

Savannah State University

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Undergraduate Catalog 2019 - 2020

Savannah, Georgia 31404

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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 office 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.

The University System of Georgia

The University System of Georgia operates 26 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 14 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

Interim President Kimberly Ballard-Washington B.A., University of Georgia J.D., Texas Southern University	Interim Provost & Vice President for Academic Affairs Reginald D. Leseane B.B.A., Savannah State University M.B.A Georgia Southern University E.D.D Georgia Southern University
Vice President for Student Affairs F. Carl Walton B.A., Morris Brown College M.A., Purdue University Ph.D., Purdue University	Vice President of Enrollment Management Vacant
Interim Vice President for Business & Financial Affairs Elaine Shavers Campbell B.A., Clark Atlanta University M.B.A., Savannah State University M.A.C., Georgia Southern University	Vice President for University Advancement Phillip D. Adams B.A., Saint Leo University M.S., Golden Gate University
Interim Assistant Vice President Enrollment Management/Title III Director Dedra N. Andrews B.B.A., Savannah State University M.A., Webster University Ed.D., Valdosta State University	Assistant Vice President of Institutional Research Planning and Assessment Bernard Fitzgerald Moses B.A., Shaw University M.S., Webster University Ph.D., The Union Institute and University
Chief Information Officer Vacant	Chief Human Resources Officer Jacqueline Stepherson BPA Wayne State University MBA Walden University
Chief Audit Officer Vacant	Director of Athletics Opio Mashariki B.A., Bethune-Cookman University
Chief of Staff (COS) Cynthia C. Hoke B.A, Georgia State University M.P.A., Albany State University	University Attorney and Title IX Coordinator Flora B. Devine B.S. Tennessee State University J.D., Emory University College of Law

Accreditation

Savannah State University is accredited by the Southern Association of Colleges and Schools Commission on Colleges (SACSCOC) to award the associate, baccalaureate and master's degrees. Contact the Southern Association of Colleges and Schools Commission on Colleges, at 1866 Southern Lane, Decatur, GA 30033-4097, or call (404)-679-4500 or www.sacscoc.org for questions about 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),

College of 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.

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.

In 1932, the college became a full-time degree granting institution, without high school and normal programs, and became a member of the University System of Georgia. The name of the college was changed to Georgia State College in 1936. In 1950, the name of the college was changed to Savannah State College and in 1996, the name was changed to Savannah State University.

Though its earliest academic programs were centered on agriculture, commerce and industrial and vocational trades, today's curriculum is focused on science, research, business, liberal arts, teacher preparation and global citizenship.

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, Ed.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 Davenport Dozier, DSW, Interim 2011-2012
Cheryl Davenport Dozier, DSW, 2012-2019	Kimberly Ballard-Washington, J.D., Interim 2019-Present	

Location

Savannah State University is located approximately five miles east-southeast from the center of beautiful, historic Savannah, the original European settlement in 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 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.

Savannah State University expanded its footprint into historic downtown Savannah on July 1, 2018, with its assumption of management and operations at the Coastal Georgia Center. The center offers a convenient, versatile and affordable environment for academic courses, as well as meetings, conferences and symposia. This two-story facility offers wireless internet access in every room, smart classrooms and free on-site technology support to business professionals, organizations and students pursuing professional advancement, academic enrichment, and graduate, undergraduate and continuing education. The Director of Graduate Studies is responsible for providing oversight and supervision of the Savannah State University Academic West Wing of the Coastal Georgia Center (CGC), directs the recruitment, development and administration of all graduate programs, in coordination with the Graduate Program Directors. The Director provides supervision of support staff and graduate staff at the main campus and the satellite campus (Coastal Georgia Center). For more information, call 912-651-2005 or email CoastalGeorgiaCenter@Savannahstate.edu.

Savannah State University expanded its footprint into Liberty County and Hinesville, GA on February 7, 2019, with its partnership with Georgia Southern University's Liberty Campus to offer Homeland Security and Emergency Management (HSEM). The SSU HSEM program offered on our campus in Savannah is the only 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 122 hours to graduate, with 36 semester hours in major required courses and no requirement for a subject area minor. A 15-hour minor in HSEM also is available.

And now for the first time, the program is being expanded into Liberty County. Additionally, Savannah State University (SSU) is proud to announce our 18 credit-hour certificate in Virtual Forensic Science: Evidence Processing, Documentation and Analysis. Building upon the forensic sciences degree, this certificate is open to students in any major as well as those employed in law enforcement, military or an associated area of forensic science, criminal justice or homeland security.

Division of Student Affairs

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

Student Health Services is dedicated to the delivery of excellent health care, the facilitation of student learning and personal responsibility, and the continual improvement of medical services to foster growth and attitudes for the future.

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. The center, which is staffed by nurses, is open Monday through Friday. A part-time physician is also available evenings Monday through Friday. Available services include:

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

A resident student suffering from an injury or sudden illness during hours when the health center is closed should contact the residence hall staff, community 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) 358-3140.

Housing and Residence Life

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 apartment-style facilities for upper-class-level students. Residence life programs promote student development, leadership and a variety of living and learning options that compliment classroom instruction. 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.

