriented and civic-minded application of skills that engender a desire for life-long learning and healthy living.

Visual and Performing Arts Program

The Department of Humanities, Fine Arts, and Wellness offers courses leading to the (Bachelor of Fine Arts) in the Visual and Performing Arts. The Visual and Performing Arts program also delivers fine arts courses as fulfillment of core requirements, as electives, and as advanced courses leading to a minor (15 credit hours) in music, visual art, dance, and theatre. Students of all disciplines collaborate on productions and other related projects throughout the year threading connections throughout the arts. The program also provides opportunities for student engagement in the Visual and Performing arts through concerts, theatrical and dance productions, visual art exhibitions, festivals, open studios, visiting artists, community outreach, study abroad, conferences and guest lectures.

The Visual and Performing Arts program provides a comprehensive interdisciplinary curriculum in music, theatre, dance, and visual arts. The program utilizes individualized instruction to develop aesthetic and technical competency, a global perspective on the arts and an appreciation of diverse modes of expression. Building on the robust artistic culture of the community and region, the program encourages collaboration, creating opportunities for students to exhibit their artistic skills and to explore varied careers in the visual and performing arts.

Visual and Performing Arts Major

By the time they complete 12 credit hours within their respective concentration area, students must fulfill the requirements below in order to be fully admitted to the BFA program.

Visual Arts
Portfolio submitted, reviewed & awarded a score of at least 75%
Evidence of previous related experience
Two letters of recommendation

Music
Audition completed & awarded a score of at least 75%
Evidence of previous related experience
Two letters of recommendation

Theatre and Dance
Audition completed and awarded a score of at least 75%
Evidence of previous related experience
Two letter of recommendation

Program Requirements and Expectations

Auditions and portfolio reviews will be held on the last day of classes of the fall and spring semesters. Students should meet with their advisors to review the expectations and evaluation criteria for their individual discipline prior to the audition or portfolio submission. Students are also strongly encouraged to take FINE 2104 – Portfolio and Career Marketing, prior to audition.

Visual and Performing Arts majors will participate in a variety of activities and events in and out of the classroom as part of the BFA program experience. Students are expected to spend additional hours outside of class requirements honing their skills through practice studio work. Throughout their matriculation, students will receive verbal, written, and peer critiques of their work.

As appropriate to their area of concentration, students are required to participate in the Savannah State University Marching Band and/or band ensembles, Savannah State University Concert Choir, program-sponsored theatre and dance productions, and art exhibitions. As part of their capstone experience, seniors in the Visual and Performing Arts program are required to organize and present their work in the form of a senior exhibit (Visual Art), recital (Music) or production (Theatre and Dance). In order to be approved for

graduation, all Visual and Performing Arts majors must also score at least 80% on the program exit exam and undergo an exit interview.

Dance Concentration

Concentration in Dance, Bachelor of Fine Arts Degree in Visual and Performing Arts
Department of Fine Arts, Humanities, and Wellness

Freshman Fall	Credit	Grade	Freshman Spring	Credit	Grade
Area A: ENGL 1101	3		Area A: ENGL 1102	3	
Area A: MATH 1101 or Math 1111	3		Area B: AFRS 1501	2	
Area C: THEA 2101	3		Area B: Humn 1201	3	
Area E: CLAS 1103	2		Area F: THEA 2601	3	
Area E: HEDU 1101,1111,1201, or 1211	2		Area E: HEDU 1-cred	1	
Area F: DNCE 1501	3		Area F: DNCE 2501	3	
TOTAL HOURS	**16**		**TOTAL HOURS**	**15**	
Sophomore Fall	**Credit**	**Grade**	**Sophomore Spring**	**Credit**	**Grade**
Area C: ENGL 2110; 2121; 2122 (or equiv.)	3		Area D: Science w/ Lab	4	
Area F: Foreign Language I	3		Area F: FINE 2999 or FINE 2909	3	
Area D: BIOL 1103, CSCI 1301, ISCI 1101 (or equiv.)	3		Area F: Foreign Language II	3	
Area E: HIST 2111 or 2112	3		Area F: Dance Major Elective	3	
Area F: Ballet I	3		Area E: POLS 1101	3	
TOTAL HOURS	**15**		**TOTAL HOURS**	**16**	
Junior Fall	**Credit**	**Grade**	**Junior Spring**	**Credit**	**Grade**
Area F: FINE 2104	3		Area D: Science (BIOL 1103, CSCI 1301, ISCI 1101 or equiv.)	3	
Area F: DNCE 3501	3		Area F: DNCE 3502	3	
Area F: FINE 2601	3		Area F: THEA 3123	3	
Area F: THEA 3122	3		Area F: DNCE 4501 or major elective	3	
Area F: DNCE 4500 or major elective	3		Area F: THEA 3125	3	
			Area F: FINE 2999 or FINE 2909	3	
TOTAL HOURS	**15**		**TOTAL HOURS**	**18**	
Senior Fall	**Credit**	**Grade**	**Senior Spring**	**Credit**	**Grade**
Area F: General Elective	3		Area F: General Elective	3	
Area F: FINE 4999 Senior Thesis or FINE 3999 Internship	3		Area F: FINE 4999 Senior Thesis or FINE 3999 Internship	3	
Area F: DNCE 4500 or Major Elective	3		Area F: Additional Major History	3	
Area E: POLS 2401	3		Area F: THEA 4111	3	
Area E: Additional Social Science	3		Area F: DNCE 4501 or Major Elective	3	
TOTAL HOURS	**15**		**TOTAL HOURS**	**15**	
			Total Degree Hours		125

Voice Emphasis

Music Concentration, Bachelor of Fine Arts Degree in Visual and Performing Arts
Department of Fine Arts, Humanities, and Wellness

Freshman Fall	Credit	Grade		Freshman Spring	Credit	Grade
ENGL 1101	3			ENGL 1102	3	
MATH 1101- Mathematical Modeling	3			MUSC 1101 (or equiv.)	3	
MUSC 1311 – Theory I	2			MUSC 2101 – Theory II	3	
MUSC 1201 – Fundamentals of Keyboard	1			AFRS 1501-Survey of African Amer Exp	2	
MUSC 2645 Voice Performance I	2			MUSC 3645 Voice Performance II	2	
MUSC 1455 Ensemble	1			MUSC 2409 or 2455 Ensemble	1	
CLAS 1103 Freshman Year Exp.	2			HIST 2111 or 2112	3	
HEDU 1101,1111,1201, or 1211	2					
TOTAL HOURS	**16**			**TOTAL HOURS**	**17**	
Sophomore Fall	**Credit**	**Grade**		**Sophomore Spring**	**Credit**	**Grade**
ENGL or PHIL 2110 (or equiv.)	3			BIO 1103 W/LAB	4	
MUSC 3111 Theory III	3			MUSC 2644 Applied Lesson	1	
MUSC 3121 Music History I	3			MUSC 4011 Theory IV	3	
MUSC 2641 Applied Lesson	1			MUSC 3122 Music History II	3	
BIOL 1103, CSCI 1301, ISCI 1101 (or equiv.)	3			MUSC 3644 Applied Lesson	1	
MUSC 3641 Applied Lesson	1			MUSC 3751 Conducting	3	
MUSC 2408 or 2808 Ensemble	1			MUSC 2809 Ensemble	1	
TOTAL HOURS	**15**			**TOTAL HOURS**	**16**	
Junior Fall	**Credit**	**Grade**		**Junior Spring**	**Credit**	**Grade**
Humn 1201-Critical Thinking & Comm	3			BIOL 1103, CSCI 1301, ISCI 1101	3	
PYSC 2103	3			HIST 2111 or 2112 American Govt	3	
Foreign Lang. I	3			Foreign Lang. II	3	
FINE 2104, 2909, 2999, or 2601	3			FINE 2104, 2909, 2999, or 2601	3	
MUSC 4641 Applied Lesson	1			MUSC 4644 Applied Lesson	1	
MUSC 3408 Ensemble	1			MUSC 4809 Ensemble	1	
MUSC 3651 Dicton	2			MUSC 3653 Vocal Pedagogy	2	
TOTAL HOURS	**16**			**TOTAL HOURS**	**16**	
Senior Fall	**Credit**	**Grade**		**Senior Spring**	**Credit**	**Grade**
POLS 1101 American Gov.	3			FINE 3999 Internship	3	
MUSC 3011 or 4010	3			FINE 2104, 2909, 2999, or 2601	3	
FINE 4999 Senior Thesis	3			MUSC or FINE Elective	3	
HEDU 1140	1			Elective	3	
FINE 2104, 2909, 2999, or 2601	3			Elective	3	
POLS 2401 Global Issues	3					
TOTAL HOURS	**16**			**TOTAL HOURS**	**15**	

Studio Art Emphasis (Updated 9/22/14)

Visual Art Concentration, Bachelor of Fine Arts Degree in Visual and Performing Arts
Department of Fine Arts, Humanities, and Wellness

Freshman Fall	Credit	Grade		Freshman Spring	Credit	Grade
ENGL 1101	3			ENGL 1102	3	
MATH 1101- Mathematical Modeling or Math 1111-College Algebra	3			ARTS 1060-Color/Composition	3	
ARTS 1010-Drawing I	3			ARTS 1011-Drawing II	3	
ARTS 1101 (or equiv.)	3			AFRS 1501-Survey of African Amer Exp	2	
CLAS 1103 Freshman Year Exp.	2			Humn 1201-Critical Thinking & Comm	3	
HEDU 1101,1111,1201, or 1211	2			FINE 2601- Technical Theatre	3	
				HEDU 1140	1	
TOTAL HOURS	**16**			**TOTAL HOURS**	**18**	
Sophomore Fall	**Credit**	**Grade**		**Sophomore Spring**	**Credit**	**Grade**
ENGL or PHIL 2110 (or equiv.)	3			BIO 1103 W/LAB	4	
ARTS 1030-3D Design	3			ARTS 2800-New Media Design	3	
Foreign Language I	3			FINE 2104-Portfolio/Career Marketing	3	
BIOL 1103, CSCI 1301, ISCI 1101 (or equiv.)	3			Foreign Language II	3	
POLS 1101 - American Govt.	3			Lower Division Studio Art	3	
Additional Social Science	3					
TOTAL HOURS	**18**			**TOTAL HOURS**	**16**	
Junior Fall	**Credit**	**Grade**		**Junior Spring**	**Credit**	**Grade**
Lower Division Studio Art	3			BIOL 1103, CSCI 1301, ISCI 1101 (or equ	**3**	
Lower Division Studio Art	3			Art History	3	
Upper Division Studio Art	3			FINE 2909-Business Through Arts	3	
HIST 2111 or 2112	3			Lower Division Studio Art	3	
FINE 3999 - Legal Aspects	3			Upper Division Studio Art	3	
Art Histoy	3					
TOTAL HOURS	**18**			**TOTAL HOURS**	**15**	
Senior Fall	**Credit**	**Grade**		**Senior Spring**	**Credit**	**Grade**
POLS 1101 American Gov.	3			Art History	3	
General Elective	3			Internship or Thesis	3	
Upper Division Studio	3			General Elective	3	
ARTS 4900 - Issues In Studio Art	3					
Senior Thesis or Internship	3					
TOTAL HOURS	**15**			**TOTAL HOURS**	9	

Dance Emphasis **Updated 9/22/14**

Concentration in Dance, Bachelor of Fine Arts Degree in Visual and Performing Arts

Freshman Fall	Credit	Grade	Freshman Spring	Credit	Grade
Area A: ENGL 1101	3		Area A: ENGL 1102	3	
Area A: MATH 1101 or Math 1111	3		Area B: AFRS 1501	2	
Area C: THEA 2101	3		Area B: Humn 1201	3	
Area E: CLAS 1103	2		Area F: THEA 2601	3	
Area E: HEDU 1101,1111,1201, or 1211	2		Area E: HEDU 1-cred	1	
Area F: DNCE 1501	3		Area F: DNCE 2501	3	
TOTAL HOURS	**16**		**TOTAL HOURS**	**15**	
Sophomore Fall	**Credit**	**Grade**	**Sophomore Spring**	**Credit**	**Grade**
Area C: ENGL 2110; 2121; 2122 (or equiv.)	3		Area D: Science w/ Lab	4	
Area F: Foreign Language I	3		Area F: FINE 2999 or FINE 2909	3	
Area D: BIOL 1103, CSCI 1301, ISCI 1101 (or equiv.)	3		Area F: Foreign Language II	3	
Area E: HIST 2111 or 2112	3		Area F: Dance Major Elective	3	
Area F: Ballet I	3		Area E: POLS 1101	3	
TOTAL HOURS	**15**		**TOTAL HOURS**	**16**	
Junior Fall	**Credit**	**Grade**	**Junior Spring**	**Credit**	**Grade**
Area F: FINE 2104	3		Area D: Science (BIOL 1103, CSCI 1301, ISCI 1101 or equiv.)	3	
Area F: DNCE 3501	3		Area F: DNCE 3502	3	
Area F: FINE 2601	3		Area F: THEA 3123	3	
Area F: THEA 3122	3		Area F: DNCE 4501 or major elective	3	
Area F: DNCE 4500 or major elective	3		Area F: THEA 3125	3	
			Area F: FINE 2999 or FINE 2909	3	
TOTAL HOURS	**15**		**TOTAL HOURS**	**18**	
Senior Fall	**Credit**	**Grade**	**Senior Spring**	**Credit**	**Grade**
Area F: General Elective	3		Area F: General Elective	3	
Area F: FINE 4999 Senior Thesis or FINE 3999 Internship	3		Area F: FINE 4999 Senior Thesis or FINE 3999 Internship	3	
Area F: DNCE 4500 or Major Elective	3		Area F: Additional Major History	3	
Area E: POLS 2401	3		Area F: THEA 4111	3	
Area E: Additional Social Science	3		Area F: DNCE 4501 or Major Elective	3	
TOTAL HOURS	**15**		**TOTAL HOURS**	**15**	
			Total Degree Hours		125

Instrumental Emphasis

Music Concentration, Bachelor of Fine Arts Degree in Visual and Performing Arts
Department of Fine Arts, Humanities, and Wellness

Freshman Fall	Credit	Grade
ENGL 1101	3	
MATH 1101- Mathematical Modeling	3	
MUSC 1311 – Theory I	2	
MUSC 1201 – Fundamentals of Keyboard	1	
MUSC 2641 Applied Lesson	1	
MUSC 1455 Ensemble	1	
MUSC 1408 Ensemble	1	
CLAS 1103 Freshman Year Exp.	2	
HEDU 1101,1111,1201, or 1211	2	
TOTAL HOURS	**16**	

Freshman Spring	Credit	Grade
ENGL 1102	3	
MUSC 1101 (or equiv.)	3	
MUSC 2101 – Theory II	3	
Afrs 1501-Survey of African Amer Exp	2	
MUSC 2644 Applied Lesson	1	
MUSC 2409 or 2455 Ensemble	1	
HIST 2111 or 2112	3	
TOTAL HOURS	**16**	

Sophomore Fall	Credit	Grade
ENGL or PHIL 2110 (or equiv.)	3	
MUSC 3111 Theory III	3	
MUSC 3121 Music History I	3	
POLS 1101 American Gov.	3	
BIOL 1103, CSCI 1301, ISCI 1101 (or equiv.)	3	
MUSC 3641 Applied Lesson	1	
MUSC 2408 or 2808 Ensemble	1	
TOTAL HOURS	**17**	

Sophomore Spring	Credit	Grade
BIO 1103 W/LAB	4	
POLS 2401 Global Issues	3	
MUSC 4011 Theory IV	3	
MUSC 3122 Music History II	3	
MUSC 3644 Applied Lesson	1	
MUSC 3751 Conducting	3	
MUSC 2809 Ensemble	1	
TOTAL HOURS	**18**	

Junior Fall	Credit	Grade
Humn 1201-Critical Thinking & Comm	3	
PYSC 2103	3	
Foreign Lang. I	3	
FINE 2104, 2909, 2999, or 2601	3	
MUSC 4641 Applied Lesson	1	
MUSC 3408 Ensemble	1	
MUSC 3421 Inst. Methods I	2	
TOTAL HOURS	**16**	

Junior Spring	Credit	Grade
BIOL 1103, CSCI 1301, ISCI 1101 (or equiv.)	3	
HIST 2111 or 2112 American Govt.	3	
Foreign Lang. II	3	
FINE 2104, 2909, 2999, or 2601	3	
MUSC 4644 Applied Lesson	1	
MUSC 4809 Ensemble	1	
MUSC 3422 Inst. Methods II	2	
TOTAL HOURS	**16**	

Senior Fall	Credit	Grade
MUSC 4420 Inst. Pedagogy	2	
MUSC 3011 or 4010	3	
FINE 4999 Senior Thesis	3	
HEDU 1140	1	
FINE 2104, 2909, 2999, or 2601	3	
TOTAL HOURS	**12**	

Senior Spring	Credit	Grade
FINE 3999 Internship	3	
FINE 2104, 2909, 2999, or 2601	3	
MUSC or FINE Elective	3	
Elective	3	
Elective	3	
TOTAL HOURS	**15**	

Keyboard Emphasis

Music Concentration, Bachelor of Fine Arts Degree in Visual and Performing Arts
Department of Fine Arts, Humanities, and Wellness

Freshman Fall	Credit	Grade		Freshman Spring	Credit	Grade
ENGL 1101	3			ENGL 1102	3	
MATH 1101- Mathematical Modeling	3			MUSC 1101 (or equiv.)	3	
MUSC 1311 – Theory I	2			MUSC 2101 – Theory II	3	
MUSC 1201 – Fundamentals of Keyboard	1			AFRS 1501-Survey of African Amer Exp	2	
MUSC 2641 Applied Lesson	1			MUSC 2644 Applied Lesson	1	
MUSC 1455 Ensemble	1			MUSC 2409 or 2455 Ensemble	1	
CLAS 1103 Freshman Year Exp.	2			HIST 2111 or 2112	3	
HEDU 1101,1111,1201, or 1211	2					
TOTAL HOURS	**15**			**TOTAL HOURS**	**16**	
Sophomore Fall	**Credit**	**Grade**		**Sophomore Spring**	**Credit**	**Grade**
ENGL or PHIL 2110 (or equiv.)	3			BIO 1103 W/LAB	4	
MUSC 3111 Theory III	3			MUSC 4536 Keyboard II	2	
MUSC 3121 Music History I	3			MUSC 4011 Theory IV	3	
MUSC 2522 Keyboard I	2			MUSC 3122 Music History II	3	
BIOL 1103, CSCI 1301, ISCI 1101 (or equiv.)	3			MUSC 3644 Applied Lesson	1	
MUSC 3641 Applied Lesson	1			MUSC 3751 Conducting	3	
MUSC 2408 or 2808 Ensemble	1			MUSC 2809 Ensemble	1	
TOTAL HOURS	**17**			**TOTAL HOURS**	**18**	
Junior Fall	**Credit**	**Grade**		**Junior Spring**	**Credit**	**Grade**
Humn 1201-Critical Thinking & Comm	3			BIOL 1103, CSCI 1301, ISCI 1101 (o	3	
PYSC 2103	3			HIST 2111 or 2112 American Govt.	3	
Foreign Lang. I	3			Foreign Lang. II	3	
FINE 2104, 2909, 2999, or 2601	3			FINE 2104, 2909, 2999, or 2601	3	
MUSC 4641 Applied Lesson	1			MUSC 4644 Applied Lesson	1	
MUSC 3408 Ensemble	1			MUSC 4809 Ensemble	1	
MUSC 3101 African Am. @ Piano	2			MUSC 3560 Piano Pedagogy	2	
TOTAL HOURS	**16**			**TOTAL HOURS**	**16**	
Senior Fall	**Credit**	**Grade**		**Senior Spring**	**Credit**	**Grade**
POLS 1101 American Gov.	3			FINE 3999 Internship	3	
MUSC 3011 or 4010	3			FINE 2104, 2909, 2999, or 2601	3	
FINE 4999 Senior Thesis	3			MUSC or FINE Elective	3	
HEDU 1140	1			Elective	3	
FINE 2104, 2909, 2999, or 2601	3			Elective	3	
MUSC 4611 Accompaniment	1					
POLS 2401 Global Issues	3					
TOTAL HOURS	**17**			**TOTAL HOURS**	**15**	

Theatre Concentration

Concentration in Theatre, Bachelor of Fine Arts Degree in Visual and Performing Arts
Department of Fine Arts, Humanities, and Wellness

Freshman Fall	Credit	Grade		Freshman Spring	Credit	Grade
ENGL 1101	3			ENGL 1102	3	
MATH 1101- Mathematical Modeling or Math 1111-College Algebra	3			AFRS 1501-Survey of African Amer Exp	2	
Area C Appreciation	3			Humn 1201-Critical Thinking & Comm	3	
CLAS 1103 Freshman Year Exp.	2			FINE 2601-Technical Theater	3	
HEDU 1101,1111,1201, or 1211	2			HEDU	1	
DANC 1501	3			SPEH 2101 or 2111	3	
TOTAL HOURS	**16**			**TOTAL HOURS**	**15**	
Sophomore Fall	**Credit**	**Grade**		**Sophomore Spring**	**Credit**	**Grade**
ENGL or PHIL 2110 (or equiv.)	3			BIO 1103 W/LAB	4	
Foreign Language I	3			FINE 2104-Portfolio/Career Marketing	3	
BIOL 1103, CSCI 1301, ISCI 1101 (or equiv.)	3			Foreign Language II	3	
HIST 2111 or 2112 American Govt.	3			THEA 2601	3	
THEA 2525	3			POLS 1101 American Gov.	3	
TOTAL HOURS	**15**			**TOTAL HOURS**	**16**	
Junior Fall	**Credit**	**Grade**		**Junior Spring**	**Credit**	**Grade**
Additional Social Science	3			BIOL 1103, CSCI 1301, ISCI 1101 (or equiv.)	**3**	
THEA 4055, or 4051	3			THEA 4056	3	
FINE 2999 Legal Aspects	3			FINE 2909-Business Through Arts	3	
THEA 3101	3			THEA 3123	3	
THEA 3122	3			THEA 4101	3	
				THEA 4111	3	
TOTAL HOURS	**15**			**TOTAL HOURS**	**18**	
Senior Fall	**Credit**	**Grade**		**Senior Spring**	**Credit**	**Grade**
General Elective	3			Major History	3	
FINE 4999 Senior Thesis or FINE 3999 Internship	3			General; Elective	3	
THEA 3125	3			FINE 4999 Senior Thesis or FINE 3999 Internship	3	
THEA 3105	3			THEA 4111	3	
THEA 4201	3			THEA 4105	3	
TOTAL HOURS	**15**			**TOTAL HOURS**	**15**	

Humanities

All Savannah State Students are required to satisfactorily complete HUMN 1201, Critical Thinking and Communication, as a prerequisite for graduation. Additionally, the general education curriculum Area C includes: HUMN 2011, Humanities; PHIL 2010, Introduction to Philosophy; and PHIL 2030, Ethics.

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 can be earned by completing 15 credit hours in PHIL and RELS courses, including PHIL 2010.

Health Education Program
The Health Education Program provides wellness-based core curriculum courses 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 lifetime process.

Wellness Requirements
All students entering Savannah State University are required to satisfactorily complete three hours of health education courses as a prerequisite for graduation: one 2-hour health education course and one 1-hour physical activity course, or a 3-credit combination course that includes both health education and physical activity. Students with disabling conditions are encouraged to consult with the coordinator of the department for an individualized program based on their needs. Moreover, some of the courses in the wellness curriculum have a required dress code.
Students who have completed military service may be exempt from the 1-hour physical activity course. Such students should provide Admissions with a copy of valid DD-214 paperwork for credit evaluation.

Department of Journalism and Mass Communications

The Department of Journalism and Mass Communications prepares students for careers in all areas of mass communications. Designated by the university as a "Center of Excellence," the department strives to provide a liberal arts preparation that incorporates literature, art, film, philosophy, African American studies, music, and history. The department's curriculum enables students to excel and to compete in the media industry.

Objectives

To prepare students for graduate study in mass communications, film, and other areas of endeavor.
To offer students state-of-the-art equipment and instruction in print and online journalism, broadcast, and public relations/advertising to prepare them for jobs in professional media and many other fields.
To aid students in developing critical thinking/analytical skills, writing skills, computer/software usage skills in print, on the Web for broadcasting, and public relations/advertising.
To orient students to the importance of minority contributions to the areas studied in mass communications to enhance their global view of the world.
To assist students in developing a broad interdisciplinary liberal arts perspective inclusive of literature, art, film, philosophy, African American studies, languages, music, and history.
To involve students in applied experiences in the program to enhance their employability in a modern workforce.

Accreditation

In addition to the University of Georgia, Savannah State University's Department of Journalism and Mass Communications is one of only two programs in the State of Georgia that accredited by the Accrediting Council on Education in Journalism and Mass Communication (www.ACEJMC.org). The department has been accredited since 2007. ACEJMC requires that irrespective of their particular specialization, all graduates should be aware of certain core values and competencies. The following competencies are specific to departmental course offerings:

- Understand and apply the principles and laws of freedom of speech and press, including the right to dissent, to monitor and criticize power, and to assemble and petition for redress of grievances;
- Demonstrate an understanding of the history and role of professionals and institutions in shaping communications;
- Demonstrate an understanding of the diversity of groups in a global society in relationship to communications;
- Understand concepts and apply theories in the use and presentation of images and information;
- Demonstrate an understanding of professional ethical principles and work ethically in pursuit of truth, accuracy, fairness, and diversity;
- Think critically, creatively, and independently;
- Conduct research and evaluate information by methods appropriate to the communications professions in which they work;
- Write correctly and clearly in forms and styles appropriate for the communications professions, audiences, and purposes they serve;
- Critically evaluate their own work and that of others for accuracy and fairness, clarity, appropriate style, and grammatical correctness;
- Apply basic numerical and statistical concepts;
- Apply tools and technologies appropriate for the communications professions in which they work.

Academic Requirements for the Baccalaureate Degree in Journalism and Mass Communications

Students enrolled in the mass communications degree program will be assigned an academic advisor in the department. Students are required to be counseled by an advisor prior to registering for a course. Students must complete all Area 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 take the departmental exit examination.

Program of Study – Mass Communications

DEPARTMENT OF JOURNALISM MASS COMMUNICATIONS - Online Journalism

STUDENT:		**ID NUMBER:**	
ADDRESS:		**MINOR**	CHOOSE I
PHONE No.		**RANK:**	Choose I

4-YEAR PLAN

FRESHMAN YEAR

FALL SEMESTER					SPRING SEMESTER				
COURSE #	**COURSE NAME**	**CRT REC'V**	**GRADE**	**SEM**	**COURSE #**	**COURSE NAME**	**CRT REC'V**	**GRADE**	**SEM**
ENGL 1101	ENGLISH COMP I				ENGL 1102	ENGLISH COMP II			
POLS 1101	AMERICAN GOVT				AREA C2 - Choose One				
MATH 1111	COLLEGE ALGEBRA				AREA D1A - Choose One				
HUMN 1201	CRITICAL THINK &				POLS 2401	GLOBAL ISSUES			
FYE - CHOOSE ONE					AREA E1 - Choose One				
AFRS 1501	AFRICAN A HIST				HEDU Chooe One				
		0					0		

SOPHMORE YEAR

FALL SEMESTER					SPRING SEMESTER				
COURSE #	**COURSE NAME**	**CRT REC'V**	**GRADE**	**SEM**	**COURSE #**	**COURSE NAME**	**CRT REC'V**	**GRADE**	**SEM**
AREA C1 - Choose One					AREA D1B - Choose One				
AREA D2A - Choose One					AREA E2 - Choose One				
AREA D2 - Choose Corresponding Lal					COMM 2101	WRITING/MEDIA			
GEOG 1101	HUMAN GEOGRAPHY				COMM 2105	MASS MEDIA & SOC			
ENGL 2104 - Advance Composition (I					COMM 2106	AFRICAN A./MEDIA			
COMM 3102	PHOTOJOURNALISM				HEDU Choose One				
		0					0		

JUNIOR YEAR

FALL SEMESTER					SPRING SEMESTER				
COURSE #	**COURSE NAME**	**CRT REC'V**	**GRADE**	**SEM**	**COURSE #**	**COURSE NAME**	**CRT REC'V**	**GRADE**	**SEM**
COMM 3110	DESKTOP PUBLISH				COMM 3120	COMM THEORY			
COMM 3105	WRITING for NEWSP/MAG				COMM 4170	ADV NEWS WRI & REPORT			
COMM 3201	FEATURE WRITING				COMM 4201	COPY EDITING			
FOREIGN L. I					FOREIGN L. II				
ELECTIVE					ELECTIVE				
		0					0		

SENIOR YEAR

FALL SEMESTER					SPRING SEMESTER				
COURSE #	**COURSE NAME**	**CRT REC'V**	**GRADE**	**SEM**	**COURSE #**	**COURSE NAME**	**CRT REC'V**	**GRADE**	**SEM**
COMM 4705	COMM LAW & ETHICS				COMM 4902	INTERNSHIP			
SPEH 4101	ADV SPEECH				COMM 4106	COMM PRACTICUM			
ELECTIVE					MINOR/ELECTIVE				
MINOR/ELECTIVE					MINOR/ELECTIVE				
MINOR/ELECTIVE					MINOR/ELECTIVE				
		0					0		

0

DEPARTMENT OF JOURNALISM MASS COMMUNICATION – PR ADVERTISING

NAME:		ID NUMBER:	
ADDRESS:		MINOR	CHOOSE I
PHONE No.		RANK:	Choose I

4-YEAR PLAN

FRESHMAN YEAR

FALL SEMESTER					SPRING SEMESTER				
COURSE #	COURSE NAME	CRT REC'V	GRADE	SEM	COURSE #	COURSE NAME	CRT REC'V	GRADE	SEM
ENGL 1101	ENGLISH COMP I				ENGL 1102	ENGLISH COMP II			
POLS 1101	AMERICAN GOVT				AREA C2 - Choose One				
MATH 1111	COLLEGE ALGEBRA				AREA D1A - Choose One				
HUMN 1201	CRITICAL THINK &				POLS 2401	GLOBAL ISSUES			
FYE - CHOOSE ONE					AREA E1 - Choose One				
AFRS 1501	AFRICAN A HIST				HEDU Choose One				
		0					0		

SOPHMORE YEAR

FALL SEMESTER					SPRING SEMESTER				
COURSE #	COURSE NAME	CRT REC'V	GRADE	SEM	COURSE #	COURSE NAME	CRT REC'V	GRADE	SEM
AREA C1 - Choose One					AREA D1B - Choose One				
AREA D2A - Choose One					AREA E2 - Choose One				
AREA D2 - Choose Corresponding Lab					COMM 2101	WRITING/MEDIA			
GEOG 1101	HUMAN GEOGRAPHY				COMM 2105	MASS MEDIA & SOC			
ENGL 2104 - Advance Composition (P					COMM 2106	AFRICAN A./MEDIA			
COMM 3102	PHOTOJOURNALISM				COMM 3110	DESKTOP PUBLISH			
		0					0		

JUNIOR YEAR

FALL SEMESTER					SPRING SEMESTER				
COURSE #	COURSE NAME	CRT REC'V	GRADE	SEM	COURSE #	COURSE NAME	CRT REC'V	GRADE	SEM
COMM 3120	COMM THEORY				COMM 4402	PR/ADV CAMPGN			
COMM 3401	INTRO PR/ADV				COMM 4406	PR/AD WORKSHOP			
COMM 4101	ADV COPYWRITING				COMM 4705	COMM LAW & ETHICS			
FOREIGN L. I					FOREIGN L. II				
ELECTIVE					ELECTIVE				
		0					0		

SENIOR YEAR

FALL SEMESTER					SPRING SEMESTER				
COURSE #	COURSE NAME	CRT REC'V	GRADE	SEM	COURSE #	COURSE NAME	CRT REC'V	GRADE	SEM
COMM 4902	INTERNSHIP				COMM 4106	COMM PRACTICUM			
SPEH 4101	ADV SPEECH				MINOR/ELECTIVE				
MINOR/ELECTIVE					MINOR/ELECTIVE				
MINOR/ELECTIVE					MINOR/ELECTIVE				
HEDU Choose One									
		0					0		

0

DEPARTMENT OF JOURNALISM MASS COMMUNICATIONS - AUDIO VIDEO PRODUCTION

NAME		ID NUMBER:	
ADDRESS:		MINOR	CHOOSE I
PHONE No.		RANK:	Freshman

4-YEAR PLAN

FRESHMAN YEAR

FALL SEMESTER					SPRING SEMESTER				
COURSE #	COURSE NAME	CRT REC'V	GRD	SEM	COURSE #	COURSE NAME	CRT REC'V	GRD	SEM
ENGL 1101	ENGLISH COMP I				ENGL 1102	ENGLISH COMP II			
POLS 1101	AMERICAN GOVT				POLS 2401	GLOBAL ISSUES			
MATH OPTION					AREA C1 - Choose One				
AFRS 1501	AFRICAN A HIST				CISM 1130 (F05 - S10)				
HUMN 1201	CRITICAL THINK &				AREA E1 - Choose One				
FYE - CHOOSE ONE					HEDU Choose One				
		0					0		

SOPHMORE YEAR

FALL SEMESTER					SPRING SEMESTER				
COURSE #	COURSE NAME	CRT REC'V	GRD	SEM	COURSE #	COURSE NAME	CRT REC'V	GRD	SEM
AREA C2 - Choose One					AREA D1B - Choose One				
AREA D2A - Choose One					COMM 2101	WRITING/MEDIA			
AREA D2 - Choose Corresponding Lab					COMM 2105	MASS MEDIA & SOC			
AREA E2 - Choose One					COMM 2106	AFRICAN A./MEDIA			
ENGL 2104 - Advance Composition (F					COMM 3303	SCRIPTWRITING RTV			
GEOG 1101	HUMAN GEOGRAPHY				HEDU Choose One				
		0					0		

JUNIOR YEAR

FALL SEMESTER					SPRING SEMESTER				
COURSE #	COURSE NAME	CRT REC'V	GRD	SEM	COURSE #	COURSE NAME	CRT REC'V	GRD	SEM
COMM 3301	INTRO TO VIDEO				COMM 3120	COMM THEORY			
COMM 3306	INTRO TO AUDIO PROD				COMM 4107	ADV VIDEO & POST			
MAJOR ELECTIVE - Choose One					SPEH 4101 ADV SPEECH				
FOREIGN LANG					FOREIGN LANG				
GENERAL ELECTIVE					GENERAL ELECTIVE				
		0					0		

SENIOR YEAR

FALL SEMESTER					SPRING SEMESTER				
COURSE #	COURSE NAME	CRT REC'V	GRD	SEM	COURSE #	COURSE NAME	CRT REC'V	GRD	SEM
COMM 4705	COMM LAW & ETHICS				COMM 4106	COMM PRACTICUM			
COMM 4815	THE DOCUMENTARY				COMM 4902	INTERNSHIP			
GENERAL ELECTIVE					MINOR/ELECTIVE				
MINOR/ELECTIVE					MINOR/ELECTIVE				
MINOR/ELECTIVE					MINOR/ELECTIVE				
		0					0		
							0		

Department of Social and Behavioral Sciences

The Department of Social and Behavioral Sciences offers academic programs in Africans Studies, Behavior Analysis, Criminal Justice, History, and Sociology 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 the examination of the various issues, and opportunities that affect the lives of societal members in Georgia, the nation, and the world.

The Department of Social and Behavioral Sciences offers courses leading to a Bachelor of Arts degree in history and Africana Studies. Africana Studies offers an option to concentrate in humanities or social sciences. The department also offers a Bachelor of Science degree in behavior analysis, criminal justice, and sociology.

The department offers minor programs in African-American studies, behavior analysis, criminal justice, history, sociology, and gerontology. In conjunction with Armstrong State University, the department also offers a teacher certification program in secondary education for history majors.

The objectives of the department are as follows:

- To provide introductory courses in behavior analysis, history, geography, and sociology, 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 behavior analysis, criminal justice, sociology, psychology, and other related fields; and;
- To prepare students for successful careers in behavior analysis/psychology, the criminal justice system, education, foreign service, and other traditional and nontraditional careers in the public and private sectors.

Program of Study – Africana Studies

Core Curriculum (see pages 82 – 83)		
Areas A, B, C, D, E, and additional requirements		**47 hours**
Area F courses appropriate to the program of study		**18 hours**
Choose one (1) of the following:		3 hours
HIST 1111	World History to Early Modern Times	
HIST 1112	World History from Early Modern Times – Present	
Choose one (1) of the following two courses:		3 hours
HIST 2111	US History to the Post Civil War Period	
HIST 2112	US History from Post Civil War-present	
Choose one (1) of the following two courses:		3 hours
GEOG 1101	Introduction to Human Geography	
ANTH 1101	Introduction to Anthropology	
AFRS 2000	Introduction to Africana Studies	3 hours
Foreign Language (any two (2) languages in sequence)		6 hours
Hours required for Major		**60 hours**
Major requirements		*18 hours*
AFRS 3141	African Politics	3 hours
AFRS 3301	African American History to 1900	3 hours
AFRS 3501	Survey of African Culture	3 hours
AFRS 4501	African American & Pan Africanism	3 hours
AFRS 4601	Senior Seminar	3 hours
AFRS 4701	African since 1885	3 hours

Major Electives		*12 hours*
Category I: Social Sciences (6 hours)		
AFRS 3000	Africana Political Ideology & Philosophy	3 hours
AFRS 3102	African & African American Families	3 hours
AFRS 3111	Africana Woman	3 hours
AFRS 3120	African American Aging	3 hours
AFRS 3312	African Americans in the 20th century	3 hours
AFRS 3601	African American Politics	3 hours
AFRS 3961	Internship	3 hours
AFRS 4311	Psychology of African American Experience	3 hours
Category II: Liberal Arts (6 hours)		
COMM 2106	African Americans in the Media	3 hours
MUSC 3011	African Music	3 hours
AFRS 3211	Religion & African Thought Systems	3 hours
ENGL 3212	African American Oral Tradition	3 hours
ENGL 3216	African American Poetry	3 hours
ART 3601	African American Art	3 hours
FREN 4100	Survey of African & Caribbean-	3 hours
AFRS 4211	African American Drama	3 hours
General Electives		*15 hours*
Minor		*15 hours*

TOTAL	**125 hours**

*Please see an advisor for requirements for a double major in History and Africana Studies. Total hours for a double major are 140 hours over 9 semesters.