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.

Learning communities are established in designated housing facilities for merit scholars (SSU Honors Program, externally funded scholarship recipients, e.g., NSF, NIH, etc.). As approved annually by the University, this housing includes free accommodations in the summer to allow qualifying merit scholars to participate in required research training during the summer semester.

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

Department of Student Life

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.

Organizations that are recognized at the university include:

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

Student Organizations

Achievers of Today and Tomorrow, Inc.
Alpha Kappa Alpha Sorority, Inc.
Alpha Phi Alpha Fraternity, Inc.
American Chemical Society
American Society of Civil Engineer
Art Club
Behavior Analysis Student Assoc.
Beta Beta Honor Society
Beta Gamma Sigma
Beta Kappa Chi Scientific Society
Bowen-Smith Hall Council
Cheerleading Squad
Choral Music Society
Campus Ministry
Criminal Justice Club
Delta Sigma Pi
Delta Sigma Theta Sorority, Inc.
Educators Rising
ENACTUS
Environmental Science Club
Freshman Class
Graduate Student Advisory Council
Graduate Association of Public
Administrators
Georgia Association of Educators
(GAE) Student Chapter
Graduate Student Advisory Council

Graduate Association of Public
Administrators
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 Student
Association
Master of Social Work (MSW) Student
Organization
Mathematicians in Training
Minority Student Association
Model African Union
Model United Nations
NAACP
National Council of Negro Women
National Pan-Hellenic Council
National Association of Black
Accountants
National Association of Black
Journalists
National Association of Black Social
Workers
Nontraditional Student Association

NROTC
Omega Psi Phi Fraternity, Inc.
Obsidian Dance Repitory
Phi Alpha Delta Law Fraternity, Inc.
Phi Beta Lambda
Phi Beta Sigma Fraternity, Inc.
Players by the Sea
Political Science Association
Public Relations Student Society of
America
Queens Coalition
Residence Hall Council
Science Student Alliance
Senior Class
Sigma Gamma Rho Sorority, Inc.
Social Workers Association
Social Workers of Tomorrow
Sociology Club
Society of Collegiate Journalism
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.

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
- Disorderly conduct
- Misuse of student identification cards
- Hazing and/or harassment
- Violation of the local, state and federal laws
- Possession of drugs and alcoholic beverages
- Falsification of records
- Unauthorized use of computer resources
- Unauthorized entry or use of University facilities
- Violation of residence hall visitation rules and regulations
- Possession of weapons

Disciplinary Procedures

A charge of misconduct originates with the accuser filing a written charge with the Office of Student Conduct. Any person may refer a student suspected of violating the student conduct code. Upon receipt of the charge, the Coordinator for Student Conduct 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 Coordinator will request a meeting with other necessary relevant parties on an individual basis. 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 Coordinator or the University's Student Conduct Review Board. The Coordinator will notify all persons of the time and place when they are to appear before the Board.

Student Conduct Review Board

Unless the accused elects to have the case decided by the Coordinator for Student Conduct the Student Conduct Review Board (comprised of faculty, staff and students) will adjudicate the case. If the accused chooses a hearing by the Student Conduct Review Board, the Coordinator or Investigator shall 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)

All appeals 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 Coordinator and the Hearing Body (Hearing Officer, Student Conduct Review Board or Administrative Hearing Officer). The filing of an appeal will not postpone punishments imposed there under, by the Dean of Students or the Hearing Body.

The accused may appeal on the grounds listed below. The appellant, as appropriate, may assert additional grounds.

1. 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.
2. The findings are not supported by substantial evidence, or the recommendations are not supported by the findings.
3. 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.
4. 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.

Drug 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 Sexual Misconduct 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 equal opportunity for 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.

"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. Sexual harassment 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—Sexual Misconduct

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 and prompt.

Division of 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 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 either a sealed envelope sent or electronically 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. Freshman applicants should request their high school guidance department send an official copy of their transcript. Freshman applicants who are applying for FT status who have been dually enrolled at other higher education institutions must submit the transcripts from those institutions. 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 Next-Generation 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 Evidence-Based Reading and Writing Section score of 480 (New SAT)/ 430 Critical Reading (Old SAT) and Math Section score of 440 (New SAT)/ 400 Math (Old SAT) or ACT English 17 or Reading 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) Prior to test administered March 2016

(Freshmen Index = 500 x (HSGPA) + 1.06 x (Evidence-Based Reading and Writing Section score + Math Section Score) - 74) Test administered after March 2016

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 (New) 480 Evidence-Based Reading and Writing Section and 440 Math Section

SAT I (Old) 430 Critical Reading and 400 Math

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 of 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, Earth Systems, Environmental Science, or an Advanced Placement course; and a 4 th science (some computer science courses may count as a 4 th science).
Mathematics (4)	Two courses in Algebra, one course 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

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)/ 480 Evidence-Based Reading and Writing Section (New SAT) and Math score of 400 (Old SAT)/ 440 Math Section (New SAT) or ACT of 17 English or 17 Reading, 17 Math, and 17 Composite
- A minimum of 17 units of RHSC courses

Satisfying Required High School Curriculum Deficiencies

Students who have not completed the RHSC 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 of 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. Students who took the SAT I exam and their Critical Reading or Evidence-Based Reading and Writing scores met or exceeded the average score of the first-time, full-time freshmen class of the previous year may satisfy any English deficiency.

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. Students who took the SAT I exam and their Math scores met or exceeded the average score of the first-time, full-time freshmen class of the previous year may satisfy any math deficiency.

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 RHSC 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.

Exceptions to the RHSC 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 RHSC exemptions in English and/or Math are required to sit for the Next-Generation 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 send official transcripts from all previously attended colleges or universities. Transcripts should be sent 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 admission, but may appeal to the Office of Academic Affairs.

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

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 course will be accepted as having met the respective area requirement at Savannah State University. Freshmen Experience/Orientation classes will be allowable substitutions for SSU FYE

courses. Transfer students who transfer in 30 or more hours are exempt from taking the First Year Experience course. Students must meet the overall hours to graduate but can make up the hours with elective credit.

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

Students who have completed the ninth grade in high school and who have demonstrated outstanding ability towards academic achievement will be considered for Dual Enrollment. The University will consider students for Dual Enrollment only upon recommendation from their high school counselor. To be admitted, students must satisfy all of the following criteria:

- Have a minimum Scholastic Aptitude Test (SAT I) score of 970 (combined evidence based reading and mathematics sections) with no less than 430 Critical Reading (Old SAT) 480 Evidence-Based Reading and Writing Section (New SAT), 24 Reading Test (New SAT) and 17 ACT English or 17 Reading and
- 400 Math (Old SAT) 440 Math Section (New SAT) 22 Math Test (New SAT)/17 ACT Math and ACT composite score of 20 or;
- Next Generation ACCUPLACER score of Reading 237 63, Math 258 67 and Write Placer 4
- 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 Dual Enrollment program pays for tuition and some fees books, transportation and other expenses are the responsibility of the student, including fees and expenses if not covered under the Dual Enrollment program.

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 or 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 Next-Generation 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 except for those who are in a Direct Exchange Program.

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

The Regents' Engineering Pathway Program (REPP) was established in 1986 to expand the availability of engineering education opportunities for Georgians. In its current structure, students complete two or more years of pre engineering courses at participating University System of Georgia (REPP Partner) institutions and then transfer to Georgia Institute of Technology, Georgia Southern University, Kennesaw State University, Mercer University or the University of Georgia to complete a B.S. degree in Engineering (REPP Engineering Institutions).

The freshman admission criteria for direct admission in the Regents' Engineering Pathway Program (REPP) at Savannah State University are the same as for all other freshmen. However, A minimum score of 500 SAT Math or 19 ACT Math along with a high school GPA of 3.0 or higher will allow the student to start with Pre-Calculus. Students are encouraged to complete the Associate of Science – Core Curriculum degree prior to transferring to any REPP participating institution to complete their bachelor degree. Admission and curriculum requirements vary by institution.

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 Next-Generation ACCUPLACER for placement.

Post-Baccalaureate/Non-Degree Students

Applicants who possess a baccalaureate degree from an accredited college or university may enroll as post-baccalaureate students after submitting an official college transcript showing completion of a baccalaureate degree. There is no limitation on the number of hours of undergraduate credit these students can earn.

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

Financial Aid

Applying for Financial Aid

Students applying for financial aid must complete the Free Application for Federal Student Aid (FAFSA) and list the **school code 001590**. Students may complete the FAFSA via use of the mobile app by downloading the **myStudentAid app** or visit **fafsa.gov** and do the FAFSA form on the go. Remember the FAFSA needs to be completed only once annually and is effective for both the academic year and the following summer sessions. All required documents must be uploaded within the savannahstate.verifymyfafsa.com portal by June 30th.

If the FAFSA is selected for verification, the student must complete the verification process before any awards are finalized. The Office of Financial Aid (OFA) suggests documents are uploaded promptly. Students who fail to upload required documents may become ineligible to receive certain funds from a particular program. Students will be awarded financial aid upon their admittance to the University.

Scholarships and Grants

Federal Pell Grant

Authorized by the 1972 Higher Education Act, only undergraduates who have not previously received a Bachelor's Degree are eligible. The eligibility for an award is based on a formula the Department of Education consistently applies to all applicants, cost of attending the institution, and the student's enrollment status per semester. Beginning with the 2012-2013 academic year students cannot receive more than 600% in Pell grant funds. This new Pell Lifetime Eligibility percentage includes all prior and future disbursements of Pell. Federal Pell Grant awards are not available for certificate, special admit, transient, second degree, non-degree, learning support, high school and graduate seeking students.

Federal Supplemental Educational Opportunity Grants

The Supplemental Educational Opportunity Grant (FSEOG) is determined upon completion of a FAFSA, based on the Department of Education Expected Family Contribution (EFC) number calculated, financial need and funds availability. The grants range from \$100 to \$2000 per year. Students with the lowest EFC numbers receive priority. FSEOG funds are not available for certificate, special admit, transient, second degree, non-degree, learning support, high school and graduate seeking students.