Program of Study – Behavior Analysis

Semester 1			**Semester 2**	
BEHV 1101	3		BEHV 3000	3
PSYC 1101	3		BEHV 2103	3
ENGL 1101	3		ENGL 1102	3
MATH 1101 (or 1111 or 1113)	3		BIOL 1104 & 1104L (or equiv)	4
FYE	2		HEDU or AFRS 1501	2
HEDU	1			
Semester 1 Total	**15**		**Semester 2 Total**	**15**
Semester 3			**Semester 4**	
BEHV 3112	3		BEHV 2101 or BEHV/PSYC elec	3
BEHV 3104	3		Language 2	3
Language 1	3		Area C, D, or E	3
HUMN 1201	3		Area C, D, or E	3
Area C, D, or E	3		HEDU or AFRS 1501	2
Semester 3 Total	**15**		**Semester 4 Total**	**14**
Semester 5			**Semester 6**	
BEHV 3103	3		BEHV 3117 or BEHV/PSYC elec	3
BEHV 2101 or BEHV/PSYC elec	3		Area C, D, E or Minor/Conc	3
Area C, D, or E	3		Area C, D, E or Minor/Conc	3
Area C, D, or E	3		BEHV/PSYC elec or Minor/Conc	3
Area C, D, E or Minor/Conc	3		BEHV/PSYC elec or Minor/Conc	3
Semester 5 Total	**15**		**Semester 6 Total**	**15**
Semester 7			**Semester 8**	
BEHV 3117 or BEHV/PSYC elec	3		BEHV 4213 or BEHV/PSYC elec	3-4
BEHV 4213 or BEHV/PSYC elec	3-4		BEHV/PSYC elec or Minor/Conc	3
BEHV/PSYC elec or Minor/Conc	3		BEHV/PSYC elec or Minor/Conc	3
BEHV/PSYC elec or Minor/Conc	3		BEHV/PSYC elec or Minor/Conc	3
BEHV/PSYC elec or Minor/Conc	3		BEHV/PSYC elec or Minor/Conc	3
Semester 7 Total	**15-16**		**Semester 8 Total**	**15-16**

Program of Study – Criminal Justice

Freshman Fall	Credit	Grade		Freshman Spring	Credit	Grade
ENGL 1101*	3			ENGL 1102*	3	
MATH 1101- Mathematical Modeling	3			MUSC 1101 (or equiv.)	3	
				HUMN 1201 Critical Thinking	3	
General Elective	3			AFRS 1501-Survey of African Amer Exp	2	
HEDU 1101,1111,1201, or 1211	2					
CLAS 1103 Freshman Year Exp.	2			HEDU 1140 or equiv.	1	
CRJU 1101 Introduction to CRJU*	3			SOCI 1101 Intro to Sociology*	3	
TOTAL HOURS	**16**			**TOTAL HOURS**	**15**	
Sophomore Fall	**Credit**	**Grade**		**Sophomore Spring**	**Credit**	**Grade**
ENGL or PHIL 2110 (or equiv.)	3			BIO 1103 W/LAB or equiv	4	
Foreign Language 1*	3			FSCI 1101 (or equiv.)	3	
SOCI 2101 Social Statistics*	3			Foreign Language 2*	3	
CRJU 2101 Police and Society*	3			SOCI 1160 (or equiv.)	3	
POLS 1101 American Government	3			POLS 2401 Global Issues	3	
TOTAL HOURS	**15**			**TOTAL HOURS**	**16**	
Junior Fall	**Credit**	**Grade**		**Junior Spring**	**Credit**	**Grade**
HIST 2111 or 2112	3			General Elective	3	
				Minor or Upper Division Course	3	
CRJU 3131 Research Meths In CRJU*	3			CRJU 3121 Corrections Spring*	3	
Minor or Upper Division Course*	3			CRJU Theories in Criminal*	3	
CRJU 3111 American Courts (Fall)*	3			Behavior Spring*		
CRJU Major Elective*	3			CRJU Major Elective*	3	
CISM 1130 or CSCI 1301	3					
TOTAL HOURS	**18**			**TOTAL HOURS**	**15**	
Senior Fall	**Credit**	**Grade**		**Senior Spring**	**Credit**	**Grade**
CRJU Major Elective*	3			CRJU 4901 Senior Seminar*	3	
				CRJU 4301 Jurisprudence of	3	
CRJU 3411 Juvenile Justice (Fall)*	3			Criminal Law (Spring)*	3	
Minor or Upper Division Course*	3			Minor or Upper Division Cours	3	
CRJU Major Elective*	3			CRJU Major Elective*	3	
CRJU Major Elective *	3			Minor or Upper Division Course		
TOTAL HOURS	**15**			**TOTAL HOURS**	**15**	

Program of Study – History

FRESHMAN			
	Fall		**Spring**
HIST 1111	World History to Early (3cr)	HIST 1112	World History from Early (3cr)
HIST 2111	U.S. History to Post Civil War (3cr)	HIST 2112	U.S. History from Post Civil War (3cr)
	Area A courses (see grid) (6cr)		Area C courses (see grid) (6cr)
	Language 1 (3cr)		Language 2 (3cr)
	Regents Exam		Regents Exam
	Total semester hour = **15**		Total semester hour = **15**
SOPHOMORE			
	Fall		**Spring**
HIST 3312	African American History in the 20th C (3cr)	HIST 3502	The American Revolution and the New Nation (3cr)
	Area A course (3cr)		Major Elective Category IV (3cr)
	Area B courses (5cr)		Area D course (7cr)
	Additional Req. (4cr)		Area E course (3cr)
	Total semester hour = **15**		Total Semester hour = **16**
JUNIOR			
	Fall		**Spring**
HIST 3101	Historical Research (3cr)	HIST 3412	History of Modern Europe (3cr)
	Major Elective Category I, II courses (6cr)		Major Elective Category III Internship (6cr)
	Area E courses (6cr)		Area D course (3cr)
	Additional Req. (1cr)		Any 2000 level course as minor (3cr)
	Total Semester hour = **16**		Total Semester hour = **15**
SENIOR			
	Fall		**Spring**
HIST 4601	Latin America in Modern World (3cr)	HIST 4901	Senior Seminar (3cr)
	Major Elective Category I. II. III courses (6cr)		Major Elective Category I. II. III course (6cr)
	Any 2000 level courses as minor (6cr)		Any 2000 level courses as minor (6cr)
			Area F course (3cr)
	Total semester hour = **15**		Total semester hour = **18**

Total Number of Hours Needed to Graduate: 125hrs

Program of Study – Sociology

Freshman Year

Fall	Hours			Spring	Hours		
ENGL 1101	3			ENGL 1102	3		
MATH 1101 or MATH 1111	3			SOCI 1101	3		
HUMN 1201	3			POLS 1101	3		
HIST 2111 or 2112	3			Science non science majors	3		
CLAS 1103	2			Humanities option A	3		
HEDU	1			HEDU	2		
Total	15				17		

Sophomore Year

Fall	Hours			Spring	Hours		
Humanities Option B	3			Science non science majors	4		
POLS 2401	3			Foreign language (sequence)	3		
Science non science major	3			SOCI 2011	3		
Foreign Language (sequence)	3			AFRS 1501	2		
GEOG 1101 or ANTH 1101	3			Social Science Elective Area E	3		
PSYC 1101	3						
	18				15		

Junior Year

Fall	Hours			Spring	Hours		
SOCI 3201 or SOCI 4312	3			Sociology Elective 3000 level	3		
General Elective	3			SOCI 3611	3		
SOCI 3036	3			Sociology Elective 3000 level	3		
SOCI 3401	3			Minor Area	3		
General Elective	3			General Elective	3		
	15				15		

Senior Year

Fall	Hours			Spring	Hours		
General Elective	3			Minor Area	3		
Sociology 4000 Elective	3			Sociology 4000 Elective	3		
Minor Area	3			Minor Area	3		
Sociology Elective 3000 level	3			Sociology Elective 3000 level	3		
Minor Area	3			SOCI 4901	3		
	15				15		

Minors in the Department of Social and Behavioral Sciences

Africana Studies Minor		**15 hours**
AFRS 2000	Introduction to Africana Studies	3 hours
HIST 3301	Africana American History to 1900	3 hours
Three upper level courses		9 hours

Behavior Analysis Minor		**15 hours**
BEHV 1101	Introduction to Behavior Analysis	3 hours
BEHV 2101	History of Behavior Analysis	3 hours
BEHV 3000	Basic Concepts in Behavior Analysis	3 hours
Two upper level BEHV courses		9 hours

Criminal Justice Minor		**15 hours**
CRJU 1101	Introduction to Criminal Justice	3 hours
CRJU 3301 CRJU 4301	Constitutional Law in the Criminal Process OR Criminal Law	3 hours
Three upper level CRJU classes (except CRJU 3901 or 4901)		9 hours

Gerontology Minor		**15 hours**
GRNY 2101	Introduction to Gerontology	3 hours
Four additional GRNY courses		12 hours

History Minor		**15 hours**
Choose one (1) of the following four (4) courses:		3 hours
HIST 1111	World History to Early Modern Times	
HIST 1112	World History from Early Modern Times – present	
HIST 2111	US History to the Post Civil War Period	
HIST 2112	US History from Post Civil War – present	
One course from Category I, II, and III (see pg. 99)		9 hours
One course from Major requirements (see pg. 99)		3 hours

Sociology Minor		**15 hours**
Choose one (1) of the following two (2) courses:		3 hours
SOCI 1101 SOCI 1160	Introduction to Sociology Social Problems	
Choose one (1) of the following two (2) courses:		3 hours
SOCI 3202	Classical Theory	
SOCI 4312	Contemporary Theory	
Two 3000 level courses (except SOCI 3901 or 4901)		6 hours
One 4000 level course		3 hours

Department of Social Work

Center of Excellence

Mission Statement

The BSW program prepares students for generalist practice and the MSW program builds on the generalist foundation and prepares students for advanced practice in Clinical and Social Administration. The department promotes student focused learning, affirms the African American legacy and fosters a unique multicultural environment through its BSW and MSW curriculum and advocacy roles in community change. The department graduates students who are culturally competent to practice social work in rural, urban and global settings.

Bachelor of Social Work Program

The Bachelor of Social Work (BSW) degree is a carefully articulated program that provides a generalist academic and experiential foundation for students seeking a career in the varied and expanding profession of social work. The Council on Social Work Education accredits the BSW program. The major requires a selective liberal arts base of knowledge from social, behavioral, and natural sciences (e.g. psychology, sociology, biology) together with group social work skills, values, and methodologies of intervention at the individual, family, group, institution, and community levels. BSW graduates are educated to respond in an informed way to identifiable social work needs in a variety of settings, including rural, urban, and international. The social work major is structured around four interrelated components: theoretical foundations/intervention strategies; client population/cultural diversity; research/evaluation; and skills development/fieldwork. Students admitted to the major are expected to maintain academic excellence and demonstrate professional and ethical behavior as reflected in the BSW Handbook. Students must maintain a minimum GPA of 2.5 and above in all social work courses after formal admission to the social work program.

BSW Admission Requirements

Students interested in declaring social work as a major are required to complete the *Application for Admission to the BSW Program*.

The BSW Admissions Committee evaluates completed applications and recommendations are forwarded to the BSW Program Coordinator. Typically, application is made spring semester of the sophomore year. Admission to the BSW program is based on the following criteria:

- Completion of the University Core Curriculum
- Minimum grade point average (GPA) of 2.3
- Completion of SOWK 2000-Self Awareness; 2200-Human Needs and Human Services; SOWK 2205-History of Social Welfare; and SOWK 3305-Intro to Social Work Practice (gateway courses) with a grade of "C" or better

Completed Application for Admission to the BSW Program includes:

- Two Letters of Reference: One from a Savannah State University professor and one from an employer or supervisor (you may substitute a supervisor for a volunteer experience). Transfer applicants may submit a reference letter from a previous university or college
- Current official transcript
- An interview may be requested by the admission committee

Applications are due on or before April 15th for fall semester. Students will complete the application in SOWK 3305 to:

ADMISSIONS COMMITTEE
Box 20553
Savannah State University
Savannah, GA 31404

Academic credit for life or previous work experience is not considered in completely or in part in lieu of admission requirements or in lieu of social work courses including field practicum requirements *(CSWE Accreditation Standard 5.2, 2004).*

SOWK 2200; SOWK 2205; and SOWK 3305

SOWK 220, SOWK 2205 and SOWK 3305 are the gateway courses for admission to the BSW program at Savannah State University.

Transfer Students

The SSU Admissions Office provides preliminary evaluation of transfer credit in the core curriculum. The BSW program evaluates and provides final approval for all transfer credits in the social work curriculum. The Department of Social Work makes decisions about transfer of credit toward requirements specifically for the social work major. Students who wish to transfer other social work courses from other CSWE accredited programs must submit a copy of the course syllabus for each course being considered for transfer. The BSW Program Coordinator and faculty to determine whether there is a comparable course in the BSW Program for which credit may be given review the course syllabus. Non-equivalent social work courses from CSWE-accredited programs may be transferred as social work electives.

Students who wish to transfer other social work courses from non-CSWE accredited programs must submit a copy of the course syllabus for each course being considered for transfer. The BSW Program Coordinator and faculty to determine whether the course meets the BSW program standards for transfer review the course syllabus. Only social work courses completed within the last ten years of readmission or transfer to Savannah State University will apply toward the BSW degree requirements.

Requirements for Admission to Field Practicum (SOWK 4701 & 4702 and 4901 & 4902)

To be eligible for admissions to Field Practicum, students must earn a minimum GPA of 2.5 and above in all Social Work courses after formal admission to the social work program. Students must also satisfy the standards for social work education as stated in the BSW Student Handbook. Field placements are during weekday and daytime hours. Students must adjust their personal schedules to meet the demands of field practicum. Students who are denied admission to field practicum must select another major. Students who fail field practicum a second time will be dismissed from the social work program and must select another major.

Requirements for Graduation

In addition to completing 47 hours of Savannah State University's core curriculum requirements (Areas A, B, C, D*, E, and additional requirements), 18 hours in Area F (courses appropriate to the program of study); and 60 hours of social work major (SOWK) courses. *Social Work majors must complete BIOL 1104 (Human Biology) and BIOL 1104 Lab in Area D. Social Work majors must complete 400 clock hours of field practicum (during their senior year) at an approved field agency.

DEPARTMENT OF SOCIAL WORK

(Effective Summer 2015)

Year 1 (Freshman)

FALL	HOURS	SEMESTER	GRADE	SPRING	HOURS	SEMESTER	GRADE
BUS 1101, CLASS 1101, and COST 1101	02			ENGL 1102 Composition II	03		
ENGL 1101 Composition I	03			HUMN 1201 Critical thinking HUMN 1101/SPEH 1101	03		
SOWK 2000 Self Awareness	03			Select *one* course from Core area D (Option I non-Science Majors)	03		
MATH 1111 College Algebra/Math Modeling	03			BIOL 1104 Human Biology	03		
AFRS 1501 Survey of African American Experience	02			BIO 1104L Human Biology Lab	01		
HEDU (Health EDU) 2hr & 1hr course	03			SOWK 2200 Human Needs and Human Services	03		
TOTAL	16			TOTAL	16		

Year 2 (Sophomore)

FALL	HOURS	SEMESTER	GRADE	SPRING	HOURS	SEMESTER	GRADE
Select one from Area E Social Sciences	03			SOWK 3305 Intro to Social Work Practice	03		
POLS 1101 (GOV'T)	03			HIST 2111 (or) 2112	03		
SOWK 2205 History of Social Welfare and Social Policy	03			Select any one from Core Area C (English Language Series)	03		
Select *one* course from Core Area F (POLS 2101, ANTH 1101, PSYC 1101)	03			Select *one* course from Core Area D (Option I non-Science Majors)	03		
Select one AREA C (ART1101, THEA 2101, MUSC 1101, HUMN 2011)	03			POLS 2401 Global Issues	03		
Foreign Language	03			Foreign Language	03		
TOTAL	**18**			**TOTAL**	18		

Year 3 (Junior)

FALL	HOURS	SEMESTER	GRADE	SPRING	HOURS	SEMESTER	GRADE
SOWK 3340 Methods I	03			SOWK 3341 Methods II	03		
SOCI 2101 Social Statistics	03			4410 Implementation of Social Welfare Policies	03		
SOWK 3201 HBSE I	03			SOWK 3202 HBSE II	03		
SOWK 3220 Human Diversity and Social Work Practice	03			General Elective or SOWK Elective	03		
General Elective or SOWK Elective	03			General Elective or SOWK Elective	03		
TOTAL	**15**			**TOTAL**	**15**		

Year 4 (Senior)

FALL	HOURS	SEMESTER	GRADE	SPRING	HOURS	SEMESTER	GRADE
SOWK 3342 Methods III	03			SOWK 3101 Research Methods II	03		
SOWK 3100 Research Methods I	03			• SOWK 4902 Field Seminar II	03		
SOWK 4901 Field Seminar I	03			SOWK 4702 Field Practicum II	03		
SOWK 4701 Field Practicum I	03			General Elective or SOWK Elective	03		
General Elective or SOWK Elective	03						
Total	**15**			**TOTAL**	**12**		

- ☐ Minimum grade of "C" is required for Areas A, F and all Social Work Major Courses
- ☐ Must make take SOWK 2200 Human Needs and Human Services and SOWK 3305 Intro to Social Work Practice before applying to Social Work Program
- ☐ Maintain a minimum GPA of 2.5 in the social work program, after formal admission
- ☐ Must have a minimum of 2.5 in the social work courses to be accepted into Field Education.
- ☐ Minimum GPA of 2.3 for admission to the Bachelor of Social Work Degree Program
- ☐ Students are required to take at least 3 social work electives and may take 2 general electives of their choice from any department
- ☐ Please note that it is your responsibility to ensure that all courses taken reflect the expectations of the BSW course grid in the catalog year of your admission to SSU. It is important to bring your BSW Grid anytime you meet with your advisor.
- ☐ Social work majors must complete BIO 1104 (Human Biology) and BIO 1104 Lab in AREA D

Satisfied CPC requirements: ☐yes ☐ no English CPCE ☐yes ☐no Mathematics CPCM ☐ yes ☐ no Science CPCSC
☐Yes ☐ no Social Sciences CPCS ☐yes ☐no Foreign Language CPCFL

Master of Social Work Program

The Council on Social Work Education accredits the Master of Social Work (MSW) Program. The MSW program is designed to prepare students for entry into advanced social work practice. The 60 credit- hour degree program consists of a foundation curriculum, which provides knowledge, values, and skills common to generalist social work practice, concentration courses in clinical practice social administration, and three field practicum courses, which are designed to enhance the competencies in the foundation and concentration areas. Students must declare a concentration within the first semester of full-time enrollment or within two semesters of part-time enrollment. **(See Graduate Programs for Details)**

Department of Political Science and Public Affairs

Homeland Security and Emergency Management

The SSU Homeland Security and Emergency Management Program (HSEM) program is built on the existing body of knowledge in homeland security and emergency management as well as current and developing research, with an emphasis on lessening the impacts of disasters on our most vulnerable residents. The program prepares students to move into entry-level public and private sector positions in this growing field.

The HSEM program uses an integrated and interdisciplinary approach to homeland security and emergency management, preparing students with the knowledge, skills, and abilities to leverage and coordinate the full range of capacity and resources to improve outcomes in a disaster – whether natural or human-caused. The program offers students' knowledge specific to different types and causes of disaster, lessons from past disasters, and both comprehensive and hazard-specific practices that lead to effective prevention, protection, mitigation, preparedness, response and recovery. The SSU HSEM program is the first bachelor's degree program in homeland security and/or emergency management in the state of Georgia and the first in the nation at a historically black college/university.

The program leads to the bachelor's degree in homeland security and emergency management. Students must earn 125 hours to graduate, with 36 semester hours in major courses, with no requirement for a subject area minor. The program also offers a minor and a 15-hour certificate in HSEM.

Program of Study – Homeland Security and Emergency Management (HSEM)

Core Curriculum (see pages 82 – 83)		
Areas A, B, C, D, E, and additional requirements		**47 hours**
Area F courses appropriate to the program of study		**18 hours**
HSEM 2101	Introduction to HSEM*****	3 hours
One (1) of the following two (2) courses:		3 hours
ANTH 1101	Introduction to Anthropology	
GEOG 1101	Introduction to Human Geography	
One (1) of the following two (2) courses:		3 hours
HIST 2111	US History to the Post Civil War Period	
HIST 2112	US History from the Post Civil War Period – present	
SOCI 2101	Social Statistics	3 hours
Foreign Language Sequence		6 hours
Hours required for Major		**60 hours**
Major requirements		*36 hours*
HSEM 3110	Politics & Policy of HSEM	3 hours
HSEM 3120	Law & Ethics in HSEM	3 hours
HSEM 3130	Emergency Planning, Mitigation & Incident Management	3 hours
HSEM 3140	Social Diversity in HSEM	3 hours

*****HSEM 1201 is a prerequisite to most HSEM courses

Major requirements, continued		
HSEM 3250	Risk & Vulnerability Assessment	3 hours
HSEM 3260	Terrorism in the Modern World	3 hours
HSEM 3822	Tools for Decision Making in HSEM	3 hours
HSEM 3840	Effective HSEM Communication & Leadership	3 hours
HSEM 3901	Internship	3 hours
HSEM 4901	Senior Capstone Seminar	3 hours
Foreign Language Sequence (in addition to Area F hours)		6 hours
Major electives		*9 hours*
General Electives (elective courses or minor course at least three of which must be at 3000 level or above)		*15 hours*
TOTAL		**125 hours**

Minor in Homeland Security and Emergency Management		**15 hours**
HSEM 3130	Emergency Planning, Mitigation & Incident Management	3 hours
HSEM 3250	Risk Vulnerability Assessment	3 hours
Three (3) additional HSEM courses at 3000 or above		9 hours

Program of Study – Certificate in Homeland Security and Emergency Management (HSEM)

The 15-hour undergraduate certificate in Homeland Security and Emergency Management (HSEM) is a certificate for individuals who would like to add competencies in the HSEM field, working practitioners who want an interim benchmark for work toward a bachelor's in HSEM, and for other students who would like to take a portion of SSU HSEM classes online before relocating to the campus to complete their bachelor's degree.

Certificate requirements		**15 hours**
HSEM 2101	Introduction to HSEM	3 hours
HSEM 3110	Politics & Policy of HSEM	3 hours
HSEM 3130	Emergency Planning, Mitigation & Incident Management	3 hours
HSEM 3250	Risk & Vulnerability Assessment	3 hours
HSEM 3840	Effective HSEM Communication & Leadership	3 hours

Political Science

The Department of Political Science and Public Affairs offers the Bachelor of Science degree in political science. Students majoring in political science may elect to concentrate in pre-law, public administration, American Politics, or international (comparative) politics. The Political Science program seeks to prepare leaders for greatness in public service to Georgia and beyond, and who are able to

- Demonstrate an understanding of American governmental structures, as well as comparative political systems;
- Exhibit knowledge of the political science literature and have the ability to retrieve information and acquire knowledge on their own;
- Communicate effectively about the impact of political science in society and the significance of the discipline in the social sciences;
- Pursue graduate and professional schools;
- Compete successfully for entry-level jobs in the domestic and international arenas in Georgia and beyond; and
- Perform at higher levels of economic productivity, social responsibility, and moral excellence in their chosen field.

Program of Study – Bachelor of Science in Political Science

First Year

Fall		Spring	
ENGL 1101	3 hrs	ENGL 1102	3 hrs
CLAS 1103	2 hrs	AFRS 1501	2 hrs
POLS 1101	3 hrs	PSYC 1101 or SOCI 1101	3 hrs
MATH 1111 or 1101	3 hrs	POLS 2401	3 hrs
HUMN 1201	3 hrs	1 science course w/ lab	4 hrs
HEDU 1101 (or equivalent)	2 hrs	TOTAL	15
TOTAL	16		

Second Year

Fall		Spring	
ENGL 2110 (or Area C equivalent)	3 hrs	ANTH 1101 (or Area F equivalent)	3hrs
GEOG 1101 (or Area E equivalent)	3 hrs	SOCI 2101	3hrs
POLS 2101	3 hrs	Foreign language II	3hrs
Foreign language I (choose any)	3 hrs	POLS 3601	3hrs
ARTS 1101 (or Area C equivalent)	3 hrs	1 science course (w/o lab)	3hrs
HEDU 1140 (or movement equivalent)	1 hr		
TOTAL	16	TOTAL	15

Third Year

Fall		Spring	
POLS 4201	3hrs	POLS 3301	3hrs
1 class for POLS concentration	3hrs	Minor classes (or elective)	6hrs
2 upper division POLS electives	6hrs	1 non-POLS General Elective	3hrs
1 science course (w/o lab)	3hrs		

1 upper division	
POLS elective	3hrs
TOTAL	15

TOTAL	15

Sixth Semester (15 hours)

Fourth Year

Fall

2 non-POLS General Electives	6hrs
1 Minor class (or elective in lieu of a minor)	3hrs
1 class for POLS concentration	3hrs
1 upper division POLS elective	3hrs
TOTAL	15

Spring

POLS 4901	3hrs
2 upper division POLS electives	6hrs
2 Minor classes (or 2 electives)	6hrs
TOTAL	15

Minor in Urban Studies and Planning

Minor in Urban Studies and Planning is designed to enable undergraduate students to obtain valuable skills necessary to expand their employability and opportunities for graduate study in urban planning. The minor is available within the Department of Political Science and Public Affairs but may also supplement the skills of students in other areas such as Business, Environmental Sciences, and Civil Engineering and Technology. This minor provides students with a general awareness and understanding of planning as a process for making public decisions about the allocation of resources. The minor will provide a thorough overview of the practice of planning and its role in urban politics and collective decision-making.

All students completing a minor in Urban Studies and Planning are required to take and satisfactorily complete 15 semester hours, which must include:
POLS 3813 Introduction to Urban Planning and
POLS 3811 Urban Politics

Suggested three elective courses include, but are not limited to:
ANTH 1101 Introduction to Anthropology
BIOL 3621 Urban Health and Hygiene
GEOG 3621 Population Geography (requisite for MGNT 4221)
MGNT 3165 Management of Organizations
MGNT 4221 Social Entrepreneurship
MSCI 3702 Introduction to Geographical Information Systems
POLS 3101 International Politics
POLS 3301 African American Politics
POLS 3702 Introduction to Geographical Information Systems
POLS 3801 Gender and Politics
POLS 4511 Public Policy
SOCI 3122 Sociology of Poverty
SOCI 3611 Minorities and the Social Environment
SOCI 3631 Urban Sociology
SOCI 3401 Social Research

Master of Public Administration

The nationally accredited Master of Public Administration (MPA) program prepares graduates to work effectively as managers and leaders in a variety of organizational settings. The MPA curriculum is designed to develop competencies in five areas: lead and manage in public governance; participate in and contribute to the policy process; analyze, synthesize, think critically, solve problems and make decisions; articulate and apply a public service perspective, and; communicate. Small class sizes allow for in-depth student-faculty interaction examining the practical and theoretical challenges of developing and providing service in the new global community. Online course options accommodate the need for flexibility required by many of today's active scholars. National Association of Schools of Public Affairs and Administration (NASPAA) accreditation indicates the program has undergone a rigorous peer review process and has been judged a quality program. Graduates benefit when seeking employment because prospective employers are assured the degree has come from a program recognized as meeting a standard of quality, preparing gradates for the profession.

Graduate Certificate in Nonprofit Organizations and Leadership

This graduate certificate program is designed for those working in the nonprofit sector or desiring to begin a career by taking the next step. Essential knowledge, skills, and abilities are developed that prepare graduates for the unique opportunities and challenges facing nonprofit organizations. Serving business and economic development, human services, national security, law enforcement, arts and literature, environment and sustainability, as well as training and policy research and advocacy across the spectrum, nonprofit organizations are integral to business, government and communities. This graduate certificate is a post-baccalaureate program of 12 credit courses (normally 4 courses). Face-to-face and online methods are employed in the courses. Small classes allow for in-depth student faculty interaction. Faculty members are knowledgeable and experience in various nonprofit organizations.

Master of Science in Urban Studies and Planning Program

The Masters of Science in Urban Studies and Planning (MSUSP) 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 State University (ASU). The program seeks to enhance the development of each student's analytical and research skills, strengthen their 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 Catalog for Details)**

College of Sciences and Technology

The College of Sciences and Technology is comprised of seven departments:

- Biology
- Engineering Technology
- Mathematics
- Chemistry and Forensic Science
- Marine and Environmental Science
- Naval Science
- Military Science

The College offers **Associate of Science Degrees** with options in:

- Aquarium Science
- Engineering Science
- General Technology
- Health Science
- Physics

Articulation agreements have been established with other system institutions, which lead to a Bachelor of Science degree. Please see a departmental advisor for specific courses in Area F.

The College offers **Bachelor of Science** degree programs with majors in Biology, Chemistry, Environmental Sciences, Forensic Science, Marine Science, Mathematics, Civil Engineering Technology, Computer Science Technology, and Electronics Engineering Technology.

The College also offers a **Master of Science** degree in Marine Science. In collaboration with Georgia Tech, it also offers engineering degree programs under Georgia Tech 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 must complete the core curriculum, which consists of six areas and includes sixty-five semester hours of course work.

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.

Department of Biology

Mission

The mission is realized through its goals:

To provide training and study leading to a degree in biology and to provide pre-professional course work for persons interested in pursuing such health careers as medicine, veterinary medicine, dentistry, pharmacy, nursing, medical illustration, medical social work, medical transcription, public health, industrial and biological research, and teaching.

To offer courses which satisfy the biological sciences curriculum requirements for baccalaureate degrees in biology.

To encourage students and faculty to participate in biological and biomedical research and to be active in pursuit of biological knowledge. Critical thinking, data analysis, computer and instrumentation usage are skills to be developed.

To offer core courses in biological sciences for non-biology majors.

To participate in community outreach activities as professional scientist, educators, and representatives of the University.

To engage students through research-based teaching techniques and integrating technology in the classroom.

Biology Major

The Department of Biology offers curricula leading to the degree of Bachelor of Science in Biology (pre-medicine or pre-professional and a concentration in secondary education. 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. 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. A passing grade of seventy percent (70%) is required for graduation. Biology majors will take the Exit Exam while enrolled in BIOL 4930 (Senior Synthesis).

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 training to focus on specific career objectives. Electives will be selected following consultation with the faculty advisor.

A grade of “C” or better is required in all science and math courses required for the degree.

Biology Education Concentration

The Department of Biology, in collaboration with the School of Teacher Education (SOTE) offers a bachelor's degree in biology with a secondary education (6-12) track. Biology education candidates will take a set of courses to be used as one measure of the teacher candidate's content knowledge in biology. The courses will represent various disciplines of biology and will cover many topics that are essential for teaching, synthesizing information, and using technology.

See the School of Teacher Education section of the catalog for additional requirements.

Program of Study – Biology

Core Curriculum (see pages 82 – 83)		
Areas A, B, C, D, E, and additional requirements		**48 hours**
Note: Area D includes natural science electives, and biology majors are required to enroll in CHEM 1211, 1211L, 1212, and 1212L		
Area F courses appropriate to the program of study		**17 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
Choose one (1) of the following two (2) courses:		
MATH 2101	Calculus I	4 hours
MATH 2201	Statistics	3 hours
Choose five (5) or six (6) credit hours from:		
BIOL 1001	Introduction to Life Science	1 hour
BIOL 1401	Introduction to Biological Chemistry	2 hours
BIOL 1103	General Biology + Lab	4 hours
BIOL 1104	Human Biology + Lab	4 hours
BIOL 2515K	Human Anatomy & Physiology I	4 hours
BIOL 2516K	Human Anatomy & Physiology II	4 hours
CHEM 2101	Synthesis Laboratory	2 hours
MATH 2201	Statistics	3 hours
CSCI 1301	Introduction to Computer Science I	3 hours
CSCI 1302	Introduction to Computer Science II	3 hours

Major Requirements		**45 hours**
BIOL 3101	Botany	3 hours
BIOL 3101L	Botany Lab	1 hour
BIOL 3201	Cell Biology	3 hours
BIOL 3201L	Cell Biology Lab	1 hour
BIOL 3301	Genetics	3 hours
BIOL 3301L	Genetics Lab	1 hour
BIOL 3321	Microbiology	3 hours
BIOL 3321L	Microbiology Lab	1 hour
BIOL 3401	Ecology & Evolution Biology	3 hours
BIOL 3401L	Ecology & Evolution Biology Lab	1 hour
BIOL 3801	Animal Physiology	3 hours
BIOL 3801L	Animal Physiology Lab	1 hour
BIOL 4921	Senior Seminar Research	2 hour
BIOL 4930	Senior Synthesis	2 hours
CHEM 2501	Organic Chemistry I	3 hours
CHEM 2501L	Organic Chemistry I Lab	1 hour
CHEM 2511	Organic Chemistry II	3 hours
CHEM 2511L	Organic Chemistry II Lab	1 hour
PHYS 1111K	Introductory Physics I	4 hours
PHYS 1112K	Introductory Physics II	4 hours
***Electives: 3000 or higher level science or math classes**		**15 hours**
TOTAL		**125 hours**

***Biology elective options (approved Science or Math courses at the 3000 level or higher) should be selected in consultation with the academic advisor.**

Service Courses

Certain courses are offered for students who do not intend to earn the degree in biology. 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. THESE COURSES MAY BE CREDITED TOWARD THE MAJOR IN AREA F OF THE CORE CURRICULUM. CHECK WITH A BIOLOGY ADVISOR.

BIOL 1103	General Biology*	3 hours
BIOL 1103L	General Biology Lab*	1 hour
BIOL 1104	Human Biology*	3 hours
BIOL 1104L	Human Biology Lab*	1 hour
BIOL 2515K	Human Anatomy & Physiology I	4 hours
BIOL 2516K	Human Anatomy & Physiology II	4 hours

*these courses can be used in Area D of the core curriculum

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

Department of Chemistry and Forensic Science

The Department of Chemistry and Forensic Science consists of two programs: Chemistry and Forensic Science. The department is well equipped with state-of-the-art equipment for teaching and research. Many of our graduates have earned advanced and/or professional degrees from some of the most prestigious universities.

Chemistry Major

Accreditation: The Chemistry Program is approved by the Committee on Professional Training of the American Chemical Society to offer ACS certified BS degree.

The Chemistry program is designed to provide strong and innovative instruction in the theory and practice of the chemical sciences. Our graduates are expected to be proficient in the methods of scientific inquiry. The program is designed to accommodate a range of career goals such as research scientists at varied research laboratories and industrial settings; and at associated professions such as the health sciences and public policy.

The Chemistry program offers courses leading to the degree of Bachelor of Science with the following options: BS Chemistry (ACS Certified), BS Chemistry and BS Chemistry Biochemistry track. Minor concentration is offered in Chemistry.

Bachelor of Science in Chemistry

The Bachelor of Science in Chemistry degree program is designed to give a strong foundation in physical, inorganic, organic and analytical chemistry. The program provides flexibility to satisfy a range of career goals and requirements to pursue advanced degree in chemistry and related disciplines. The Bachelor of Science in Chemistry with Biochemistry track enables majors to meet the admission requirements for medical, dental, pharmacy, veterinary and graduate schools.

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.

Program of Study – Chemistry

B.S in Chemistry

Core Curriculum (see pages 82 – 83)

Hours required for the Major **60 hours**

Major Requirements *37 hours*

CHEM 1212L	Principles of Chemistry II Lab	1 hour
CHEM 2501	Organic Chemistry I	3 hours
CHEM 2501L	Organic Chemistry I Lab	1 hour
CHEM 2511	Organic Chemistry II	3 hours
CHEM 2511L	Organic Chemistry II Lab	1 hour
CHEM 3101K	Analytic Chemistry	4 hours
CHEM 3111K	Instrumental Analysis	4 hours
CHEM 3201K	Inorganic Chemistry	4 hours
CHEM 3401K	Physical Chemistry I	4 hours
CHEM 3411K	Physical Chemistry II	4 hours
CHEM 3522L	Advanced Synthesis	2 hours
CHEM 3602K	Research & Internship	2 hours
CHEM 3801	Biochemistry	3 hours

Major Electives *12-15 hours*

Select electives in consultation with an advisor and approval by the coordinator of the chemistry program.(ACS track 12 hours, non-ACS track 15 hours).

CHEM 4811	Bioanalytical Chemistry	3 hours
CHEM 4211	Advanced Inorganic	3 hours
CHEM 4411	Advanced Physical Chemistry	3 hours
CHEM 4531	Advanced Organic Chemistry	3 hours
CHEM 4532	Medicinal Chemistry	3 hours
CHEM 4601	Polymer Chemistry	3 hours
CHEM 4902	Special Topics in Chemistry	3 hours

Any 4000 level Forensic Science Courses

Additional Requirements *8-11 hours*

BS Chemistry ACS Certified		11 Hours
PHYS 2211K	Principles of Physics I	4 hours
PHYS 2212K	Principles of Physics II	4 hours
MATH 3101	Linear Algebra	3 hours

CHEM 4901	Chemical Seminar	1 hour

BS Chemistry		8 Hours
PHYS 1111K	Introductory Physics I	4 hours
PHYS 1112K	Introductory Physics II	4 hours

TOTAL		**125 hours**

B.S. in Chemistry with Biochemistry Track

Core Curriculum (see pages 82 – 83)		
		48 hours
Area F courses appropriate to the program of study		**17 hours**
MATH 2101	Calculus I	4 hours
MATH 2111	Calculus II	4 hours
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	Principles of Chemistry II Lab	1 hour
CHEM 2601K	Chemistry Research Methods and Ethics	2 hours

Hours required for the Major		**60 hours**
Major Requirements		*38 hours*
CHEM 1212L	Principles of Chemistry II Lab	1 hour
CHEM 2501	Organic Chemistry I	3 hours
CHEM 2501L	Organic Chemistry I Lab	1 hour
CHEM 2511	Organic Chemistry II	3 hours
CHEM 2511L	Organic Chemistry II Lab	1 hour
CHEM 3101K	Analytic Chemistry	4 hours
CHEM 3201K	Inorganic Chemistry	4 hours
CHEM 3401K	Physical Chemistry I	4 hours
CHEM 3411K	Physical Chemistry II	4 hours
CHEM 3522L	Advanced Synthesis Laboratory	2 hours
CHEM 3602	Chemical Research	2 hours
CHEM 3801	Biochemistry	3 hours
CHEM 3801L	Biochemistry Lab	1 hours
CHEM 4111	Advanced Biochemistry	3 hours
CHEM 4801L	Advanced Biochemistry Lab	1 hours
CHEM 4901	Chemical Seminar	1 hour
Major Electives		*7 hours*
CHEM 4811	Bioanalytical Chemistry	3 hours
CHEM 4211	Advanced Inorganic	3 hours
CHEM 4411	Advanced Physical Chemistry	3 hours
CHEM 4531	Advanced Organic Chemistry	3 hours
CHEM 4532	Medicinal Chemistry	3 hours
CHEM 4601	Polymer Chemistry	3 hours
BIOL 3321L	Microbiology Lab	
Any 4000 level Forensic Science courses		

Additional Requirements		*15 hours*
Choose one (1) of the following two (2) courses:		
PHYS 1111K	Introductory Physics I	4 hours
PHYS 1112K	Introductory Physics II	4 hours
	OR	
PHYS 2211K	Principles of Physics I	4 hours
PHYS 2212K	Principles of Physics II	4 hours
BIOL 3301	Genetics	3 hours
BIOL 3301L	Genetics Lab	1 hour
BIOL 3201	Cell Biology	3hours
TOTAL		**125 hours**

Environmental Science Major

Environmental Science Major

The Department of Marine and Environment Sciences 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:

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.

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.

To offer core courses in environmental science for science and non-science majors.

To participate in community outreach activities as professional scientists, educators and representatives of the University.

To encourage student and faculty from all disciplines to participate in environmental research, stewardship and sustainability.

To develop skills in critical thinking, data analysis, computer application and instrumentation usage among Environmental Science students.

All students must earn a minimum grade of "C" in all courses specified as major/minor requirements.

Bachelor of Science in Environmental Science

The environmental science curriculum includes required courses in biology, chemistry, mathematics, and physics. Multiple major courses with labs are required. Electives are selected in consultation with a faculty advisor.

Program of Study – Environmental Science

Core Curriculum (see pages 82 – 83)		
Areas A, B, C, D, E, and additional requirements ***Note: Area D includes CHEM 1211, 1211L, 1212, and BIOL 1107***		**48 hours**
Area F courses appropriate to the program of study		**17 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
PHYS 1111K	Intro to Physics I	4 hours
MATH 2101	Calculus I	4 hours
ENVS 2401	Introduction to Environmental Science	3 hours
ENVS 2401L	Introduction to Environmental Science Lab	1 hour
Hours required for the Major		**60 hours**
Major Requirements		*38 hours*
ENVS 1121K	Physical Geology	4 hours
CHEM 2501	Organic Chemistry I	3 hours
CHEM 2501L	Organic Chemistry I Lab	1 hour
ENVS 3121	Environmental Ethics	3 hours
ENVS 3201	Limnology	3 hours
ENVS 3201L	Limnology Lab	1 hour
ENVS 3203	Environmental Chemistry & Analysis	3 hours
ENVS 3203L	Environmental Chemistry & Analysis Lab	1 hour
ENVS 3621/ BIOL 3621	Environmental Health & Hygiene Urban Heath & Hygiene	3 hours
ENVS 4101	Contaminant Hydrology	3 hours
ENVS 4101L	Contaminant Hydrology Lab	1 hour
ENVS 4121/ POLs 4101	Environmental Law	3 hours

Major Requirements, continued		
ENVS 4901/ MSCI 4901	Environmental Synthesis Seminar Senior Seminar	1 hour

Major Electives		*10 hours*
Please select from the following courses:		
CHEM 3101	Analytical Chemistry	3 hours
CHEM 3101L	Analytical Chemistry Lab	1 hour
CHEM 3201	Instrumental Analysis	3 hours
CHEM 3201L	Instrumental Analysis Lab	1 hour
ENVS 3301	Environmental Radiation	3 hours
ENVS 3301L	Environmental Radiation Lab	1 hour
MSCI 3702	Intro Geographic Info. Systems	3 hours
MSCI 4201K	Marine Ecology	4 hours
ENVS 4401	Environmental Impact Assessment	3 hours
MSCI 4601	Intro to Environmental Permitting Process	3 hours
ENVS 4910	Special Topics	3 hours

ENVS 4202	Principles of Ecotoxicology	3 hours	*Open Electives, selected with consultation of advisor*	*12 hours*
ENVS 4301	Solid & Hazardous Waste Management	3 hours		
ENVS 4801/ MSCI 4902	Internship	2 hours	**TOTAL**	**125 hours**

Forensic Science Major

Vision

Savannah State University will be recognized as one of the leading undergraduate universities in the nation to offer a premier degree in Forensic Science, producing graduates with exceptional scientific knowledge, practical skills and integrity to effectively support the performance of the criminal justice system.

Mission

The mission of the Forensic Science Degree Program is to provide forensic science majors with a solid scientific understanding of the applications of forensic science to the judicial system while promoting scientific integrity, critical thinking and communication skills. Develop within our students an understanding of ethical behavior at the highest level. This program will maintain cutting-edge awareness by exposing majors to current technological advances and laboratory instruments and equipment used in forensic science. The program will promote intellectual diversity, interactive and creativity centered learning experiences, resulting in a highly marketable interdisciplinary degree.

Objectives

Principle objectives of the program:

- To offer an interdisciplinary Bachelor of Science Degree in Forensic Science
- To strengthen research and scholarly endeavors
- To strengthen collaboration with local and state Law Enforcement Agencies, which will assist in enhancing student learning outcomes as well as facilitate career path networking
- To offer a very interactive curriculum focusing on hands-on learning experiences
- To attract and train a cadre of outstanding under-represented minorities to the field of forensic science
- To offer a very diverse and well-qualified faculty team
- To offer a program which is current on technological advances in forensic science
- To enhance learning at the university by offering students opportunities to develop as professionals
- To improve undergraduate academics, emphasizing excellence, which will promote intellectual development and student success through a diverse, student-centered environment.
- To provide the community with various opportunities to engage in the Forensic Science Degree program through activities respective to studies, internships, seminars and professional development workshops.

Bachelor of Science in Forensic Science

The Bachelor of Science degree in Forensic Science is a four-year program with two concentrations: Forensic Chemistry and Forensic Biology. The development of a Forensic Science degree program is interdisciplinary and relies strongly on the incorporation of courses in the College of Science and Technology and the College of Liberal Arts and Social Sciences. Forensic Science spans a wide spectrum of scientific disciplines including chemistry, biology, odontology, pathology, criminalistics, engineering, psychiatry, toxicology, computer science and behavioral sciences, to mention a few. This program is designed to produce well-informed graduates with the option to further their scientific interests in graduate school as well as pursue a career in law enforcement. The major tracks are summarized below:

Forensic Biology - Prepare students for positions in local, state, federal and private forensic science laboratories as deoxyribonucleic acid (DNA) analysts or applicable biological science. This concentration will also prepare students for graduate work in Forensic Science or Biology disciplines.

Forensic Chemistry - Prepare students for positions in local, state, federal and private forensic science laboratories as drug and arson analysts as well as forensic toxicologists. Students will be eligible for graduate studies in Forensic Science as well as Chemistry.