Federal Teach Grant

The Federal Teach Grant program is a federal grant program that provides grants of up to \$4,000 per year to students (regardless of income or need) who intend to teach in a public or private elementary or secondary school that serves students from low income families in a critical need teaching field. Failure to complete required teaching service requirements or an eligible program/major/concentration results in the grant becoming a Federal Direct Unsubsidized loan. Students must complete the obligation within eight years of completing program of study.

HOPE Scholarship (Helping Outstanding Pupils Educationally)

Georgia's HOPE Scholarship is a merit-based award restricted to Georgia residents who have demonstrated academic achievement, graduated from a Georgia high school with a minimum grade point average of 3.0, continue to maintain a minimum 3.0 cumulative grade point average at a HOPE Scholarship eligible college or university in Georgia, is a U.S. citizen, meet the Georgia residency and selective service registration requirements, not defaulted or owe on federal or state financial aid, and maintain satisfactory academic progress.

Students must maintain a 3.0 grade point average at all checkpoints (30, 60, 90 semester hours), at the end of every Spring semester, and at the end of 3 part-time terms for beginning students. A non-traditional student may qualify for HOPE Scholarship after completing 30 credit hours towards their program of study and maintain a 3.0 GPA. Students may only regain HOPE Scholarship one time. The scholarship provides some money to assist students with their educational costs of attending an eligible college or university in Georgia. The HOPE Scholarship does not pay for Learning Support (remedial) classes, after July 1, 2011. Recipients do not receive a book allowance for attendance at SSU. The HOPE Scholarship has a 10-year limit for students first receiving the HOPE Scholarship during summer 2019 term (FY 20) or later. A 7-year limit exists for students first receiving the HOPE Scholarship during the 2011-2012 academic year (FY12) or later. Students are ineligible to receive HOPE Scholarship funds once the 127 semester credit limit is reached.

Zell Miller Scholarship

Georgia's Zell Miller Scholarship is a merit-based award restricted to Georgia residents who have demonstrated academic achievement, similar to the HOPE Scholarship, but with more rigorous academic requirements. A Zell Miller Scholarship recipient must graduate from high school with a minimum 3.70 grade point average, receive a combined minimum SAT score of 1200 on the math and reading portions or a minimum composite ACT score of 26 in a single national test administration. Students must maintain a minimum 3.30 cumulative postsecondary grade point average to remain eligible at all checkpoints (30, 60, and 90 semester credits), at the end of every Spring semester, and at the end of 3 part-time terms for beginning students. Students who lose eligibility may regain the scholarship once.

Ineligible Zell Miller Scholarship students may continue to receive HOPE Scholarship if eligible. Zell Miller Scholarship does not pay for Learning Support (remedial) classes, after July 1, 2011. Recipients do not receive a book allowance for attendance at SSU. A 10-year limit for students first receiving the HOPE Scholarship during summer 2019 term (FY 20) or later. A 7-year limit exists for students first receiving the HOPE Scholarship during the 2011-2012 academic year (FY12) or later. Students are ineligible to receive Zell Miller Scholarship funds once the 127 semester credit limit is reached.

Savannah State University Scholarships

Merit and need-based academic scholarships are awarded annually to undergraduates and graduates from private, federal, state and university-funded sources. University funded-sources are made possible through contributions from alumni, students, parents, faculty, staff, businesses, foundations, corporations, and friends of the university. 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.

Students are required to complete the FAFSA and offered admittance to the university by published deadline. Applications are available online at www.savannahstate.edu.

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.

Work Programs

Federal Work-Study

The Federal Work-Study Program provides part-time jobs for students with financial need as determined by the Free Application for Federal Student Aid (FAFSA). A student is awarded work for no more than 19 hours per week. Students are paid the current federal minimum wage and may earn up to \$2,000 per semester or a maximum of \$4,000 for the academic year.

Students awarded a work award must use "JobX" to search posted community service work and work-related course of study positions or sign up for e-mail notification about placement.

University Work Program

The Savannah State University student employment program provides part-time employment opportunities for students within various departments on campus. Any full-time student with satisfactory grades is eligible for employment.

Under an agreement with the U.S. Department of Education, the institution is obligated to employ qualified financially eligible students before offering employment to others.

Loans

Federal Direct Loan

The Federal Direct Loan Program is an educational loan that offers low interest rates directly to students and parents (PLUS) through post-secondary institutions. Repayment is deferred until the student graduates, withdraws, or drops below half-time status. Federal Direct Loans are either subsidized or unsubsidized. The results of the Free Application for Federal Student Aid (FAFSA) determine loan type eligibility. First-time borrowers must complete a Loan Counseling session and Master Promissory Note online before any loan funds are credited to an account or disbursed to the student. Federal Direct Student Loans are made in multiple disbursements.

Georgia Student Access Loan Program (SAL)

The Georgia Student Access Loan program is restricted to Georgia eligible students and designed to assist undergraduate college students who have a gap in meeting their educational costs. 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 veteran 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 \$8,000 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. Applications are randomly selected from a pool of eligible applicants.

Veteran Affairs

These benefits are available to all qualifying students under various DOD and 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. For questions regarding GI Bill benefits, please contact the Department of Veteran Affairs at 912.358.4205. Active Duty and

Reserve students desiring to utilize Tuition Assistance should contact the Office of the Comptroller at 912.358.3015. Eligible students are encouraged to contact the appropriate office to best determine their estimated amount of benefits prior to applying for Financial Aid as some awards and/or scholarships must be discounted.

- Tuition Assistance (TA/Active Duty or Reserve)
- Montgomery GI Bill Active Duty (MGIB-AD); Chapter 30
- Vocational Rehabilitation and Employment Service (Voc-Rehab); Chapter 31
- Post 9/11 GI Bill: Chapter 33
- Dependents Education Assistance Program (DEAP); Chapter 35
- Montgomery GI Bill – Selected Reserves and National Guard (MGIB-SR); Chapter 1606

Withdrawal Policy and Financial Aid Funds

Financial aid is awarded to a student on the premise the student will complete the entire semester for which the aid was awarded. All schools participating in the Title IV Funds Program are required to use specific refund policies when a student receiving 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

Students, who cease attending all classes without officially withdrawing or notifying the university of his/her intent to withdraw are considered unofficially withdrawn from the university. The withdrawal date will be the midpoint of the payment period for which Title IV Funds were disbursed or the student's last date of attendance at an academically-related activity as documented by the university. In compliance with Title IV regulations for unofficial withdrawals, students who have received grades with no earned hours in all classes will be considered unofficially withdrawn from the University and reported as such. A R2T4 calculation must be completed by the Office of Financial Aid. Based on the students' last date of attendance provided by the Office of the Registrar, the student will be responsible for any and all funds due back to the Department of Education.

Official Withdrawals

If a student completely withdraws from school during a term, the school must calculate, according to a specific formula, the portion of the total scheduled financial assistance that the student has earned and is therefore entitled to retain, until the time that the student withdrew. Students who have not completed the verification process are ineligible to receive any financial aid. The portion of the federal grants and loans that the student is entitled to receive is calculated on a percentage basis up to the end of 60% of the term. For example, if a student completes 30% of the semester, he/she earns 30% of the approved federal aid that he/she was originally scheduled to receive. This means that 70% of the students scheduled or disbursed aid remains unearned and must be returned to the Federal Programs. This policy governs the earned and unearned portions of the student's Federal Title IV Financial Aid only. This policy does not affect the student's charges. The student is responsible for paying any outstanding charges to the university.

The student's official withdrawal date will be determined by the university as 1) the date the student began the university's withdrawal process or the date that the student officially notified the university of his/her intent to withdraw; 2) the midpoint of the semester if the student withdraws without notifying the university; or 3) the student's last date of attendance at an academically-related activity as documented by the university.

Savannah State University attempts to notify the student no later than 30 days of determination that a student withdraws to return its share of the student's unearned aid and the student has 45 days from the notification date to return their portion. Any amount awarded for the term in which a return of Title IV funds is required must occur in the following order: Federal Unsubsidized Direct Stafford Loans, Federal Subsidized Direct Stafford Loans, Federal PLUS Loan (received on behalf of the student), Federal Pell Grants, and Federal SEOG Grants.

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.

Grade Point Average Requirement (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
2 nd 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.

Maximum 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.

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.

A student is expected to know the SAP Policy. Students can review their SAP status is always available for viewing online on PAWS after final grades have been processed.

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) and 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 address the following: 1) the extenuating circumstances that prevented the student from meeting the Satisfactory Academic Progress (SAP) standards, 2) what has changed that will enable you to meet SAP, and 3) plan of action to resolve or control the cause for the circumstance or unit-deficiency and explain how it will not cause problems in the future.

The appeal must be completed online at <https://savannahstate.verifymyfafsa.com>. If the appeal is not available, please contact the office. An appeal can only be submitted once per semester. Supporting documents must be uploaded with the appeal. In the case of maximum time frame, a letter from the academic advisor, Department Chair or Dean and evidence graduation is likely to occur in the near future is needed. **The SAP appeal form must be submitted by the end of the Drop/Add period for 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 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. The SAP committee decision is final. If denied, students are able to submit an additional appeal after meeting with a Financial Aid Counselor.

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 a SAP Agreement. 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 is always available for viewing online via 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.

Division of Business and Financial Affairs

Student Financial Services

The Student Financial Services is responsible for student billing and revenue collection. The office is also responsible for collecting and posting payments on student's accounts and processing refunds from funds in excess of tuition, fees, and charges. Tuition and fees are assessed according to the policies of the Board of Regents of the University System of Georgia. Registration is not complete until all tuition and fees have been paid. Students are responsible for checking account balances and securing payment by the established payment deadline.

Savannah State reserves the right to use a collection agency and to pursue legal action to collect any debt. Once an account is placed in collection or legal action is pursued by the collection agency, the student will be liable for all collection fees, which will be in addition to the amount of the original debt.