Program of Study – Forensic Science (Forensic Biology concentration)

Core Curriculum (see pages 82 – 83)		
Areas A, B, C, D, E, and additional requirements		**47 hours**
Area F courses appropriate to the program of study		**18 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
BIOL 1401	Introduction to Biological Chemistry	2 hours
MATH 2101	Calculus I	4 hours
MATH 2111	Calculus II	4 hours
Hours required for the Major		**60 hours**
Major Requirements		*19 hours*
FSCI 3301	Principles of Forensic Science	3 hours
FSCI 3301L	Principles of Forensic Science Lab	1 hour
FSCI 3401	Research or Internship	2 hours
FSCI 4101	Personal Identification & DNA Analysis	3 hours
FSCI 4101L	Personal Identification & DNA Analysis Lab	1 hour
FSCI 4201	Drug Abuse & Drug Analysis	3 hours
FSCI 4201L	Drug Abuse & Drug Analysis Lab	1 hour
FSCI 4401	Crime Scene I	2 hours
FSCI 4402	Crime Scene II	2 hours
FSCI 4901	Forensic Science Seminar	1 hour
Forensic Biology Concentration		*31 hours*
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	Principles of Chemistry II Lab	1 hour
MATH 2201	Elementary Statistics	3 hours
CHEM 2501	Organic Chemistry I	3 hours
CHEM 2501L	Organic Chemistry I Lab	1 hour

Forensic Biology Concentration, continued		
CHEM 2511	Organic Chemistry II	3 hours
CHEM 2511	Organic Chemistry II Lab	1 hour
BIOL 3201	Cell Biology	3 hours
BIOL 3201L	Cell Biology Lab	1 hour
BIOL 3301	Genetics	3 hours
BIOL 3301L	Genetics Lab	1 hour
BIOL 3321	Microbiology	3 hours
BIOL 3321L	Microbiology Lab	1 hour
Major Electives		10 hours
Choose ten (10) credit hours from the following courses		
FSCI 3001	Computer Forensics	3 hours
CHEM 3101	Analytical Chemistry	3 hours
CHEM 3101L	Analytical Chemistry Lab	1 hour
CHEM 3201	Instrumental Analysis	3 hours
CHEM 3201L	Instrumental Analysis Lab	1 hour
ARTS 3201	Photography I	3 hours
FSCI 3201	Forensic Evidence in Law Enforcement	3 hours
ARTS 3212	Forensic Photography	3 hours
CHEM 4101	Biochemistry	3 hours
BIOL 4201	Toxicology	3 hours
BIOL 4310	Biotechnology	3 hours
BIOL 4310L	Biotechnology Lab	3 hours
BIOL 4411	Genetic Engineering Technology I	3 hours
BIOL 4411L	Genetic Engineering Technology I Lab	1 hour
BIOL 4412	Genetic Engineering Technology II	3 hours
BIOL 4412L	Genetic Engineering Technology II Lab	1 hour
FSCI 4501	Forensic Evidence – Case Studies	3 hours
CHEM 4531	Advanced Organic Chemistry	4 hours
TOTAL		**125 hours**

Forensic Science Minor

Program of Study – Forensic Science (Forensic Chemistry concentration)

Core Curriculum (see pages 82 – 83)		
Areas A, B, C, D, E, and additional requirements		**47 hours**
Area F courses appropriate to the program of study		**18 hours**
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	Principles of Chemistry II Lab	1 hour
CHEM 2101	Synthesis Laboratory	2 hours
MATH 2101	Calculus I	4 hours
MATH 2111	Calculus II	4 hours
Hours required for the Major		**60 hours**
Major Requirements		*19 hours*
FSCI 3301	Principles of Forensic Science	3 hours

Forensic Chemistry Concentration, continued		
CHEM 3101	Analytical Chemistry	3 hours
CHEM 3101L	Analytical Chemistry Lab	1 hour
CHEM 3201	Instrumental Analysis	3 hours
CHEM 3201L	Instrumental Analysis Lab	1 hour
CHEM 3401	Physical Chemistry I	3 hours
CHEM 3401L	Physical Chemistry I Lab	1 hour
Major Electives		*10 hours*
Choose ten (10) credit hours from the following courses		
FSCI 3001	Computer Forensics	3 hours
ARTS 3201	Photography I	3 hours
BIOL 3201	Cell Biology	3 hours
BIOL 3201L	Cell Biology Lab	1 hour

FSCI 3301L	Principles of Forensic Science Lab	1 hour
FSCI 3401	Research or Internship	2 hours
FSCI 4101	Personal Identification & DNA Analysis	3 hours
FSCI 4101L	Personal Identification & DNA Analysis Lab	1 hour
FSCI 4201	Drug Abuse & Drug Analysis	3 hours
FSCI 4201L	Drug Abuse & Drug Analysis Lab	1 hour
FSCI 4401	Crime Scene I	2 hours
FSCI 4402	Crime Scene II	2 hours
FSCI 4901	Forensic Science Seminar	1 hour

Forensic Chemistry Concentration		*31 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
MATH 2201	Elementary Statistics	3 hours
CHEM 2501	Organic Chemistry I	3 hours
CHEM 2501L	Organic Chemistry I Lab	1 hour
CHEM 2511	Organic Chemistry II	3 hours
CHEM 2511	Organic Chemistry II Lab	1 hour
FSCI 3201	Forensic Evidence in Law Enforcement	3 hours
ARTS 3212	Forensic Photography	3 hours
BIOL 3301	Genetics	3 hours
BIOL 3301L	Genetics Lab	1 hour
BIOL 3321	Microbiology	3 hours
BIOL 3321L	Microbiology Lab	1 hour
CHEM 3411	Physical Chemistry II	3 hours
CHEM 3411L	Physical Chemistry II Lab	1 hour
CHEM 3522	Advanced Laboratory Synthesis	2 hours
CHEM 4101	Biochemistry	3 hours
CHEM 4121	Advanced Inorganic Chemistry	3 hours
BIOL 4201	Toxicology	3 hours
BIOL 4310	Biotechnology	3 hours
BIOL 4310L	Biotechnology Lab	1 hour
FSCI 4501	Forensic Evidence – Case Studies	3 hours
CHEM 4531	Advanced Organic Chemistry	3 hours
TOTAL		**125 hours**

Marine Science Major

The mission of the Marine Sciences Program at Savannah State University is to provide research, education, and outreach programs that contribute to a vital technically qualified intellectually thoughtful and ethnically diverse community of individuals capable of solving problems and answering questions related to coastal and ocean ecosystem health, environmental quality and fisheries sustainability.

Bachelor of Science in Marine Science

The Major Field Learning Outcomes (MFLOs) are what we expect and what a student should know and do as a result of graduating with a major in marine sciences from SSU. Graduates will:

- Be ocean literate. Ocean literacy is an understanding of the ocean's influence on you and your influence on the ocean. An ocean-literate person understands the essential principles and fundamental concepts, can communicate about the oceans in a meaningful way, and is able to make informed and responsible decisions regarding the oceans and its resources.
- Demonstrate a basic knowledge in the sciences, oceanography and marine biology.
- Demonstrate the ability to identify marine science questions and problems; use critical thinking, research, and analytical skills to solve them; and effectively communicate the results using research report and oral presentation formats.
- Have marine sciences relevant and appropriate quantitative and analytical skills and tools.

These objectives are met through rigorous course work including laboratories and boat-based instructions; academic advisement and mentoring; and opportunities to become engaged in original research.

Facilities include a 6,000-square-foot instructional wet-laboratory facility, dock, and boats (up to 36-foot twin diesel); all of which are on campus providing exceptional capabilities for hands-on marine science instruction.

Program of Study – Marine Science

Core Curriculum (see pages 82 – 83)		
Areas A, B, C, D, E, and additional requirements		**48 hours**
Area D:CHEM 1211, 1211L, 1212, 1212L, and BIOL 1107		
Area F courses appropriate to the program of study		**17 hours**
BIOL 1107L	Principles of Biology I Lab	1 hour
MSCI 1810K	Marine Biology	4 hours
MSCI 2010K	Intro. Oceanography	4 hours
PHYS 1111K	Intro. Physics I	4 hours
CHEM 2501	Organic Chemistry I	3 hours
CHEM 2501L	Organic Chemistry I Lab	1 hour
Hours required for the Major		**60 hours**
Major Requirements		*26 hours*
MSCI 3301K	Marine Environ. Chemistry & Analysis	4 hours

Major Requirements, continued		
MATH 2101	Calculus I	4 hours
MATH 2201	Introduction to Probability & Statistics	3 hours
Area H Major Electives (extra hrs. count as electives)		*10 hours*
Choose 3 of the following:		
MSCI 3401K	Invertebrate Zoology	4 hours
MSCI 3501K	Ichthyology	4 hours
MSCI 4447K	Marine Mammalogy	3 hours
MSCI 4401K	Marine Sediments	4 hours
MSCI 3702	Intro to Geographic Info. Systems	3 hours
Area H Other Electives		*8 hours*
Choose 2 of the following:		
MATH 2111; CHEM 2511 & 2511L; PHYS 1112K;		

MSCI 3901	Technology Writing Seminar	3 hours
MSCI 4201K	Marine Ecology	4 hours
MSCI 4350K	Biological Oceanography	4 hours
MSCI 4901	Senior Seminar	1 hour
MSCI 4902	Senior Research/Internship	3 hours

BIOL 3301K; CHEM 3401 & 3401L	
Electives - selected in consultation of advisor. Two should be MSCI classes.	*16 hours*
TOTAL	**125 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).**

Minors in the College of Sciences and Technology

Biology Minor		**17 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
Additional Biology (BIOL) courses at 3000/4000 level		9 hours
*Biotechnology & Biomedical track minors available. See an advisor.		

Chemistry Minor		**16-18 hours**
CHEM 3101K	Analytical Chemistry	4 hours
CHEM 3111K	Instrumental & Data Analysis	4 hours
CHEM 3401K	Physical Chemistry I	4 hours
CHEM 3801	Biochemistry	3 hours
CHEM 4211	Advanced Inorganic Chemistry	3 hours
CHEM 4531	Advanced Organic Chemistry	3 hours

Environmental Science Minor		**15 hours**
ENVS 2401	Introduction to Environmental Science	3 hours
ENVS 2401L	Introduction to Environmental Science Lab	1 hour
ENVS 4121	Environmental Law	3 hours

Environmental Science Minor, continued		
ENVS 4401	Environmental Impact Assessment	3 hours
Choose five (5) hours from the following:		
ENVS 3121	Environmental Ethics	3 hours
ENVS 4101	Contaminant Hydrology	3 hours
ENVS 4101L	Contaminant Hydrology Lab	1 hour
ENVS 4301	Solid & Hazardous Waste Management	3 hours
ENVS 4801	Internship	2 hours

Forensic Science Minor		**15 hours**
FSCI 3201	Forensic Evidence in Law Enforcement	3 hours
FSCI 3301	Principles of Forensic Science	3 hours
FSCI 4101L	Personal ID/DNA Fingerprint Analysis Lab	1 hour
FSCI 4101	Personal ID/DNA Fingerprint Analysis	3 hours
FSCI 4201	Drug Abuse & Drug Analysis	3 hours
FSCI 4201L	Drug Abuse & Drug Analysis Lab	1 hour

Marine Science Minor		**15 hours**
MSCI 1801K	Marine Biology	4 hours
MSCI 2010K	Introduction to Oceanography	4 hours
Additional Marine Science (MSCI) courses at 3000 and/or 4000 level		7 hours

Department of Engineering Technology

The Department of Engineering Technology offers courses leading to the degree of Bachelor of Science, with majors in Civil Engineering Technology, Computer Science Technology, Electronics Engineering Technology, and Electronics Engineering Technology (computer option). The Engineering Technology Accreditation Commission (ETAC) of the Accreditation Board accredits the Civil Engineering Technology program for Engineering and Technology (ABET), http://www.abet.org. The Engineering Technology Accreditation Commission (ETAC) of the Accreditation Board accredits the Electronics Engineering Technology program for Engineering and Technology (ABET), http://www.abet.org. The International Association also accredits the Electronics Engineering Technology program for Radio, Telecommunications and Electromagnetics (iNARTE) and the University is a certified iNARTE 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 and Mathematics for further information.

Engineering Technology graduates from ETAC 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.

Engineering 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)
- Engineers Without Borders (EWB)
- American Society of Civil Engineers (ASCE)
- National Society of Black Engineers (NBSE)

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 and Mathematics.

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 Major

Accredited by the Engineering Technology Accreditation Commission of ABET, http://www.abet.org

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.

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.
The program of study sheet for the Civil Engineering Technology can be accessed using: *Civil Engineering Technology Advising Curriculum Grid*

Program of Study – Civil Engineering Technology

Core Curriculum (see pages 82 – 83)		
Areas A, B, C, D, E, and additional requirements		**48 hours**
Area F courses appropriate to the program of study		**17 hours**
CHEM1211	Principles of Chemistry I	3 hours
CHEM 1211L	Principles of Chemistry I Lab	1 hour
MATH 2101	Calculus I	4 hours
MATH 2111	Calculus II	4 hours
ENGT 2101	Computer Graphics	3 hours
ENGT 2201	Technical Writing	2 hours
Hours required for the Major		**68 hours**
Major Requirements		*61 hours*
CIVT 3101K	Surveying	4 hours
ELET 3101K	Electrical Circuits I	4 hours
ENGT 3101	Statics	3 hours
CIVT 3201K	Civil Engineering Materials	3 hours
CIVT 3211	Construction Estimating & Management	3 hours
CIVT 3301K	Fluid Mechanics	4 hours
CIVT 3311	Engineering Hydrology	3 hours
CIVT 3401K	Highway & Transportation Engineering	4 hours

Major Requirements, continued		
CIVT 3601K	Soil Mechanics & Foundation Design	4 hours
ENGT 3601	Strength of Materials	3 hours
CIVT 3701	Structural Analysis	4 hours
ENGT 3701	Engineering Economy	3 hours
CIVT 4101K	Steel Design	4 hours
CIVT 4111K	Reinforced Concrete Design	4 hours
CIVT 4201K	Environmental Engineering I	4 hours
CIVT 4211K	Environmental Engineering II	3 hours
CIVT 4401	Senior Design/Capstone	3 hours

Major Electives (choose two of the following)		*6 hours*
MATH 3301	Differential Equations	4 hours
MECT 3411	Thermodynamics	3 hours
CIVT 3501	Civil Engineering Computing Practices	3 hours
CSCI 1301	Introduction to Computer Science I	3 hours
ELET 3701K	Data Acquisition Systems	2 hours
MSCI 3702	Intro to Geographical Info Systems	3 hours
CIVT 4350	Civil & Environmental Systems Engineering	3 hours
CSCI 1371	Computing for Engineers and Scientists	3 hours
ENGT 4903	Special Topics	3 hours

*Any other elective course approved by a department advisor.

ENGT 3501	Dynamics	2 hours	**TOTAL**	**133 hours**

Civil Engineering minor requirements on page 140

Computer Science Technology Major

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:

Programming/Software Development - consider how software (Java, Visual Basic, C# and Visual Studio) can, will, and should be developed.

Install Software/End User Support - computer applications with knowledge of hardware, word processing, spreadsheet, and database programs.

Network Setup and Administration – Install, tests, maintain the network software (Linux, NT) covering basic hardware configuration, using TCP/IP, configuring routing, network security, involved in operations, policies, procedures, functions, principles and practices of network and telecommunications support services.

The program of study sheet for the Computer Science Technology can be accessed using: *Computer Science Technology Advising Curriculum Grid*

Program of Study – Computer Science Technology

Core Curriculum (see pages 82 – 83)		
Areas A, B, C, D, E, and additional requirements		**48 hours**
Area F courses appropriate to the program of study		**17 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
CSCI 2231K	Introduction to Unix	3 hours
Hours required for the Major		**60 hours**
Computer Science Technology Courses		*29 hours*
CSCI 2215	Perl Scripting	4 hours
CSCI 1610	Programming in Java	4 hours
CSCI 3000	Data Structures	3 hours
CSCI 3102	Visual Basic	3 hours
CSCI 3385K	Computer Network & Design	3 hours
CSCI 4110	Operating Systems	3 hours
CSCI 4210	Database & File Processing	3 hours
CSCI 3210	Advanced Java	3 hours
CSCI 4410	Web Based Programming	3 hours

Mathematics Courses		*11 hours*
MATH 2111	Calculus II	4 hours
Mathematics Elective		3 hours
Engineering Technology Courses		*26 hours*
ENGT 2101K	Computer Graphics	3 hours
ELET 3101K	Electric Circuit I	4 hours
ELET 3301K	Digital Systems I	4 hours
ELET 3311K	Digital Systems II	4 hours
ELET 3401K	Microcomputer Interfacing	3 hours
ELET 3501K	Control Systems	4 hours
ELET 3411K	Micro Controllers	4 hours
TOTAL		**127 hours**

Computer Science Technology minor requirements on page 140

Electronics Engineering Technology Major

Accredited by the Engineering Technology Accreditation Commission of ABET, http://ww.abet.org

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.

The program of study sheet for the Electronics Engineering Technology can be accessed using: Electronics Engineering Technology Advising Curriculum Grid

Program of Study – Electronics Engineering Technology

Core Curriculum (see pages 82 – 83)		
Areas A, B, C, D, E, and additional requirements		**48 hours**
Area F courses appropriate to the program of study		**17 hours**
CHEM1211	Principles of Chemistry I	3 hours
CHEM 1211L	Principles of Chemistry I Lab	1 hour
MATH 2101	Calculus I	4 hours
MATH 2111	Calculus II	4 hours
ENGT 2101	Computer Graphics	3 hours
ENGT 2201	Technical Writing	2 hours
Hours required for the Major		**68 hours**
Major Requirements		*65 hours*

Major Requirements, continued

ELET 3701K	Data Acquisition	2 hours
ENGT 3701	Engineering Economy	3 hours
ELET 3501K	Control Systems	4 hours
ELET 3511K	Electrical Machinery	4 hours
ELET 4101K	Programmable Logic Controllers	4 hours
ENGT 4401	Senior Project	3 hours
ELET 4611K	Fiber Optics	3 hours
ELET 4401K	Industrial Electronics	4 hours

	Electrical Circuits I	4 hours
	Electronics I	4 hours
ELET 3101K		
ELET 3201K		

ENGT 3101or ENGR 2201	Statics Statics for Engineers	3 hours
ELET 3301	Digital Systems I	4 hours
ELET 3111K	Electrical Circuits II	4 hours
CSCI 1301 or CSCI 1371	Computer Science I Computing for Engineers & Scientists	3 hours
ELET 3311K	Digital Systems II	4 hours
ELET 3211K	Electronics II	4 hours
ELET 3411K	Microcontrollers	4 hours

ELET 4621	Digital Communications	4 hours

Major Electives(Choose one of the following *3 hours*

MATH 3301	Differential Equations	4 hours
MECT 3411	Thermodynamics	3 hours
CIVT 3501	Civil Engineering Computing Practices	3 hours
CSCI 1610	Programming in Java	4 hours
MATH 3201	Probability and Statistics I	3 hours
CSCI 3385K	Computer Network & Design	3 hours
CSCI 2231K	Introduction to UNIX	3 hours
CSCI 2215	Perl Scripting	4 hours
ENGT 3301	Quality Control	3 hours
ENGR 2001	Principles & Applications of Engineering Materials	3 hours
ENGT 4903	Special Topics	3 hours
	Any other approved class, internship, and Independent Study approved by the advisor	
TOTAL		**133 hours**

Electronics Engineering Technology minor requirements on page 140

The program of study sheet for the Electronics Engineering Technology (Computer Option) can be accessed using: *Electronic Engineering Technology (Computer Option) Advising Curriculum Grid*

Program of Study – Electronics Engineering Technology (Computer Option)

Core Curriculum (see pages 82 – 83)

Areas A, B, C, D, E, and additional requirements		**48 hours**
Area F courses appropriate to the program of study		**17 hours**
CHEM1211	Principles of Chemistry I	3 hours
CHEM 1211L	Principles of Chemistry I Lab	1 hour
MATH 2101	Calculus I	4 hours
MATH 2111	Calculus II	4 hours
ENGT 2101	Computer Graphics	3 hours
ENGT 2201	Technical Writing	2 hours
Hours required for the Major		**68 hours**
Major Requirements		*59 hours*
ELET 3101K	Electrical Circuits I	4 hours
ELET 3201K	Electronics I	4 hours
ENGT 3101 Or ENGR 2201	Statics	3 hours
ELET 3301K	Digital Systems I	4 hours

Major Requirements, continued

ELET 3701K	Data Acquisition	2 hours
ENGT 3701	Engineering Economy	3 hours
CSCI 2231K	Introduction to UNIX	3 hours
ELET 3401K	Microcomputer Interfacing	3 hours
ELET 4101K	Programmable Logic Controllers	4 hours
ENGT 4401	Senior Project	3 hours
CSCI 3385K	Computer Network & Design	3 hours
ELET 4621K	Digital Communications	4 hours
Major Electives (choose three of the following)		*9 hours*
MATH 3301	Differential Equations	4 hours
MECT 3411	Thermodynamics	3 hours
CIVT 3501	Civil Engineering Computing Practices	3 hours
CSCI 1610	Programming in Java	4 hours
MATH 3201	Probability and Statistics I	3 hours

ELET 3111K	Electrical Circuits II	4 hours	CSCI 2215	Perl Scripting	4 hours
CSCI 1301Or	Computer Science I	3 hours	ENGT 3301	Quality Control	3 hours
CSCI 1371	Computing for Engineers & Scientists		ENGR 2001	Principles & Applications of Engineering Materials	3 hours
ELET 3311K	Digital Systems II	4 hours	ENGT 4903	Special Topics	3 hours
ELET 3211K	Electronics II	4 hours			
ELET 3411K	Microcontrollers	4 hours	Any other approved class, internship, and Independent study by the advisor		
			TOTAL		**133 hours**

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.

Engineering Degree Programs

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. Depending high school preparation and Math background, this may take from 2 to 3 years before transferring to Georgia Tech. Upon successful completion of the pre-engineering curriculum, students may transfer to Georgia Institute of Technology (Atlanta campus) to complete the other 2 years (junior and senior) for their engineering degree requirements. Students are encouraged to take their sophomore engineering courses at Savannah State University before transferring. Specific times each year have been established for students to visit the Georgia Tech campus and meet with representatives of their anticipated major. Aerospace, Chemical, Civil/Environmental, Computer, Electrical, Industrial, Materials, Mechanical, Nuclear and Textile Engineering majors are available to RETP students. For additional information about Georgia Tech RETP visit *RETP Information*.

Dual Degree Program

Savannah State University has entered into an agreement with Georgia Institute of Technology to offer a dual degree program where by undergraduate students can attend this institution for approximately three academic years and then transfer to an engineering program at Georgia Institute of Technology. This program is open to majors in chemistry, mathematics, computer science technology, civil and electronics 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.

The program of study sheets for the RETP Engineering Programs can be accessed using:

RETP – Civil Engineering
RETP – Computer Engineering
RETP – Electrical Engineering
RETP – Industrial Engineering
RETP – Mechanical Engineering

Department of Engineering Technology

Associate Degree Programs

Program of Study – Associate of Science – Engineering Studies

Core Curriculum (see pages 82 – 83)		
Areas A, B, C, D, E, and additional requirements		**48 hours**
Area F courses appropriate to the program of study		**17 - 18 hours**
CHEM1211	Principles of Chemistry I	3 hours
CHEM 1211L	Principles of Chemistry I Lab	1 hour
MATH 2111	Calculus II	4 hours
ENGR 2030 Or	Introduction to Computer Engineering Or	3 hours
ENGR 2770	Introduction to Engineering Graphics & Visualization	
ENGR 2201	Statics For Engineers	3 hours

Area F Requirements, continued		
Choose 3 hours from the following Courses		**3 hours**
ENGR 2040	Circuit Analysis	3 hours
ENGR 2202	Dynamics of Rigid Bodies	3 hours
ENGR 3001	Mechanics of Deformable Bodies	3 hours
MATH 3301	Differential Equations	4 hours
MATH 3101	Linear Algebra	3 hours
MATH 3201	Probability & Statistics I	3hours
MATH 2121	Calculus III	4hours
TOTAL		**65 – 66 hours**

Program of Study – Associate of Science – General Technology

Core Curriculum (see pages 82 – 83)		
Areas A, B, C, D, E, and additional requirements		**48 hours**
Area F courses appropriate to the program of study		**17 hours**
CHEM1211	Principles of Chemistry I	3 hours
CHEM 1211L	Principles of Chemistry I Lab	1 hour
MATH 2201	Elementary Statistics	3hours
ENGT 2101K Or	Computer Graphics Or	3 hours
ENGR 2770	Introduction to Engineering Graphics & Visualization	

Area F Requirements, continued	
Choose 7 hours from or a combination of:	**7 hours**
Major Courses in Civil Engineering Technology	
Major Courses in Electronics Engineering Technology	
Major Courses in Computer Science Technology	
TOTAL	**65 hours**

Program of Study – Associate of Science – Physics

Core Curriculum (see pages 82 – 83)		
Areas A, B, C, D, E, and additional requirements		**48 hours**
Area F courses appropriate to the program of study		**17 hours**

Area F Requirements, continued		
Choose 3 hours from the following Courses		**5 hours**
MATH 2121	Calculus III	4 hours

CHEM1211	Principles of Chemistry I	3 hours
CHEM 1211L	Principles of Chemistry I Lab	1 hour
CHEM 1212	Principles of Chemistry II	3hours
CHEM 1212	Principles of Chemistry II Lab	3 hours
MATH 2111	Calculus II	4 hours
MATH 3301	Differential Equations	4 hours
PHYS 3111	Heat & Thermodynamics	3 hours
PHYS 3121	Optics	3 hours
PHYS 3131	Magnetism & Electricity	3 hours
PHYS 3211	Mathematical Physics	3 hours
CSCI 1371	Computing for Engineers & Scientists	3 hours
CSCI 1301	Computer Science I	3 hours
TOTAL		**65 hours**

Minors in the Department of Engineering Technology

Civil Engineering Technology Minor ¥		**16 hours**
CIVT 3101K	Surveying	4 hours
CIVT 3201K	Civil Engineering Materials	3 hours
CIVT 3211	Construction Estimating & Management	3 hours
CIVT 3401K	Highway & Transport Engineering	3 hours
ENGT 2101K	Computer Graphics	3 hours

Computer Science Technology Minor		**18 hours**
Select nine (9) or ten (10) hours from the following five (5) courses:		
CSCI 1301	Computer Science I	3 hours
ENGT 2101K	Computer Graphics I	3 hours
CSCI 1610	Programming in Java	3 hours
CSCI 2215	PERL Scripting	4 hours
CSCI 2231	Introduction to UNIX	3 hours
Upper Division Computer Science Technology courses		9 hours

General Technology Minor		**17 hours**
ENGT 2101K	Computer Graphics	3 hours
ENGT 3701	Engineering Economy	3 hour
ENGT 2201	Technical Writing	2 hours

General Technology Minor, continued		
ENGT 3101	Statics	3 hours
ELET 3101K	Electrical Circuits I	4 hours
ENGT 3501	Dynamics	2 hours

Electronics Engineering Technology Minor *		**18 hours**
ELET 3101K	Electrical Circuits I	4 hours
ENGT 2101K	Computer Graphics I	3 hours
ELET 4101K	Programmable Logic Controllers	4 hours
ELET 3301K	Digital Systems I	4 hours
ELET 3401K	Microprocessor Interfacing	3 hours

¥ Not available to Civil Engineering Technology majors.

* Not available to ELET, ELET (computer option), and Computer Science Technology majors.

Department of Mathematics

Mathematics Major

The Program in Mathematics and Physical Sciences within the Department of Engineering Technology 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

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.

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, pre-calculus, or calculus courses. Applicants for admission whose SAT score does not meet the requirements for the regular admission must take the Collegiate Placement Examination (CPE) or COMPASS placement test in English, reading and mathematics. Based on their achievement on the Mathematics test, these students are assigned to college algebra or to a mathematics course in the Center for Academic Success.

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 pass with an average of 50% to graduate from the program.

Exemption Examinations

Students may be exempted with credit hours from college algebra, pre-calculus, 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%
Pre-calculus	CLEP - Trigonometry	70%
Calculus I	Advanced Placement (AP) - Calculus AB	3% or above
Calculus II	Advanced Placement (AP) - Calculus BC	3% or above

Important

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 pre-calculus 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 pre-calculus.

Program of Study – Mathematics

Core Curriculum (see pages 79-80)		
Areas A, B, C, D, E, and additional requirements		**48 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
MATH 2201	Elementary Statistics	3 hours
Choose one (1) of the following:		
CSCI 1301	Computer Science I	3 hours
CSCI 1610	Programming in Java	4 hours

Major Requirements, continued		
Choose six (6) of the following:		
MATH 3000	Intro. To Bio Statistic	3 hours
MATH 4111	Abstract Algebra II	3 hours
MATH 4211	Analysis II	3 hours
MATH 4301	Survey of Partial Diff. Equations	3 hours
MATH 4311	Probability and Statistics II	3 hours
MATH 4411	Statistical Methods	3 hours
MATH 4421	Regression Analysis	3 hours
MATH 4501	Introduction to Topology	3 hours
MATH 4601	Mathematical Research	3 hours
MATH 4701	History of Math	3 hours
MATH 4902	Senior Research/Internship	3 hours

Hours required for the Major		**59 hours**		
Major Requirements		*53 hours*		
MATH 2301	Discrete Mathematics	3 hours		
MATH 3101	Linear Algebra	3 hours		
MATH 3201	Probability and Statistics I	3 hours	*Electives (2000 – 4000 level)*	*6 hours*
MATH 3211	Foundation of Higher Math	3 hours		
MATH 3301	Differential Equations	4 hours		
MATH 3401	Modern Geometry	3 hours		
MATH 3501	Numerical Analysis	3 hours		
MATH 4101	Abstract Algebra I	3 hours		
MATH 4201	Analysis I	3 hours		
MATH 4221	Complex Analysis	3 hours	**TOTAL**	**125 hours**
MATH 4401	Number Theory	3 hours		
MATH 4901	Senior Seminar	1 hours		

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

Minor in the Department of Mathematics

Mathematics Minor		**15 – 18 hrs**
MATH 2101	Calculus I	4 hours
MATH 2111	Calculus II	4 hours
MATH 3101	Linear Algebra	3 hours
MATH 3201	Probability & Statistics I	3 hours
Upper Division level mathematics 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.

Although students are able to use any 2000, 3000 and 4000 level classes to fulfill their electives, all mathematics majors are encouraged to take mathematics electives to fulfill their remaining 15 hours of coursework. The program has devised three cognate areas, and students are advised to choose one for their elective requirements.

Free Electives – Mathematics Major (15 hours)

Analysis Cognate:		
MATH 3301	Differential Equations	4 hours
MATH 4211	Analysis Ii	3 hours
MATH 4221	Complex Analysis	3 hours

Statistics Cognate:		
MATH 4211	Analysis II	3 hours
MATH 4311	Probability & 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 opting for the analysis cognate should take eight (8) hours of physics (calculus based) in Area B of the core curriculum.

Minors in the Department of Engineering Technology and Mathematics

Civil Engineering Technology Minor ¥		**13 hours**
CIVT 3101K	Surveying	4 hours
CIVT 3201K	Civil Engineering Materials	3 hours
CIVT 3211	Construction Estimating & Management	3 hours
CIVT 3401K	Highway & Transport Engineering	3 hours

Computer Science Technology Minor		**18 hours**
Select nine (9) or ten (10) hours from the following five (5) courses:		
CSCI 1301	Computer Science I	3 hours
CSCI 1302	Computer Science II	4 hours
CSCI 1610	Programming in Java	3 hours
CSCI 2215	PERL Scripting	4 hours
CSCI 2231	Introduction to UNIX	3 hours
Upper Division Computer Science Technology courses		9 hours

General Technology Minor		**17 hours**
ENGT 2101K	Computer Graphics	3 hours
ENGT 2111K	CAD Applications	1 hour
ENGT 2201	Technical Writing	2 hours

General Technology Minor, continued		
ENGT 3101	Statics	3 hours
ELET 3101K	Electrical Circuits I	3 hours
MECT 3101K	Engineering Materials	3 hours
ENGT 3501	Dynamics	2 hours

Electronics Engineering Technology Minor *		**18 hours**
ELET 3101K	Electrical Circuits I	3 hours
ELET 3111K	Electrical Circuits II	3 hours
ELET 4101K	Programmable Logic Controllers	3 hours
ELET 3301K	Digital Systems I	3 hours
ELET 3311K	Digital Systems II	3 hours
ELET 3401K	Microprocessor Interfacing	3 hours

Mathematics & Physical Science Minor #		**15 – 18 hrs**
MATH 2101	Calculus I	4 hours
MATH 2111	Calculus II	4 hours
MATH 3101	Linear Algebra	3 hours
MATH 3201	Probability & Statistics I	3 hours
Upper Division level mathematics course		3 hours

¥ Not available to Civil Engineering Technology majors.

* Not available to ELET, ELET (computer option), and Computer Science Technology majors.

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.

Department of Naval Science (Naval ROTC)

General

The department offers a minor in naval science but not all scholarship midshipmen are required to receive 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. . Normal program of study requirements for a commission are shown below and requirements for a minor in Naval Science are specified separately. All course for a minor work must be completed with a grade of "C" or better. NROTC students must receive NSCI Course credit, not MILs course credit, for ACE recommended military experience.

Program of Study – Naval Science

All Midshipmen:

NSCI 1001	Introduction to Naval Science	3 hours
NSCI 1002	Seapower & Maritime Affairs	3 hours
NSCI 2102	Leadership & Management	3 hours
NSCI 4104	Leadership & Ethics	3 hours

Advanced Program – Navy Option

NSCI 3003	Navigation	3 hours
NSCI 3004	Naval Operations & Seamanship	3 hours
NSCI 2101	Naval Ship Systems I (Engineering)	3 hours
NSCI 4001	Naval Ship Systems II (Weapons)	3 hours

Advanced Program – Marine Corps Option

NSCI 3101	Evolution of Warfare	3 hours
NSCI 4102	Amphibious Warfare	3 hours

Naval Science Minor – Navy Option 15 hours

NSCI 1002	Seapower & Maritime Affairs	3 hours
NSCI 2101	Naval Ship Systems I (Engineering)	3 hours
NSCI 3003	Navigation	3 hours
NSCI 3004	Naval Operations & Seamanship	3 hours
NSCI 4001	Naval Ship Systems II (Weapons)	3 hours

Naval Science Minor – Marine Corps Option 15 hours NSCI

1001	Introduction to Naval Science	3 hours
NSCI 1002	Seapower & Maritime Affairs	3 hours
NSCI 3101	Evolution of Warfare	3 hours
NSCI 4102	Amphibious Warfare	3 hours
NSCI 4001	Naval Ship Systems II (Weapons)	3 hours

Additional and Substitute Requirements:

NSCI 4050	Naval Drill *	2 hours

* Required each academic term of all midshipmen

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
	3 hours
Regional studies, World Culture and/or World Religion	3 hours
Military history and political science	6 hours

Note: Professor of Naval Science will promulgate courses that satisfy the above requirements.

All Midshipmen:

NSCI 1001	Introduction to Naval Science	2 hours
NSCI 1002	Seapower & Maritime Affairs	3 hours
NSCI 1003	Sailing	3 hours
NSCI 2101	Naval Ship Systems I (Engineering)	3 hours
NSCI 2102	Leadership & Management	3 hours

Additional and Substitute Requirements:

NSCI 4050	Naval Drill *	2 hours

* Required each academic term of all midshipmen

NSCI 1003 & 4050 satisfy the university physical education requirement

NSCI 4001	Naval Ship Systems II (Weapons)	3 hours	*Navy Scholarship Midshipmen (additional requirements):*	
NSCI 4104	Leadership & Ethics	3 hours	One year of calculus (completed before junior year)	6 hours
			One year of calculus based physics (completed before	
Advanced Program – Navy Option			senior year)	6 hours
NSCI 3003	Navigation	3 hours		
NSCI 3004	Naval Operations & Seamanship	3 hours	Regional studies, World Culture and/or World Religion	3 hours
			Military history and political science	6 hours
Advanced Program – Marine Corps Option				
NSCI 3101	Evolution of Warfare	3 hours		
NSCI 4102	Amphibious Warfare	3 hours	*Note: Professor of Naval Science will promulgate courses that satisfy the above requirements.*	

Non-Scholarship Navy College Program Midshipmen (non-scholarship)

These students must complete on 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

Nationally awarded Navy ROTC 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 $350 book stipend per semester. Additionally, the Professor of Naval Science has several Historically Black College and University NROTC Scholarships that may be awarded to qualified high school seniors and 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 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 military history and complete the appropriate military science courses. Students interested in this program should first consult with the Army ROTC Department.

Basic military science courses (MILS 1101, 1102, 2201 and 2202) 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 are considered for contracting and enrolling in the Advanced Course (MILS 3301, 3302, 4401 and 4402). All students must be contracted prior to enrolling in the Advanced Course.

Program of Study – Military Science

Basic Courses

MILS 1101	Introduction to Military Science & Skills Development	2 hours
MILS 1102	Basic Military Leadership	2 hours
MILS 2001	Evolution of Warfare	2 hours
MILS 2201	Basic Military Skills	2 hours
MILS 2202	Basic Military Tactics	2 hours
MILS 2250	Leader's Training Course Ft. Knox, KY (optional registration)	5 hours
MILS 5000K	Basic Leadership Lab	0 hours

Advanced Courses

MILS 3301	Advanced Tactics & Applied Leadership I	3 hours
MILS 3302	Advanced Tactics & Applied Leadership II	3 hours
MILS 3350	Leadership Development and Assessment Course, Ft. Knox, KY (optional registration but mandatory attendance)	5 hours
MILS 4401	Military Leadership & Management Seminar	3 hours
MILS 4402	Transition to Lieutenant	3 hours

Placement

Veterans entering the military science program 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 Course.

Alternate Programs for Admittance

Leadership Training Course (LTC)

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 Course. Those selected must satisfactorily complete a four week training program at Fort Knox, Kentucky, also called Leadership Training Course (LTC). Students attending are paid active army rates and given a travel allowance from their home to camp and return. Attendance at LTC is voluntary and incurs no military obligation until the student returns and decides to sign a contract to pursue a commission.

Master's Degree

Students seeking a Master's Degree are eligible to be considered for selection into the Advanced Course.

Financial Assistance

All Contracted Cadets are paid a subsistence allowance of $300.00 to $500.00 while enrolled in Military Science Courses. Amounts vary by academic year.

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 $350.00 to $500.00 per month stipend 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 are 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 dismissal or withdrawal 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. 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.

Mandatory Summer Training

Leadership Development and Assessment Course (LDAC)

Although it is not mandatory for all students to register for this course, students who are contacted and in the Advanced Course are required to attend LDAC/MILS 3350 at Fort Knox, Kentucky. Students attending this course are paid active army rates and given travel allowance from their home to camp and return. If a contracted Cadet intends to receive a minor in Military Science, they must register and pay for this course during the Summer Semester after successful completion of their Junior academic year or upon entering their Senior academic year.

The Leader Development and Assessment Course, conducted at Fort Knox, KY, provides the best possible, professional training and evaluation for all Cadets. Although the camp mission includes continued training and leadership development, the primary focus at camp is to evaluate each Cadet's Officer potential. This camp represents the only opportunity for command to gather all Cadets on one "level playing field" for the purposes of making this assessment as accurately and as professionally as possible.

LDAC, also known as Warrior Forge, is the most important training event for an Army ROTC Cadet. Cadets attend this camp during the summer prior to their final year of study. The 32-day training event incorporates a wide range of subjects designed to develop and evaluate leadership ability. The challenges are rigorous and demanding, both mentally and physically. LDAC tests intelligence, common sense, ingenuity and stamina. These challenges provide a new perspective on an individual's ability to perform exacting tasks and to make difficult decisions in demanding situations.

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 Military History: MILS 2001

Minor Concentration

The department offers a minor in military science to contracted Cadets ONLY. 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 19 credit hours with minimum grades of “B” in the following military science courses: MILS 3301, 3302, 4401, and 4402, HIST 2001, and MILS 3350

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.

All Cadets are required to participate in 3 PT sessions per week. These sessions are part of their regular military science class and are normally held on Monday, Wednesday and Friday mornings.

School of Teacher Education

The School of Teacher Education (SOTE) is the organizational unit for STEM focused teacher education programs, TRIO Programs, and the Gaining Early Awareness and Readiness for Undergraduate (GEAR UP) Program. The Dean of the School of Teacher Education provides leadership for the unit and works collaboratively with deans of the other units to ensure continuity with university-wide initiatives and to develop community partners.

The School of Teacher Education, in collaboration with the College of Sciences and Technology, will prepare students to become certified teachers. Students pursuing a Bachelor of Science in Education or a four year degree in biology, and mathematics will have the option of concentrating in secondary education leading to certification in grades 6-12; and, students pursuing a four year degree in civil engineering technology, or electronic engineering technology will have the option of concentrating in secondary education leading to certification in grades P-12. SOTE will provide field experiences and clinical practices to integrate theory and practice in classroom settings. Graduates will be teachers with the knowledge, skills, and dispositions to serve the diverse educational needs of students in grades P-12 in the state of Georgia.

TRIO Programs are Federal outreach and student services programs designed to identify and provide services for individuals from disadvantaged backgrounds. TRIO at Savannah State University includes three programs (Educational Talent Search, Student Support Services, and Upward Bound). These programs are designed to primarily serve and assist low-income individuals, first-generation college students, and individuals with disabilities to progress through the academic pipeline from middle school to post baccalaureate programs.

GEAR UP is a discretionary grant program designed to increase the number of low-income students who are prepared to enter and succeed in postsecondary education. GEAR UP provides six-year grants to states and partnerships to provide services at high-poverty middle and high schools. GEAR UP grantees serve an entire cohort of students beginning no later than the seventh grade and follow the cohort through high school.

Savannah State University's School of Teacher Education programs are approved by the University System of Georgia’s (USG) Board of Regents and the Georgia Professional Standards Commission (GaPSC).

Mission:
The mission of the School of Teacher Education is to prepare and empower professional educators with the knowledge, skills, and dispositions to teach all students in a global, diverse educational setting; to provide inclusive learning environments; and to demonstrate ethical behaviors.

Vision:
Savannah State University’s School of Teacher Education envisions graduates who embrace dynamic educational changes impacted by technological innovations, diverse issues, and global challenges, and have the intellectual capacity to teach all children to be productive citizens in a global community. To this end, the School and its faculty are committed to quality research, exemplary teaching, collaborative partnerships and outreach activities that ensure all programs are Standards-aligned, Assessment-focused, Integrated technology, and use researched-based pedagogy congruent to assure positive Learner-driven outcomes for all students (SAIL).

Educator Preparation Program Student Learning Outcomes (PSLOs):

The program student learning outcomes (PSLOs) of the Educator Preparation Program in the School of Teacher Education at Savannah State University are aligned to the unit’s mission and conceptual framework. As a School that is grounded in research-based teaching practices, and that adheres to the principles, policies, and procedures framed in state and national standards, the School

of Teacher Education enables teacher candidates to be equipped to address the academic achievement of all students. More specifically, SOTE's PSLOs are outlined in items 1–5 that define candidate proficiencies.

PSLO 1. Content and Pedagogical Knowledge
Teacher candidates will possess induction level content and pedagogical knowledge as demonstrated by the ability to address state and local curricula and standards that meet the needs of all students through relevant learning experiences.

PSLO 2. Instruction: Planning, Strategies, Differentiation, and Technology
Teacher candidates will use research-based, instructional strategies and technologies that are relevant to the content and that address individual learning needs and interests to actively engage learners in higher-order and critical thinking.

PSLO 3. Assessment: Strategies and Use of Data
Teacher candidates will be able to design and select varied diagnostic, formative, and summative assessment tools and strategies that are appropriate for the content and student population and use technology to analyze and develop data-driven solutions to improve instruction and provide constructive feedback to students, parents, and stakeholders.

PSLO 4. Supportive and Challenging Learning Environment
Teacher candidates will be able to create and maintain a supportive, student-centered academic environment in which learners are challenged and encouraged to become self-directed and reflective learners to achieve at their full potential.

PSLO 5. Professionalism and Communication
Teacher candidates will exhibit professional ethics and the dispositions expected of an educator through professional development, communication and collaboration with colleagues, and engagement with students and the school community.

Program requirements and expectations:

Acceptance and enrollment at Savannah State University (SSU) does not automatically qualify an applicant in the Teacher Education Program. In accordance with Board of Regents, the Georgia Professional Standards Commission, and the School of Teacher Education (SOTE), candidates must be formally screened and apply for admission to professional education. During the first three semesters, students interested in the teacher education program should take EDUC 2000 – Technology in Teaching and Learning, EDUC 2103 - Educational Psychology, EDUC 2110 – Investigating Critical and Contemporary Issues in Education, EDUC 2120 Socio-cultural Influences in Teaching and Learning, and EDUC 2130 - Exploring Teaching and Learning. Students should also complete as many General Education requirements as possible. In addition to required coursework, students MUST pass the Georgia Assessments for the Certification of Educators (GACE).

Students interested in teacher education will have to apply for admission to the Teacher Education Program and must:

1. Complete and submit an application for admission to the School of Teacher Education
2. Successfully complete at least 45 semester hours of accredited college coursework.
3. Complete and satisfy a clear criminal history background clearance through Savannah State University Police Department or an external source through the school district assigned for placement, observation, and clinical practice/student teaching.
4. Completed 60 clock hours of field experience.
5. Submit a verification of tort liability insurance.
6. Achieve a cumulative GPA of 2.50 (4.0 scale) grade point average (with grade of C or higher) for all attempted hours in the system core curriculum Areas A—F.
7. Submit passing scores on the GACE Program Admission Assessment or be exempt by acceptable SAT (totaling 1000 or more in Reading & Math) or ACT (totaling 43 in English & Math) scores.
8. Complete EDUC 2000, EDUC 2103, EDUC 2110, EDUC 2120, and EDUC 2130 with grades of C or higher.
9. Submit two positive recommendations along with character disposition surveys from faculty members at Savannah State University.
10. Compose a 300-400 words personal statement in APA format. The statement should contain three (3) components: 1) a brief autobiographical section describing the applicant's background, 2) the applicant's motivation to become a teacher, and 3) the applicant's hopes for the future including aspirations as to the type of teacher the applicant hopes to become.
11. Complete an interview with representatives of the Teacher Education Council (TEC), who will make the admission decision.

Note: There are additional fees associated with educator preparation that will be reviewed with students after admission.

Course Lettering System

Four capital letters followed by four numbers are used to designate individual courses. The following is a list of the abbreviations used, as well as page numbers of courses in specific subject areas.

School of Teacher Education	
Abbreviation	**Course**
EDUC	Education
BIED	Biology Education
ETED	Technology Education
MAED	Mathematics Education

Bachelor of Science (Teacher Certification Track): Biology (grades 6-12), Engineering Technology (Civil or Electronic, grades P-12); and, Mathematics (grades 6-12) Teacher Certification Track.
Bachelor of Science in Education (BSED): Biology (grades 6-12), Engineering Technology (grades P-12 and Mathematics (grades 6-12).

Legend:

*BSED
+Teacher Certification Track/Concentration and BSED

Foundation / Elective Education Courses				Engineering Technology Education Courses		
EDUC 2000	Technology in Teaching and Learning	3 hours+		ETED 2201	Literacy and Technical Writing in Engineering and Technology Education	3 hours*
EDUC 2103	Educational Psychology	3 hours+		ETED 2202	Qualitative and Quantitative Research Methods in Engineering and Technology Education	3 hours*
EDUC 2110	Investigating Critical and Contemporary Issues in Education	3 hours+		ETED 2500	Introduction to Engineering and Technology Education	1 hour*
EDUC 2120	Socio-cultural Influences in Teaching and Learning	3 hours+		ETED 3000	Principals of Engineering and Technology Education (Grades P-12)	3 hours+
EDUC 2130	Exploring Teaching and Learning	3 hours+		ETED 3211	Connections in P – 12 Engineering by Design	4 hours*
EDUC 2140	Exploring Global Issues in Education	3 hours+		ETED 3301	Hydraulic and Pneumatic Systems in Technology Education	3 hours*
EDUC 2150	International Education Field Experiences	3 hours+		ETED 3601	Engineering Technology Education Classroom & Lab Practicum	3 hours*
Professional Education Courses				ETED 4416	Teaching and Standards in Engineering and Technology Education (Grades P-12)	3 hours+
EDUC 3030	Teaching Exceptional Learners	3 hours+				
EDUC 3040	Classroom Management & Ethics	3 hours*		ETED 4417	Methods and Strategies for Teaching P-12 Engineering and Technology Education	3 hours+
				Mathematics Education Courses		
EDUC 3200	Curriculum and Assessment	3 hours+		MAED 2201	Mathematics Literacy for Diverse Classroom	3 hours*
EDUC 4475	Clinical Practice (Student Teaching) and Seminar	12 hours+		MAED 3001	Qualitative and Quantitative Research Methods in Mathematics Education	3 hours*
Biology Education Courses						
BIED 2201	Biology Literacy	3 hours*		MAED 3002	Connections in Secondary School Mathematics	3 hours*
BIED 3142	Laboratory Teaching Practicum	3 hours*		MAED 4416	Teaching and Standards in Mathematics Education (Grades 6-12)	3 hours+
BIED 4416	Teaching and Standards in Biology Education (Grades 6-12)	3 hours+		MAED 4417	Methods and Strategies for Teaching Secondary School Mathematics (Grades 6-12)	3 hours+
BIED 4417	Methods and Strategies for Teaching Secondary School Biology (Grades 6-12)	3 hours+				

Program of Study for Biology, Civil or Electronic Engineering Technology, and Mathematics Education:

NOTE: Follow the core curriculum, in addition to the educational course requirements below. All STEM education students must follow the major grids for Biology, Civil Engineering Technology, Electronic Engineering, and Mathematics Programs listed under the College of Sciences and Technology. Courses listed in the Major Requirement categories may change at the discretion of the College of Sciences and Technology. Education methods pedagogy requirement categories may change at the discretion of the School of Teacher Education.

EDUC 2000 Technology in Teaching and Learning 3 Credits

This course examines the knowledge, skills, and dispositions of effective teachers. Course topics include characteristics of effective teachers; knowing your diverse students; instructional planning; differentiating instruction; teacher-centered and student-centered instructional strategies; strategies to promote student understanding, thinking, and engagement; managing lesson delivery; classroom management and discipline; assessing and reporting student performance; and working with colleagues and parents. Current use of technology will be integrated as communication and instructional tools.

EDUC 2103 Educational Psychology 3 Credits

This course introduces psychological principles, theories, and methodologies to issues of teaching and learning in schools and investigates the primary issues and problems in educational psychology. Major theories will be examined in these realms and how we can apply these theories to become better teachers and learners. With a focus on P-12 learners, this course explains human growth and development, cognitive and linguistic development; personal, social, and moral development; individual and group differences; behaviorist views of learning; social cognitive views of learning; motivation; instructional strategies; classroom management; and assessment.

EDUC 2110 Investigating Critical and Contemporary Issues in Education 3 Credits

This course engages students in observations and interaction in schools, and analyzes critical and contemporary educational issues. Students will investigate issues influencing the social and political contexts of educational settings in Georgia and the United States. Students actively examine the teaching profession from multiple vantage points both within and outside the school. Against this backdrop, students reflect on and interpret the meaning of education and schooling in a diverse culture. Students will use current technologies, which are directly related to effective teaching and participate in appropriate school settings, (i.e. elementary/early childhood, middle grades, secondary or P-12 environments). The purpose of this course is to help students formulate a foundation for critical thinking about economic, political, technological, and cultural influences on the development of educational policy. High priority is given to student development of logical reasoning, clear writing and analytical skills in order to facilitate their study of any educational issue with an open, informed and critical eye. Students will engage in critical inquiry as a way of clarifying and addressing the pressing challenges the face American Public schools. There are 15 field experience hours in this course. The course cannot be passed without completion of the field experience hours. Verification of professional liability insurance and a clear criminal background check are required prior to receiving a school placement.

EDUC 2120 Socio-cultural Influences in Teaching and Learning 3 Credits

This course introduces teachers to fundamental knowledge of culture essential for effective teaching in increasingly diverse classrooms. Designed as a foundation course for subsequent courses focused on the preparation of culturally responsive teachers, this course examines 1) the nature and function of culture; 2) the development of individual and group cultural identity; 3) definition and implications of diversity; and 4) the influences of culture on learning, development and pedagogy. Includes 15 hours of field experience and participation in an appropriate school setting-elementary/early childhood, middle grades, secondary or P-12 environments. The course cannot be passed without completion of the field experience hours. Verification of professional liability insurance and a clear criminal background check are required prior to receiving a school placement. Time documentation, evaluation forms and reflections papers are required.

EDUC 2130 Exploring Teaching and Learning 3 Credits

This course examines the knowledge, skills, and dispositions of effective teachers. Course topics include characteristics of effective teachers; knowing your diverse students; instructional planning; differentiating instruction; teacher-centered and student-centered instructional strategies; strategies to promote student understanding, thinking, and engagement; managing lesson delivery; classroom management and discipline; assessing and reporting student performance; and working with colleagues and parents. Current use of technology will be integrated as communication and instructional tools. There are 30 field experience hours in this course. The course cannot be passed without completion of the field experience hours. Verification of professional liability insurance and a clear criminal background check are required prior to receiving a school placement. **Pre-requisites:** EDUC 2110 and EDUC 2120.

EDUC 2140 Exploring Global Issues in Education 3 Credits

This course is a guided field experience designed to immerse students in global issues challenging the educational community worldwide, from both academic and experiential perspectives. Through guided studies and field experiences abroad, students will gain a greater appreciation of the challenges faced by emerging nations that include the effects of poverty, exceptionality, race, ethnicity, language and gender on access to quality education and equitable life chances. By studying and completing a field experience abroad, students will gain insights into linkages between education and national development, as well as the impact of national, multinational, NGO organizations and global civil society's role in nation building.

EDUC 2150 International Education Field Experience 3 Credits

This course is a guided field experience focused on an examination of current critical issues within schools abroad. Through international field experiences, as well as guided studies, participants will gain a greater appreciation of the challenges faced by schools abroad, which include the effects of poverty, exceptionality, race, ethnicity, language and gender on access to equitable opportunities. The course is designed to help students work within international schools while gaining insights into global and local educational issues.

EDUC 3030 Teaching Exceptional Learners 3 Credits

This course is designed to prepare candidates to work collaboratively with families and school personnel to have a positive impact on the educational, social and behavioral development of all students, including those with a full range of disabilities, in a diverse society. The course focuses on knowledge of legislative mandates for serving exceptional students, characteristics of exceptionality, best practices in facilitating teaching and learning, and accountability through assessment outcomes. This course fulfills Georgia HB 671 requirement. There are 30 field experience hours in this course. The course cannot be passed without completion of the field experience hours. Verification of professional liability insurance and a clear criminal background check are required prior to receiving a school placement. **Pre-requisite:** Admission to Teacher Education.

EDUC 3040 Classroom Management & Ethics of Teaching 3 Credits

This course is designed to address the professional roles, expectations, dispositions, and collaborative relationships expected of professional educators as well as effective classroom management strategies to produce & maintain a conducive learning environment for all students. **Pre-requisite:** None

EDUC 3200 Curriculum and Assessment 3 Credits

This course focuses on the study of the foundations of curriculum, instructional and assessment development to include rubrics. Additionally, the course will engage students in the investigation and analysis of selected current issues, innovations and trends with an emphasis on student learning outcomes. Finally, the course will review assessment methods relative to constructing, evaluating, and interpreting tests with an understanding on reliability, valid and fair measurements; descriptive and inferential statistics; state competency testing; as well as edTPA guidelines for state program evaluations and how these results are utilized to make future curriculum decisions.. Post completed assignments, reflections, and other artifacts related to this course will be assessed through e-portfolio submissions in LiveText. The e-portfolio is required for all education courses. There are 60 field experience hours in this course. The course cannot be passed without completion of the field experience hours. Verification of professional liability insurance and a clear criminal background check are required prior to receiving a school placement. **Pre-requisite:** Admission to the School of Teacher Education.

EDUC 4475 Clinical Practice (Student Teaching) and Seminar 12 Credits

Clinical Practice (Student Teaching) and Seminar is a culminating course experience in the program of study for teacher education preparation candidates. Teacher candidates will engage in 15 weeks full-time (content-specific, in field) teaching experience under the supervision of a public school collaborative teacher who is a master teacher in his/her content-specific field. This course includes regularly scheduled seminars. Teacher candidates must: (1) have proof of professional liability insurance, (2) have a clear criminal

background check, and (3) pass a drug test. These requirements must be met for teacher candidates to receive a school placement in the designated public school system. This course is also designed to meet GaPSC rule 505-3-.01 and 505-2-.16 for Teacher Preparation. The e-portfolio is required for all education courses. **Prerequisites:** Admission to Teacher Education, completion of all 3000 level courses, BIED, ETED, or MAED 4416, 4417 and BIED 4418, respective to program.

Biology Education Specific:

BIED 2201 Biology Literacy 3 Credits

This course will review content area concepts, biological literacy and science teaching principles, methods, and techniques in preparation for licensure. Teacher candidates will produce a final product and portfolio of teacher preparation materials. **Pre-requisites:** Admission to Teacher Education, completion of all 3000 level courses, BIED 4416, BIED 4417, and the biology content area courses.

BIED 3142 Laboratory Teaching Practicum 3 Credits

This course is designed for future teachers to gain skills and dispositions for coordinating and maintaining laboratory spaces and maintaining lab safety through proper laboratory procedures as well as classroom management. Students will also develop lab exercises, assess lab exercises, and create plans for adapting labs for differently abled individuals and financial considerations. The course will require 4 hours practicum in a laboratory class with faculty supervision and 1 hour class meeting weekly. **Pre-requisite:** Admission to Teacher Education.

BIED 4416 Teaching and Standards in Biology Education (Grades 6-12) 3 Credits

This course is an examination and application of curricular issues, learning theories, teaching strategies, instructional materials, and assessment procedures for teaching secondary school biology in the multicultural and diverse classroom of today. The course also includes a secondary school field experience in biology teaching and seminars. The course emphasizes those practices suggested by research in biology education and encouraged by the NSTA. Verification of professional liability insurance and a clear criminal background check are required prior to receiving a school placement. This course is also designed to meet GaPSC rule 505-3-.01 and 505-2-.16 for Teacher Preparation. The e-portfolio is required for all education courses. There are 60 field experience hours in this course. The course cannot be passed without completion of the field experience hours. Verification of professional liability insurance and a clear criminal background check are required prior to receiving a school placement. **Prerequisites:** Admission to Teacher Education and completion of all 3000 level education courses. This course must be taken concurrently with BIED 4417.

BIED 4417 Methods and Strategies for Teaching Secondary School Biology 3 Credits

The course is designed to provide teacher candidates with strategies to manage their classrooms effectively for the multicultural classroom of the 21st Century. Emphasis on learning management systems, record keeping, writing commentary, technology use, adhering to safety procedures, conducting laboratory experiments, behavior modification, and differentiation. Research-based strategies will provide teacher candidates with resources to build rapport with students, institute expectations, designing the classroom, diminish low-level behaviors, motivate students, and maximize instructional time. There are 60 field experience hours in this course. The course cannot be passed without completion of the field experience hours. Verification of professional liability insurance and a clear criminal background check are required prior to receiving a school placement. The e-portfolio is required for all education courses**. Prerequisites:** Admission to Teacher Education, completion of all 3000 level education courses. This course must be taken concurrently with BIED 4416.

Engineering Technology Education Specific:

ETED 2201 Literacy and Technical Writing in Engineering and Technology Education 3 Credits

This course explore methods for teaching P-12 to read, write, think, and learn in ways that allow them to master the subject matter and meaningfully apply their understanding. Candidates learn to plan lessons that teach that nurture greater literacy. Before, during, and post-reading strategies are explored, along with assessment methods that give students a continual view of their literacy progress and achievement. Classroom adaptations for culturally and linguistically diverse population and technical writing in the engineering and technology education areas are also addressed.

ETED 2202 Qualitative and Quantitative Research Methods in Engineering and Technology Education 3 Credit

This course will examine research methods in Engineering and Technology Education. Students will be introduced to basic vocabulary, concepts, and methods of educational research. Students will learn the language of research, various methods for conducting research, how to identify and synthesize research literature, how to plan a research study that improves the practice of education or training, and how to formally report research findings.

ETED 2500 Introduction to Engineering and Technology Education 3 Credit

This course is an introduction to Engineering and Technology Education. While offering current viewpoints on the subject of technology the course prepares students for their future as teachers, and simultaneously teaches about the evolution of society's technical means. Through this approach, students will learn to fuse ideas and concepts from many engineering technology areas while relating to their own interests and backgrounds. Course is required for students who are seeking teacher certification.

ETED 3000 Principles of Engineering and Technology Education 3 Credits

This course is designed to provide students with experience in the application of the principles of physics and mathematics as they relate to technological systems. Instruction covers seven technical principles: force, work, rate, resistance, energy, power, and force transformers, emphasizing how each principle plays a unifying role in the operation of mechanical, fluid, electrical, and thermal systems. There are 15 field experience hours in this course. The course cannot be passed without completion of the field experience hours. Verification of professional liability insurance and a clear criminal background check are required prior to receiving a school placement. The e-portfolio is required for all education courses. **Prerequisite:** ETED 2500

ETED 3211 Connections in P-12 Engineering by Design 3 Credits

This course bridges connections of all sorts: those between different technological systems; engineering and science; and engineering/technology and the real world of people, business and everyday life. The course integrates technology through the use of lab equipment and computers, which students use to make design and create; validate findings; and investigate concepts, problems, and projects in greater depth. The emphasis on writing and the use of alternative types of assessment in this course is designed to help the student teachers to adapt their teaching strategies in order to meet every student's need. There are 10 field experience hours in this course. The course cannot be passed without completion of the field experience hours. Verification of professional liability insurance and a clear criminal background check are required prior to receiving a school placement. **Pre-requisite:** ETED 3000.

ETED 3301 Hydraulic and Pneumatic Systems in Technology Education 3 Credits

This course introduces the basic components, functions and theories of hydraulic and pneumatic power systems used in Engineering and Technology Education Programs. Topics include pumps, control valves, control assemblies, and switching and control devices. Upon completion, students should be able to understand the operation of a fluid power system, including design, application, and troubleshooting as well as integrating hose components into teaching strategies in P-12 Engineering Technology Education Programs. **Pre-requisite:** ETED 3000.

ETED 3601 Engineering Technology Education Classroom & Lab Practicum 3 Credits

This course is an in-depth study of the Engineering and Technology Education classroom and lab. Through instruction and real-world examples, students will explore engineering concepts, theory and principals necessary for pedagogical functions of an engineering technology education class with emphasis on lab. There are 10 field experience hours in this course. The course cannot be passed without completion of the field experience hours. Verification of professional liability insurance and a clear criminal background check are required prior to receiving a school placement. **Pre-requisite:** Admission to Teacher Education and ETED 3000 and ETED 3211.

ETED 4416 Teaching and Standards in Engineering and Technology Education 3 Credits

This course examines the philosophy, mission, vision, goals, content standards, and teaching methods of Engineering and Technology Education. The Georgia State program standards and curricula, teaching and learning strategies, core technologies, performance-based instruction, and student assessment are also covered. Integrating core academic knowledge and skills, and the professional roles and responsibilities of Engineering and Technology Education teachers within the total school community at the secondary level are discussed. This course is designed to give engineering and technology education students' specialty knowledge and professional knowledge in the area of integrating technology into school curriculums. The teacher as a cognitive mediator, communicator, researcher, manager, and evaluator will be considered in the content of this course. Content, management and teaching strategies are examined. Emphasis will be placed on lesson delivery, classroom management, and teaching and learning styles. There are 60 field experience hours in this course. The course cannot be passed without completion of the field experience hours. Verification of professional liability insurance and a clear criminal background check are required prior to receiving a school placement. The e-portfolio is required for all education courses. **Prerequisites:** Admission to Teacher Education and completion of all 3000 level education courses. This course must be taken concurrently with ETED 4417.

ETED 4417 Methods and Strategies for Teaching P-12 Engineering and Technology Education 3 Credits

The course is designed to provide teacher candidates with strategies to manage their technology education classrooms effectively for the 21st Century in order to decrease disturbances and increase instructional time. Teacher candidates will learn techniques for developing rapport with students, instituting expectations, designing their classroom, adhering to OSHA safety standards, responding aptly to inappropriate behavior, while utilizing self-directed behavior modification. Research-based strategies will provide teacher candidates with resources to diminish low-level behaviors, motivate students, and maximize instructional time. There are 60 field experience hours in this course. The course cannot be passed without completion of the field experience hours. Verification of professional liability insurance and a clear criminal background check are required prior to receiving a school placement. **Prerequisites:** Admission to Teacher Education and completion of all 3000 level education courses. This course must be taken concurrently with ETED 4416.

Mathematics Education Specific:

MAED 2201 Mathematics Literacy for Diverse Classroom 3 Credits

This course explore methods for teaching middle and high school students to read, write, think, and learn in ways that allow them to master the subject matter and meaningfully apply their understanding. Candidates learn to plan lessons that teach content and nurture greater literacy. Pre-, during-, and post-reading strategies are explored, along with assessment methods that give students a continual view of their literacy progress and achievement. Classroom adaptations for culturally and linguistically diverse population in the content areas are also addressed. There are 10 field experience hours in this course. The course cannot be passed without completion of the field experience hours. Verification of professional liability insurance and a clear criminal background check are required prior to receiving a school placement. **Pre-requisite:** Admission to Teacher Education.

MAED 3001 Qualitative and Quantitative Research Methods in Mathematics Education
3 Credits

This course will examine qualitative methods and quantitative methods. In qualitative research, interviewing, observations and document analysis will be the major source of the qualitative data for understanding the phenomenon under study. Observations will involve collecting qualitative information about human actions and behaviors in social activities and events in a real social environment, such as classroom teaching and learning. This course will also advance the student's ability to use scientific methods for quantitative data collection and analysis. **Pre-requisite:** Admission to Teacher Education.

MAED 3002 Connections in Secondary School Mathematics 3 Credits

This course blends the mathematics of algebra, geometry, trigonometry, probability, statistics, and discrete mathematics. Connections in Secondary School Mathematics course bridges connections of all sorts: those between different mathematical areas; mathematics and science; mathematics and other subject areas; and mathematics and the real world of people, business and everyday life. The course integrates technology through the use of graphing calculators and computers, which students use to make conjectures; validate findings; and investigate concepts, problems, and projects in greater depth. The emphasis on writing and the use of alternative types of assessment in this course is designed to help the student teachers to adapt their teaching strategies in order to meet every student's need. **Pre-requisite:** Admission to Teacher Education.

MAED 4416 Teaching and Standards in Mathematics Education 3 Credits

The course is an exploration of the fundamental issues and practices associated with teaching secondary mathematics. Beginning with a review of the current state standards and NCTM Principles and Standards, participants examine aspects of math classroom practice from various perspectives. Through observations, interaction and discussion, students review lesson planning, instructional models, differentiation methods, technology infusion and assessment methods for middle and high school mathematics classrooms. Verification of professional liability insurance and a clear criminal background check is required prior to placement in the field experience. There are 60 field experience hours in this course. The course cannot be passed without completion of the field experience hours. Verification of professional liability insurance and a clear criminal background check are required prior to receiving a school placement. The e-portfolio is required for all education courses. **Pre-requisites:** Admission to Teacher Education, and completion of all 3000 level education courses. This course must be taken concurrently with MAED 4417.

MAED 4417 Methods and Strategies for Teaching Secondary School Mathematics 3 Credits

The course will examine the strategies that can be used to create an effective 21st Century learning environment. The goal is to equip the students with certain core competencies such as collaboration, digital literacy, critical thinking, and problem solving. The course will also examine strategies and skills to engage creatively mathematics students and master teaching and assessment techniques appropriate for the implementation of the current math state standards. There are 60 field experience hours in this course. The course cannot be passed without completion of the field experience hours. Verification of professional liability insurance and a clear criminal background check are required prior to receiving a school placement. The e-portfolio is required for all education courses. **Pre-requisites:** Admission to Teacher Education and completion of all 3000 level education courses. This course must be taken concurrently with MAED 4416.

All students must earn a minimum grade of "C" in all courses specified as major/or minor requirements for their degree. Students enrolled in the Program of Mathematics Education 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.

Program of Study – Biology (Teacher Certification Track)

Core Curriculum			Major Requirements		29 hours
Areas A, B, C, D, E, and additional requirements		**48 hours**	BIOL 3101	Botany	3 hours
Note: Area D includes natural science electives, and biology majors are required to enroll in CHEM 1211, 1211L, 1212, and 1212L			BIOL 3101L	Botany Lab	1 hour
			BIOL 3201	Cell Biology	3 hours
			BIOL 3201L	Cell Biology Lab	1 hour
Area F courses appropriate to the program of study		**17 hours**	BIOL 3301	Genetics	3 hours
BIOL 1001	Introduction to Life Science	1 hour	BIOL 3301L	Genetics Lab	1 hour
BIOL 1107	Principles of Biology I	3 hours	BIOL 3321	Microbiology	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
PHYS 1111K	Introductory Physics I	4 hours
PHYS 1112K	Introductory Physics II	4 hours
Education Foundation Courses		**15 hours**
EDUC 2000	Technology in Teaching and Learning	3 hours
EDUC 2103	Educational Psychology	3 hours
EDUC 2110	Investigating Critical and Contemporary Issues in Education	3 hours
EDUC 2120	Socio-cultural Influences in Teaching and Learning	3 hours
EDUC 2130	Exploring Teaching and Learning	3 hours

BIOL 3321L	Microbiology Lab	1 hour
BIOL 2401/3401	Ecology & Evolution Biology	3 hours
BIOL 2401L/3401L	Ecology & Evolution Biology Lab	1 hour
BIOL 3801	Animal Physiology	3 hours
BIOL 3801L	Animal Physiology Lab	1 hour
BIOL 4921	Senior Seminar/Research	2 hours
BIOL 4930	Senior Synthesis	3 hours
Major Education Courses		**24 hours**
EDUC 3030	Teaching Exceptional Learners	3 hours
EDUC 3200	Curriculum and Assessment	3 hours
BIED 4416	Teaching and Standards in Biology Education	3 hours
BIED 4417	Methods and Strategies for Teaching Secondary School Biology (Must be taken with BIED 4416)	3 hours
EDUC 4475	Clinical Practice (Student Teaching) and Seminar	12 hours
TOTAL		**133**

Program of Study – Biology (Bachelor of Science in Education)

Core Curriculum

Areas A, B, C, D, E, and additional requirements	**48 hours**

Note: Area D includes natural science electives, and biology majors are required to enroll in CHEM 1211, 1211L, 1212, and 1212L

Area F courses appropriate to the program of study		**18 hours**
EDUC 2000	Technology in Teaching and Learning	3 hours
EDUC 2103	Educational Psychology	3 hours
EDUC 2110	Investigating Critical and Contemporary Issues in Education	3 hours
EDUC 2120	Socio-cultural Influences in Teaching and Learning	3 hours
EDUC 2130	Exploring Teaching and Learning	3 hours
BIED 2201	Biology Literacy	3 hours

Major Requirements		**38 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	3 hours
BIOL 2401/3401	Ecology and Evolution Biology	3 hours
BIOL 2401L/3401L	Ecology and Evolution Biology Lab	1 hour
BIOL 3101	Botany	3 hours
BIOL 3101L	Botany Lab	1 hour
BIOL 3201	Cell Biology	3 hours
BIOL 3201L	Cell Biology Lab	1 hour
BIOL 3301	Genetics	3 hours
BIOL 3301L	Genetics Lab	1 hour
BIOL 3321	Microbiology	3 hours
BIOL 3321L	Microbiology Lab	1 hour
BIOL 3801	Animal Physiology	3 hours
BIOL 3801L	Animal Physiology Lab	1 hour
PHYS 111K	Physics I	4 hours

Major Education Courses		**24 hours**
EDUC 3030	Teaching Exceptional Learners	3 hours
EDUC 3200	Curriculum and Assessment	3 hours
BIED 4416	Teaching and Standards in Biology Education	3 hours
BIED 4417	Methods and Strategies for Teaching Secondary School Biology (Must be taken with BIED 4416)	3 hours
EDUC 4475	Clinical Practice (Student Teaching) and Seminar	12 hours
TOTAL		**128**

Program of Study – Civil Engineering Technology (Teacher Certification Track)

Core Curriculum

Areas A, B, C, D, E, and additional requirements		**48 hours**
Area F courses appropriate to the program of study		**17 hours**
CHEM1211	Principles of Chemistry I	3 hours
CHEM 1211L	Principles of Chemistry I Lab	1 hour
MATH 2101	Calculus I (4)	4 hours
MATH 2111	Calculus II (4)	4 hours
ENGT 2101K	Computer Graphics (3)	3 hours
ENGT 2201	Technical Writing (2)	2 hours
Civil Engineering Technology Major Requirements		**24 hours**
CIVT 3101K	Surveying	4 hours
CIVT 3201K	Civil Engineering Materials	3 hours
CIVT 3211K	Construction Est. & Mgmt. OR ENGT 3701 Engineering Economy	3 hours
ENGT 3601	Strength of Materials	3 hours
CIVT 3301K	Fluid Mechanics	4 hours
ENGT 3101	Statics or ENGR 2201 Statics	3 hours
CIVT 3401K	Highway and Transportation Engineering	4 hours

Education Foundation Requirements		**15 hours**
EDUC 2000	Technology in Teaching and Learning	3 hours
EDUC 2103	Educational Psychology	3 hours
EDUC 2110	Investigating Critical and Contemporary Issues in Education	3 hours
EDUC 2120	Socio-cultural Influences in Teaching and Learning	3 hours
EDUC 2130	Exploring Teaching and Learning	3 hours
Education Major Requirements		**27 hours**
EDUC 3030	Teaching Exceptional Learners	3 hours
EDUC 3200	Curriculum and Assessment	3 hours
ETED 3000	Principals of Engineering and Technology Education (Grades P-12)	3 hours
ETED 4416	Teaching and Standards in Engineering and Technology Education	3 hours
ETED 4417	Methods and Strategies for Teaching P-12 Engineering and Technology Education (Must be taken with ETED 4416)	3 hours
EDUC 4475	Clinical Practice (Student Teaching) and Seminar	12 hours
TOTAL		**131**

Program of Study – Electronics Engineering Technology (Teacher Certification Track)

Core Curriculum

Areas A, B, C, D, E, and additional requirements 48 hours

Area F courses appropriate to the program of study		**17 hours**
CHEM1211	Principles of Chemistry I	3 hours
CHEM 1211L	Principles of Chemistry I Lab	1 hour
MATH 2101	Calculus I	4 hours
MATH 2111	Calculus II	4 hours
ENGT 2101K	Computer Graphics	3 hours
ENGT 2201	Technical Writing	2 hours

Education Foundation Requirements		**15 hours**
EDUC 2000	Technology in Teaching and Learning	3 hours
EDUC 2103	Educational Psychology	3 hours
EDUC 2110	Investigating Critical and Contemporary Issues in Education	3 hours
EDUC 2120	Socio-cultural Influences in Teaching and Learning	3 hours
EDUC 2130	Exploring Teaching and Learning	3 hours

Major Requirements		**27 hours**
ELET 3101K	Electrical Circuits I	4 hours
ELET 3201K	Electronics I	4 hours

Major Requirements, continued

ELET 3301K	Digital Systems I	4 hours
ELET 3311K	Digital Systems II	4 hours
ELET 3411K	Microcontroller	4 hours
ELET4621K	Digital Communications	4 hours
ENGT 3701	Engineering Economy	3 hours

Education Major Requirements		**27 hours**
EDUC 3030	Teaching Exceptional Learners	3 hours
EDUC 3200	Curriculum and Assessment	3 hours
ETED 3000	Principles of Engineering and Technology Education	3 hours
ETED 4416	Teaching and Standards in Engineering and Technology Education	3 hours
ETED 4417	Methods and Strategies for Teaching P-12 Engineering and Technology Education (Must be taken with ETED 4416)	3 hours
EDUC 4475	Clinical Practice (Student Teaching) and Seminar	12 hours
Total		**134**

Program of Study –Engineering and Technology Education, Bachelor of Science in Education

Core Curriculum

Areas A, B, C, D, E, & additional requirements		**48 hours**
Area F courses appropriate to the program of study		**18 hours**
Education Foundation Requirements		
EDUC 2000	Technology in Teaching and Learning	3 hours
EDUC 2103	Educational Psychology	3 hours
EDUC 2110	Investigating Critical and Contemporary Issues in Education	3 hours
EDUC 2120	Socio-cultural Influences in Teaching and Learning	3 hours
EDUC 2130	Exploring Teaching and Learning	3 hours
ETED 2201	Literacy and Technical Writing in Engineering and Technology Education	3 hours

Major Requirements		**30 hours**
MATH 2101	Calculus I	4 hours
MATH 2111	Calculus II	4 hours
CIVT 3201K	Civil Engineering Materials	3 hours
CIVT 3211	Construction Est & Management or ENGT 3701 Engineering Economy	3 hours
CSCI 1301	Computer Science I	3 hours
ELET 3101K	Electrical Circuit I	3 hours
ENGT 2101K	Computer Graphics (3)	3 hours
ETED 3211	Connections in P-12 Engineering by Design	4 hours
ETED 3301	Hydraulic and Pneumatic Systems in Technology Education	3 hours
Education Major Requirements		**30 hours**
EDUC 3030	Teaching Exceptional Learners	3 hours
EDUC 3200	Curriculum and Assessment	3 hours
ETED 2500	Introduction to Engineering and Technology Education	3 hours
		3 hours
ETED 3000	Principals of Engineering and Technology Education (Grades P-12)	3 hours
ETED 4416	Teaching and Standards in Engineering and Technology Education	
ETED 4417	Methods and Strategies for Teaching P-12 Engineering and Technology Education (Must be taken with ETED 4416)	3 hours
EDUC 4475	Clinical Practice (Student Teaching) and Seminar	12 hours
TOTAL		**126**

Program of Study – Mathematics (Certification Track)

Core Curriculum

Areas A, B, C, D, E, and additional requirements		**48 hours**
Note: Students who plan to attend graduate school should take MATH 4111, 4211, 4221, and 4501		
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 hour
CSCI/CISM 1130	Computer Science 1	3 hours
Choose one (1) of the following:		
MATH 2201	Elementary Statistics	3 hours
MATH 2301	Discrete Mathematics	3 hours
Education Foundation Courses		**15 hours**
EDUC 2000	Technology in Teaching and Learning	3 hours
EDUC 2103	Educational Psychology	3 hours
EDUC 2110	Investigating Critical and Contemporary Issues in Education	3 hours
EDUC 2120	Socio-cultural Influences in Teaching and Learning	3 hours
EDUC 2130	Exploring Teaching and Learning	3 hours

Major Requirements		**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
Secondary Education Cognate Area		**12 hours**
MATH 3401	Modern Geometry	3 hours
(Choose three)		
MATH 3301	Differential Equations	4 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	Intro to Topology	3 hours
MATH 4701	History of Math	3 hours
MATH 4901	Senior Seminar	3 hours

Major Education Courses		**24 hours**
EDUC 3030	Teaching Exceptional Learners	3 hours
EDUC 3200	Curriculum and Assessment	3 hours
MAED 4416	Teaching and Standards in Mathematics Education (Grades 6-12)	3 hours
MAED 4417	Methods and Strategies for Teaching Secondary School Mathematics (Must be taken with MAED 4416)	3 hours
EDUC 4475	Clinical Practice (Student Teaching) and Seminar	12 hours
TOTAL		**132 hours**

Program of Study – Mathematics, Bachelor of Science in Education

Core Curriculum

Areas A, B, C, D, E, and additional requirements		**48 hours**

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

Area F courses appropriate to the program of study		**18 hours**
EDUC 2000	Technology in Teaching and Learning	3 hours
EDUC 2103	Educational Psychology	3 hours
EDUC 2110	Investigating Critical and Contemporary Issues in Education	3 hours
EDUC 2120	Socio-cultural Influences in Teaching and Learning	3 hours
EDUC 2130	Exploring Teaching and Learning	3 hours
MAED 2201	Mathematics Literacy for Diverse Classroom	3 hours

Major Requirements		**33 hours**
Math 2101	Calculus I	4 hours
MATH 2111	Calculus II	4 hours
MATH 2121	Calculus III	4 hours
MATH 3101	Linear Algebra	3 hours
MATH 3201	Probability and Statistics I	3 hours
MATH 3211	Foundation of Higher Math	3 hours
MATH 3401	Modern Geometry	3 hours
MATH 4101	Abstract Algebra I	3 hours
MATH 4201	Analysis I	3 hours
Choose one	MATH 4311, 4211, 4111	3 hours

Major Education Courses		**27 hours**
EDUC 3030	Teaching Exceptional Learners	3 hours
EDUC 3200	Curriculum and Assessment	3 hours
MAED 3001	Qualitative and Quantitative Research Methods In Mathematics Education	3 hours
MAED 4416	Teaching and Standards in Mathematics Education (Grades 6-12)	3 hours
MAED 4417	Methods and Strategies for Teaching Secondary School Mathematics (Must be taken with MAED 4416)	3 hours
EDUC 4475	Clinical Practice (Student Teaching) and Seminar	12 hours
TOTAL		**126 hours**

Description of Courses

Course Numbering System

In the College of Sciences and Technology course listings appear with three numbers in parentheses after some course descriptions. For example (3 – 1 – 3). The first number indicates the number of lecture hours, the second number indicates the number of laboratory hours, and the third number indicates the number of semester credit hours carried by the course. The letter V represents a variable number of credit hours.

Courses numbered	Description
0000 – 0199	Carry institutional credit only and may not be counted towards a degree program
1000 – 1999	Freshmen level courses
2000 – 2999	Sophomore level courses
3000 – 3999	Junior level courses
4000 – 4999	Senior level courses
5000 – 5999	Graduate level courses open to graduate and undergraduate students
6000 – 8999	Graduate level courses open to graduate students and not undergraduate students

Course Lettering System

Four capital letters followed by four numbers are used to designate individual courses. Following is a list of the abbreviations used, as well as page numbers of courses in specific subject areas.

College of Business Administration

Abbreviation	Course	Page
ACCT	Accounting	116
BUSA	Business Administration	117
CISM	Computer Information Systems	119
ECON	Economics	120
FINC	Finance	120
GLIB	Global Logistics & International Business	122
MGNT	Management	123
MKTG	Marketing	125

College of Liberal Arts & Social Sciences

Abbreviation	Course	Page
AFRS	Africana Studies	126
ANTH	Anthropology	128
ARAB	Arabic	141
ARTH	Art History	128
ARTS	Art	128
BEHV	Behavior Analysis	131
CHIN	Chinese	141
CLAS	Freshman Year Experience	126
COMM	Mass Communications	150
CRJU	Criminal Justice	133

College of Liberal Arts & Social Sciences, continued

Abbreviation	Course	Page
DNCE	Dance	135
ENGL	English	136
FINE	Fine Arts	140
FREN	French	142
GEOG	Geography	144
GRNY	Gerontology	144
HEDU	Health Education	145
HIST	History	146
HSEM	Homeland Security & Emergency Management	148
HUMN	Humanities	150
MUSC	Music	154
POLS	Political Science	159
PSYC	Psychology	162
RPHS	Religious & Philosophical Studies	163
SOWK	Social Work	164
SOCI	Sociology	167
SPAN	Spanish	143
SPEH	Speech	169
THEA	Theatre	170

College of Sciences and Technology

College of Sciences and Technology, continued

College of Business Administration

Freshman Year Experience

BUSA 1103 **Freshman Year Experience** **2 Credits**
This course is designed to assist students in the academic and social transitions associated with college life. The development of specific success skills such as financial literacy, time management, note-taking and study strategies, critical thinking, effective communication, and career and academic guidance activities will be included in this class.

Accounting

ACCT 2101 **Principles of Financial Accounting** **3 Credits**
A study of the underlying theory and application of financial accounting concepts.
Prerequisite: MATH 1111

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 the 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.
Prerequisite: ACCT 2102; Junior standing or 42 hour rule

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

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; Junior standing or 42 hour rule

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; Junior standing or 42 hour rule

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

ACCT 4111 Intermediate Financial Accounting III 3 Credits
A continuation of Intermediate Financial Accounting II, new topics include revenue recognition, accounting changes and errors, accounting for income taxes, pensions and other post-retirement benefits, leases, cash flow statement.
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; Junior standing or 42 hour rule

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

ACCT 4119 Internal Auditing 3 Credits
Introduction to the theory and practice of internal auditing, an independent appraisal activity within firms. Topics covered include internal auditing standards, ethics, fraud, internal controls, risk assessment, evidence, documentation (Including use of computer-assisted auditing techniques), and reporting practices.
Prerequisite: ACCT 3112

Business Administration

BUSA 1101 Leadership & Professional Development I 1 Credit
This seminar is required of all undergraduate business students and should typically be taken during the freshman year. This first course serves as a prerequisite for the following course in the series. The courses are designed to help students identify, appreciate and capitalize on natural strengths that will enable them to communicate, learn, and think more effectively. Students will be able to make critical decisions more efficiently and set realistic goals for success in college and the world of work.
Prerequisites: None

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, ENGL 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.
Prerequisites: None

BUSA 2182 Introduction to Business Statistics 3 Credits
An introduction to the methods of scientific inquiry and statistical inference. Subjects covered are sampling, parameter estimating, hypothesis testing, and 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.
Prerequisite: MATH 1113

BUSA 2185 Business Research 2 Credits

This course provides an introduction to research, including its theoretical foundation and fundamental protocols. Students learn about research methodologies, the cyclical nature of applied research, and the iterative process of research writing. The course teaches students how to write a research proposal, it equips students to engage in independent research, and it assists students in cultivating a mentor-mentee relationship with a faculty advisor. The curriculum is sequential, helping students to identify a study topic, propose hypotheses, formulate research questions, conduct and synthesize a literature review, and select research designs and methodologies. Students also learn about other sections that convert a proposal into a full research paper: findings, discussion, conclusions, and references.
Prerequisite: BUSA 2182

BUSA 3000 Personal Finance 3 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.
Prerequisites: MATH 1111, CISM 1130 or CSCI 1130, and ENGL 1102; Junior standing or 42 hour rule

BUSA 3145 Global Business Issues 3 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.
Prerequisite: Junior standing or 42 hour rule

BUSA 4126 Business Policy 3 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: ACCT 2101, ACCT 2102, BUSA 2105, BUSA 2106, ECON 2105, ECON 2106, MATH 1113, BUSA 2182, FINC 3155, MGNT 3165 and MKTG 3175 (Other Area G courses must be completed prior to enrollment unless it is student's graduating semester); Senior standing;

BUSA 4229 Administrative Practice & Internship 3 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 cannot receive credit for both BUSA 4229 and CISM 4900). **(Grading: Pass/Fail)**
Prerequisite: MGNT 3165, minimum 2.8 overall GPA, the completion of seventy-five (75) semester hours, and approval of the Office of the Dean of COBA

BUSA 4999 Study Abroad 3 Credits

The SSU study abroad program takes place during the summer semester for a period of about four (4) weeks. Participants take courses in the history and culture of partnering countries (currently Brazil, the Caribbean, China, Ghana, and India) as well as in other areas of the academic curriculum. A typical course load consists of six (6) credit hours or two courses. COBA students will enhance their knowledge of other cultures through a three-hour history/culture courses, and will take the remaining three hours in a study abroad course in one of the business disciplines: accounting, management, marketing, or computer information systems. Through the study abroad program students can develop an in-depth appreciation of what it means to live and work in other cultures.
Prerequisite: Permission of COBA Dean

Computer Information Systems

CISM 1130 Introduction to Computer 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 student use Internet, MS OFFICE applications using word processing, spread sheets, and HTML language to create homepages.
Prerequisites: None

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 2140 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 2130*

CISM 3137 System Analysis & 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 2130; Junior standing or 42 hour rule

CISM 3232 Web Application Development 3 Credits

This course is an introduction to developing Web application. As such, this course is designed to provide basic concepts (e.g., client-server computing) and technologies. This course also introduces students to the languages and Web developing software used to create web pages.
Prerequisite: CISM 2130; Junior standing or 42-hour rule

CISM 3325 Data Communication & Computer Networks 3 Credits

This course provides an introduction to the principles and techniques of data communications and computer networks. The course covers the topics of transmission media and modes, communication protocols, and network architecture. It will also cover the day to day administrative tasks necessary to maintain a business computer network. Creating user and group accounts, profiles, access permissions, resource auditing, backup, recovery and network printers will also be covered.
Prerequisite: CISM 2130; Junior standing or 42 hour rule

CISM 4137 Database Design & 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 2130; Junior standing or 42-hour rule

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.
Prerequisites: CISM 2130; Junior standing or 42-hour rule

CISM 4150 Network Administration 3 Credits

This 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.
Prerequisites: CISM 3325

CISM 4200 Project Management 3 Credits
This course is designed to help students learn technologies and methodology to initiate, plan, monitor and execute projects. Students will learn and exercise to develop a comprehensive project plan, including tasks with time, cost, and quality measures throughout the course. Project management tools will be employed by the team to ensure tracking of the project and communication of project goals and accomplishments to the client. Students will learn from real-world cases and work on a number of software, including but not limited to, Microsoft products and Visio.
Prerequisites: CISM 2140 and CISM 3137

CISM 4900 Occupational Internship 3 Credits
This course is expected to serve as a supplemental source of learning and 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 cannot receive credit for both BUSA 4229 and CISM 4900).**
Prerequisite: CISM 2130 and Instructors permission; Junior standing or 42 hour rule

Economics

ECON 2105 Principles of Macro-Economics 3 Credits
An introduction to concepts that enable students to understand and analyze economics aggregates and evaluate economic policies.
Prerequisite: MATH 1111 or equivalent

ECON 2106 Principles of Micro-Economics 3 Credits
An introduction to concepts that enable students to understand and analyze the structure and performance of the market economy.
Prerequisite: MATH 1111 or equivalent

Finance

FINC 3155 Business Finance 3 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: ECON 2105, ECON 2106, ACCT 2101, ACCT 2102 and BUSA 2182; Junior standing or 42 hour rule

FINC 3156 Intermediate Corporate Management I 3 Credits
The study of asset pricing, capital budgeting, capital management, growth through mergers, and leasing. Emphasis is on the development of problem-solving capabilities.
Prerequisite: FINC 3155

FINC 3157 Investments 3 Credits
Framework of financial markets, valuation of the firm, security analysis, investment equity versus debt, efficiency of market evaluation, diversification efforts, investment goals, and portfolio selection.