Tuition and Fee Schedule

Undergraduate Students	In State	Out of State
Tuition (16 or more credit hours)	\$2,540.00	\$9,241.00
Tuition (15 or fewer credit hours)	\$169.33 per credit hour	\$616.07 per credit hour
E-Core Tuition	\$159.00 per credit hour	\$159.00 per credit hour
Online Tuition	\$169.33 per credit hour	\$169.33 per credit hour

Graduate Students	In State	Out of State
Tuition (12 or more credit hours)	\$2,343.00	\$8,709.00
Tuition (11 or fewer credit hours)	\$196.00 per credit hour	\$726.00 per credit hour
Online Tuition	\$196.00 per credit hour	\$196.00 per credit hour

* There is not a maximum cap per credit hour for online courses

Mandatory Fees	1-3 Credit Hours	4 Credit Hours	5 or more Credit Hours
Health Fee	\$0.00	\$67.00	\$67.00
Student Activity Fee	\$55.00	\$55.00	\$55.00
Athletic Fee	\$300.00	\$300.00	\$300.00
Technology Fee	\$50.00	\$50.00	\$50.00
Institutional Fee	\$101.00	\$101.00	\$202.00
Transportation Fee	\$45.00	\$45.00	\$45.00
Student Center/Stadium Fee	\$200.00	\$200.00	\$200.00
Total Mandatory Fees	\$751.00	\$818.00	\$919.00

* Students who register for online courses only are only responsible for the Technology Fee and Institutional Fee. Students who opt to take one or more online courses in conjunction with on-campus courses will be responsible for all mandatory and any course related fees.

Textbooks and supplies are available through the bookstore and are not part of mandatory tuition and fees.

Student Account Refund Policy

Students officially withdrawing from the University after paying tuition and fees for the term will be issued a refund of the tuition and mandatory fees, provided the official withdrawal occurs **no later than** the last day of the official add/drop period for the term.

Students officially withdrawing from **all** classes **after** the last day of the official add/drop period for the term will receive a refund based upon the following refund policy:

- The refund amount shall be based on a pro rata percentage determined by dividing the number of calendar days in the semester that the student completed by the total calendar days in the semester. The total of calendar days in a semester includes weekends but excludes scheduled breaks of five or more days and days that students were on an approved leave of absence. The unearned portion shall be refunded up to the time that the amount earned equals 60%.
- Students who withdraw when the calculated percentage of completion is greater than 60% are not entitled to a refund of any portion of institutional charges. A refund of all nonresident fees, matriculation fees, and other mandatory fees shall be made in the event of the death of students at any time during the academic session.
- Housing fees and post office box fees are non-refundable fees. Refunds of elective charges upon withdrawing from the Institution during a term will be made on a prorated basis determined by the date of withdrawal.

Students are responsible for withdrawing *officially* in accordance with University regulations, which are set out in this Catalog. Students receiving funds and financial aid monies will have their refunds restored to the following programs in this precise 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.

No other refunds or reductions are allowed unless such reductions are necessitated by schedule changes initiated by the College. Students suspended or expelled for disciplinary reasons are not entitled to a refund of any deposits, tuition, or fees paid. Additionally, students who are asked to vacate their residence hall rooms as a result of disciplinary actions are not eligible for refunds.

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). The bookstore provides a rental service, and digital books 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 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. (Please see the Parking page online for updated information). Vehicles on campus without appropriate decals, or who are parked inappropriately, are subject to ticketing, booting, and/or towing.

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.

Division of 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 gigabyte (GB) locally. PeachNet, is the Internet connection that provides faculty, staff and administrators with a 500 megabyte (MB) internet connection. The students' internet connection is also provided by PeachNet and is a dedicated 1 gigabyte (GB) Internet path for the residential network. 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, video conferencing, student LMS, remote printing, remote access services, security for identity management, and video surveillance.

Teaching and learning is supported through the establishment of general purpose, collaborative open spaces and specialized computer labs, in both PC and MAC formats, in academic and residential facilities. The University offers distance education through Video Conferencing using WebEx to deliver distributed e learning.

The University's administrative functions are supported through Ellucian's Banner - a student information system, OneUSG Connect and Human Resources systems, an automated work order system, electronic building security, and Blackbaud - 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.

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.

Institutional Student Learning Outcomes (ISLOs)

Written Communication - The development and clear expression of ideas in writing.

Critical Thinking - A habit of mind characterized by the comprehensive exploration of issues, ideas, artifacts, and events before accepting or formulating an opinion or conclusion.

Information Literacy - The ability to know when there is a need for information to be able to identify, locate, evaluate, and effectively and responsibly use and share that information for the problem at hand.

Quantitative Literacy - A “habit of mind,” competency, and comfort in working with numerical data.

Ethical Reasoning - The ability to reason about right and wrong conduct. Development of framework of values on which to base moral analysis.

Integrative Learning - An understanding and disposition that a student builds across the curriculum and co-curriculum, from making simple connections among ideas and experiences to synthesizing and transferring learning to new, complex situations within and beyond the campus.

**Ratified by the SSU Institutional Assessment Committee: January 2014*

University Library

The Asa H. Gordon Library offers a variety of informational resources and services to the university community to serve both the research and academic needs of undergraduates, graduate students, faculty and staff.