Prerequisite: FINC 3155

FINC 3159 Principles of Real Estate 3 Credits
This course will provide an introduction to the basic principles of real estate. Topics covered include, but are not limited to, concepts of ownership, forms of real estate ownership, advantages and disadvantages of real estate financing, fair housing and ethical practices, and the federal and state laws governing the ownership and its transfer.
Prerequisites: FINC 3155

FINC 3160 International Finance 3 Credits
International Finance is a study of the major markets of international finance with focus on corporate financial planning and decision making in a multinational environment. Topics covered include measurement and management of exchange rate risk, financing international trade, short- and long-term asset and liability management, direct foreign investment, cost of capital, capital structure, and country risk analysis.
Prerequisite: FINC 3155

FINC 4155 Intermediate Corporate Management II 3 Credits
Application of financial management tools, examination and interpretation of financial statements and integration of financial policy and structure on overall management of the enterprise.
Prerequisite: FINC 3156

FINC 4156 Capital Markets and Institutions 3 Credits
Course coverage includes an analysis of financial markets & institutions; regulation, money market operation, global impact of central banking principles and monetary policy, and determinates of interest rates with financial asset pricing. *Prerequisite: FINC 3155*

FINC 4159 Financial Statement Analysis 3 Credits
This course is designed to prepare students to interpret and analyze financial statements effectively. This course explores in greater depth financial reporting topics introduced in the core course in financial accounting an also examines additional topics not covered in that course. The viewpoint is that of the user of financial statements. This course is designed primarily for students who expect to be intensive users of financial statements as part of their professional responsibilities.
Prerequisite: FINC 4155

Global Logistics and International Business

GLIB 2109 Business Strategies for Emerging Markets 3 Credits
This course is tailored to students pursuing an international career in economic development, international business, or entrepreneurship in developing regions, including social ventures. The course draws on economic development theory, business cases, and project evaluation techniques (market analysis, finance) to provide a holistic view of the role of business and technology in sustainable economic development. The course will discuss pertinent business cases from developing countries (in Latin America, Africa, and Asia) to illustrate key concepts, utilizing examples from diverse economic sectors such as telecommunications, renewable energy, information technology, and agriculture.
Prerequisites: None

GLIB 3190 Global Supply Chain Management 3 Credits
This course introduces students to key concepts in supply chain management, with a global focus and develops an understanding of the strategic importance of strategic sourcing in improving a firm's competitive position. Challenges in managing the global relationships among businesses involved in the process of international buying and selling products and services are explored. Case Studies with global emphasis will be studied.
Prerequisites: MGNT 3165

GLIB 3195 Global Operations Management 3 Credits
Every organization has several functional areas (marketing, operations, finance, human resources, etc.) and different members (suppliers,

manufacturers, buyers, sellers, etc.). This course focuses on how to make a decision when most of its members are global, and how does it affect several functional areas, how can a systems perspective help under this situation. This course will help in understanding those key dimensions, and how global operations differ from local operations. The course will primarily look at three aspects: i) global operations and logistics strategy; ii) global operations and logistics planning; iii) effective management of global operations and logistics. The course will also cover several case studies related to each of these aspects.
Prerequisites: MGNT 3165

GLIB 3197 Global Business Logistics 3 Credits
Logistics Management – that part of supply chain management that plans, implements, and controls the efficient, effective forward and reverse flow and storage of goods, services, and related information between the point of origin and the point of consumption in order to meet customers' requirements. This senior level course focuses on Global Alliances and Global Business Logistics Management. Topics include supply chain and alliance strategy in multinational firms, materials management, international sourcing and distribution, importing and exporting procedures, international carrier management and operations. This course is designed to help prepare the logistics professional for a career in international logistics.
Prerequisites: MGNT 3165

GLIB 4190 International Transportation and Carrier Management 3 Credits
With the increasing emphasis on efficient supply chains and more sophisticated logistics management techniques, the basic component of transport is moving a product or providing a service from one place to another has come under increasing economic pressure and increasing deregulation. The businesses today cannot be competitive without a good transportation and logistics network. The goal of this course is to understand the basic modes of transportation, the economic fundamentals underlying each and some of the ways in which today's supply chain manager can use them to achieve efficiencies and cost effectiveness necessary for a company to survive in today's global markets. *Prerequisites: MGNT 3165*

GLIB 4192 International Strategic Management 3 Credits
The course will examine the firm's environments – especially the international environment using the tools of analysis such as *5 Forces* and the value chain. It will also examine the firm's corporate and business strategies. Finally, *The Curse* will specifically examine the firm's international strategies, the nature and form of international business arrangements, to determine if they fit within the firm's overall global strategic position. The course serves to integrate and synthesize knowledge acquired in the functional disciplines in a business school by application of acquired functional skills to corporate and business strategic analysis.
Prerequisites: MGNT 3165, and MKTG 3175

GLIB 4194 International Trade: Theory and Policy 3 Credits
This course is to introduce the main concepts relating to the international trading system and its institutions, and to review both traditional perspectives and important recent developments in international trade theory. Emphasis is placed on using theory to interpret observed trade patterns and to analyze the motivations behind existing trade policies and institutions. In particular, the welfare gains from trade, what accounts for observed patterns of trade, and who are the winners and losers from various trade policies. Special attention is also given to protectionist trade policies and the political economy of protection, as well as the merits and drawbacks of bilateral trade negotiations.
Prerequisites: MGNT 3165, and MKTG 3175

Management

MGNT 3165 Management of Organizations 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: Junior standing or 42 hour rule

MGNT 3185 Operations Management 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: BUSA 2182 and MGNT 3165

MGNT 3196 Entrepreneurship and Small Business Management 3 Credits
Entrepreneurship and Small Business Management is a course focused on the entrepreneurial process as it pertains to the management of large enterprises or the 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 the business plan, risk management, and staffing decisions.
Prerequisite: MGNT 3165

MGNT 3300 Organizational Behavior & Theory 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 4110 Leadership in Organizations 3 Credits
This course will provide both a theoretical and practical review of leadership within organizations. Students will be exposed to basic leadership theory and research while also being given real-world examples through cases and interaction with practitioners. Students will also be asked to apply these theories through in-class activities and projects. This course will provide students with an understanding of leadership theory and will develop their leadership skills in decision-making, communicating, conflict management, motivation, and leading teams.
Prerequisite: MGNT 3165

MGNT 4165 Human Resource Management 3 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

MGNT 4168 International Business Management 3 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 4170 Staffing, Training, and Development 3 Credits
This course will examine human resources planning, recruiting, and selection followed by a detailed investigation of training needs analysis, developing training programs, evaluation of training, and implementing personnel development programs.
Prerequisites: MGNT 4165

MGNT 4204 Creativity and Entrepreneurship 3 Credits

This course will provide both a theoretical and practical review of the creative and innovative processes within organizations and how ideas are translated into novel products and processes. The content will take a multilevel perspective such that we will discuss the creative process of individuals, how creativity and innovation occur within teams, and the implementation of innovative ideas at the organizational level.
Prerequisite: MGNT 3165

MGNT 4221 Social Entrepreneurship 3 Credits
This course introduces students to the field of social entrepreneurship and the best practices of starting and growing successful mission-driven ventures. This field is rapidly garnering attention around the world from entrepreneurs, investors, philanthropists, foundations, and consulting firms. Social ventures aim to achieve a "double bottom line" with meaningful social returns, as well as sustainable or competitive financial returns – through their products, services and other business practices. This course will guide students in developing entrepreneurial solutions to educations, healthcare, environment, workforce development, international development and other large societal issues.
Prerequisite: MGNT 3165

MGNT 4231 Family Business Management 3 Credits
This course explores the unique challenges and opportunities involved in owning and/or managing a family business. By attending the class, students learn to identify and address challenges related to responsible ownership, succession, corporate governance, and family governance. Both family and non-family members' perspectives are explored and addressed.
Prerequisite: MGNT 3165

MGNT 4800 Contemporary Topics in Management 3 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 3165

Marketing

MKTG 3175 Principles of Marketing 3 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: Junior standing or 42 hour rule

MKTG 3176 Professional Selling 3 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

MKTG 3178 Consumer Behavior 3 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

MKTG 3179 Global Electronic Business 3 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.
Prerequisites: MKTG 3175 and CISM 2130

MKTG 3186 Sales Management 3 Credits
This course studies the planning, organizing, staffing, directing and controlling of sales force activities. The course emphasizes sales territory design, staff leadership, sales coaching and motivation, and cost analysis.
Prerequisite: MKTG 3175

MKTG 4116 Marketing Research 3 Credits
A course that examines the scientific method as applied to marketing 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 compute for word processing and statistical analysis (SPSS & LISREL).
Prerequisites: BUSA 2182 and MKTG 3175

MKTG 4175 Advertising & Promotion 3 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 Marketing 3 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 4185 Marketing Management 3 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

Freshman Year Experience

CLAS 1103 Freshman Year Experience 2 Credits
This course is designed to assist students in the academic and social transitions associated with college life. The development of specific success skills such as financial literacy, time management, note-taking and study strategies, critical thinking, effective communication, and career and academic guidance activities will be included in this class.

COMM 1000 Mass Communications Colloquium 2 Credits

This course is for entering freshmen. The one hour a week course will provide the students with similar content to the course in Freshman Experience. The course will also provide the faculty in the mass communications department opportunities to engage majors at an earlier time in their matriculation and provide guidance to freshman majors on curriculum and concentration areas.

Africana Studies

AFRS 1501 Survey of the African American Experience 2 Credits

A survey and understanding of the cultural, economic, political, psychological and social development of African Americans and an analysis of their contemporary status.

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 3000 Africana Political Ideology & 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.

AFRS 3102 The African & 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. *Prerequisites: AFRS 2000 or AFRS 1501*

AFRS/POLS 3141 African Government & Politics 3 Credits

An introductory survey of political patterns, political processes, and political ideologies in Africa; an examination of the legacy of colonialism and the processes of modernization, and development: problems of political instability.

AFRS 3211 Religion & 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 3212 African-American Oral Literature 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. *Prerequisite: ENGL 1102*

AFRS 3213 African Literature (Also ENGL 3213) 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, Armab, Okri, Ngugi, Senghor, Beti, Oyono, Fagunwa, and Salih. *Prerequisite: ENGL 1102*

AFRS 3216 African-American Poetry (Also ENGL 3216) 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. *Prerequisite: ENGL 1102*

AFRS 3218 African-Caribbean Literature (Also ENGL 3218) 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, Cesaire, and Guillen.

AFRS 3501 Survey of African Cultures & Societies 3 Credits
A survey of the cultural patterns and institutions foundations and structure of selected African societies that presents and examines both traditional and contemporary aspects of the African culture as well as examining the impact of culture on the various areas of societal, institutional, and national development will be discussed as well.

AFRS 4211 African American Drama (Also ENGL 4211) 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, Amira Baraka, Ntozake Shange, and August Wilson.

AFRS 4217 African American Fiction (Also ENGL 4217) 3 Credits
A critical survey focusing on leading themes and techniques in the short stories and novels of such authors as Charles Chestnut, Zora Neale Hurston, Richard Wright, Ralph Ellison, James Baldwin, Toni Morrison, Ishmeal Reed, Alice Walker and Gloria Naylor.

AFRS 4218 African-American Nonfiction (Also ENGL 4218) 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. *Prerequisite: ENGL 1102*

AFRS 4501 African Americans, Africa, & Pan-Africanism 3 Credits
An interdisciplinary examination of the concept of Pan Africanism as a realistic, authentic, effective and multidimensional mechanism by which people of African descent in the United States have related historically and culturally to the African dimension of their identity. The course employs methods germane to the disciplines of History, Sociology, Political Science and Anthropology. *Prerequisite: AFRS 1501*

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*

AFRS 4602 Special Topics 3 Credits
An in depth examination and analysis of an issue or issues of particular significance to the historical, cultural, intellectual or social development or contemporary predicament of Africans or African Americans. *Prerequisite: Permission of the instructor*

Anthropology

ANTH 1101 Introduction to Anthropology 3 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 History

ARTH 3601 **African American Art** **3 Credits**
Study of African-American Art of the eighteenth, nineteenth, and twentieth century.

ARTH 4600 **African Art** **3 Credits**
This course reviews the history of African Art from 10,000 B.C. through the twentieth century. The course includes the role of art in Africa, its culture and the people who produce the art and use it. Particular interest will be given to art and culture of West Africa.

ARTH 4602 **Art History I** **3 Credits**
This course will introduce students to the arts of the ancients through the 1600's. Students study great moments, the cultural background, and the persistent themes of western art through slides lectures, reading, and assigned exercises and discussion. Students will learn how archeologists and art museums work and the ways in which they teach us to understand the past.

ARTH 4603 **Art History II** **3 Credits**
This course is a continuation of ARTS 4602: Art History I, and covers from 1700 through today. Students study the great monuments, the cultural background, and the persistent themes of western art through slide lectures, readings, and assigned exercises and discussion.

ARTH 4604 **Contemporary Art** **3 Credits**
This course will study recent literature in American Art/ Visual Culture and related social and cultural history from 1880 to present day. The course will address works in historical, institutional, and methodological contexts. As a case study rather than a survey seminar, there are several overlapping themes: tradition and realism, versus abstract modernism in representation, and as social issues of gender, class, domesticity, labor, and consumer culture.

Art

ARTS 1101 **Introduction to Art 2012-2013** **3 Credits**
Introduction to Art is a lecture course with some opportunity for studio experiences and web enhanced assignments. The course explores the basic elements and principles of two and three-dimensional art. The study of various materials and techniques used in the graphic and plastic arts is included. Students will develop skills in translating art concepts into art products and study artists who created major styles and art movements. Individual field trips to city and state galleries and museums are anticipated. The works of contemporary African-American artists arehighlighted.

ARTS 1010 **Drawing I** **3 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 1011 **Drawing II** **3 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. *Prerequisite: ARTS 1010*

ARTS 1030 3D Design 3 Credits

Three-dimensional design is a course designed to develop a fundamental understanding of a variety of techniques, processes, and styles used in traditional and contemporary approaches in sculpture. With special consideration to spatial concepts, students will utilize the elements and principles of art to create three-dimensional objects. As well as practical application of techniques, each student will learn to critically write and speak about their own work and the work of other artists. Throughout this course students will be challenged to become sensitive to formal and conceptual concerns in art, while investigating the technical aspects of three-dimensional media.

ARTS 1060 Color/Composition 3 Credits

Designed for students to study and explore the basic elements, principles, materials and techniques of two-dimensional visual art. The course also includes explorations and discussion of color and color theory. The course allows students to study the critical components of two-dimensional design and the role of color within a composition.

ARTS 2800 New Media Design 3 Credits

Provides experiences in significant design media. Through the exploration of various digital media applications students will learn to navigate vast digital environments in order to isolate the tools needed to solve design dilemmas.

ARTS 3012 Life Studio 3 Credits

This course studies drawing and painting of the human figure form. The course will study advanced problems in drawing and composition of the human figure. Following initial review, the student may choose an individual medium of study with the approval of the instructor. *Prerequisites: ARTS 1010, 1011*

ARTS 3101 Painting I 3 Credits

Painting media and techniques of oil, acrylic, or watercolor. *Prerequisite: ARTS 1010*

ARTS 3122 Painting II 3 Credits

A continuation of Painting I with an emphasis on development of individual expression, problem solving and style in composition: figure, landscape, portrait and still life. Painting II is an exploration of content issues in art. Students will be expected to work consistently and independently each week. Class sessions will provide individual and class critiques, painting demonstrations, museum visits, and lectures on artists and painting concepts. An observational approach will utilize the human figure, still-life, and landscape, however, different directions in both form and content will be discussed, and can be explored in many of the projects. *Prerequisite: ARTS 3101*

ARTS 3201 Photography I 3 Credits

An introduction to photographic processes through a combination of lectures, demonstrations, assignments and critiques, with an emphasis on creative use of camera controls, exposure and digital imaging software. Students learn to see photographically through an exploration of the basic tools, techniques and aesthetics of traditional and digital photography, and an awareness of the African American contribution to photography.

ARTS 3211 Photography II 3 Credits

Building on the foundations of Photography I, students are challenged to build their vocabulary of photography through a combination of lectures, demonstrations, assignments, and critiques, with an emphasis on creative use of camera controls, exposure digital imaging software and hybrid techniques. Students have the opportunity to pursue more individual concerns in tandem with class directed assignments. In conjunction with increased technical proficiency, students will expand critical awareness through the investigation of conceptual, historical and contemporary art issues, ultimately increasing professionalism and the development of a personal aesthetic. *Prerequisite: ARTS 3201 or permission from instructor with portfolio samples*

ARTS 3212 Forensic Photography 3 Credits

This course will examine the techniques, methods, and ethical issues of photographic applications in forensic science, focusing on practical investigative applications as well as historic photography analysis and documentation. Students will gain experience through hands-on studio/lab and field assignments. Prosumer SLR camera and flash system required. *Prerequisite: ARTS 3201*

ARTS 3301 Printmaking I 3 Credits

An introduction to printmaking processes and equipment with equal emphasis on concept and technique. No prior printmaking experience required. This course provides the opportunity to explore various forms of print media for those who are interested in gaining a basic understanding of printmaking. Demonstrated methods include various approaches in each media.

ARTS 3311 Printmaking II 3 Credits

Continuation of printmaking processes and equipment covered in Printmaking I with equal emphasis on concept and technique. This course provides the opportunity for students to enhance their proficiency of print processes, and a further investigation of the Southern African American Printmaker. Demonstrated methods include various approaches in each media. Course will be limited to 15 students. *Prerequisite: ARTS 3301*

ARTS 3401 Sculpture I 3 Credits

Comprehensive course designed to develop a basic understanding of a variety of techniques, processes, and styles in sculpture. Each student will be challenged to become sensitive to formal and conceptual concerns in sculpture, while investigating the technical aspects of art. In conjunction with various techniques, students will utilize formal and conceptual concerns found in art to gain practical experience in producing work. As well as the hands on exploration of the medium, each student will learn to critically write and speak about their work and the work of other artists. Demonstrated methods include basic carving, molds making, casting, and welding.

ARTS 3411 Sculpture II 3 Credits

Building on the foundation of Sculpture I, students are challenged to expand their vocabulary of sculptural form and concept. Intermediate sculpture encourages the student to develop a personal direction in tandem with class directed assignments which have an emphasis on expanding technical and conceptual possibilities. In conjunction with increased technical proficiency, students will expand critical awareness through the investigations of conceptual, historical and contemporary art issues, ultimately increasing professionalism and the development of a personal aesthetic. *Prerequisite: ARTS 3401*

ARTS 3601 Illustration I 3 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 3611 Illustration II 3 Credits

Continuation of concepts and techniques covered in ARTS 3611. Students will continue to explore various materials and techniques used in illustration, with an emphasis on development of a personal artistic style. Students will have the opportunity to create illustrations for multiple purposes, including projects that focus on illustration as a storytelling, educational and emotional medium. *Prerequisite: ARTS 3601*

ARTS 3701 Ceramics I 3 Credits

A comprehensive course designed to develop a basic understanding of a variety of techniques and processes in clay. Each student will be challenged to become sensitive to the inherent qualities of clay, become proficient in glazing techniques and will be exposed to firing processes. In conjunction with these various techniques, student will utilize formal and conceptual concerns found in art to gain practical experience in producing work. As well as the hands on exploration of the medium, each student will learn to critically write and speak about their work and the work of other artists. No prior ceramics experience is required. Demonstrated methods include basic throwing, various hand building techniques, kiln firing, and glaze application.

ARTS 3711 Ceramics II 3 Credits

Building on the foundation of Introduction to Ceramics, students are challenged to expand their vocabulary of ceramic form and texture. Hand building and wheel throwing techniques will be explored for both vessel and sculptural work. Technical understanding of surface treatments, firing techniques, glaze formulation and ceramic processes are emphasized as tolls used toward formal and conceptual success. Students have the opportunity to pursue more individual concerns in tandem with class directed assignments. In conjunction with increased technical proficiency, students will expand critical awareness through the investigation of conceptual, historical and contemporary art issues, ultimately increasing professionalism and the development of a personal aesthetic. *Prerequisite: ARTS 3701*

ARTS 4900 Issues in Studio Art 3 Credits

This course will address fundamental, theoretical, and practical questions that result from one's participation in the arts. Participants will examine their own views and others' aesthetic values as a means of understanding the arts through a multicultural and cross-cultural perspective. Students will also investigate the issues that affect arts organizations within the immediate community and issues relating to current, national and international events in which human values are materialized in art. Emphasis will be placed on field trips to local art institutions and participation at events as well as thinking and writing critically about the arts. *Prerequisite: ARTH 4603*

Behavior Analysis

BEHV 1101 Introduction to Behavior Analysis: Professions 3 Credits

This course provides an overview of careers in Behavior Analysis and psychology. The content includes ethical considerations for those conducting research or in applied practice. Additionally, content covers system support available for those practicing in the field, such as competency-based training, performance monitoring, and procedural integrity.

BEHV 2101 History of Behavior Analysis 3 Credits

This course is a study of the work of those psychologists who have made the most significant contributions to the development of behavior analysis with emphasis on the various systems of psychology, research and experimentation.

BEHV 2103 Behavior Statistics 3 Credits

A practical focus on the context of statistics in behavioral research, with an emphasis on looking at data before jumping into a test. This course provides students with an understanding of the logic behind the statistics: why and how certain statistical methods are used rather than just doing techniques by rote. Students move beyond number crunching to discover the meaning of statistical results and how they relate to the research questions being asked. Students will engage with real data and research studies as a base and move through analyses of data. BEHV 1101, and MATH 1101 or MATH 1111

BEHV 3000 Basic Concepts in Behavior Analysis 3 Credits

This course is designed to provide the basic characteristics, concepts, and principles of Behavior Analysis. This course will offer explanation of operant contingencies and include reinforcement, punishment, antecedent control, and behavior consequences. The course includes initial exposure to measurement of behavior and display and interpretation of behavior data. Also included are the seminal works of the founders of Behavior Analysis. *Prerequisites: BEHV 1101, PSYC 1101*

BEHV 3101 Descriptive Analysis 3 Credits

An examination of the processes of gathering, reporting, interpreting and making use of research data from non-experimental studies, ethnography study, phenomenological studies and field studies, etc., as well as the process of checking the trustworthiness of data by triangulation. The emphasis in the course is on non-experimental qualitative methods appropriate to Behavior Analysis and psychology.

BEHV 3103 Measurement in Behavior Analysis 3 Credits

This course provides techniques for measurement of behavior, displaying and interpreting behavioral data, and experimental evaluation of interventions. Specifically the course includes selecting and defining target behaviors, examination of single-subject experimental designs, and planning and evaluating behavior analysis research. Also included are reviews of recent literature to support course content. *Prerequisite: BEHV 3000*

BEHV 3104 Behavior Change in Behavior Analysis 3 Credits

This course is designed to teach the methods for behavioral assessment, selecting intervention outcomes, and behavior change procedures. Specifically, course content includes functional analyses, environmental factors in interventions, and behavior change techniques such as the Premack principle, differential reinforcement, schedules of reinforcement, and shaping. Also included are reviews of recent literature to support course content. *Prerequisite: BEHV 3103*

BEHV 3105 Learning and Motivation 3 Credits

The primary focus of the course is on basic processes in learning and motivation. Emphases will be on theoretical and experimental analyses of behavior, the practical applications of the theoretical perspectives, and behavioral psychology. *Prerequisites: PSYC 1101, BEHV 1101 and3000*

BEHV 3106 Neuroscience 3 Credits

This course will treat the mind as a) a function of the nervous system and b) a product of evolution. The first half of the course will introduce the basics of neuroscience. The second half of the course will examine the neural basis and evolutionary background of cognition, learning, and memory. Lastly, we will discuss the biological basis of society and language.

BEHV 3112 Experimental Analysis 3 Credits

The course provides insight into the methodologies used to understand and change behavior by Behavior Analysts and psychologists. In this course the student has hands-on experience in direct observation, measurement, operational definitions of behaviors with provision of ethical considerations. Special emphasis will be placed on direct student-oriented experience with the research methodologies and statistical applications used to support or refute the initial hypothesis of the study. *Prerequisites: BEHV 2103, 3000*

BEHV 3117 Counseling & Behavior Change 3 Credits

This course is designed as a survey of contemporary theories and techniques of counseling.

BEHV 3118 Counseling & Minority Behavior 3 Credits

The course is designed to identify and explore issues, strategies and successes with minority clientele. Special emphasis will be placed on behavior change strategies and techniques for working with dysfunctional patterns moving toward effective change in the work, family and community settings.

BEHV 3710 Autism Spectrum Disorders 3 Credits

This course will provide a comprehensive, research-based overview of Autism Spectrum Disorders allowing students to understand the disorder, the range of characteristics, and the issues faced by families of children with autism. This course will explore design, delivery and evaluation of instruction for individuals with autism spectrum disorders, use of assistive technology and augmentative communication and implementation of functional behavior assessment and positive behavior support for children and adults. *Prerequisites: BEHV 3000*

BEHV 3720 Community Applications of Behavior Analysis 3 Credits

The course provides an overview of community psychology from a behavior analytic perspective. This course will cover a number of areas where behavior analysis can make a difference in solving socially important issues at the community level. The focus of the course will be on reviewing the research that has been conducted in the field and developing new ideas for addressing problems in the community. *Prerequisites: BEHV 3000*

BEHV 3730 Organizational Behavior Management 3 Credits

The course provides an overview of the field of Organizational Behavior Management (OBM). OBM is one area of Applied Behavior Analysis with a focus on behavior in the workplace. This class will review how the principles of Behavior Analysis are applied in the business and provide specific examples of how performance management works. In addition, the effectiveness of common practices within the work environment will be evaluated. *Prerequisites: BEHV 3000*

BEHV 3740 Behavior Ethics 3 Credits

This course will familiarize the student with the ethical issues involved in the provision of behavioral services and research with human and animal populations. Special consideration of the responsibilities required of applied behavior analysts by the Behavior Analyst Certification Board (BACB) will be given. Informed consent, protection of confidentiality, conflict of interest, and selection of least intrusive, least restrictive behavior change procedures will be presented and discussed within the context of case method. Ethical decision making processes will be emphasized. *Prerequisites: BEHV 3000*

BEHV 4000 **Selected Topics in Behavior Analysis** **3 Credits**
An in depth study of current topics, which are selected, developed and taught by a member of the faculty.

BEHV 4111 **Health Behavior** **3 Credits**
This course involves an examination of theories, issues and research findings regarding health psychology, the healthy personality and healthy mental functioning.

BEHV 4112/ AFRS 4311 **Behavior of the African American** **3 Credits**
An overview of contemporary topics in the area of Black Psychology, including the emergence of contemporary Black psychology, the Black family, self-concept and motivation, theoretical background and others. *Prerequisite: PSYC 1101 or consent of the instructor*

BEHV 4212 **Internship** **3 Credits**
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.

BEHV 4213 **Research Seminar** **4 Credits**
The study and application of qualitative and quantitative research methods used in the social sciences for measurement, analysis and inferences of data. Emphasis on computer applications for analysis of and presentation of research data. Students will have opportunities to conduct action-oriented research projects and to prepare written reports in appropriate formats.

Criminal Justice

CRJU 1101 **Introduction to Criminal Justice** **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 2102 **Police & Society** **3 Credits**
A study of the role of the police in American society and an overview of police organization and administration.

CRJU 3121 **American Corrections: Practice & Policy** **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.

CRJU 3301 **Constitutional Law in the Criminal Process** **3 Credits**
A case study approach to theoretical and applied knowledge of constitutional issues affecting the criminal justice system.

CRJU 3311 **American Court Systems** **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 1101*

CRJU 3321 **Race, Gender, Class & Crime** **3 Credits**
A comprehensive study of the role of crime in the lives of various minorities within American society. *Prerequisite: CRJU 1101*

CRJU 3361 **Human Behavior** **3 Credits**
The study of the origins of human and deviant behavior from a multidisciplinary approach (biological, psychological, sociological, criminological); addresses major theories and research including case studies illustrative of deviant behavior such as drug abuse, suicide, mental illness, and sexual deviance.

CRJU 3432 Community Policing 3 Credits
Community policing philosophy, applications and issues and contemporary research of policing methods.

CRJU 3521 Drugs, Alcohol, & Crime 3 Credits
History of pharmacology, health consequences, and crime-related aspects of mind-affecting drugs. Emphasis on effects on criminal behavior, the legal response to the problem and on treatment and prevention of abuse.

CRJU 3610 Theories of Criminal Behavior 3 Credits
Provides a basic understanding of the complex factors related to crime, with concentration on principal theoretical approaches to the explanation of crime.

CRJU 3901 Internship 6 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.

CRJU 4111 Criminology 3 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. *Prerequisite: CRJU 1101*

CRJU 4301 Jurisprudence of Criminal Law 3 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 1101*

CRJU 4311 Juvenile Justice 3 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 1101*

CRJU 4331 Comparative Criminal Justice Systems 3 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 1101*

CRJU 4411 Criminal Investigations 3 Credits
An explanation of the history, theories, and procedures for investigating crimes. *Prerequisite: CRJU 1101*

CRJU 4420 Crime Analysis 3 Credits
Examination of various approaches to crime analysis and its effect on planning for criminal justice and related programs. *Prerequisite: CRJU 1101*

CRJU 4501 Violence, Crime & Justice 3 Credits
An examination of violence, criminal responses to violence, and the role of non-criminal 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 1101*

CRJU 4521 Criminal Justice Management 3 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 1101 or CRJU 2102*

CRJU 4901 **Senior Seminar** **3 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

DNCE 1501 **Dance Fundamentals** **3 Credits**

This developmental course builds upon the techniques of dance. The course is designed to further implement modern and jazz technique using contemporary ballet, jazz and modern principles. The class will be taught as an intensive to proper dance structure, balance, fluid movement and physical development. Students must successfully accomplish all outcomes based on goals and objectives.

DNCE 2501 **Modern Dance Performance & Technique** **3 Credits**

This course is designed to teach students with basic to advanced skills techniques of modern dance that lead to performances. This course introduces students with beginner level to advance levels elements of dance that are necessary in order to improve their dance skills. Each student will develop a better appreciation for this art form. It is helpful if students who take this class already have some dance training.

DNCE 2502 **Advanced Modern Dance Performance & Technique** **3 Credits**

This class is designed for the intermediate to advanced level student. Students will expand on the principles of modern dance using the influence of a variety of dance and movement techniques to include ballet, jazz, various ethnic styles, and modern dance fusion. *Prerequisite: DNCE 2501*

DNCE 2661 **Ballet I** **3 Credits**

This course teaches beginning level contemporary ballet technique. The class will stress proper alignment, basic ballet positions, body strengthening, balance, and technique specific to developing dance presentation.
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DNCE 2850, 2855, 3850, 3855, 4850, 4855 **Performance Dance Ensemble** **1 Credit**

This course is professional and performance training class. Students are developed through the official Savannah State University Dance Ensemble. The class will serve as the official technique, developmental, and rehearsal intensive course.

DNCE 3501 **Dance History I** **3 Credits**

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.

DNCE 3502 **Dance History II** **3 Credits**

This course surveys the history of dance from an anthropological perspective. Students will explore the recorded beginnings of dance from West Africa, including expansions from the slave trade that created Caribbean and South American cultures. Students will also explore dances of North Africa and the Middle East; East Asia, to include China, Japan, Korea, Thailand and Java islands.

DNCE 3503 **African-Caribbean Dance** **3 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. *Prerequisites: DNCE 1501*

DNCE 3662 **Ballet II** **3 Credits**

This course increases development and intermediate level contemporary ballet technique. *Prerequisite: DNCE 2661*

DNCE 4500 Dance Composition 3 Credits
This course is an accelerated advanced/intermediate level dance composition course. Students must already have intermediate level skill in Modern dance, Jazz dance, Ballet and other forms of dance performance. The class will develop skill in dance composition and choreography utilizing a variety of venues and incorporating various mixed media. Students will collaborate with other art genres to enhance choreography and composition creativity. Students will be responsible for designing and choreographing a full production.

DNCE 4501 Dance Theory 3 Credits
This course is an exploration of contemporary theories of movement as they relate to dance and how those theories shaped that development of different dance technique. The course also looks at the impact ballet had on dance and the development of different dance forms that were derived from ballet. Students study the theory behind Horton Technique, Graham Technique, Dunham Technique, as well as other techniques. This class will consist mainly of lecture, with some laboratory. *Prerequisites: DNCE 2501 and 3501*

DNCE 4504 Interpretive Dance & Performance 3 Credits
This class is designed for the advanced, skilled performer. Students will learn the basic principles of choreography, and the theory and practice of interpretive dance. *Prerequisite: DNCE 2501*

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 0989*

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
Extensive practice in composition forms and stylistic techniques. This course requires peer and self-evaluation and frequent conferences with the instructor to guide extensive revision of compositions. Students develop a final portfolio illustrating their expertise in writing. *Prerequisite: ENGL 1102*

ENGL 2105 Introduction to Literary Criticism 3 Credits
An introduction to theories and techniques of literary analysis, with practice in reading literary and critical texts, in writing critical essays, and in doing literary research. Includes a survey of critical approaches to literature. *Prerequisite: ENGL 1102*

ENGL 2111 World Literature I 3 Credits
A survey of important works of world literature from ancient times through the mid-seventeenth century.
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 British Literature I 3 Credits
A survey of important works of British literature from the Old English period through the eighteenth century. *Prerequisite: ENGL 1102*

ENGL 2122 British Literature II 3 Credits
A survey of important works of British Literature from the Romantic period to the present. *Prerequisite: ENGL 1102*

ENGL 2131 American Literature I 3 Credits
A study of the main currents of literary thought and expression in America from the colonial period to 1865. *Prerequisite: ENGL 1102*

ENGL 2132 American Literature II 3 Credits
A study of the main currents of literary thought and expression in America from 1865 to the present. *Prerequisite: ENGL 1102*

ENGL 2222 Introduction to African American Literature 3 Credits
A survey course designed to give an overview of a broad body of works, beginning with the oral tradition of displaced Africans in America. The course includes representative works from major historical periods, including the era of the Slave Trade and Diaspora, the Harlem Renaissance, the Black Arts Movement and Urban Realism. *Prerequisite: ENGL 1102*

ENGL 2322 Imaginative Writing 3 Credits
A course designed to provide valuable writing and reading experience for all majors who are interested in expanding their understanding and practice in the area of creative writing and literary analyses. It will enhance their understanding of classroom-learned concepts and practices by providing instructed guidance on the application of their reading, writing, and analyzing skills as they relate to Imaginative Writing (multi-genre creative writing). *Prerequisite: ENGL 1102.*

ENGL 2521 Introduction to Cinema 3 Credits
Introduction to reading and interpreting the language of film through an understanding of filmmaking techniques, cinematic conventions and active viewing practices. The influence of key genres, movements, and figures, both American and international, will also be discussed. *Prerequisite: ENGL 1102.*

ENGL 3012 Renaissance British Literature 3 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. *Prerequisite: ENGL 2105 and ENGL 2121 or consent of the instructor*

ENGL 3014 Romantic British Literature 3 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. *Prerequisite: ENGL 2105 and ENGL 2122 or consent of the instructor*

ENGL 3015 Victorian British Literature 3 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. *Prerequisite: Prerequisite: ENGL 2105* and *ENGL 2122 or consent of the instructor*

ENGL 3016 Modern British Literature 3 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. *Prerequisite: Prerequisite: ENGL 2105* and *ENGL 2122 or consent of the instructor*

ENGL 3121 The Bible as Literature (Also PHIL 3121) 3 Credits
Critical survey of the various forms of literature found in the Hebrew Bible. *Prerequisite: ENGL 2105 or consent of the instructor.*

ENGL 3122 Intro to New Testament and Apocrypha (Also PHIL 3122) 3 Credits
An introduction to the literature of the New Testament and to the religious writing contemporary with the Bible known as the Apocrypha. Using the tools of literary and rhetorical analysis, we will explore the meanings the Biblical and Apocryphal texts held for their communities, and the strategies by which the texts construct and convey those meanings. *Prerequisite: ENGL 2105 or consent of the instructor*.

ENGL 3212 African-American Oral Literature (Also AFRS 3212) 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. *Prerequisite: ENGL 2105 and ENGL 2222 or permission of the instructor*

ENGL 3213 African Literature (Also AFRS 3213) 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, Armab, Okri, Ngugi, Senghor, Beti, Oyono, Fagunwa, and Salih. Prerequisite: ENGL *2105 and ENGL 2222 or permission of the instructor*

ENGL 3216 African-American Poetry (Also AFRS 3216) 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. *Prerequisite: ENGL 2105 and ENGL 2222 or permission of the instructor*

ENGL 3218 African-Caribbean Literature (Also AFRS 3218) 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, Cesaire, and Guillen. *Prerequisite: ENGL 2105 and ENGL 2222 or permission of the instructor*

ENGL 3321 Introduction to Language Study 3 Credits
A general survey of linguistics, with emphasis on sociolinguistics, the historical development of the English language, and the structure of contemporary English. *Prerequisite: ENGL 1102*

ENGL 3416 Creative Nonfiction Writing 3 Credits
Guided practice in the writing of various forms of nonfiction (memoir or autobiography, personal essays, travel writing, cultural criticism) that are distinguished by the use of personal perspectives and literary techniques. Students will study and discuss examples by professional writers and other students, submit frequent writing projects, and hold frequent conferences with the instructor. *Prerequisite: ENGL 1102*

ENGL 3417 Introduction to Creative Writing: Poetry 3 Credits
An introductory course with an emphasis on the craft of poetry writing. Students will explore and deconstruct a variety of poetic forms and conventions and engage in writing exercises that will help create their own poetry manuscript while building skill as writers. *Prerequisite: ENGL 1102*

ENGL 3418 Introduction to Creative Writing: Fiction 3 Credits
An introductory course with an emphasis on the craft of fiction writing. Students will examine a variety of fiction texts in order to gain a theoretical understanding of the writing and reading of fiction which will allow them to analyze and critique fiction works.
. *Prerequisite: ENGL 1102*

ENGL 3419 Introduction to Technical Writing 3 Credits
This course introduces students to the written, oral, and digital aspects of technical communication. Students will gain proficiency in the techniques of objective reporting on scientific and technical material; the conventions of technical exposition; rhetorical analysis; collaborative writing; the ability of completing tasks in the workplace; language use; and principles of various technical reports, including abstracts, proposals, presentations, and manuals. *Prerequisite: ENGL 1102*

ENGL 3430 Literary Editing, Publishing, and Marketing 3 Credits

ENGL 3515 World Drama 3 Credits
A survey of important dramatic works from the Americas, Europe, Asia, and Africa. *Prerequisite: ENGL 2105.*

ENGL 3800 Peer Writing Tutor Seminar 3 Credits
This course is designed to examine the theoretical and practical components of writing center work. This course will also introduce students to all facets of writing center consultation and administration. *Prerequisites: ENGL 1101 and 1102 with a B or better or ENGL 2104 with a B or better*

ENGL 3900 Internship for English Majors 3 Credits
This course is designed to give students practical experience working, researching, and/or studying in a public or private agency related to the field of English. Students will be supervised by the sponsoring agency as well as faculty advisor; all parties will work together to designate individual goals and responsibilities for each student. Intern positions may be obtained in any one of a broad range of relevant organizations, including but not limited to various media outlets, publishing and/or editing firms, non-profits, libraries, governmental agencies, educational and educational support facilities, and legal firms. Students must complete at least 100 hours of onsite work as well as additional writing and research assignments. *Prerequisite: ENGL 2104*

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. *Prerequisite: ENGL 2121*

ENGL 4021 The British 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. *Prerequisite: ENGL 2122 or consent of the instructor*

ENGL 4105 Advanced Playwriting 3 Credits

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 2105 and 2131 or ENGL 2132 or consent of the instructor*

ENGL 4211 African-American Drama (Also AFRS 4211) 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. *Prerequisite: ENGL 2105 and ENGL 2222 or permission of the instructor*

ENGL 4217 African-American Fiction (Also AFRS 4217) 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. Prerequisite: ENGL *2105 and ENGL 2222 or permission of the instructor*

ENGL 4218 African-American Nonfiction (Also AFRS 4218) 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. *Prerequisite: ENGL 2105 and ENGL 2222 or permission of the instructor*

ENGL 4311 Nineteenth Century American Literature 3 Credits

A study of fiction and poetry of the Romantic and Realist periods in the United States. *Prerequisite: ENGL 2105 and ENGL 2131 or ENGL 2132 or permission of the instructor*

ENGL 4332 American Short Story 3 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. *Prerequisite: ENGL 2105 and ENGL 2131 or ENGL 2132 or permission of the instructor*

ENGL 4335 American Poetry 3 Credits

A study of poetry written in America, with an emphasis on significant themes, techniques, and movements. *Prerequisite: ENGL 2105 and ENGL 2131 or ENGL 2132 or permission of the instructor*

ENGL 4400-4410 Special Topics 3 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. *Prerequisite: ENGL 2105*

ENGL 4415 Advanced Technical Writing 3 Credits

ENGL 4416 Creative Nonfiction Writing Seminar 3 Credits

This course is designed to continue work in the craft and creation of creative non-fiction writing. In this seminar students will closely examine their writing and that of their peers, as well as a variety of creative and academic creative non-fiction texts in order to further a theoretical understanding of the writing and reading of creative non-fiction. Students will write intensely to produce works for peer critique in a workshop setting. *Prerequisite: ENGL 3416 or permission of the instructor with writing sample*

ENGL 4417 Poetry Writing Seminar 3 Credits

This course continues work in the craft and creation of poetry writing. In this seminar students will closely examine their writing and that of their peers, as well as a variety of creative and academic poetry texts in order to further a theoretical understanding of the writing and reading of poetry. Students will write intensely to produce works for peer critique in a workshop setting. *Prerequisite: ENGL 3417 or permission of instructor with writing sample*

ENGL 4418 Fiction Writing Seminar 3 Credits

This course continues work in the craft and creation of fiction writing. In this smaller workshop format, students will closely examine their writing and that of their peers, as well as a variety of fiction texts in order to further a theoretical understanding of the writing and reading of fiction. Students will write intensely to produce works for peer critique in a workshop setting. *Prerequisite: ENGL 3418 or permission of instructor with writing sample*

ENGL 4419 Advanced Screenwriting Seminar 3 Credits

An advanced course in screenwriting with an intensive emphasis on the craft of screenwriting. Students will explore and deconstruct conventions of American and foreign film and engage in writing exercises that will help create their own script while building their writing skills. Students will acquire detailed instruction in story structure, dialogue, character development and cinematic methods. By the end of the course each student will have produced a complete, polished original screenplay. *Prerequisite: THEA 4105 or permission of instructor with writing sample*

ENGL 4551 Postcolonial Studies 3 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. *Prerequisite: ENGL 2105 and 2122 or permission of the instructor*

ENGL 4621 Popular Culture Studies 3 Credits

An examination of American pop culture, with an emphasis on developments since World War II.A study of current trends in pop culture and cultural theory. *Prerequisite: ENGL 1102 and ENGL 2132 or permission of the instructor*

ENGL 4631 Literary & Cultural Theory 3 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. *Prerequisite: ENGL 2105*

ENGL 4700 Senior Seminar 3 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. *Prerequisite: ENGL 2104 and ENGL 2105;* senior standing or permission of instructor.

Fine Arts

FINE 2101 Arts Practices 3 Credits

This course addresses the interdisciplinary nature of the visual and performing arts through a cooperative hands-on immersion into a real-time arts production. Students will be introduced to the craft, design, and theory crucial to their own arts endeavors. Significant artists and movements will be surveyed and critiqued in order to gain a better understanding of the context of their own art making. Ultimately, students receive the fundamental background workings of how to create their own exhibition/recital/performance.

FINE 2104 Portfolio/Career Marketing 3 Credits

Portfolio and Career Marketing prepares students for entering into their chosen careers, furthering education and employment in a field of their interest while in study or upon graduating from the university. The course is two-fold portfolio development and preparation-based learning experience. The course provides instruction on and includes self-awareness, career awareness and career exploration.

FINE 2909 Arts Administration 3 Credits

This course is an introductory management course for the student seeking a career in the visual and performing arts. Students will be introduced to the various aspects of entertainment law. This course aims to introduce students to management issues and topics that apply to art management of various disciplines and give students tools and strategies to navigate these issues. These topics include, but are not limited to; self-promotion, marketing, advertising and publicity, as well as alternative funding sources. Finally, this course aims to provide students with the opportunity to apply these advanced management techniques to their specific artistic field and examine how these principles can be applied to their artistic business endeavors including effective professional written communication.

FINE 2999 Legal Aspects of the Arts 3 Credits

This course provides a basic introduction to laws and legal issues affecting arts and entertainment professionals. Attention is given to the products of individual artists and entertainers, as well as contract and agency law and taxlaw, as well as a visual or performing artist's relationship with professional organizations and unions. Students are encouraged to explore and assess contemporary law as it relates to their professional goals and aspirations.

FINE 3999 Internship 3 Credits

This is a senior level course where students will be involved in off-campus, on-the-job observation and training in which the student pursues professional work in a variety of traditional and non-traditional careers appropriate to their academic program. An internship must be completed at 100 clock hours. Students planning to take an internship must prepare a portfolio/reel before enrolling. *Prerequisite: approval required and successful completion (C average or better) of 30 credit hours within the student's chosen concentration*

FINE 4900-4910 Special Topics 3 Credits

The topic of this seminar varies from semester to semester. Each seminar focuses on a specific field and/or issue in the Arts. Students engage the topic by perusing individual projects that relate to course content. *Prerequisite: varies with topic*

FINE 4999 Senior Thesis 3 Credits

Students enrolled in the program will demonstrate knowledge of the field through a thesis. Students must have topic approval from a faculty advisor in their chosen concentration and work under the close supervision of a thesis committee. The student must also complete a senior thesis research paper relevant to the student's chosen topic and pass a program exit examination. *Prerequisites: Approval required. Successful completion (C average of better) of 45 credit hours within the student's chosen concentration.*

Foreign Languages

Arabic

ARAB 1001 Elementary Arabic I 3 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 II 3 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 I 3 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 II 3 Credits

Continuation of Intermediate Arabic I. *Prerequisite: ARAB 2001*

Chinese

CHIN 1001 **Elementary Chinese I** **3 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 II** **3 Credits**

A continuation of CHIN 100I 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 I** **3 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 II** **3 Credits**

Continuation of CHIN 2001. *Prerequisite: CHIN 2001*

French

FREN 1001 **Elementary French I** **3 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 II** **3 Credits**

A continuation of FREN 1001 with emphasis on hearing, speaking, reading and writing. *Prerequisite: FREN 1001*

FREN 2001 **Intermediate French I** **3 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 II** **3 Credits**

A continuation of FREN 200I.Intensive review in writing, speaking, and reading. *Prerequisite: FREN 2001*

FREN 3101 **Advanced Conversation & Composition** **3 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 Civilization** **3 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 Literature** **3 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 French** **3 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 French** **3 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 & Caribbean Francophone Literature** **3 Credits**
Study of selected writings in prose, poetry, and drama by major French-speaking African, North African, and Caribbean writers. *Prerequisite: FREN 3101*

Spanish

SPAN 1001 **Elementary Spanish I** **3 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 II** **3 Credits**
Practice in listening to, speaking, reading, and writing Spanish. Continuation of SPAN 1001. *Prerequisite: SPAN 1001 or permission of instructor*

SPAN 2001 **Intermediate Spanish I** **3 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 II** **3 Credits**
Intensive review of basic principles of Spanish; continued practice in listening, speaking, reading, and writing. *Prerequisite: SPAN 2001*

SPAN 3101 **Advanced Conversation & Composition** **3 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 & Culture of Spain** **3 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 & Culture of Latin America** **3 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 Literature** **3 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 Spanish** **3 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 Spanish** **3 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 Spanish** **3 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*

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.

GEOG 3122 **The Geography of Poverty** **3 Credits**
This course provides an examination of the spatial dimensions of poverty in the United States and provides evidence that there is some utility in bringing the spatial perspective of the geographer to bear on the national problem of poverty. The course addresses disparities in wealth, economic prosperity and social-well being and quality of life issues in American cities. Different perspectives (geographical, sociological, economic, psychological, and cultural) on the definitions and dimensions of poverty are examined in some depth.

GEOG 3302 **Geographic Information System & Spatial Analysis** **3 Credits**
This course is designed to provide basic knowledge of Geographic Information Systems (GIS) theory and applications using the existing state-of-the-art GIS software: *ArcGIS*. The students will learn the basic concepts of GIS design and structure and to understand the concept and application of spatial data analysis. By the end of the course, students are expected to have a thorough understanding of GIS functionality, methodology for implementing the technology, and its potential usefulness in a variety of social problems. *Prerequisite: CSCI 1130 or equivalent*

GEOG 3621 **Population Geography** **3 Credits**
The course is designed to acquaint the students with the essentials of population study from a geographer's perspective. Students will learn where to obtain pertinent demographic data and how to analyze it in a meaningful way with maps and statistics. It examines the characteristics and distribution of human populations across the diaspora paying special attention to the factors responsible for the spatial variations in mortality, fertility and migration patterns.

GEOG 3631 **Urban Social Geography** **3 Credits**
An examination of the ways in which urban geography facilitates an understanding of cities, how cities are conceived, lived and represented. The course helps students understand how different social groups in cities affect the spatial configuration of the urban landscape and how such landscapes have changed over the course of human history. It discusses the ways in which different social groups make claims on space and place, and addresses the question of how communities are delimited in the framework of "social space".

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 it effects. *Prerequisite: PSYC 1101 or PSY 201*

GRNY 3104 Biological & 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/AFRS 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 & 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 & 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 & 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.

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.

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.

HEDU 1112 Concepts in Healthful Living / Fitness Walking 3 Credits The
The purpose of this course is to enable you to gain knowledge and skills you will need to make informed decisions about your health and health-related behaviors. If you work to apply the knowledge you gain in this course to your personal life, the benefits of this class will extend far beyond the academic credit award to you for completing this course successfully. This course will also introduce the student to the fundamental concepts of physical activities that will help promote a healthy lifestyle and encourage the appreciation of leisure activities. This course will introduce the student to aerobic and resistant training along with presenting basic nutritional guidelines.

HEDU 1113 Concepts in Healthful Living / Physical Conditioning 3 Credits

The purpose of this course is to enable you to gain knowledge and skills you will need to make informed decisions about your health and health-related behaviors. If you work to apply the knowledge you gain in this course to your personal life, the benefits of this course will extend far beyond the academic credit awarded to you for completing this course successfully. This course will also introduce the student to practical and comprehensive information and experiences related to physical activity while teaching students how to undertake a regular program of physical activity.

HEDU 1114 Physical Activity and Stress Management / Fitness Walking 3 Credits This course is designed to explore the nature of human stress, and to examine some physical and mental methods of reducing stress. This course exposes students to a holistic approach to stress management. It treats both cognitive skills and relaxation techniques with the intention of preventing and/or alleviating the physical symptoms of stress. This course will also introduce the student to the fundamental concepts of physical activities that will help promote a healthy lifestyle and encourage the appreciation of leisure activities. This course will introduce the student to aerobic and resistant training along with presenting basic nutritional guidelines.

HEDU 1115 Physical Fitness for Life / Swimming 3 Credits
This course is designed to enable the student to develop skills and knowledge that will aid him/her in determining physical fitness status, and to develop and apply physical fitness programs. This course will also introduce the student to an aquatic environment. The student will receive instruction in basic swimming techniques and safety procedures.

HEDU 1116 Physical Fitness for Life / Weight Training 3 Credits
The purpose of this course is to enable the student to develop skills and knowledge that will aid him/her in determining physical fitness status, and to develop and apply physical fitness programs. This course will also introduce the student to weight training and conditioning. The student will receive instruction in basic weight training techniques and safety procedures.

HEDU 1140 Tennis I 1 Credit
Students will learn tennis techniques, strokes, and practice skills. Students will develop beginning proficiency in tennis and obtain basic knowledge of its fundamental mechanics and etiquette.

HEDU 1150 Beginning Golf 1 Credit
Students will learn golf techniques and practice skills. Students will develop beginning proficiency in golf and obtain basic knowledge of its fundamental mechanics and etiquette.

HEDU 1201 Physical Activity & 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.

HEDU 1211 Physical Activity & 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.

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.

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.

HEDU 1501 Modern Dance Techniques 1 Credit
Course designed to teach the fundamentals of modern dance that contribute to wellness.

HEDU 1520 Group Fitness 1 Credit
The course presents an instructor-led regimented style exercise regime that works the entire body through one of a variety of group fitness activities. The topic of the course may vary from semester to semester and the topic will be indicated on the course title on the schedule. Possible topics include, but are not limited to, yoga, pilates, Zumba, or tai chi.

HEDU 1601 Swimming 1 Credit
A beginning course in swimming. Students learn basic techniques and drown-proofing skills.

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.

HEDU 1621 Water Aerobics 1 Credit
A water aerobics class that focuses on all the components of physical fitness.

HEDU 1701 Fitness Walking 1 Credit
The purpose of this course is to introduce the student to the fundamental concepts of physical activities that will help promote a healthy lifestyle and encourage the appreciation of leisure activities. This course will also introduce the student to aerobic and resistant training along with presenting basic nutritional guidelines.

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 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/AFRS 3301 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/AFRS 3312 The African-American in the 20th Century 3 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 Europe 3 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 Europe 3 Credits
A detailed study of the political, social, economic, and intellectual development in Europe since 1789. Emphasis is on western Europe.

HIST 3501 Colonial America 3 Credits
An examination of cultures and institutions of colonial America before 1776.

HIST 3502 American Revolution & New Nation 3 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 & Reconstruction 3 Credits
An intensive examination and analysis of the forces at work in American life during the crucial period from 1840 through 1877.

HIST 3504 Recent American History 3 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 & 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 History 3 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 Internship Credit 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 History Credit Varies
Directed readings and other activities related to particular topic in the discipline.

HIST/AFRS 4301 History of African-American Thought 3 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 Britain 3 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 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/AFRS 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/AFRS 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.

Homeland Security and Emergency Management

HSEM 2101 Introduction to HSEM 3 Credits
A survey of the emerging field of homeland security and emergency management. The course provides students with a broad picture of the emergency management system in the United States, including historical events, practices, and policies that have had impacted the development of emergency management and homeland security as a governmental function and as a profession. Students will get an overview of the role and methods of emergency management and homeland security in protecting lives, property, and infrastructure.

HSEM 3110 Politics & Policy of HSEM 3 Credits
Examines policies, programs, agencies, and institutions involved in U.S. disaster and emergency management. Focus is on the role of politics, public policymaking, and intergovernmental relations in managing all hazards at the local, state, and national levels. Emergency management and homeland security encompass a wide range of expertise and activities; policy and politics have significant impact on these preparedness, response and related activities before and during a disaster. *Prerequisite or Corequisite: HSEM 1101*

HSEM 3120 Law & Ethics in HSEM 3 Credits
Focuses on the legal, liability and ethical concepts underlying U.S. civil liberties and rights in the context of HSEM activities, from mitigation and prevention, to declarations of emergency or acts of terrorism. Topics addressed include surveillance, public health quarantine, property buyouts, federal laws passed in the aftermath of September 11, 2001, terrorists' attacks, rights of citizens and foreign

nationals, government infrastructure for decisions concerning national and international legal rights, and jurisdictional issues. *Prerequisite: HSEM 1101*

HSEM 3122 International Humanitarian Law 3 Credits

An elective that provides an introduction to concepts and rules related to human rights law of armed conflict. Topics include humanitarian aid, legal principles, non-governmental organizations, the Nuremberg Charter, Geneva Convention, Genocide Convention, and background, statutes and experiences related to United Nations tribunals and the International Criminal Court.

HSEM 3130 Emergency Planning, Mitigation & Incident Management 3 Credits

Provides foundation knowledge and develops skills and abilities in planning, hazard mitigation and incident management. It addresses planning principles and specific types of planning including emergency operations planning, continuity of operations and continuity of government planning, and business continuity planning. It includes instruction on incident management, addressing direction, control and cooperation challenges, systems, and approaches across disciplines and levels of government. Training and exercises as key components of preparedness also are addressed. *Prerequisite or Co requisite: HSEM 3250*

HSEM 3140 Diversity Issues in HSEM 3 Credits

Examines the extent to which HSEM practitioners and their organizations serve the needs of diverse groups, including the elderly, disabled, women, racial and ethnic groups, the poor and/or disadvantaged, and other segments of the community. The course also explores ways of expanding participation of diverse groups in the design and implementation of disaster planning and policy. *Prerequisite or Co requisite: HSEM 3250*

HSEM 3250 Risk & Vulnerability Assessment 3 Credits

A study of a hazard identification and risk and vulnerability assessment across all types of hazards. The course provides instruction in analytical techniques and methodologies for threat and vulnerability assessment for public and private entities. It uses an all-hazards approach to assessing risk, addressing natural, human-caused, and technological hazards, and will include cyber and critical infrastructure threats. *Prerequisite or Co requisite: HSEM 1101*

HSEM 3260 Terrorism in the Modern World 3 Credits

A survey of the problem of terrorism from a contemporary perspective, emphasizing political and ideological roots of terrorism. Examines the history of terrorism, domestically and internationally, the roles of religion and culture, the structures and operations of terrorist organizations, and antiterrorism policies and policymaking.

HSEM 3360 The Intelligence Community & the Intelligence Process 3 Credits

An elective course that examines the processes and challenges of state, local, and federal intelligence gathering and dissemination. Intelligence policy and practice will be addressed. *Prerequisite: HSEM 3110*

HSEM 3400 Public Health Issues in HSEM 3 Credits

An elective course that explores public health issues involved in homeland security and emergency management, including study of biological agents, prevention, preparedness, public health communications, pandemic planning, and public health response.

HSEM 3510 Critical Infrastructure Protection 3 Credits

Addresses characteristics of critical infrastructure sectors and interdependencies as well as tools and techniques for assessing risks to critical infrastructure and key resources. Students will learn how to reason about large and complex systems, analyze weaknesses, and formulate strategies to allocate resources efficiently to address protection. Students gain skills in risk analysis and development of protective measures given in practical, political, economic, and social constraints.

HSEM 3822 Tools for Decision-making in HSEM 3 Credits

A study of technology tools and organizational and decision-making techniques useful in homeland security and emergency management. Examines use of communications, software, information management and other tools in HSEM settings. Includes use of hazard analysis and mapping software applications, including geographic information systems (GIS), and incident management technologies. *Prerequisite: HSEM 3250*

HSEM 3840 Effective HSEM Communication & Leadership 3 Credits

Prepares future HSEM professionals with communication and leadership skills to fulfill crucial roles of communicating and team-building with individuals in government, private sector, and the community. The course will explore the need for and provide tools for developing strong communication and leadership across a spectrum of constituencies and environments, including within the incident management system, with the objective of improved outcomes in disasters. *Prerequisite or Co requisite: HSEM3250*

HSEM 3901 HSEM Internship 3 Credits

Designed to provide the HSEM major or minor with an opportunity to relate theory to practice through observation and actual experience with government, private sector, and/or non-profit sector organizations that have responsibilities for developing policy or performing work in the area of homeland security and emergency management. *Prerequisite: 75 credit hours or permission of instructor*

HSEM 4000 Independent Study 3 Credits

An elective open to students with junior and senior standing who have earned at least 12 credit hours in HSEM. Independent study, which requires permission of the HSEM program coordinator, offers students an opportunity to conduct research under the direction of an instructor qualified in the subject or field of major interest.

HSEM 4601 Topics in HSEM 3 Credits

An elective that addresses an HSEM topic of special interest. *Prerequisites: HSEM 1101 and permission of instructor*

HSEM 4901 Senior Capstone Seminar 3 Credits

A capstone course examining major issues in homeland security and emergency management. Students will produce a research project. *Prerequisite: Required HSEM courses through 3200 level or permission of instructor*

Humanities

HUMN 1201 Critical Thinking & Communication 3 Credits

This course is designed to assist in the development of skills in critical reading, critical thinking, and interpersonal communication in the context of contemporary issues. This course focuses not only on improving reading comprehension and analytical skills, but also on identifying problems with logic found in one's own communication and in that of others, on developing an awareness of techniques commonly used in advertising and political language, on understanding principles of interpersonal communication and public speaking, and on organizing, developing, and presenting audience-centered material.

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 ENG109*

Mass Communications

COMM 1000 Mass Communications Colloquium 2 Credits

This course is for entering freshmen. The one hour a week course will provide the students with similar content to the course in Freshman Experience. The course will also provide the faculty in the mass communications department opportunities to engage majors at an earlier time in their matriculation and provide guidance to freshman majors on curriculum and concentration areas.

COMM 2101 **Writing for the Media** **3 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 & Society** **3 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) is surveyed. Broad comparisons of the American with foreign media systems are included.

COMM 2106 **African-Americans in the Media** **3 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 & Design** **3 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-Journalism** **3 Credits**
Instruction in taking, developing, and printing pictures for news purposes. Digital camera required.

COMM 3105 **Writing for Newspapers & Magazines** **3 Credits**
A continuation of COMM 2101 with emphasis on writing for the print media. *Prerequisite: COMM 2101*

COMM 3110 **Desktop Publishing** **3 Credits**
An in-depth, hands-on application of at least two desktop publishing software packages (including InDesign) as writing tools. *Prerequisite: COMM 3102*

COMM 3120 **Introduction to Communications Theory** **3 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 Journalism** **3 Credits**
An historical survey of the principal developments in journalism from the eighteenth through the twentieth centuries.

COMM 3201 **Feature Writing** **3 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 Television Production** **3 Credits**
This course is designed to provide students with a working knowledge of the disciplines and techniques involved in television production. The course will also give students a basic operating knowledge of the terminology used in the television industry. *Prerequisite: COMM 3303*

COMM 3302 **Speech for Radio & Television** **3 Credits**
A course designed to teach the basic techniques of radio and television broadcasting. Emphasis on news casting, advertising, sports casting, and announcing formats. *Prerequisite: SPEH 1101*

COMM 3303 **Scriptwriting for Radio & Television** **3 Credits**
Scriptwriting for Radio and Television provides practical experience in writing various forms used in broadcast and film media and provides students with exposure to professional audio and video production equipment and techniques. *Prerequisite: COMM 2101*

COMM 3305 Introduction to Film Production 3 Credits
Provides students a working knowledge of the disciplines and techniques involved in film production including a basic operating knowledge of the terminology and equipment used in the film industry. *Prerequisite: COMM 3901*

COMM 3306 Introduction to Audio Production 3 Credits
Designed to provide students with a working knowledge of the disciplines and techniques involved in radio and other professional audio production systems. The course will also give students a basic operating knowledge of professional audio equipment and technology and appropriate terminology.

COMM 3401 Introduction to Public Relations & 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, COMM 2101 and COMM 3110*

COMM 3402 Advertising Media Sales & 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 3901 History of Film 3 Credits
Class sessions are informal. The instruction process is lecture by the instructor, guest lecturers, out of class procedural demonstrations, examination and viewing of various film genres, and exercises by the class in various production situations. Student and group projects will be conducted in and outside of the regular class period.

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. *Prerequisites: COMM 3401 or COMM 4107 or COMM 4170 and 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 4108 Film & Television Directing 3 Credits
This course is designed to provide students with a working knowledge of the disciplines and techniques involved in the directing process for film and television, and will give students a basic operating knowledge of the terminology used in directing film and television production. *Prerequisite: COMM 3301 or COMM 3305*

COMM 4109 Radio Production & Programming 3 Credits
This course will provide students with experience in how radio stations operate and the various programming functions involved in the radio and music industries.

COMM 4110 Advanced Audio Production 3 Credits
Advanced instruction and practice in radio production, including directing, programming, and equipment. *Prerequisite: COMM 3301*

COMM 4111 Film & Television Editing 3 Credits

This course will provide students with an introduction to linear and non-linear editing processes for film and television. *Prerequisite: COMM 3301 or COMM 3305*

COMM 4112 Commercial Recording 3 Credits

This course will provide students with experiences in recording for the broadcast and music industries. Commercials, music video production, music production, and public service announcements will be examined. New approaches to digital music production and software usage in the music industry will also be covered. *Prerequisite: COMM 3306*

COMM 4113 Advanced Post-Production Techniques 3 Credits

This course will provide students with advanced techniques for the non-linear editing processes for film and television. This course will give students expert operating knowledge of the terminology used in the post-production process of film and television productions. *Prerequisite: COMM 4111 or COMM 4112*

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 & 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 & Advertising Campaigns 3 Credits

Analysis of contemporary public relations and advertising issues. Development of public relations and advertising campaigns involving research, planning, preparation and 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 & 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 and COMM 4101*

COMM 4705 Communication Law & 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. *Prerequisite: 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, 1945-1970s, and preparation and production of a mini-documentary. *Prerequisites: COMM 3303 and COMM 4107*

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*

COMM 4904 Independent Study

Independent study, on-line and print based, is designed to offer the individual student an opportunity to explore subjects outside of the traditional classroom setting. The specific course requirement will be formulated by the student under the direction of a selected instructor who possesses expertise in the subject matter. A grade point average of 3.00 is required. Exceptions to the 3.00 average may be made for students under extenuating circumstances.

An independent study form must be signed by the instructor of record and the department chairperson prior to a student's enrollment in the course. A statement regarding the conditions and credit/semester limits under which the course may be repeated must be clearly stated in the DESCRIPTION (Student may not be enrolled for more than 9 credits).

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 Keyboard 1 Credit

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 1408, 2408, 3408 and 4408 are courses directly related to the official band of Savannah State University and run concurrently during the first semester according to student rank. A continuation of the course takes place during the second semester.

MUSC 1408 Band Organization (1st Semester) 1 Credit

A course that focuses on band performance and technique development. Freshman level.

MUSC 1409 Band Organization (2nd Semester) 1 Credit

A continuation of MUSC 1408.

MUSC 1421 Applied Major Area Instrument (1st Semester) 1 Credit

A private lesson held in the percussion studio for one hour a week by appointment only. Freshman level.

MUSC 1422 Applied Major Area Instrument (2nd Semester) 1 Credit

A continuation of MUSC 1421.

MUSC 1455 Jazz Ensemble 1 Credit

A course designed to expose students to composers and arrangers of jazz, rock, and soul music. Improvisation also included.

MUSC 1456 Jazz Ensemble 1 Credit

A course designed to expose students to composers and arrangers of jazz, rock, and soul music. Improvisation also included.

MUSC 1542 Basic Keyboard (non-majors) 3 Credits

A basic course in the elements of piano playing. The course will cover practical playing skills, technical study, ensemble playing, sight-reading, harmonization and study of solo repertoire.

MUSC 1608, 2608, 3608, AND 4608 are courses directly related to the official choir of Savannah State University and run concurrently during the first semester according to student rank. A continuation of the course takes place during the second semester.

MUSC 1608 Choral Organization (1st Semester) 1 Credit
The official choir of Savannah State University. The choir studies and performs standard choral literature encompassing music from the pre-Baroque style to 20th century music and beyond. The choir makes appearances in support of the University. Freshman level.

MUSC 1609 Choral Organization (2nd Semester) 1 Credit
A continuation of MUSC 1608.

MUSC 1808, 2808, 3808 and 4808 are courses directly related to the official string ensemble of Savannah State University and run concurrently during the first semester according to student rank. A continuation of the course takes place during the second semester.

MUSC 1808 Chamber Organization (1st Semester) 1 Credit
A course that involves the official percussion ensemble of Savannah State University which studies and performs chamber and ensemble music. The group performs at various functions on and off campus in support of the university. Freshman level.

MUSC 1809 Chamber Organization (2nd Semester) 1 Credit
A continuation of MUSC 1808.

MUSC 2101 Theory II 3 Credits
Course covering concepts such as diatonic harmony, modulation, chromatic chords, modes, harmonization from melody and bass, analysis of examples.

MUSC 2408 Band Organization (1st Semester) 1 Credit
A course that focuses on band performance and technique development. Sophomore Level.

MUSC 2409 Band Organization (2nd Semester) 1 Credit
A continuation of MUSC 2408.

MUSC 2431 Applied Major Area Instrument (1st Semester) 1 Credit
A private lesson held in the percussion studio for one hour a week by appointment only. Sophomore level.

MUSC 2432 Applied Major Area Instrument (2nd Semester) 1 Credit
A continuation of MUSC 2431.

MUSC 2455 Jazz Ensemble 1 Credit
A course designed to expose students to composers and arrangers of jazz, rock, and soul music. Improvisation also included.

MUSC 2456 Jazz Ensemble 1 Credit
A course designed to expose students to composers and arrangers of jazz, rock, and soul music. Improvisation also included.

MUSC 2522 Keyboard I 3 Credits
A continuation of MUSC 1542. The course will further develop student skills in practical playing skills, technical study, ensemble playing, sight-reading, harmonization and study of solo repertoire. *Prerequisite: MUSC 1201 or 1542*

MUSC 2608 Choral Organization (1st Semester) 1 Credit
The choir studies and performs standard choral literature encompassing music from the pre-Baroque style to 20th century music and beyond. The choir makes appearances in support of the University. Sophomore level.

MUSC 2609 Choral Organization (2nd Semester) 1 Credit
A continuation of MUSC 2608.

MUSC 2641, 2644, 3641, 3644, 4641, and 4644 Applied Major Area 1 Credit
A one-on-one direct study course devoted to the development of proficiency in a specific area of applied music. Regular lessons scheduled and periodic performances anticipated.

MUSC 2644 Applied Major Area – Voice (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 2645 Applied Major Area – Voice (Majors only) 1 Credit
A continuation of MUSC 2644.

MUSC 2646 Voice Performance I 2 Credits
Students will learn healthy vocal techniques, and then study several songs and apply the techniques to the new repertoire. Students will learn a classical vocal approach.

MUSC 2808 Chamber Organization (1st Semester) 1 Credit
A course that involves the official percussion ensemble of Savannah State University which studies and performs chamber and ensemble music. The group performs at various functions on and off campus in support of the university. Sophomore level.

MUSC 2809 Chamber Organization (2nd Semester) 1 Credit
A continuation of MUSC 2808.

MUSC 3011 African-American Music 3 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 African American Music at the Piano 2 Credits
A course built around jazz, gospel and spiritual repertoire at the piano. The student will learn and perform African American standards at the piano. The student will learn of the influence of African Americans in "Classical" music. *Prerequisite: MUSC 3531*

MUSC 3111 Theory III (Form & Analysis) 3 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. *Prerequisite: MUSC 2101*

MUSC 3121 History & Literature of Music I 3 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 3122 History & Literature of Music II 3 Credits
A continuation of MUSC 3121 beginning with the Baroque period to the present.

MUSC 3321 Instrumental Methods I 2 Credits
An introduction to the principles of instrumental performance and pedagogy. Focus on technique and group performance.

MUSC 3322 **Instrumental Methods II** **2 Credits**
An instrumental methodology course that familiarizes the student with approaches to learning and teaching different families of instruments in preparation for performance doubling or musical instruction. *Prerequisite: MUSC 3321*

MUSC 3421 **Applied Major Area Instrument (1st Semester)** **1 Credit**
A private lesson held in the percussion studio for one hour a week by appointment only. Junior level.

MUSC 3422 **Applied Major Area Instrument (2nd Semester)** **1 Credit**
A continuation of MUSC 3421.

MUSC 3455 **Jazz Ensemble** **1 Credit**
A course designed to expose students to composers and arrangers of jazz, rock, and soul music. Improvisation also included.

MUSC 3456 **Jazz Ensemble** **1 Credit**
A course designed to expose students to composers and arrangers of jazz, rock, and soul music. Improvisation also included.

MUSC 3560 **Piano Pedagogy** **1 Credit**
This course introduces the student to basic aspects of piano pedagogy, and covers methods and materials for teaching beginners (Adults and Children) at the piano. This course does not concentrate on the student's personal technical development at the keyboard. Students will earn practical experience by themselves teaching at the piano, and may be required to find a suitable student to teach. *Prerequisite: MUSC 3531*

MUSC 3608 **Choral Organization (1st Semester)** **1 Credit**
The choir studies and performs standard choral literature encompassing music from the pre-Baroque style to 20th century music and beyond. The choir makes appearances in support of the University. Junior level.

MUSC 3609 **Choral Organization (2nd Semester)** **1 Credit**
A continuation of MUSC 3608.

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 3646 **Voice Performance II** **2 Credits**
Continuation of MUSC 2646 which includes more challenging vocal repertoire.

MUSC 3651 **English and Italian/German/French Diction** **1 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 Diction** **1 Credit**
A continuation of MUSC 3651.

MUSC 3653 **Vocal Pedagogy** **1 Credit**
Methods and materials for the studio.

MUSC 3751 **Conducting** **2 Credits**

A study of the techniques of conducting and interpretation of instrumental and choral literature.

MUSC 3808 Chamber Organization (1st Semester) 1 Credit
A course that involves the official percussion ensemble of Savannah State University which studies and performs chamber and ensemble music. The group performs at various functions on and off campus in support of the university. Junior level.

MUSC 3809 Chamber Organization (2nd Semester) 1 Credit
A continuation of MUSC 3808. Junior level.

MUSC 4010 Contemporary Music 3 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 Composition 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. *Prerequisites: MUSC 2101, 2102 or MUS 211*

MUSC 4408 Band Organization (1st Semester) 1 Credit
A course that focuses on band performance and technique development .Senior level.

MUSC 4409 Band Organization (2nd Semester) 1 Credit
A continuation of MUSC 4408.

MUSC 4420 Instrumental Pedagogy 2 Credits
A course designed to use comprehensive methods and materials in understanding the repertoire of instrumental music.

MUSC 4421 Applied Major Area Instrument (1st Semester) 1 Credit
A private lesson held in the percussion studio for one hour a week by appointment only. Senior level.

MUSC 4422 Applied Major Area Instrument (2nd Semester) 1 Credit
A continuation of MUSC 4421. Senior level.

MUSC 4536 Keyboard II 3 Credits
Involves a higher level of technical proficiency concentrating on repertoire from the Romantic and Impressionistic eras. *Prerequisite: MUSC 2522*

MUSC 4455 Jazz Ensemble 1 Credit
A course designed to expose students to composers and arrangers of jazz, rock, and soul music. Improvisation also included.

MUSC 4456 Jazz Ensemble 1 Credit
A course designed to expose students to composers and arrangers of jazz, rock, and soul music. Improvisation also included.

MUSC 4608 Choral Organization (1st Semester) 1 Credit
The choir studies and performs standard choral literature encompassing music from the pre-Baroque style to 20th century music and beyond. The choir makes appearances in support of the University. Senior level.

MUSC 4609 Choral Organization (2nd Semester) 1 Credit
A continuation of MUSC 4608.

MUSC 4611 **Accompaniment** **1 Credit**

A practical approach to the presentation of musical scores for collaborative piano playing with a singer, instrumentalist, or chorus. A large variety of repertoire will be examined. *Prerequisite: MUSC 3531or permission from the instructor*

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 4645 **Applied Major Area – Voice (Majors only)** **1 Credit**

A continuation of MUSC 4644.

MUSC 4808 **Chamber Organization (1st Semester)** **1 Credit**

A course that involves the official percussion ensemble of Savannah State University which studies and performs chamber and ensemble music. The group performs at various functions on and off campus in support of the university. Senior level.

MUSC 4809 **Chamber Organization (2nd Semester)** **1 Credit**

A continuation of MUSC 4808.

MUSC 4999 **Seminar/Practicum/Internship** **3 Credits**

A senior level course with two components: 1) Off-campus, on-the-job observation and training with the students pursuing professional work in a variety of traditional and non-traditional careers appropriate to their academic program. An internship must be completed at 100 clock hours for 3 credits. 2). Students must have an understanding of the various kinds of research as well as knowledge in their field of concentration in preparation for graduate schools and vocational entry positions. Students must show competence and skills in their field of study, prepare for successful completion of the departmental exit examination, and prepare a marketable project in the field of study. *Prerequisite: completion of 30 credit hours in BFA major*

Philosophy

PHIL 2010 **Introduction to Philosophy** **3 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 concentration in Religious and Philosophical Studies.

PHIL 2030 **Introduction to Ethics** **3 Credits**

This course examines the philosophical study of morality--the justification of moral judgments and actions, as well as the concepts of right and wrong, duty, and character. Philosophers include Aristotle, Immanuel Kant, John Stuart Mill, and may include other influential thinkers from the Western tradition, as well as contemporary moral theorists.

PHIL 2500 **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: PHIL 2010 or permission of the instructor*

PHIL 3101 **Philosophy of Religion** **3 Credits**

A study of philosophical concepts associated with religion and religious experience. *Prerequisite: PHIL 2010 or permission of the instructor*

PHIL 3102 **Philosophy of Love & Sex** **3 Credits**
This course examines the changing philosophical significance of the conceptions and depictions of love and sex. *Prerequisite: PHIL 2010 or permission of the instructor*

PHIL 3103 **Philosophy of Film** **3 Credits**
This course explores questions about the aesthetic dimensions of film, examines film as an art form, and focuses on philosophical questions about the nature of film, as well as philosophical questions generated by selected films. *Prerequisite: PHIL 2010 or permission of the instructor*

PHIL 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: PHIL 2010 or permission of the instructor*

PHIL 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: PHIL 2010 or permission of the instructor*

Political Science

POLS 1101 **American Government** **3 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 Science** **3 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 & Local Government** **3 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 Issues** **3 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 Administration** **3 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 Politics** **3 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 & Politics** **3 Credits**
A study of the methods, political environment, political structures, participation and socialization, public policy processes of selected political systems.

POLS 3121 International Law 3 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*

POLS 3131 International Organizations 3 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, 3101*

POLS/AFRS 3141 African Government & 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*

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*

POLS/AFRS 3221 Civil Rights & 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 and POLS 2101*

POLS 3401 Administrative Law 3 Credits
A study of cases illustrating how the conduct of public officials is regulated. *Prerequisite: POLS 3211*

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*

POLS 3511 Organization Theory & 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*

POLS/AFRS 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*

POLS 3701 Georgia Government & Politics 2 Credits
A survey of Georgia state and local governmental institutions, functions, and processes, including the behavior of political leaders. *Prerequisite: POLS 1101*

POLS 3801 Gender & 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 4000 Special Topics 3 Credits
Special topics course will allow for different courses to be offered based on various topics chosen by faculty members or resulting from student requests. This will allow for current issues to be addressed, as well as courses by visiting and adjunct faculty. The course will be taught as a regular course with several students attending the same classes and laboratories (if offered).

**Note - If a given special topic is offered more than once per two-year period, it will be submitted for formal approval through regular university procedures. A course outline and syllabus will be submitted to and approved by the department chair prior to scheduling of course.*

POLS 4101/ENVS 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, HIST 1102; and POLS 2101 or 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, POLS 4201*

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*

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*

POLS 4501 The Media & 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 and POLS 2601*

POLS 4521 Party Politics & 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*

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 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 study, on-line and print-based, is designed to offer the individual student an opportunity to explore subjects outside of the traditional classroom setting. The specific course requirements will be formulated by the student under the direction of a selected instructor who possesses expertise in the subject matter. A grade point average of 3.00 is required. Exceptions to the 3.00 average may be made for students under extenuating circumstances.

**Note - An independent study form must be signed by the instructor of record and the department chairperson prior to a student's enrollment in the course. A statement regarding the conditions and credit/semester limits under which the course may be repeated must be clearly stated in the DESCRIPTION (may not be enrolled for more than 9 credits).*

Psychology

PSYC 1101 Introduction to General Psychology 3 Credits
This introductory survey course explores the scientific study of human nature, behavior, and cognitive processes. The major areas of psychological study will be reviewed including history, biology, memory, learning, development, personality, abnormal and social psychology. Emphasis will be placed on applying psychological principles and data to life experiences.

PSYC 2103 Human Growth & Development 3 Credits
An introductory, non-laboratory based examination of human development across the life span with an emphasis on normal patterns of physical, cognitive and social development.

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 function in small groups, in societies, and in cross-cultural perspectives; attitudes, motives, and social perception will be emphasized. *Prerequisites: PSYC 1101*

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*

PSYC 3401 Test & 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*

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, 3301*

PSYC/AFRS 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. *Prerequisite: PSYC 1101*

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. *Prerequisite: PSYC 1101*

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*

PSYC 4701 Abnormal Psychology 3 Credits
Covers the contemporary approach to the description and understanding of maladaptive and pathological human processes. The varieties of abnormal experiences and behavior will be presented and discussed. The study method will be used in providing a comprehensive review of current approaches to the recognition and categorization of mental disorders. Causes and treatment of psychopathology will be discussed. *Prerequisite: PSYC 1101, 4101*

Religious Studies

RELS 3121 The Bible as Literature: Intro to the Hebrew Bible 3 Credits
An introduction to the books of the Hebrew Bible, with emphasis on rhetorical and literary-critical analysis. *Prerequisite: ENGL 1102*

RELS 3122 The Bible as Literature: Intro New Testament & Apocrypha 3 Credits
An introduction to the books of the New Testament and the Apocrypha, with emphasis on rhetorical and literary-critical analysis. *Prerequisite: ENGL 1102*

RELS 3231 Introduction to Eastern Religions 3 Credits
A study of the teachings of Taoism, Confucianism, Hinduism, and the various sects of Buddhism. *Prerequisite: PHIL 2010 or permission of the instructor*

RELS 4221 **The Jewish & Islamic Traditions** **3 Credits**

A study of religious thought as it has influenced the Old Testament, the New Testament, and the Koran. *Prerequisite: PHIL 2010 or permission of the instructor*

RELS 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: PHIL 2010 or permission of the instructor*

RELS 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: PHIL 2010 or permission of the instructor*

Social Work

SOWK 2000 **Self Awareness** **3 Credits**

This gateway course is designed to address self-awareness and effective learning that is necessary to become effective professional social work practitioners. Further it is to enhance students' development of self and the use of self to empower others in social work practice. The students will examine their identity, interpersonal relationship skills, problem-solving skills, styles of communication, and value system. *Prerequisite: Social Work Majors only*

SOWK/SOCI 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)

SOWK 2200 **Human Needs & Human Services** **3 Credits**

This is the gateway course to the undergraduate Bachelor of Social Work (BSW) degree. It provides and introduction to human services and the profession of social work, including opportunities and career choices available to human services professionals. 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 human needs. Students are afforded opportunities to interact with professional social workers. Required for the social work major, but open to all majors.