The main library is centrally located within close proximity to all instructional buildings 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 including 12 study rooms, 4 conference rooms and a presentation lab. Asa’s Café is located on the library’s first floor and is equipped with a microwave, tables, and snack machines. Students may use lockers located on the first and second floors to safely store their books, electronic devices, and other belongings.

Resources include over 100+ computers with internet access and printing capabilities in study and conference rooms, the reference area, and library classrooms. The library provides access to 10,000+ scholarly journals, magazines and newspaper titles; 300+ databases; 250,000+ eBooks; and 200,000+ hard copies of books. The library’s electronic catalog allows students to locate hard copies and electronic resources and to download full text of many electronic resources. Electronic resources are available 24/7/365. Materials located in the Special Collections must be used in the library; although full text of many of the Special Collections documents have been digitized and are available electronically in the SSU Digital Archives or Tiger Scholar Commons website.

A valid SSU ID or an official picture ID—such as a driver’s license—is needed to borrow materials at the SSU library and from any university system library as a walkup patron or through interlibrary loan. While daily overdue fines are not charged, fees are charged for lost materials and any materials not returned in 56 days. All fees must be paid in full in order for students to register for classes, receive grades, borrow library materials, or receive an official transcript.

In addition to its resources and collections, the library also offers research assistance at the reference/information desks or virtually using telephone, email, chat, or text messaging. In order for our patrons to have access to materials that are not owned by Savannah State, in addition to borrowing materials from University System of Georgia institutions, interlibrary loan is available from many other libraries across the nation at no cost. One of the most important services provided by the library is in-class instruction. In-class instruction is conducted by library faculty at the request of the teaching faculty to assist students in finding, evaluating, and citing information.

Library staff invite students and faculty to assess library services and resources. The results of surveys and other assessment methods are used to improve library operations and services.

Library services are also offered in Morgan Hall and other remote locations on and off campus.

Center for Student Success and Retention Programs and Services

Academic Advising and Faculty Mentoring

In accord with the tenets of the University System of Georgia's Momentum Year, Savannah State University has designed work across the university to guide all new students to make purposeful choices, to develop a growth mindset, and to follow a set path to completion. Academic advising, the very first step in the actual collegiate experience, aims to provide students with the resources they need to be successful at Savannah State University while also providing comprehensive programming to support the needs of the student. To achieve the established level of success for that first year, academic advising will ensure students begin with a strong sense of direction, find their paths early—academically and career wise, and then build the force necessary to complete their course of study—in essence, gain the momentum they need to succeed.

Advising at Savannah State University will be organized into three general areas of responsibility: professional advisors, faculty mentors, and specialists. The Professional Advisors Handbook outlines the roles, responsibilities, and resources for professional advisors, sets the stage and outlines the policies and procedures for the work that will be performed by the Professional Advisors. The professional advisors are assigned to students for their entire academic career at Savannah State University to ensure a consistent appreciative advising experience across disciplines and majors.

As the primary academic support and advising unit for all students at Savannah State University, the Professional advisors will be responsible for advising through core curriculum, degree pre-requisites, and the program map. The advisors will work with the students in a number of areas related to the academic experience at Savannah State University, with a primary emphasis in advising and monitoring progress toward a degree of their selected academic program. Working hand-in-hand with academic deans and faculty mentors with curriculums, changes in degree programs, and graduation audits/checks, the Professional Advisors will continue to implement the Appreciative Advising model of advising students.

On the academic side, there will be Faculty Mentors and Specialists to ensure that those academic services that fall outside the purview of the Professional Advisors will be addressed accurately and timely. Faculty mentors serve as experts in the discipline who help shape students' understanding of the academic and professional field. They are responsible for contextualizing the course content in the major with broader academic and professional goals. Faculty mentors will work in collaboration with professional advisors and provide referrals for course advisement and registration.

This new advising model assures the university that the professional advisors will give new students the springboard they need and overall, will assist in increasing Savannah State University's rates for student retention, persistence, and degree completion. Students can visit their professional academic advisors in Hubert Technology Building A for additional information or to make an appointment.

First Year Experience

The First Year Experience (FYE) at Savannah State University builds a strong foundation for college success. The content of First Year Experience includes a wealth of information, resources, and support designed to help students become active learners and well-informed members of the University community. This course is required for first time full time students as part of the required curriculum.

Testing

The Testing Center in the Center for Student Success (CSS) coordinates, administers, and reports on various tests within the appropriate guidelines that support the academic and professional goals of our students and individuals in the community. The Testing Center administers various types of exams: college entrance, college placement, college credit by exams, major field, professional, and certification. Test proctoring services are available for students enrolled in fully online classes at Savannah State University and other colleges. The Testing Center is a member of the Georgia College Testing Association, subscribes to the National College Testing Association (NCTA) Professional Standards and Guidelines and serves as a certified NCTA Test Center. A comprehensive list of the services offered and other test center certifications are included on the official SSU Test Center's website: www.savannahstate.edu/testing.

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.

Learning Support Placement

Learning Support (LS) is a University System of Georgia program designed to strengthen the skill level of entering students in Mathematics and/or English (reading/writing) to promote academic success. There are multiple measures which determine Learning Support placement: high school curriculum and grades (official high school transcript), official SAT/or ACT test scores and/or placement test scores. The system approved placement test is the ACCUPLACER Test. Transfer students may be required to participate in LS in areas not exited at a prior USG institution if eligible. Institutional credit will be awarded for LS classes.