SOWK 2205 **History of Social Welfare & Social Policy** **3 Credits**

First course in the policy sequence. It provides an introduction to the historical significance of social values on the development of social welfare policies and programs. Concepts relative to social welfare developments are introduced. Students are introduced to beginning level assessment skills of social problems, social programs, and policy analysis.
Prerequisites: SOWK 2200

SOWK 3101 **Research Methods II** **3 Credits**

This course enables students to understand and apply scientific thought and procedures to social work practice. Emphasis is on the research process and its relevance for social work practice (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: SOWK 2101/SOCI 2101, 2205,*

3201, 3305, and instructor permission

SOWK 3201 Human Behavior & the Social Environment I 3 Credits

This first course in the human behavior sequence studies the bio-psycho-social, cultural and spiritual influences on the life cycle from pre-birth through adolescence. Emphasis is on understanding the interactions between individuals, groups, institutions and communities and their environments from various perspectives including a systems, ecological, strengths, diversity, and human development. Restricted to social work majors. *Prerequisites: SOWK 2200, 2205, 3305 and admission to major*

SOWK 3202 Human Behavior & the Social Environment II 3 Credits

The second course in the human behavior sequence continues the examination of the bio-psycho-social, cultural and spiritual influences on the life cycle from late adolescence/early adulthood through old age and death. Emphasis is on understanding the interactions between individuals, groups, institutions and communities and their environments from various perspectives including a systems, ecological, strengths, diversity, and human development. Restricted to social work majors. *Prerequisites: SOWK 2000, 2200, 2205, 3201, 3305*

SOWK 3220 Human Diversity & Social Work Practice

This course offers a critical analysis and understanding of social work practice with client populations from diverse backgrounds (i.e., social class, culture, geography, disability, gender, age, sexual orientation, among others). Course content emphasizes the use of self-awareness as a tool used to enhance cultural competency skills for generalist practice. Restricted to social work majors. *Prerequisite: SOWK 2000, 2200, 2205, and admission to major*

SOWK 3305 Introduction to Social Work Practice 3 Credits This course, the first of four methods courses in the practice sequence, introduces students to the professional practice of social work. Course content includes the history of the development of social work as a profession including social upheavals and the influence of social movements on service delivery. This course provides a survey of different approaches to the delivery of social services especially from a medical to a participatory empowerment model. The problem-solving method, various field settings in which social work is practiced and interviewing as a skill are introduced. Students are expected to complete volunteer service in an approved human service agency. Restricted to social work majors. *Prerequisite: SOWK 2000 and 2200.*

SOWK 3340 Interventive Methods I 3 Credits

This second course in the practice sequence is designed to assist students in developing interpersonal skills clients at the micro and mezzo levels of generalist practice. Students develop personal skills and enhance their self-awareness using various methods of interventions applied via case studies, role plays, logs and other forms of demonstrations. Restricted to social work majors. *Prerequisites: SOWK 2000, 2200, 2205, 3201,3305*

SOWK 3341 Interventive Methods II 3 Credits

This third course in the practice sequence is taken in conjunction with the first field practicum sequence course SOWK 4701. The course focuses on practice approaches, problem solving, and intervention modalities using the systems perspective at the mezzo level of generalist practice. Restricted to social work majors. *Prerequisites: SOWK 2000, 2200, 2205, 3305, 3340; Co requisites: SOWK 4701, 4901*

SOWK 3342 **Interventive Methods III** **3 Credits** The final course in the practice sequence emphasizes macro level interventions with large entities such as institutions, organizations, communities, and neighborhoods, rural and urban, nationally and internationally. Utilizing multiple roles of the generalist worker and integrating knowledge 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**.** Methods III is taken in conjunction with the final field practicum course SOWK 4702.Restricted to social work major. *Prerequisites: SOWK 2000, 2200, 2205, 3201, 3202, 3305, 3340, 3341; Co requisites: SOWK 4702, 4902*

SOWK 4000 **Special Topics** **3 Credits** Special topic courses will allow for different courses to be offered based on various topics chosen by faculty members or resulting from student requests. This will allow for current issues to be addressed, as well as courses by visiting and adjunct faculty. The course will be taught as a regular course with several students attending the same classes and laboratories (if offered).

If a special topic is offered more than once per two-year period, it will be submitted for normal approval through regular university procedures. A course outline and syllabus will be submitted to and approved by the department chair prior to scheduling of course.
Prerequisite: Consent of Instructor

SOWK 4100 **Independent Study** **3 Credits**
Independent Study, on-line and print-based, is designed to offer the individual student an opportunity to explore subjects outside of the traditional classroom setting. The specific course requirements will be formulated by the student under the direction of a selected instructor who possesses expertise in the subject matter. A grade point average of 3.00 is required. Exceptions to the 3.00 average may be made for students under extenuating circumstances.

An independent study form must be signed by the instructor of record and the department chairperson to a student's enrollment in the course. A statement regarding the conditions and credit/semester limits under which the course may be repeated must be clearly stated in the DESCRIPTION (may not be enrolled for more than 9 credits).
Prerequisites: Consent of Instructor with approval of Department Chair

SOWK 4106 **Social Work with Families & Children** **3 Credits**
A course designed to give social work majors comprehensive exposure and a historical perspective to the concept of family and child welfare (FCW) as a societal concern and as an area of practice in social work. The course analyzes social policies and service delivery relevant for families and children. This is the first of two courses required for BSW Title IV-E Child Welfare recipients. This is an elective course for non IV-E social work students and other interested majors.
Prerequisites: Junior standing or consent of instructor

SOWK 4201 **Gerontological Social Work** **3 Credits** This course offers an overview of social work theory and practice on aging and older adult populations. Emphasis is placed on the biopsycho-social, cultural, spiritual, economic, and health needs of older adults with particular attention

to policies, programs, and intervention strategies of intervention that meet the needs of the older adult population. Elective course open to all majors at junior level and above. *Prerequisites: Junior standing 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, older adults, and ethnicity.

SOWK 4410 Implementation of Social Welfare Policies 3 Credits

The second course in the policy sequence provides students with critical analytical and assessment skills essential to understanding the purpose and function of social policy. Students are required to analyze several policies. Restricted to social work major. Prerequisites: SOWK 2000, 2205, 3305, 3201, 3202, 3340

SOWK 4520 Spirituality and Human Services 3 Credits

This course is designed to address self-awareness and effective learning that is necessary to become effective professional social work practitioners. Further it is to enhance students' development of self and the use of self to empower others in social work practice. The students will examine their identity, interpersonal relationship skills, problem-solving skills, styles of communication, and value system.

SOWK 4610 International Issues in Social Work 3 Credits This course introduces students to concepts and practice issues regarding social welfare in a global context. Students review and apply conceptual frameworks, such as those based on human rights, social development, and sustainable development, to a range of global problems such as poverty, health, status of women and children, etc. Students use these frameworks, and an ecological and systems perspective to compare the dimensions of, and interventions used in response to, social problems in the United States and other countries, with special attention to vulnerable populations such as the elderly, refugees, handicapped, etc.

SOWK 4701 Field Experience I 6 Credits

The first of a two-part semester sequence Senior Social Work field practicum where majors are assigned to social service agencies to observe and engage in generalist social work practice. Under structured supervision with a professional social worker, students are provided opportunities to apply social work knowledge, values, and skills acquired in the classroom to social service delivery systems. Student interns will work must complete 20 hours per week for a total of 300 clock hours. Restricted to social work major

Prerequisite: SOWK 2000, 2205, 3305, 3340, 3101, 3202 and Senior standing
Co-requisites: SOWK 3341, SOWK 4410

SOWK 4702 Field Experience II 6 Credits The second sequence of the field practicum for Senior Social Work majors. Students generally continue in the same agency as in SOWK 4701, and are expected to apply advanced generalist techniques. Students must complete 20 hours per week for a total of 300 clock hours. Restricted to social work major. Prerequisite: SOWK 4701, 4901, 3341

Co-requisites: SOWK 3342 Senior Standing

SOWK 4901 Senior Seminar 3 Credits

Part one of a two-semester capstone course for the BSW major. This course is designed as an integrative reflective experience for students as they approach the end of their BSW studies. Students will utilize value dimension of social work as the central theme to guided discussions, group exercises, and written assignments designed to facilitate and insure the integration of social work methods, knowledge, and skills for effective generalist practice. Students prepare for final senior exit requirement as determined by the department. Restricted to social work majors enrolled in SOWK 4701.

Prerequisite: Senior Standing

SOWK 4902 Senior Seminar 3 Credits

Part two of the sequence capstone course for the BSW major. Students complete final senior exit requirement began in SOWK 4901. Students are required to present a major paper, which they will orally defend, integrating a generalist understanding of social work. This requires the student to reflect on their background and culture, as well as the total BSW experience including social work core courses, electives, volunteer experiences, field internship, class discussions, professional meetings attended, and other interactions. Restricted to social work majors enrolled in SOWK 4702.

Prerequisite: SOWK 4901

SOWK 5501 Law Race Poverty 3 Credits

The course focuses on differential application of law on child welfare issues and the interventions of human service workers. Emphasis is on child abuse and neglect, separation and loss, foster care, kinship care, the courts and legal issues related to decision-making.

Prerequisites: Senior status or instructor permission

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 1160 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 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*

SOCI 3122 Sociology of Poverty 3 Credits

This course examines theories on the causes of poverty and provides an examination of empirical studies concerning the trends and determinants of poverty.

SOCI 3201 **Classical Theory** **3 Credits**
This course will focus on the pivotal theories contributed not only to the development of the field of sociology but also to the evolution of ideas concerning social life. *Prerequisite: SOCI 1101*

SOCI 3202 **Health Disparities** **3 Credits**
Students will be introduced to the stress-exposure disease framework for understanding the relationships among race, environmental conditions and health. The course also offers the exposure-disease paradigm that shows how environmental toxicants cause disease. Students will be exposed to structural factors pertinent to environmental health disparities including the local and national economy, neighborhood physical conditions, land use patterns, and health infrastructure.
Prerequisite: SOCI 1101

SOCI 3219 Deviance & Conformity 3 Credits
This course will introduce students to the various theories, concepts and forms of deviant behavior.

SOCI 3301 **Sociology of Aging** **3 Credits**
This course examines aging, including ageism, the changing roles and relationships of elders in society as well as theories and concepts of aging.

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*

SOCI 3425 **Sex, Roles & Gender** **3 Credits**
This cross examines the evolutionary and cross-cultural analysis of sex roles in human societies with a special focus on the relative status of women. *Prerequisite: SOCI 1101*

SOCI/AFRS 3611 **Minorities & 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 SOCI 1150*

SOCI 3621 **Demography** **3 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. *Prerequisite: SOCI 1101*

SOCI 3631 **Urban Sociology** **3 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 Religion** **3 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 **Internship** **Credit 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 & Independent Research** **3 Credits**
Independent reading or research in selected areas of sociological interest; supervised by a department member.

SOCI 4102 **The Sociology of Health and Disparities** **3 Credits**
The study of health disparities will provide students with an in-depth look at published reports and books on variations in health conditions among societal members.

SOCI 4111 **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 4135 **Sociology of Law** **3 Credits**
This course will also examine work of theorists who proposed and popularized various concepts, theories, and paradigms relevant to the study of law and society.

SOCI 4311 **Juvenile Delinquency** **3 Credits**
This course is designed to provide students with an overview of the social dimensions of juvenile delinquency, its nature, extent, distribution, prevention and control.

SOCI 4312 **Contemporary Theory** **3 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. *Prerequisite: SOCI 1101*

SOCI 4421/AFRS 4421 **Seminar on the African-American Experience** **3 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 Seminar** **3 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. *Prerequisite: SOCI 3401 or permission of the instructor*

Speech

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**
A course emphasizing self-improvement in all phases of diction and delivery and providing experience in various speaking situations. *Prerequisite: HUMN 1201 or permission of instructor*

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 2525 **Theatre Improvisation** **3 Credits**
This course will help the student prepare for critical thinking while creating a scene. The class will also increase confidence in the public-speaking abilities of the students. *Prerequisite: HUMN 1201*

THEA 2601 **Stagecraft** **3 Credits**
A course on backstage equipment, how to use it to maximum effort with safety, speech, and efficiency, THEA 2601 will focus on the practical aspects of lighting and production. Students will word with a variety of equipment available to meet the lighting demands of a production.

THEA 3004 **Scene Design** **3 Credits**
An exploration and investigation of scenic design. The course will explore and analyze modern scenic elements used in the various play genres. The art and skills required in designing scenery are explored in detail. This includes the developing models, plans, and color schemes for student productions.

THEA 3101 **Acting I** **3 Credits**
Designed to teach performers the basic fundamentals and techniques of acting. Students learn to control the body's creative energy by participating in exercises as solo acting, duo acting and basic audition.

THEA 3122 **Movement I** **3 Credits**
An introduction course to stage movement and kinetic practice and intentions.

THEA 3123 **Movement II** **3 Credits**
A continuation of Movement I, Movement II covers the basic principles for developing fitness and examines the means by which one becomes an actress through improvisation, scene study and improvising play. *Prerequisite: THEA 3122*

THEA 3125 **Stage Make Up & Costumes** **3 Credits**
A systematic study of form, line, balance, tone, shade, value and pattern with reference to the human form and its costume. The basic principles and practice in make-up, stage, screen, and television are used. Students will practice in using cosmetics, wigs, hairpieces, and facial prosthetics and masks.

THEA 4051 **Black American Theatre & Performance** **3 Credits**
Will cover significant development in the American Black Theatre since 1900 as reflected through the major playwrights and theatre organizations.

THEA 4055 **Theatre History I** **3 Credits**
Covers theatre history, dramatic literature and theory from Italian to the Pre-Algdern era. The physical theatre and culture of the period will be studied as they affect the theatre of each period.

THEA 4056 **Theatre History II** **3 Credits**
Covers theatre history, dramatic literature, and theory from the English Restoration to the present. The physical theatre and culture of each period will be studied culminating into an understanding of the beginnings of theatrical criticism to include a worldly view of theatre.

THEA 4058 **Women in Theatre** **3 Credits**
Through selected readings, this course will focus on the evolution of the female character from classical to contemporary theatre. The course will also follow the progress of the female playwright in theatre. *Prerequisite: ENGL 1102*

THEA 4101 **Acting II** **3 Credits**
A laboratory class providing practical experiences within the area of acting as demonstrated in Acting I. Students enrolled in this class are required to complete one modern scene study assignment for production and one complete audition that entails two contrasting monologues. This course works toward a culminating activity, which is a one-act modern play to be performed for jury. *Prerequisite: THEA 3101*

THEA 4103 **Advanced Acting/TV/Cinema** **3 Credits**
Offers advanced work in special problems of applying acting techniques to the demands of modern media. Practicum experience is designed for television and cinema. The course leads the actor/student to a finished mini-production of either a television or film project.

THEA 4104 **Acting III** **3 Credits**
Studies the problems and techniques in periods and styles through intensive scene study and performance of Greek, Shakespearean and Romantic works. *Prerequisites: THEA 4101, 4103*

THEA 4105 **Playwriting** **3 Credits**
A laboratory course that explores dramatic writing including study and practice in writing for the modern stage. This course will be conducted upon the principles of critical readings, script analysis, and dramatic genres.

THEA 4111 **Performance/Production/Management** **3 Credits**
Permits the student to learn through theatre production, marketing strategies, front of house duties, fundraising and proposal writing, and the roles and responsibilities of a producer.

THEA 4201 **Auditioning and Directing** **2 Credits**
Explores elementary principles of stage plays, practice work in directing and auditioning, and one-act plays; attention is given to the principles of selecting, casting, and rehearsing of plays through exercises, lectures, and demonstrations. *Prerequisite: completion of 18 credits hours in Concentration area*

THEA 4645 **Musical Theatre** **3 Credits**
This course explore the origins of the musical theatre in the United States and the African American contribution to the American musical. Students will learn about the different forms of musical theatre and will apply their learning through performance and production.

College of Sciences and Technology

Freshman Year Experience

COST 1103 **Freshman Year Experience** **2 Credits**
This course is designed to assist students in the academic and social transitions associated with college life. The development of specific success skills such as financial literacy, time management, note-taking and study strategies, critical thinking, effective communication, and career and academic guidance activities will be included in this class.

Astronomy

ASTR 1010 **Introduction to Astronomy** **3 Credits**

This is a one-semester introduction course to astronomy. Some of the topics to be covered include: sun, planets and moons; origin of the solar system; nature and evolution of stars; exploding stars; stellar remnants, including white dwarfs, neutron stars, and black holes; molecules in space; galaxies and quasars; past and future of the Universe; and life in the Universe. A field trip to the Planetarium may be required. *Prerequisites: ENGL 0090, READ 0099, and MATH0099*

Biology

BIOL 1001 Introduction to Life Science 1 Credit
Introduction to the biological sciences, career exploration, and the responsibilities of professionals in these careers.**(1-0-1)**Freshman elective course for Biology Major.

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 1107 Principles of Biology I 3 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: CHEM 1211 (For biology, marine science and environmental science majors)*

BIOL 1107L Principles of Biology I Lab 1 Credit
Lab taken concurrently with BIOL 1107**. (0-2-1)**

BIOL 1108 Principles of Biology II 3 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 and BIOL 1107*

BIOL 1108L Principles of Biology II Lab 1 Credit
Lab taken concurrently with BIOL 1108. **(0-2-1)**

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 2515K Human Anatomy & 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 1103 or BIOL 1104 or CHEM 1211 or consent of instructor*

BIOL 2516K **Human Anatomy & 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 studies of organs especially nervous, musculo-skeletal, endocrine and reproductive systems. **(3-2-4)**
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 Lab** **1 Credit**
Lab taken concurrently with BIOL 3101. **(0-2-1)**

BIOL 3201 **Molecular and Cell 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 3201L **Molecular and Cell Biology Laboratory** **1 Credit**
Lab taken concurrently with BIOL 3201. **(0-2-1)**

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 Lab** **1 Credit**
Lab taken concurrently with BIOL 3211.**(0-2-1)**

BIOL 3301 **Genetics** **3 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 **Genetics Lab** **1 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 Lab** **1 Credit**
Lab taken concurrently with BIOL 3321.**(0-2-1)**

BIOL 3401 Ecology & 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 3401L Ecology & Evolutionary Biology Lab 1 Credit

Lab taken concurrently with BIOL 2401.

BIOL 3410 Molecular Evolution 3 Credits

Molecular Evolution is a study of genetic and epigenetic changes that define the modern synthesis of evolutionary change. Material will be reviewed to study changes in DNA within an organism, including population structure, geographic distribution, and systematics. Also, comparisons between organisms will be covered to review changes to DNA structures. Overall, the students will gain an appreciation of the fluid nature of DNA changes over time within all species. *Prerequisites: BIOL 3301 and 3301L*

BIOL 3420K Introduction to Genomics 3 Credits

Introduction to Genomics is a study of genomes. The course discusses the structure, function, and evolution of genomes; and introduces the latest techniques that are used to explore the genomes. The course will increase students' understanding of the application of genomics in our health and well-being. *Prerequisites: BIOL 3301 and 3301L*

BIOL 3501 Animal Behavior 3 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 Lab 1 Credit

Lab taken concurrently with BIOL 3501.**(0-2-1)**

BIOL 3511 Vertebrate Anatomy 3 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 Anatomy Lab 1 Credit

Lab taken concurrently with BIOL 3511.**(0-2-1)**

BIOL 3601K Biocomputing 4 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.**(3-2-4)** *Prerequisites: CSCI 1130 and BIOL 1108*

BIOL 3621 Urban Health & 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 3201*

BIOL 3801L Animal Physiology Lab 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 and 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 3201*

BIOL 4211L Reproductive Biology Lab 1 Credit

Lab taken concurrently with BIOL 4211. **(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 Lab 1 Credit

Lab taken concurrently with BIOL 4270.**(0-2-1)**

BIOL 4301 Biotechnology-An Overview 3 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 Overview 1 Credit

Lab taken concurrently with BIOL 4301.**(0-3-1)**

BIOL 4411 Genetic Engineering Technology I 3 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 I Lab 1 Credit

Lab taken concurrently with BIOL 4411.**(0-3-1)**

BIOL 4412 Genetic Engineering Technology II 4 Credits

Principles and applications of biotechnology/molecular biology laboratory methods. Use recombinant DNA technology, gene transfer, regeneration of transgencies, 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 4601 Neuroscience 3 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 3201; 3511*

BIOL 4601L Neuroscience Lab 1 Credit
Lab taken concurrently with BIOL 4601. **(0-2-1)**

BIOL 4611 Developmental Biology 3 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 3201, 3301, and 3511*

BIOL 4611L Developmental Biology Lab 1 Credit
Lab taken concurrently with BIOL 4611.**(0-3-1)**

BIOL 4631 Endocrinology 3 Credits
Physiology of the endocrine glands and their control of metabolism and reproductive cycles. **(3-0-3).** *Prerequisites: BIOL 3201 and 3801*

BIOL 4631L Endocrinology Lab 1 Credit
Lab taken concurrently with BIOL 4631.**(0-2-1)**

BIOL 4641 Parasitology 3 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 Lab 1 Credit
Lab taken concurrently with BIOL 4641. **(0-2-1)**

BIOL 4651 Physiological Chemistry 3 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 3201*

BIOL 4651L Physiological Chemistry Lab 1 Credit
Lab taken concurrently with BIOL 4651. **(0-2-1)**

BIOL 4681 Immunology 3 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 3201,3321*

BIOL 4681L Immunology Lab 1 Credit
Lab taken concurrently with BIOL 4681. **(0-2-1)**

BIOL 4701 Molecular Genetics 3 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 Lab 1 Credit

Practical laboratory exercises in gene cloning, sequencing and other recombinant DNA techniques. **(0-2-1)**

BIOL 4711 Molecular Biology 3 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 Lab 1 Credit
Lab taken concurrently with BIOL 4711.**(0-2-1)**

BIOL 4921 Senior Seminar Research 2 Credits
Seminar Option: To conduct extensive literature search on a biology-related topic, process the scientific information and present a comprehensive review in a formal seminar and submit written report. Research option: To conduct independent reseasrch under the supervision of a mentor in a biology-related field and present research results in a formal seminar and submit written report. **(2-0-2)** *Prerequisites: Completion of all 3000-level ccourses*

BIOL 4930 Senior Synthesis 2 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 semester hours credit. Laboratory courses meet four hours each week and carry one semester hour credit. Courses marked with an * cannot be used to satisfy the requirements for major in chemistry.*

CHEM 1101K* Introductory Chemistry 4 Credits
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 1211 Principles of Chemistry I 3 Credits
First course in a two-semester sequence covering the fundamental principles and applications of chemistry. This course covers composition of matter, stoichiometry, periodic relations, and nomenclature. **(3-0-3)** *Prerequisite: All students are required to take a Chemistry Placement Test*

CHEM 1211L Principles of Chemistry I Lab 1 Credit
Laboratory exercises to supplement the lecture material of CHEM 1211. **(0-4-1)** *Prerequisite or Co requisite: CHEM 1211*

CHEM 1212 Principles of Chemistry II 3 Credits
Second course in a two-semester sequence covering the fundamental principles and applications of chemistry.**(3-0-3)** *Prerequisite: CHEM 1211*

CHEM 1212L Principles of Chemistry II Lab 1 Credit
Laboratory exercises to supplement the lecture material of CHEM 1212. **(0-4-1)** *Prerequisite: CHEM 1211L; Co requisite: CHEM 1212*

CHEM 2501 Organic Chemistry I 3 Credits

The first of two semester introductory courses covering the principles of organic chemistry. The properties, preparation, reactions, and interrelationships of the important classes of organic chemistry**. (3-0-3***) Prerequisite: CHEM 1212*

CHEM 2501L Organic Chemistry I Lab 1 Credit

Laboratory techniques in organic chemistry; synthesis and reactions of organic compounds and spectroscopic analysis. Lab taken concurrently with CHEM 2501 **(0-4-1)** *Prerequisite: CHEM 1212L; Co requisite: CHEM 2501*

CHEM 2511 Organic Chemistry II 3 Credits

A Continuation of Organic Chemistry I**. (3-0-3)** *Prerequisite: CHEM 2501*

CHEM 2511L Organic Chemistry II Lab 1 Credit

A Continuation of Organic Chemistry Laboratory I**. (0-4-1)** *Prerequisites: CHEM 2501L; Co requisite: CHEM 2511*

CHEM 2601K Chemistry Research Methods 2 Credits

Review of the research process. Construct a literature review, including the use of computer based tools, and critically analyze research papers. Introduction to performing systematic independent investigation, critically interpreting results in the context of previous studies, and communicating research results as a scientific report. **(1-1-2)** *Prerequisites: CHEM 1212 and 1212L*

CHEM 3101K Analytical Chemistry 4 Credits

Principles and techniques in volumetric and gravimetric determinations .Principles of chemical equilibria using chromatographic, spectrophotometric, and potentiometric methods of analysis. **(3-4-4)** *Prerequisite: CHEM 1212, CHEM 1212L*

CHEM 3111K Instrumental Analysis 4 Credits

Instrumental techniques used in chemical analysis with emphasis on accuracy and precision. Statistical and regression methods for the interpretation of data. **(3-4-4)** *Prerequisite: CHEM 3101K*

CHEM 3201K Inorganic Chemistry 4 Credits

Fundamental principles of inorganic chemistry. Topics include electronic structure of atoms, inorganic bonding theories, group theory, coordination chemistry, and spectroscopic applications. The accompany lab reinforces concepts of the topics discussed in lecture course. (**3-4-4)** *Prerequisite: CHEM 1212*

CHEM 3401K Physical Chemistry I 4 Credits

Thermochemistry, thermodynamics, equilibria, electrochemistry, kinetics and quantum mechanics. **(3-4-4) Prerequisites***: CHEM 1212, CHEM 1212l and MATH 2111*

CHEM 3411K Physical Chemistry II 4 Credits

Liquids, solids, surface and transport phenomena. Modern treatment of atom, structure, spectroscopy, statistical mechanics and statistical thermodynamics. **(3-4-4) Prerequisite***: CHEM 3401K*

CHEM 3522L Advanced Synthesis Laboratory 2 Credits

The focus of this laboratory course will be on advanced synthetic methods in organic and biochemistry. A wide range of compounds will be synthesized and characterized using appropriate separation and spectroscopic techniques. The interpretation of spectroscopic spectra will be emphasized. There will be two three-hour labs per week. **(0-6-2)** *Prerequisites: CHEM 2511 and CHEM 2511L*

CHEM 3602K Chemical Research 2 Credits

Supervised research including literature search, laboratory experimentation, and interpretation and presentation of results.**(0-6-2)** *Prerequisite: CHEM 2101K, CHEM 2511, CHEM 2511L, CHEM 3201K and CHEM 3411K*

CHEM 3801 Biochemistry 3 Credits

Structure and function of proteins, nucleic acids, carbohydrates, and lipids. Emphasis on mechanistic analysis of metabolic pathways and enzymes activity. *Prerequisite: CHEM 2511 and BIOL 1108*

CHEM 3801L Biochemistry Laboratory 1 Credit

It provides laboratory exercises to supplement the lecture material of CHEM 3801. This course introduces experimental biochemical and biophysical approaches for characterizing biological macromolecules. (**0**-**4**-**1**) *Prerequisite: CHEM 2511L and BIOL 1108L*

CHEM 4211 Advanced Inorganic Chemistry 3 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. **(3-0-3)** *Prerequisites: CHEM 3201K*

CHEM 4411 Advanced Physical Chemistry 3 Credits

The aim of this course is to further advance students' understanding of the principles and applications of physical chemistry. **(3-0-3)** Prerequisite*: CHEM 3411K*

CHEM 4531 Advanced Organic Chemistry 3 Credits

Survey of modern organic synthesis with emphasis on mechanism of reactions. **(3-0-3)** *Prerequisite: CHEM 2511*

CHEM 4532 Medicinal Chemistry 3 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. **(3-0-3)** *Prerequisites: CHEM 2511, 3801*

CHEM 4601 Polymer Chemistry 3 Credits

Chemistry of polymers and the chemical and physical properties of polymers are discussed. Molecular weight characterization, structure and morphology and fabrication of polymer.**(3-0-3)** *Prerequisites: CHEM 2511, 3401*

CHEM 4601L Polymer Chemistry Lab 1 Credit

Lab taken concurrently with CHEM 4601.**(0-4-1)** *Prerequisite: CHEM 2511L*

CHEM 4801 Advanced Biochemistry 3 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**. (3-0-3)** *Prerequisite: CHEM 3801*

CHEM 4801L Advanced Biochemistry Laboratory 1 Credit

This course is a continuation of Chem3801L (Biochemistry Laboratory) intended for chemistry, forensic science, and other life science students. The topics of this course cover modern experimental and computational biochemical approaches employed for life science research: recombinant DNA methods, protein expression and purification, protein characterization, and bioinformatics tools. (**0**-**4**-**1**) *Prerequisite: CHEM 3801L; concurrent enrollment of CHEM 4811*

CHEM 4901 **Chemical Seminar** **1 Credit**
Modern development in specific subdivisions of the field of chemistry. **(1-0-1)** Prerequisite: Junior or senior standing

CHEM 4902 **Special Topics in Chemistry** **3 Credits**
Discussion of current topics in organic, analytical, physical chemistry, biochemistry, or polymer chemistry. **(3-0-3)**

Civil Engineering Technology

CIVT 3101K **Surveying** **4 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. **(3-2-4)** *Prerequisites: MATH 1113*

CIVT 3201K **Civil Engineering Materials** **3 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. **(2-2-3)** *Prerequisite: MATH 1113*

CIVT 3211 **Construction Estimating & 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. **(3-0-3) Prerequisite***: CIVT 3201K*

CIVT 3301K **Fluid Mechanics** **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 or ENGR 2201) and MATH 2111*

CIVT 3311 **Engineering Hydrology** **3 Credits**
Hydrologic cycle; water budget; precipitation data analysis; evaporation & transpiration; hydraulics of groundwater flow; equilibrium and non-equilibrium conditions; groundwater exploration; surface runoff; hydrograph analysis; flood routing; hydrological forecasting; and computer applications. *Prerequisite: CIVT 3301K*

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, CIVT 3201K, MATH 2111, and (ENGT 2101K or ENGR 2770)*

CIVT 3501 **Civil Engineering Computing Practices** **3 Credits**

A study of civil engineering software applications utilizing latest software packages. Emphasis will be on software that is used in local industry and the department of transportation. Course content will vary based on software packages used in the class. **(2-2-3)** *Prerequisites: Junior Standing or Consent of the Instructor*

CIVT 3601K **Soil Mechanics & Foundation Design** **4 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. **(3-2-4)** *Prerequisites: CIVT 3201K and 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. **(4-0-4)** *Prerequisites: ENGT 3601*

CIVT 4101K **Steel Design** **4 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. **(3-2-4)** *Prerequisites: CIVT 3701, and (ENGT 2101K or ENGR 2770)*

CIVT 4111K **Reinforced Concrete Design** **4 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. **(3-2-4)** *Prerequisites: CIVT 3701, and (ENGT 2102K or ENGR 2770)*

CIVT 4201K **Environmental Engineering I** **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: CIVT 3311*

CIVT 4211K **Environmental Engineering II** **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. **(3-0-3) Prerequisite***: CIVT4201K*

CIVT 4350 **Civil and Environmental Systems Engineering** **3 Credits**

Introduction to application of systems approach and modeling techniques to problems in civil and environmental engineering. **(3-0-3)** Prerequisite*: CIVT 3211, ENGT3701*

ENGT 4401 **Senior Design/Capstone** **3 Credits**

The senior design project course provides an opportunity for the students to work individually or in a team, based on their interest in areas such as Structural, Geotechnical, Environmental or Highway. Students will identify, explore, and analyze real-life problems. The

project may involve field exposure, data collection, working with field professionals, laboratory use, design, and computer analysis. Each team is required to present their project orally as well as submit a written report to support their design work. **(3-0-3)**
Prerequisite: CIVT 4211K; CIVT 4111K; CIVT 4101K; CIVT 3601K; or CIVT 3401K

College of Science and Technology Integrative Courses

COST 1140 Coastal Hazards and Environmental Risk 3 Credits
Students will be introduced to major coastal processes and issues including interactions between land and water as well as humans and the coast. They will also study coastal hazards, risk perception, and vulnerability as they are familiarized with the major elements of Environmental Justice. This course will target students working toward completion of requirements for the Certificate in Coastal Risk, Management, and Environmental Justice; however, it can serve as a lower-level elective for students of all majors, science-based and non-science based. Format: lecture, discussion, interactive computer-based lessons, possible field trips. (3-0-3)

COST 4140K Environmental Justice & Coastal Risk Management 4 Credits
Students will develop and implement action plans to address complex interdisciplinary issues of coastal hazards, requiring an understanding of the natural and built environments, vulnerable communities and ecosystems, environmental law, urban settings, and environmental justice in the context of the densely populated coastlines, and their unique resources and hazards. Students will assimilate the issue with the lens of management and their specific backgrounds in this interdisciplinary setting. Includes completion of one major Service Learning Project to raise awareness of at least one coastal environmental hazard toward the reduction of disproportional risk exposure. Format: use of case studies, discussion, service-learning collaborative project(s), possible field trips. (3-1-4)

Computer Science Technology

CSCI 1130 Computer & 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. **(3-0-3)**

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. **(3-0-3)**
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. **(4-0-4)** *Prerequisite*: CSCI 1301

CSCI 1371 Computing for Engineers & Scientists 3 Credits
Foundations of computing with an emphasis on design and implementation of algorithms that complement and support engineering and scientific problem solving. **(3-0-3)** *Prerequisite: MATH 1113*

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. **(4-0-4)** Prerequisite*: MATH 1113*

CSCI 2215 Perl Scripting 4 Credits
Designed to teach students how to use PERL (Practical Extraction and Reporting Language) for Web/CGI scripting.
(4-0-4) *Prerequisite: CSCI 1301*

CSCI 2231K **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. **(2-2-3)** Prerequisite*: CSCI 1301 or CSCI 1371*

CSCI 3000 **Data Structure & Algorithm Design** **3 Credits**

Introduction to computation complexities, object-oriented programming, and basic data structures; lists, stacks, trees, recursion, and graphs.
(3-0-3) *Prerequisite: CSCI 1301 and CSCI 1302*

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. **(3-0-3)** *Prerequisite: CSCI3000*

CSCI 3210 **Advanced Java** **3 Credits**

An introduction to Java and Web page programming. Students write basic Java applets. **(3-0-3)** *Prerequisites: CSCI 3000, CSCI 1610*

CSCI 3385K **Computer Network & 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. **(2-2-3 Prerequisite***: CSCI 1301 or CSCI 1371*

CSCI 4110 **Operating Systems** **3 Credits**

Study of process control, CPU scheduling, primary memory management, and secondary memory management. **(3-0-3** *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. **(3-0-3** *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. **(3-0-3** *Prerequisite: CSCI 3000*

Electronics Engineering Technology

ELET 3101K **Electric Circuit I** **4 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 include the use of various AC and DC instruments. **(3-2-4)** *Prerequisite: MATH 1113*

ELET 3111K **Electric Circuit II** **4 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. **(3-2-4)** *Prerequisite: ELET 3101K*

ELET 3201K **Electronics I** **4 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. **(3-2-4)** *Prerequisite: ELET 3101K; Co requisite: ELET 3111K*

ELET 3211K **Electronics II** **4 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. **(3-2-4)** *Prerequisite: ELET 3201K*

ELET 3301K **Digital Systems I** **4 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. **(3-2-4)** *Prerequisite: ELET 3101K*

ELET 3302K **Mechatronics** **3 Credits**

The purpose of this course is to introduce students to the growing field of mechatronics and measurement systems. **(2-2-3)** *Prerequisite: ELET 3301K*

ELET 3311K **Digital Systems II** **4 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.**(3-2-4)** *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. **(3-2-4** *Prerequisite: ELET 3301K*

ELET 3411K **Microcontrollers** **4 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. **(3-2-4)** *Prerequisite: ELET 3301K*

ELET 3501K **Control Systems** **4 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. **(3-2-4)** *Prerequisites: ELET 3111K and MATH 2111*

ELET 3511K **Electrical Machinery** **4 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. **(3-2-4)** *Prerequisite: ELET 3111K*

ELET 3701K **Data Acquisition Systems** **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: ELET3101K*

ELET 4101K **Programmable Logic Controllers** **4 Credits**

PLC, ladder logic, programming, installation, and troubleshooting of PLC systems. Sensors and their wring, I/O modules and wiring, and fundamentals of plant communications are studied. Laboratory work parallels classroom instruction.(**3-2-4)** *Prerequisite: ELET 3301K*

ELET 4401K **Industrial Electronics** **4 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. **(3-2-4)** *Prerequisites: ELET 3211K, 3311K*

ELET 4411K **Computer Electronics** **3 Credits**

A study of the theory of operations of the various electronic devices and components of the microcomputer. The installation, maintenance, and troubleshooting of microcomputer peripheral is also studied. Laboratory work parallels classroom instruction. **(2-2-3)** *Prerequisite: ELET 3301K*

ELET 4412K **Instrumentation and Measurement** **3 Credits**

The purpose of this course is to provide students with basic understanding of instrumentation, sensors, analog and digital signal conditioning. Students will gain experience in designing basic measurement systems ad will become proficient in using laboratory based instrumentation and measurement devices. **(2-2-3)** *Prerequisite: ELET 3411K*

ELET 4611K **Fiber Optics** **3 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: ELET 3301K*

ELET 4612K **Industrial Automation and Process Control** **3 Credits**

An introduction to Industrial Automation and Process Control. The course will provide comprehensive and accessible coverage of the evolving field of mechatronics for electrical engineering technology students. Students will explore programmable logic controllers, sensors, robotics, process control, and computer numerical control machines – all which are fundamental to the understanding of Industrial Automation and Process Control. **(2-2-3)**. *Prerequisites: ELET 3302K,ELET 4101K*

ELET 4621K **Digital Communications** **4 Credits**

Sampling, coding, decoding, and digital multiplexing. The course will also cover the networking essential concepts, with emphasis on Microsoft Networking system. **(3-2-4)** *Prerequisite: ELET3311K*

ENGT 4401 **Senior Design/Capstone** **3 Credit**

The senior design project course provides an opportunity for the students to work individually or in a team, based on their interest in areas such as Analog/Digital, Communication, Control, Embedded and Power Systems. Students will identify, explore, and analyze real-life problems. The project may involve field exposure, data collection, working with field professionals, laboratory use, design, and computer analysis. Each team is required to present their project orally as well as submit a written report to support their design work. **(3-0-3)** *Prerequisite: ELET 3411K; ELET 3701K; ELET 3311K; ELET 3211K*

Engineering

ENGR 1101 Introduction to Engineering 1 Credit
The course consists of material and learning activities that would build and sustain the interest of the student in engineering and that would produce behavioral modification in the student to adequately prepare him/her for a successful academic career in engineering.

ENGR 2001 Principles & Applications of Engineering Materials 3 Credits
The structure-property-processing-performance relationships of engineering materials are described. Materials selection is treated as a part of engineering design. **(3-0-3)** *Prerequisites: CHEM 1211 and 1211L*

ENGR 2016 Computing 3 Credits
This course encompasses numerical analysis/methods techniques for solving engineering problems using software development. Topics include sources of error in computing, the use of modular software design, basic numerical methods, and optimization. **(3-0-3)** *Prerequisites: CSCI 1371 and MATH 3101*

ENGR 2025 Introduction to Signal Processing 4 Credits
Introduction to signal processing for discrete-time and continuous-time signals. Filtering. Frequency Response. Fourier Transform. Z Transform. Laboratory emphasizes computer-based signal processing. **(3-3-4)** *Prerequisites: MATH 2111 or MATH 2511, and CSCI 1371*

ENGR 2030 Introduction to Computer Engineering 3 Credits
Computer system and digital design principles. Architectural concepts, software, Boolean algebra, number systems, combinational datapath elements, sequential logic, and storage elements. Design of DRAM control and I/O bus. **(3-0-3)** *Prerequisite: CSCI 1371*

ENGR 2031 Digital Design Lab 2 Credits
Design and implementation of digital systems, including a team design project. CAD tools, project design methodologies, logic synthesis, and assembly language programming. **(1-3-2)** *Prerequisite: ENGR 2030*

ENGR 2040 Circuit Analysis 3 Credits
Basic concepts of DC and AC circuit theory and analysis. **(3-0-3)** *Prerequisites: ENGR 2025, PHYS 2212, and MATH 3301*

ENGR 2110 Creative Decisions & Design 3 Credits
To learn fundamental techniques for creating, analyzing, synthesizing, and implementing design solutions to open ended problems with flexibility, adaptability, and creativity through team and individual efforts. **(2-3-3)** *Prerequisites: ENGR 2770 and CSCI 1371*

ENGR 2201 Statics for Engineers 3 Credits
Elements of statics in two and three dimensions, centroids, and friction, analysis of structures, and moments of inertia. **(3-0-3)***Prerequisites: MATH 2111 and PHYS 2211*

ENGR 2202 Dynamics of Rigid Bodies 3 Credits
Kinematics and dynamics of particles and rigid bodies in one, two, and three dimensions. Work-energy and impulse-momentum concepts. **(3-0-3)** Prerequisites: ENGR 2201 and CSCI 1371

ENGR 2770 Introduction to Engineering Graphics & Visualization 3 Credits
Engineering graphics and visualization including sketching, line drawing, simple wire frame, and solid modeling. Development and interpretation of drawings and specifications for the product realization. **(2-3-3)** *Prerequisite: MATH 1113*

ENGR 3001 **Mechanics of Deformable Bodies** **3 Credits**
Stress and strain, axially loaded members, torsion of circular members, bending of beams, transformation of stress and strain and column buckling. **(3-0-3)** *Prerequisites: ENGR 2201 and MATH 3301*

ENGR 3322 **Engineering Thermodynamics** **3 Credits**
Introduction to thermodynamics. Thermodynamic properties, energy and mass conservation, entropy and the second law. Second-law analysis of thermodynamic systems, gas cycles, vapor cycles. **(3-0-3)** *Prerequisites: PHYS 2211, MATH 3301, and CSCI 1371*

ENGR 3770 **Statistics & Applications** **3 Credits**
Introduction to probability, probability distributions, point estimation, confidence intervals, hypothesis testing, linear regression, and analysis of variance. Also applications in the engineering planning and Design are discussed. **(3-0-3)** *Prerequisite: MATH 2111or MATH 2511*

Engineering Technology

ENGT 2101K **Computer Graphics** **3 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 2201 **Technical Writing** **2 Credits**
Covers fundamentals of writing technical reports and research papers; illustrating technical data; making oral presentations; and participating in group communications. *Prerequisite: Junior Standing*

ENGT 2803 **Introduction to Renewable Energy Entrepreneurship** **3 Credits**
The course is primarily based on case studies and business planning. There are two broad themes to the class. In the first part we focus on the process of creating entrepreneurial companies. We will examine business issues of identifying opportunities in energy and environment, implementing strategies, and formulating and implementing the business plans. In the second part, we focus more specifically on the challenges of raising funds, dealing with investors and exploring issues in renewable (solar) energy and environment. We will occasionally change our perspective then, looking at the process from an investor's perspective.

ENGT 3101 **Statics** **3 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. **(3-0-3)** *Prerequisites: MATH 1113, & (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**. (3-2-4)** *Prerequisite: MATH 2111*

ENGT 3301 **Quality Control** **3 Credits**
A study of statistics, probability, control charts for variables and attributes, and acceptance sampling plans. **(3-2-4)** *Prerequisite: MATH 2111*

ENGT 3501 **Dynamics** **2 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. **(2-0-2)** *Prerequisites: (ENGT 3101 or ENGR 2201) and MATH 2101*

ENGT 3601 **Strength of Materials** **3 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. **(3-0-3)** *Prerequisites: (ENGT 3101 or ENGR 2201) and MATH 2111*

ENGT 3701 **Engineering Economy** **3 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. **(1-2-2)** Prerequisites*: MATH 1113, permission of the instructor*

ENGT 4903 **Special Topics** **1 – 3 Credits**

A discussion of current topics in either Civil Engineering technology, Electronics Engineering technology or Computer Science technology. *Prerequisite: Senior standing or as specified by the instructor*

Environmental Science

ENVS 1140 **Environmental Issues** **3 Credits**

Survey of global environmental issues facing humankind from philosophical, sociological, historical, ecological, and technological perspectives. **(3-0-3)** *Prerequisites: none*

ENVS 2401 **Introduction to Environmental Science** **3 Credits**

Mechanism of evolution in relation to plants, animals and man, population dynamics, ecological processes, population ecology, species interactions, evolution of behavior, biomes, biogeography, pollution, and ecosystem sustainability. **(3-0-3)** *Prerequisites: none*

ENVS 2401L **Introduction to Environmental Science Lab** **1 Credit**

Lab taken concurrently with ENVS 2401.**(0-2-1)**

ENVS 3121 **Environmental Ethics** **3 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, ENVS 2401*

ENVS 3201/MSCI 4301K **Limnology** **3 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: ENVS 2401, BIOL 2401, CHEM 1211, CHEM 1212*

ENVS 3201L **Limnology Lab** **1 Credit**

Lab taken concurrently with ENVS 3201. **(0-2-1)**

ENVS 3203/MSCI 3301K **Environmental Chemistry** **3 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: ENVS 2401, CHEM 1211, CHEM 1212*

ENVS 3203L **Environmental Chemistry Lab** **1 Credit**

Lab taken concurrently with ENVS 3203.**(0-2-1)**

ENVS 3205/BIOL 3321 Environmental Microbiology 3 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 1107, BIOL 1108*

ENVS 3205L/BIOL 3321L Environmental Microbiology Lab 1 Credit
Lab taken concurrently with ENVS 3205.**(0-2-1)**

ENVS 3301 Environmental Radiation 3 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*

ENVS 3301L Environmental Radiation Lab 1 Credit
Lab taken concurrently with ENVS 3301.**(0-2-1)**

ENVS 3621/BIOL 3621 Environmental Health and Hygiene 3 Credits
Human exposure and health effects of chemicals, occupational health hazards, regulatory safety procedures, management requirements, disease vectors, food and housing sanitation risk assessment, principles of industrial hygiene. **(3-0-3)** *Prerequisites: ENVS 2401, BIOL 1107, BIOL 1108*

ENVS 4101/MSCI 4401K Contaminant Hydrology 3 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*

ENVS 4101L Contaminant Hydrology Lab 1 Credit
Lab taken concurrently with ENVS 4101.**(0-2-1)**

ENVS 4121/POLS 4101 Environmental Law 3 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: ENVS 2401, ENVS 3121*

ENVS 4202 Principles of Ecotoxicology 3 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: ENVS 2401, CHEM 2501*

ENVS 4301 Solid and Hazardous Waste Management 3 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: ENVS 3203, CHEM 2501*

ENVS 4401 Environmental Impact Assessment 3 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: ENVS 2401, ENVS 3121*

ENVS 4801/MSCI 4902 Internship 2 Credits
Supervised training, apprenticeship, and experience with an appropriate agency, written internship report, and report presentation**. (1-0-1)** *Prerequisite: Senior Standing*

ENVS 4901/MSCI 4901 Environmental Synthesis Seminar 1 Credit
Most updated environmental literature search, research methodology, synthesis, manuscript preparation, and seminar presentation. **(1-0-1)** *Prerequisite: Senior Standing*

ENVS 4910 **Special Topics** **3 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 1101 **Introduction to Forensic Science** **3 Credits**

An introduction to forensic science from a chemist's perspective; basic principles of chemistry and their application to forensic science; evidence collection and preservation, drugs of abuse, poisons, arson investigations, explosives and DNA analysis. ***Prerequisites:*** *Reading 0099 and Math 0099*

FSCI 3001 **Computer Forensics** **3 Credits**

This course introduces students to the technical and legal aspects of electronic evidence and the computer forensic investigative process. Topics covered include the discovery and recovery of electronic evidence stored on or transmitted by computers, networks, and cellular devices. Students will learn how computer forensics increasingly plays a role in investigations of both traditional and cyber-crimes.

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. **(3-0-3)**

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: CHEM 1211 or FSCI 1101*

FSCI 3301L **Principles of Forensic Science Laboratory** **1 Credit**

Lab to supplement FSCI 3301. **(0-3-1)**

FSCI 3401 **Forensic Science Research/Internship** **2 Credits**

This course involves supervised research including literature search, laboratory experimentation and investigations related to forensic science as well as interpretation and presentation of results. *Prerequisites: FSCI 3301*

FSCI 4101 **Personal Identification & DNA Fingerprinting Analysis** **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. **(3-0-3)** *Prerequisites: CHEM 2511, BIOL 1108 and FSCI 3301*

FSCI 4101L **Personal Identification & DNA Fingerprint Analysis Lab** **1 Credit**

Lab taken concurrently with FSCI 3301.(0-3-1) *Prerequisites: CHEM 2511L and BIOL 1108L*

FSCI 4201 **Drug Abuse & Drug Analysis** **3 Credits**

This course will look at the history and culture surrounding legal and illegal drug use and abuse. Factors affecting how drugs interact with The human body and the motivation for drug use will be discussed as well a key techniques and instruments required for drug analysis. Chemical, pharmacological, toxicological and pathological characteristics of commonly abused drugs, including alcohol, barbiturates, narcotics, stimulants and hallucinogens. *Prerequisites: CHEM 2511, BIOL 1108 and FSCI 3301*

FSCI 4201L **Drug Abuse & Drug Analysis** **1 Credit**

Laboratory to supplement FSCI 4201. **(0-3-1)** *Prerequisites: CHEM 2511L and BIOL 1108L*

FSCI 4301K **Forensic Toxicology** **4 Credits**

This course will provide the principles and techniques of forensic toxicology in terms of sample preparation, the various analytical techniques that are used in forensic science laboratories, as well as the pharmacogenomics, pharmacokinetic and pharmacodynamics of drug action within a biological system such as the human body. For the laboratory component, students will apply the knowledge gained in lecture (the theoretical aspects) to experimentally investigate problems in forensic toxicology. Thereby, having a better understanding of how the experiments relate to real life scenarios. Sample preparation/extraction (liquid liquid extraction (LLE) and solid phase extraction (SPE)), analytical techniques (high performance chromatography (HPLC) Gas chromatography (GC), immunoassays and other techniques are covered in this course. ***Prerequisites:*** FSC1 3301 (lecture and lab), BIOL 1108 (lecture and lab) and CHEM 2511 (lecture and lab)

FSCI 4401 Crime Scene I 2 Credits

Students will participate in the development and processing of a mock crime scene. Students will process the crime scene, collect and analyze evidence, perform instrumental and chemical analyses as well as carry out general investigative procedures. Students will then submit to the instructor a written formal report based on their results. *Prerequisites: Senior standing and FSCI 3301*

FSCI 4402 Crime Scene II 2 Credits

Students will perform an extensive literature review to obtain documentation to support their results from Crime Scene I. Students will then present their findings under mock court conditions and be asked to defend these results and their hypotheses. *Prerequisites: Senior standing and FSCI 4401*

FSCI 4501 Forensic Science – Case Studies 3 Credits

This course is a series of presentations of true crime case studies, including high profile cases such as Ted Bundy, "The Night Stalker" Richard Ramirez, "The Unabomber" Theodore Kaczynski, Lee Harvey Oswald and more. Discussions will focus on the importance of forensic evidence collected, evidence validity and explanation of evidence significance to the jury. *Prerequisites: FSCI 3201 or permission from the instructor*

FSCI 4901 Forensic Science Seminar 1 Credit

This course is a series of student presentations designed to train students in the art of public presentation of scientific papers. Students will be required to search the literature for a specific topic in Forensic Science or related area using library resources including SciFinder Scholar and submit a primary and a review abstract. If the instructor approves the abstracts, the student will choose either the review or primary article for presentation. *Prerequisites: FSCI 3301and junior standing*

Industrial Technology Management

INTM 3101 Motion & 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 & 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 Sciences

MSCI 1501K **Introduction to Marine Biology** **4 Credits**

Introduction to the form, function, classification, and ecology of marine organisms and ocean literacy principles. Ocean literacy is an understanding of the ocean's influence on human kind and human kind's influence on the ocean. An ocean-literate person understands the essential principles and fundamental concepts, can communicate about the oceans in a meaningful way, and is able to make informed and responsible decisions regarding the oceans and ocean resources. **(3-2-4)** *Prerequisites - none, this course is for non-science majors*

MSCI 1701 **Introduction to Aquarium Science** **3 Credits**

An introduction to the care and maintenance of captive aquatic plants and animals. This course satisfies an Area D – Science, Math, and Technology, Option 1 (non-science major) requirement of the Core Curriculum. **(3-0-3)** *Prerequisites: None.*

MSCI 1705 **Outreach and Public Display** **2 Credits**

An introduction to effective oral, written, and graphical communication of scientific concepts to the public. This course includes a student practicum experience conducting public education and outreach activities. This course partially satisfies the requirements for the Aquarium Certificate. **(2-0-2)** *Prerequisites: None.*

MSCI 1810K **Marine Biology** **4 Credits**

Introduction to the physiology, morphology, taxonomy, and ecology of marine organisms and their role in oceanographic processes. **(3-2-4)** *Prerequisites: none*

MSCI 2010K **Introduction to Oceanography** **4 Credits**

An introduction to physical, chemical and geological oceanography. (3-2-4) *Prerequisites: none*

MSCI 2701K **Aquarium Systems I** **4 Credits**

Overview of the important physical, chemical, and biological components necessary to maintain a healthy captive environment. Emphasis is placed on knowledge of the cultured organism and recreating natural environments, within the limitations of current technologies. Introduces water filtration techniques and environmental maintenance strategies. Laboratories introduce common analytical techniques, culture maintenance and observation over the semester. *Pre-requisites: MSCI 2010K Oceanography or taken concurrently with instructor's permission.*

MSCI 2702K **Aquarium Systems II** **4 Credits**

A detailed investigation of aquatic maintenance systems, water filtration, wastewater treatment in small- and large-scale aquaria. Fundamental physical, chemical, and biological properties modified by these systems are discussed. Emphasis is placed on developing a working knowledge of the equipment necessary to maintain healthy aquatic environments. Overview of techniques to promote reproduction and sustaining long-term and multi-generational culture. Discusses current research improving high-density culture of

commercial species. Laboratory experiences will include analytical techniques, equipment maintenance and repair, active culture maintenance over the semester. *Prerequisites: MSCI 2701K Aquarium Systems I*

MSCI 2902 Aquarium Science Internship 8 Credits
Internship with an aquaculture facility providing the student a keystone experience in the Aquarium Science Certificate Program, combining fundamental instructional knowledge with practical employment experiences in the field. *Prerequisites: MSCI 2702K Aquarium Systems II*

MSCI 3301K Marine Environmental Chemistry & Analysis 4 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. **(3-2-4)** *Prerequisites: CHEM 1212 or MSCI 2010.*

MSCI 3401K Invertebrate Zoology 4 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. **(3-2-4)** *Prerequisite: BIOL 1108 +L or MSCI 1810K*

MSCI 3501K Ichthyology 4 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.**(3-2-4)** *Prerequisites: BIOL 1108+L or MSCI 1810K*

MSCI 3702 Introduction to Geographical Information Systems 3 Credits
This course will develop student skills in GIS and demonstrate its interdisciplinary applications in marine sciences, city planning, and engineering and will serve as a required course for undergraduate interns in the NOAA-funded program, "Habitat Restoration and Land Use Monitoring Using GIS Technology: A Student Training Program" and as an elective in marine science and engineering. **(3-0-3)**

MSCI 3901 Technical Writing & 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, reports, articles, and abstracts. Introduces the application and practical capabilities of computers, word processing, and integrated software.**(3-0-3)** *Prerequisite: ENGL 1102, prior science coursework, junior standing preferred*

MSCI 4201K Marine Ecology 4 Credits
The principles of ecology related to marine and estuarine ecosystems. Theoretical population dynamics, age distributions, competition, and predation are discussed. **(3-2-4)** *Prerequisites: MSCI 1810K, 2010K, and 3301K; or ENVS 3203*

MSCI 4350K Biological Oceanography 4 Credits
Consideration of biological features and processes within oceanic environments including plankton biology, oceanographic nutrient cycles, food webs and energy flow, pelagic and benthic community dynamics, bio-physical interactions, biogeography, and field and **remote sensing methods. (3-1-4)** ***Prerequisites: MSCI 1810K, MSCI 2010K, and junior standing***

MSCI 4401K Marine Sediments 4 Credits
Students will learn the concepts of sedimentology, stratigraphy, and paleoceanography in a regional context by exploring sedimentary environments along a transect from the Appalachian Mountains to the Mid-Atlantic Ridge. **(3-2-4)** *Prerequisites: MSCI 2010K or ENVS 1121K*

MSCI 4447 Marine Mammalogy 3 Credits
An introduction to the biology of marine mammals, including cetaceans, pinnipeds, sirenians, and sea otters. Topics covered include

evolution, physiology, behavior, and ecology of marine mammals. Particular attention is paid to current topics in the management and conservation of marine mammals. **(3-0-3)** *Prerequisites: Junior standing; MSCI 1810K or BIOL 1108+L)*

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: MSCI 1810K and 2010K*

MSCI 4572 Oceanographic Instrumentation 3 Credits

Undergraduate introduction to oceanographic instrumentation commonly used aboard oceanographic research vessels, by marine laboratories, and remote sensing platforms. Discusses the physical, chemical, electrical, acoustic and mechanical basis for these instruments'operation. Presents common practices for shipboard operation and at-sea research data collection. **(3-0-3)** *Prerequisites: BIOL 1108/1108L; MSCI 2010K; or ENVS 2401/2401L*

MSCI 4601 Marine Conservation Biology 3 Credits

This course covers the principles of conservation biology and applies them to examples in marine systems. Students will learn how to measure marine biodiversity, analyze threats, and develop mechanisms to conserve marine biodiversity. **(3-0-3)** *Prerequisites: BIOL1108+L or MSCI 1810K*

MSCI 4851 Special Topics 1-3 Credits

Content to be determined each semester. May be repeated. **Variable credit. ((1-3)-0-(1-3))**

MSCI 4901 Senior Seminar 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 3901 (or concurrent enrollment in MSCI 3901)*

MSCI 4902 Senior Research/Internship 1-3 Credits

A research project under faculty supervision, which includes researching the background on a given problem, defining a hypothesis, and planning and executing experiments. A written report/manuscript and oral presentation are required. *Prerequisite: Junior standing, MSCI 4901 (may be concurrent enrollment), and consent of faculty advisor*

MSCI 4903 Senior Research/Internship II 1-3 Credits

This class is intended as a continuation of research or internship activities from MSCI 4902. Consent of instructor and the faculty advisor are required. *Prerequisite: MSCI 4902 (may be concurrently).*

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 3 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 500 on the SAT or equivalent ACT score*

MATH 1501 Precalculus for Engineers 4 Credits
Analytical geometry, the function concept, polynomials, exponential, logarithms, trigonometric functions, mathematical induction, and the theory of equations**. (3-2-4)**

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 1113 or MATH 2101*

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 2101*

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 ENGR1113K*

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 2101 or 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 2111 or MATH 2511*

MATH 3000 Introduction to Bio-Statistics 3 Credits
This course is specifically designed to strengthen the biomedical/behavioral science research competencies and skills of Savannah State University students and to help them progress to biomedical/behavioral science research careers. This course examines all aspects of basic Biostatistics needed by the students and researchers who are majoring in biomedical/behavioral science areas. Greater emphasis will be focused towards the development of critical thinking skills and health disparity data analysis applications with computer software. *Prerequisite: MATH 1113*

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*

MATH 3201 Probability & 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, prepositional 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 2121*

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 2121*

MATH 3501 Numerical Analysis 3 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*

MATH 3602 Linear & Discrete Mathematics 4 Credits
Basics of sequences and rates of growth, counting methods, graph theory and graph algorithms, linear algebra, linear programming, and combinatorial optimization.**(3-2-4)** *Prerequisite: MATH 2121*

MATH 4101 Abstract Algebra I 3 Credits
Introductions to groups, subgroups, homomorphisms, isomorphisms, cyclic groups, permutation groups, direct products, Abelian groups, and Sylow's theorem. *Prerequisite: MATH 3211*

MATH 4111 Abstract Algebra II 3 Credits
A course exploring the theory of rings, fields, integral domains, and vector spaces. *Prerequisite: MATH 4101*

MATH 4201 Analysis I 3 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 3211*

MATH 4211 Analysis II 3 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 Analysis 3 Credits
Topics include complex numbers, elementary functions, analytic functions, complex integration, Laurant and Taylor series, residues, conformal mapping, and applications. *Prerequisite: MATH 2121*

MATH 4301 Survey of Partial Differential Equations 3 Credits

The course is designed to provide an introduction to some elementary partial differential equations. A number of applications to actual problems will be discussed. Students will also further develop their programming skills in MATLAB, and will use them to solve a range of problems introduced during lectures. *Prerequisites: MATH 2121 and MATH 3301*

MATH 4311 Probability & Statistics II 3 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 3201*

MATH 4401 Number Theory 3 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 Methods 3 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 Analysis 3 Credits
Topics include matrix algebra, simple linear regression, residual analysis techniques, multiple regression, nonlinear regression, dummy variables, and influence statistics. *Prerequisites: MATH 3101 or MATH 4311*

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 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 Credit
A course to develop students' use of mathematical skills and a chance to explore a mathematical concept in-depth. *Prerequisite: Junior Standing*

MATH 4902 Senior Research/Internship 3 Credits
A course to develop students' use of mathematical skills and a chance to explore a mathematical concept in-depth. *Prerequisite: Junior Standing*

MATH 4904 Special Topics 1-3 Credits
A discussion of current topics in mathematics. *Prerequisite: Senior standing or as specified by the instructor*

Mechanical Engineering

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 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*

Military Science

MILS 1101 **Introduction to Military Science & Skills Development** **2 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 betaken concurrently. **(1-1-2)**

MILS 1102 **Basic Military Leadership** **2 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 2001 **Evolution of Warfare** **2 Credits**

Science and art of warfare as practiced by American military leaders from the French and Indian Wars through present times. The role of the US Army is also examined in its social, economic, and political contexts.

MILS 2201 **Basic Military Skills** **2 Credits**

Instruction and practical exercises covering basic skills necessary as future leader in the U.S. Army. Includes the following subjects: land navigation and map reading, basic first aid, survival and communications. **(2-1-2)**

MILS 2202 **Basic Military Tactics** **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 communication techniques; and introduction to troop leading procedures. **(2-1-2)**

MILS 2250 **Basic Field Internship Ft. Knox, KY** **5 Credits**

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 & 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 & 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 Ft. Lewis, WA** **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 & 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** **3 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**: 3.00 Lab: 00

NSCI 1002 **Seapower & Maritime Affairs** **3 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:** 00

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

NSCI 2101 **Naval Ships Systems I Engineering** **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:** 3.00Lab**:** 00

NSCI 2102 **Leadership & Management** **3 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:** 00

NSCI 3003 Navigation 3 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.

NSCI 3004 Naval Operations & Seamanship 3 Credits

A study of basic naval command and control, forms of naval communications to include visual, radiotelephone and satellite systems. Students will know basic terms, equipment procedures and safety precautions used for replenishment at sea (UNREP). A study of controllable and non-controllable forces in ship handling, and comprehends relative motion and demonstrates capability to solve problems associated with relative motion. Students will also know the principle rules for maneuvering ships in formations and the use of tactical publications. Understand in port and at sea watch organization and procedures. *Prerequisite: NSCI 3003 Navigation* **Lecture:** 2.00 Lab: 1.00

NSCI 3101 Evolution of Warfare 3 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:** 3.00 **Lab:** 00

NSCI 4001 Naval Ships Systems II Weapons 3 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:** .00

NSCI 4050 Naval Drill 0 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:** .00 **Lab:** 0.00

NSCI 4102 Amphibious Warfare 3 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:** 3.00 **Lab:** .00 **Restrictions:** Must be a Junior or Senior

NSCI 4104 Leadership & Ethics 3 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. Prerequisite: NSCI 2102 **Lecture:** 3.00 **Lab:** .00

Physical Sciences

ENVR 3101K **Environmental Radiation** **4 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 MATH 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 & 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 thermo-chemistry, Joule-Thomas experiment, entropy functions, free energy, phase rule. *Prerequisite: PHYS 2211K*

PHYS 3121 **Optics** **3 Credits**
Advanced topics in optics; a continuation of PHYS 2212K. *Prerequisite: PHYS 2212K*

PHYS 3131 **Magnetism & Electricity** **3 Credits**
Advanced topics in electricity and magnetism; a continuation of PHYS 2212K. *Prerequisite: 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*

University College/Center for Academic Success

Student Academic Assistance Program (Learning Support)

Mathematics

Math 0987 – Foundations for Quantitative Reasoning (4 Credit hours). This course prepares students for entry into Quantitative Reasoning (MATH 1001). Topics may include numeracy, proportional reasoning, algebraic reasoning, modeling via functions, and skills for mathematical success. Institutional credit only. Placement in MATH 0987 is determined by COMPASS/Math Placement Index scores, and this course is mandatory for students whose placement scores require it.

Math 0989 – Foundations for College Algebra (4 Credit hours). The purpose of this course is to prepare students for entry into College Algebra (MATH 1111). This course provides detailed review of the fundamental concepts in mathematics including integers, decimals, fractions, exponents, percent, ratios and proportions. Algebraic expressions and solutions to equations with applications will be covered. Polynomials, factoring, radical and fractional exponents and graphing linear equations will be discussed in great detail. Institutional credit only.

Math 0997 – Support for Quantitative Reasoning (2 Credit hours). A course designed to help student simultaneously address learning support mathematics requirement and complete an area A mathematics course, MATH 1001. This course is designed to support a student taking MATH 1001 with just in time assistance. Topics will parallel topics being studies in MATH 1001 that included: Sets and Set Operations, Logic, Basic Probability, Data Analysis, Modeling from Data (Scatter Plots, Regression Lines).

Math 0999 – Support for College Algebra (2 Credit hours). A course designed to help student simultaneously address learning support mathematics requirement and complete an Area A mathematics course, MATH 1111. This course is designed to support a student taking MATH 1111 with just in time assistance. Topics will parallel topics being studied in MATH 1111 that included: the real number system, functions and polynomials, inequalities (first and second degree), systems of equations, and operations with exponential numbers (including radicals).

English

ENGL 0989 Foundations for College English

This course is designed to prepare students for college-level reading and writing. In this course, students will use paired reading and writing assignments that will help students work with concepts in context, students will build competency in recognizing, comprehending and using appropriate grammar, vocabulary, punctuation, and structure in sentences, paragraphs and essays. ***A grade of "C" or higher indicate the student has successfully completed requirements for this course. Students who do not successfully complete the requirements for the course will receive a grade of "IP" and will remain in the 0989 level course.*** Students who pass ENGL 0989 are required to take English 0099 ***(Institutional Credit Only*)*.***

ENGL 0999 Composition Support I

This course is designed to support students who are enrolled in ENGL 1101. ENGL 0999 provides students with support and skill development to improve their readiness for the college-level writing in the co-requisite ENGL 1101. Students in ENGL 0999 will practice grammar, mechanics, usage, organization and the writing process, as well as receive individualized assistance with writing assignments for ENGL 1101. ***A grade of "C" or higher in ENGL 1101 indicate the student has completed requirements for the course***. Students who do not successfully complete the requirement for ***ENGL 1101, must re-enroll in ENGL 0999 and ENGL 1101 the next semester (Institutional Credit Only).***

School of Teacher Education

EDUC 2000 Technology in Teaching and Learning 3 Credits

This course examines the knowledge, skills, and dispositions of effective teachers. Course topics include characteristics of effective teachers; knowing your diverse students; instructional planning; differentiating instruction; teacher-centered and student-centered instructional strategies; strategies to promote student understanding, thinking, and engagement; managing lesson delivery; classroom management and discipline; assessing and reporting student performance; and working with colleagues and parents. Current use of technology will be integrated as communication and instructional tools. Verification of professional liability and a clear background check is required prior to placement in the field experience. There are 60 field experience hours in this course.

EDUC 2103 Educational Psychology 3 Credits

This course introduces psychological principles, theories, and methodologies to issues of teaching and learning in schools and investigates the primary issues and problems in educational psychology. Major theories will be examined in these realms and how we can apply these theories to become better teachers and learners. With a focus on P-12 learners, this course explains human growth and development, cognitive and linguistic development; personal, social, and moral development; individual and group differences; behaviorist views of learning; social cognitive views of learning; motivation; instructional strategies; classroom management; and assessment.

EDUC 2110 Investigating Critical and Contemporary Issues in Education 3 Credits

This course engages students in observations and interaction in schools, and analyzes critical and contemporary educational issues. Students will investigate issues influencing the social and political contexts of educational settings in Georgia and the United States. Students actively examine the teaching profession from multiple vantage points both within and outside the school. Against this backdrop, students reflect on and interpret the meaning of education and schooling in a diverse culture. Students will use current technologies, which are directly related to effective teaching, complete 15 hours of observation, and participate in appropriate school settings, (i.e. elementary/early childhood, middle grades, secondary or P-12 environments). The purpose of this course is to help students formulate a foundation for critical thinking about economic, political, technological, and cultural influences on the development of educational policy. High priority is given to student development of logical reasoning, clear writing and analytical skills in order to facilitate their study of any educational issue with an open, informed and critical eye. Students will engage in critical inquiry as a way of clarifying and addressing the pressing challenges the face American Public schools. Verification of professional liability insurance and a clear criminal background check is required prior to placement in the field experience.

EDUC 2120 Socio-Cultural Influences in Teaching and Learning 3 Credits

This course introduces teachers to fundamental knowledge of culture essential for effective teaching in increasingly diverse classrooms. Designed as a foundation course for subsequent courses focused on the preparation of culturally responsive teachers, this course examines 1) the nature and function of culture; 2) the development of individual and group cultural identity; 3) definition and implications of diversity; and 4) the influences of culture on learning, development and pedagogy. Includes 15 hours of observation and participation in an appropriate school setting-elementary/early childhood, middle grades, secondary or P-12 environments. Verification of professional liability insurance and a clear criminal background check are required prior to receiving a school placement. Time documentation, evaluation forms and reflections papers are required.

Time documentation and Evaluation forms may be found in the School of Teacher Education web page under the “Forms” tab. Students must download these forms and use them to select a school for placement (field component to this course). The Criminal Background form must be filled-out and submitted prior to school placement. Students will be unable to be placed until this step is completed. The e-portfolio is required for all education courses.

EDUC 2130 Exploring Teaching and Learning 3 Credits

This course examines the knowledge, skills, and dispositions of effective teachers. Course topics include characteristics of effective teachers; knowing your diverse students; instructional planning; differentiating instruction; teacher-centered and student-centered instructional strategies; strategies to promote student understanding, thinking, and engagement; managing lesson delivery; classroom

management and discipline; assessing and reporting student performance; and working with colleagues and parents. Current use of technology will be integrated as communication and instructional tools. Verification of professional liability and a clear background check is required prior to placement in the field experience. There are 30 field experience hours in this course.

NOTE: ENGL 1102 (Writing and Composition), EDUC 2110 (Issues in Education), EDUC 2120 (Socio-cultural Influences in Teaching and Learning, PSYC 1101(Introduction to Psychology) and EDUC 2103 (Educational Psychology) or PSYC 2103 (Human Growth & Development) are pre-requisites for EDUC 2130.

Time documentation and Evaluation forms may be found in the School of Teacher Education web page under the “Forms” tab. You must download these forms and use them when you select your school for placement (field component to this course). The Criminal Background form must be filled-out and submitted prior to school placement. You will be unable to be placed until this step is completed. The e-portfolio is required for all education courses.

EDUC 3030 Exploring Exceptional Learner 3 Credits

This course is designed to prepare candidates to work collaboratively with families and school personnel to have a positive impact on the educational, social and behavioral development of all students, including those with a full range of disabilities, in a diverse society. The course focuses on knowledge of legislative mandates for serving exceptional students, characteristics of exceptionality, best practices in facilitating teaching and learning, and accountability through assessment outcomes. There will be a 10 hour field component to this course. You cannot pass this course without it. Verification of professional liability insurance is required prior to placement in the field experience. This course fulfills Georgia HB 671 requirement.

Time documentation and Evaluation forms may be found in the School of Teacher Education web page under the "Forms" tab. You must download these forms and use them when you select your school for placement (field component to this course). The Criminal Background form must be filled-out and submitted prior to school placement. You will be unable to be placed until this step is completed. The e-portfolio is required for all education courses. *Pre-requisite: Admission to the School of Teacher Education*

EDUC 3200 Curriculum and Assessment Across Disciplines 3 Credits

This course focuses on the study of the foundations of curriculum, instructional and assessment development to include rubrics. Additionally, the course will engage students in the investigation and analysis of selected current issues, innovations and trends with an emphasis on student learning outcomes. Finally, the course will review assessment methods relative to constructing, evaluating, and interpreting tests with an understanding on reliability, valid and fair measurements; descriptive and inferential statistics; state competency testing; as well as edTPA guidelines for state program evaluations and how these results are utilized to make future curriculum decisions. Verification of professional liability insurance and a clear criminal background check is required prior to placement in the field experience. There are 60 hours field experience in this course. Post completed assignments, reflections, and other artifacts related to this course will be assessed through e-portfolio submissions in LiveText. The e-portfolio is required for all education courses. *Pre-requisite: Admission to the School of Teacher Education*

EDUC 4100 Special Problems in Education 3 Credits

This course is designed as an alternative instructional strategy to provide students and/or teacher candidates with the opportunity to investigate and analyze topics related to issues in education. In addition, students/teacher candidates work independently based on a written plan and under the instructor's general supervision to explore areas in education that may not otherwise be covered in the program of study. The course, although supervised by a faculty member, is flexible to meet the needs and learning styles of each student. Students are expected to meet all course outcomes according to the requirements outlined and described by the instructor. This is a student managed, teacher guided course.

EDUC 4475 Clinical Practice (Student Teaching) and Seminar 3 Credits

Clinical Practice (Student Teaching) is a culminating course experience in the program of study for teacher education preparation candidates. Teacher candidates will engage in 15 weeks full-time (content-specific, in field) teaching experience under the supervision of a public school collaborative teacher who is a master teacher in his/her content-specific field. This course includes regularly scheduled seminars. Teacher candidates must: (1) have proof of professional liability insurance, (2) pass a clear criminal background check, and (3) pass a drug test. These requirements must be met for teacher candidates to receive a school placement in the designated public school system. This course is also designed to meet GaPSC rule 505-3-.01 and 505-2-.16 for Teacher Preparation. The e-portfolio is required for all education courses. *Prerequisite: Admittance to the School of Teacher Education: Completed BIED, ETED, or MAED 4416 and 4417*

Biology Education Specific:

BIED 4416 Teaching and Standards in Biology Education (Grades 6-12) 3 Credits

This course is an examination and application of curricular issues, learning theories, teaching strategies, instructional materials, and assessment procedures for teaching secondary school biology in the multicultural and diverse classroom of today. The course also includes a secondary school field experience in biology teaching and seminars. The course emphasizes those practices suggested by research in biology education and encouraged by the NSTA. Verification of professional liability insurance and a clear criminal background check are required prior to receiving a school placement. There are 60 field experience hours in this course. You cannot

pass this course without completing the required field placement component for this course. You will be unable to be placed until the verification of professional liability insurance and background check steps are completed. This course is also designed to meet GaPSC rule 505-3-.01 and 505-2-.16 for Teacher Preparation. The e-portfolio is required for all education courses. *Prerequisite: Admittance into Teacher Education, 3000 level education courses. This course must be taken concurrently with BIED 4417.*

BIED 4417 Methods and Strategies for Teaching Secondary School Biology 3 Credits

The course is designed to provide teacher candidates with strategies to manage their classrooms effectively for the multicultural classroom of the 21st Century. Emphasis on learning management systems, record keeping, writing commentary, technology use, adhering to safety procedures, conducting laboratory experiments, behavior modification, and differentiation. Research-based strategies will provide teacher candidates with resources to build rapport with students, institute expectations, designing the classroom, diminish low-level behaviors, motivate students, and maximize instructional time. Verification of professional liability insurance and a clear criminal background check are required prior to receiving a school placement. This course is to be taken concurrently with BIED 4416. There are 60 hour field experience in this course. The e-portfolio is required for all education courses. *Prerequisite: Admittance into Teacher Education, 3000 level education courses. This course must be taken concurrently with BIED 4416.*

Civil, Electronics, and Technology Education Specific:

ETED 3000 Principles of Engineering and Technology Education 3 Credits

The purpose of this course is to offer the candidates a contextual view of education as a community of teachers and learners immersed in a complex system of institutions, norms, beliefs, regulations, and instructional practices. Interconnected to this view will be the role of Technology Education as it fits into this system. Instruction will address engineering technology standards and practice accepted as universal language within the global society. High priority is given to student skills development through hands-on laboratory experience that focus on principles in engineering technology. Students will engage in modeling activities that will connect curriculum and pedagogical methods within lecture and laboratory environments. There are 15 field experience hours in this course. Verification of professional liability insurance and a clear criminal background check is required prior to placement in the field experience. The e-portfolio is required for all education courses. *Prerequisite: Admittance into Teacher Education.*

ETED 4416 Teaching and Standards in Engineering and Technology Education 3 Credits

This course examines the philosophy, mission, vision, goals, content standards, and teaching methods of Engineering and Technology Education. The Georgia State program standards and curricula, teaching and learning strategies, core technologies, performance-based instruction, and student assessment are also covered. Integrating core academic knowledge and skills, and the professional roles and responsibilities of Engineering and Technology Education teachers within the total school community at the secondary level are discussed. This course is designed to give engineering and technology education students' specialty knowledge and professional knowledge in the area of integrating technology into school curriculums. The teacher as a cognitive mediator, communicator, researcher, manager, and evaluator will be considered in the content of this course. Content, management and teaching strategies are examined. Emphasis will be placed on lesson delivery, classroom management, and teaching and learning styles. There are 60 field experience hours in this course. You cannot pass this course without it. Verification of professional liability insurance and a clear criminal background check is required prior to placement in the field experience. The e-portfolio is required for all education courses. *Prerequisite: Admittance into Teacher Education, and all 3000 level education courses. This course must be taken concurrently with ETED 4417.*

ETED 4417 Methods and Strategies for Teaching P-12 Engineering and Technology Education 3 Credits

The course is designed to provide teacher candidates with strategies to manage their technology education classrooms effectively for the 21st Century in order to decrease disturbances and increase instructional time. Teacher candidates will learn techniques for developing rapport with students, instituting expectations, designing their classroom, adhering to OSHA safety standards, responding aptly to inappropriate behavior, while utilizing self-directed behavior modification. Research-based strategies will provide teacher candidates with resources to diminish low-level behaviors, motivate students, and maximize instructional time. There are 60 field experience hours in this course. You cannot pass this course without it. Verification of professional liability insurance and a clear criminal background check is required prior to placement in the field experience. *Prerequisite: Admittance into Teacher Education, and all 3000 level education courses. This course must be taken concurrently with ETED 4416.*

Mathematics Education Specific:

MAED 4416 Teaching and Standards in Mathematics Education 3 Credits

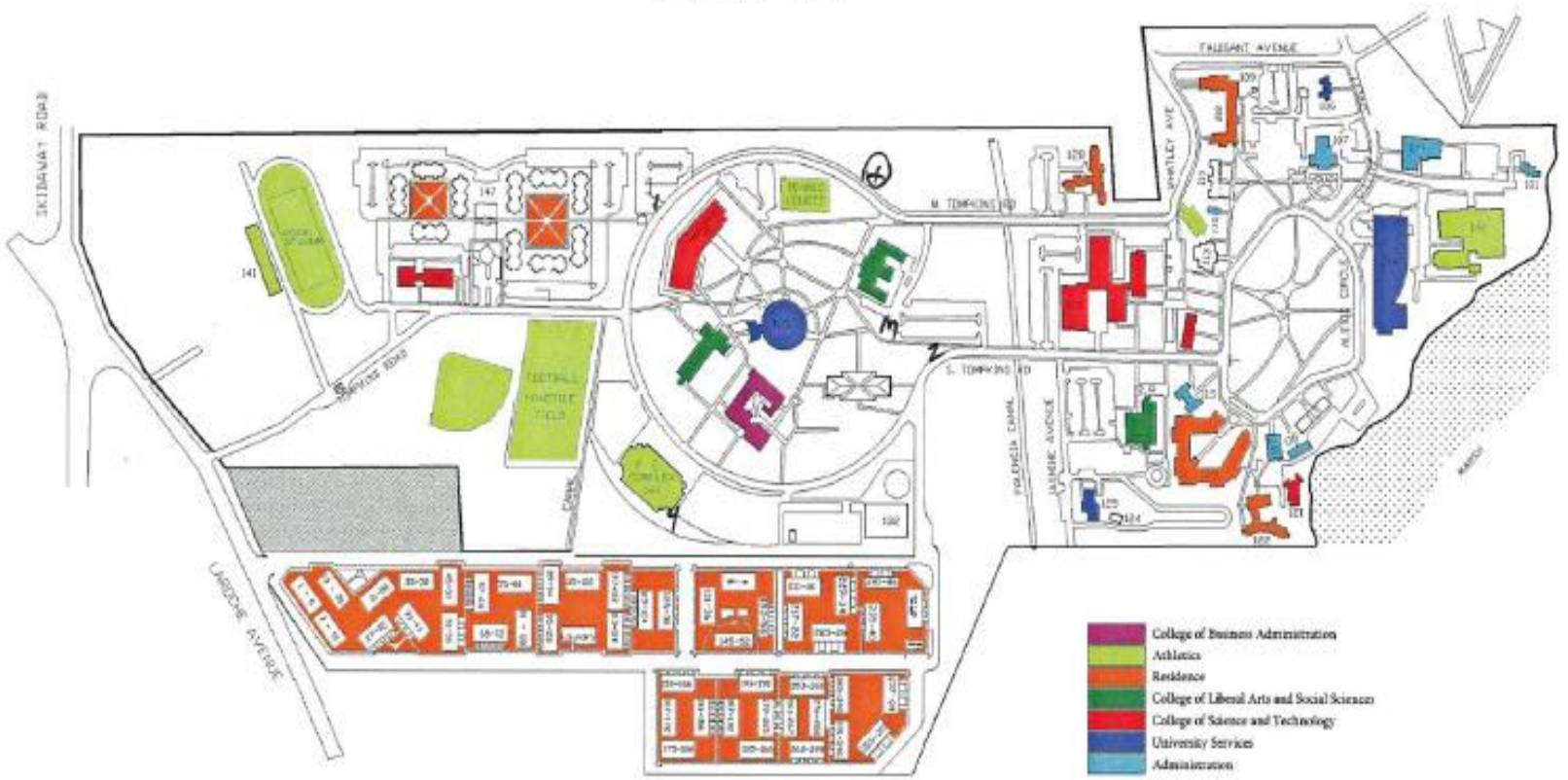
The course is an exploration of the fundamental issues and practices associated with teaching secondary mathematics. Beginning with a review of the current state standards and NCTM Principles and Standards, participants examine aspects of math classroom practice from various perspectives. Through observations, interaction and discussion, students review lesson planning, instructional models, differentiation methods, technology infusion and assessment methods for middle and high school mathematics classrooms. Verification of professional liability insurance and a clear criminal background check is required prior to placement in the field experience. There are 60 field experience hours in this course. Taken concurrently with MAED 4417. You will be unable to select a school for placement until this step is completed. This course is also designed to meet GaPSC rule 505-3-.01 and 505-2-.16 for Teacher Preparation. The e-portfolio is required for all education courses. *Pre-requisites: Admittance to the School of Teacher Education, and all 3000 level education courses. This course must be taken concurrently with MAED 4417.*

MAED 4417 Methods and Strategies for Teaching Secondary School Mathematics 3 Credits

The course will examine the strategies that can be used to create an effective 21st Century learning environment. The goal is to equip the students with certain core competencies such as collaboration, digital literacy, critical thinking, and problem solving. The course will also examine strategies and skills to engage creatively mathematics students and master teaching and assessment techniques appropriate for the implementation of the current math state standards. Verification of professional liability insurance and a clear criminal background check is required prior to placement in the field experience. There are 60 field experience hours in this course. Taken concurrently with MAED 4416. The e-portfolio is required for all education courses. *Pre-requisites: Admittance to the School of Teacher Education, and all 3000 level education courses. This course must be taken concurrently with MAED 4416.*

All students must earn a minimum grade of “C” in all courses specified as major/or minor requirements for their degree. Students enrolled in the Program of Mathematics Education 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.

SAVANNAH STATE UNIVERSITY
CAMPUS MAP



LEGEND

101- GARDNER HALL
102- WILEY-WILCOX GYM
103- COLSTON ADMINISTRATION
104- KING FRAZIER STUDENT CENTER
105- INFORMATION HOUSE
106- HODGE HALL
107- HILL HALL
109- LIFT STATION
110- PEACOCK RESIDENT HALL
111- MORGAN HALL
112- MORGAN ANNEX
113- ADAMS HALL
114- HERTY HALL
115- POWELL HALL
117- HAMMOND HALL
118- PUBLIC SAFETY
119- C. HUBERT RESIDENT HALL
121- MARINE BIOLOGY
122- BOWEN-SMITH RESIDENT HALL
124- COTTAGE 9
125- HEALTH CLINIC
126- PAYNE HALL
127- HUBERT TECH SCIENCE
128- BOSTIC RESIDENT HALL
129- J. F. KENNEDY FINE ARTS
131- PUMP HOUSE
132- EVERS PHYSICAL PLANT
134- JORDAN BUSINESS SCHOOL
135- A.H. GORDAN LIBRARY
136- WHITING HALL
137- DREW-GRIFFITH SCIENCE
140- NROTC AND FIELD HOUSE
141- T.A. WRIGHT STADIUM
144- P.E. COMPLEX
147- AMERICAN UNIVERSITY VILLAGE
149- FRESHMEN LIVING LEARING CTR.
150- UNIVERSITY COMMONS