Center for Student Success and Retention (CSS)

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 Access to Success (A2S) mission, under the Center for Student Success, provides the academic service and advising support for students who have not met the traditional freshman admission criteria, such as ACT and SAT test scores. Access to Success supports student retention, persistence, and degree completion. Students who matriculate and successfully complete the core curriculum through Access to Success may earn an associate's degree and receive continued support through completion of a bachelor's degree.

The advisors work with students in a number of areas related to the academic experience at Savannah State University, with a primary emphasis in advising and monitoring progress toward a degree of their selected academic program. The advisors work hand-in-hand with academic deans and campus faculty advisors with curriculums, changes in degree programs, and graduation audits/checks.

The Center for Student Success and Retention 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.

The Center for Student Success and Retention, in accordance with the University System of Georgia's Momentum Year initiative will work to ensure that students begin their college careers by making a purposeful choice in a focus area or program. Advisors will help students to understand the benefits of developing an academic mindset and to adhere to the degree maps in the respective majors. All new students will be advised to complete the core requirements for English and math and to earn nine credits in their chosen degree area within the first year. These essential elements are designed to give students the impetus to move successfully to completion.

In addition, the Center for Student Success and Retention addresses college readiness through its involvement in the oversight of Savannah State University's partnership with the Savannah Chatham County Public Schools' Dual Enrolled program and the traditional dual enrollment programs for high school students taking college classes.

Learning Support Curriculum:

As of spring 2018, Learning Support placement exists as a co-requisite or supplement to college level courses. This co-requisite model includes the freshmen level course in the Area A class for English/or Math (e.g. ENGL 1101, Math 1001 or Math 1111) along with a required Learning Support co-requisite course in English/or Math (ENGL 0999, Math 0997, Math 0999) (a fee is assessed for these courses) in which both classes must be taken together within the same semester until fulfilled. Fulfillment of the Learning Support requirement includes the passing of the Area A class with a "C" grade or better. Students who do not fulfill this requirement must re-enroll in both courses (as the co-requisite model) until the requirement is satisfied.

Students requiring remediation will be placed in non-credit bearing, 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. Savannah State University offers 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.

Combined Reading and Writing Course

Reading and writing skills will be developed simultaneously in co-requisite support for ENGL 1101 English Composition. Mathematics skills will be developed in co-requisite support for MATH 1001 and MATH 1111.

Courses and Numbering

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

Co-requisite course numbers and titles:

CHEM 0998 - Principles of Chemistry I Concept Development (CHEM 1211/1211L)

ENGL 0999 – Support for English Composition (ENGL 1101)

MATH 0997 – Support for Quantitative Reasoning (MATH 1001)

MATH 0999 – Support for College Algebra (MATH 1111)

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.

Learning Support for Transfer Students

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 Technical College System of Georgia (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 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.

Attempts in Learning Support Courses

There are no limits on attempts in co-requisite Learning Support courses.

Learning Support Suspension

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.

Learning Support Policies

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.

All students enrolled in Learning Support (LS) courses are advised by professional advisors in A2S until they complete their Learning Support requirements and accumulate up to 60 hours of college credit.

Courses with Learning Support Co-requisites

A. Students who are required to enroll in co-requisite Learning Support courses are not permitted to enroll in credit courses that require the mastery of the content or the skills of the co-requisite courses.

B. Institutions shall inform students of those collegiate courses that have Learning Support prerequisites or co-requisites. The following core curriculum areas may require students to complete or exempt co-requisite Learning Support requirements.

- Completion or exemption from co-requisite Learning Support English may be a prerequisite for Social, Natural, and Physical Science courses. (Additional areas for exit or exemption such as Learning Support Mathematics are at the discretion of the institution.)
- Placement into or exemption from co-requisite Learning Support English is required for placement into ENGL 1101. Completion or exemption from co-requisite Learning Support English is required for placement into all other college-level English courses.
- Placement into or exemption from co-requisite Learning Support mathematics is required for placement into MATH 1001 or 1111. Completion or exemption from co-requisite Learning Support Mathematics is required for placement into all other college level mathematics courses.
- Completion or exemption from co-requisite Learning Support mathematics may be 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 theater remain open for students with Learning Support requirements whenever possible.

Learning Support prerequisite for core courses is as follows:

Students must enroll in or exempt the corequisite Learning Support course in order to register for:

If a student passes (ENGL 1101) successfully with a grade of C or higher ----- The next course is ENGL 1102

If a student passes (MATH 1111) successfully with a grade of C or higher ----- The next course is MATH 1113 (if major requires)

If a student passes (MATH 1001) successfully with a grade of C or higher ----- The student has fulfilled the requirement for the major.

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

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”.

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:

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- 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. Students 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 may earn up to 30 additional hours of college-level credit. After earning the additional hours, such students may enroll in Learning Support courses only. 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. There is no limit on attempts for students who elect to enroll in co-requisite Learning Support courses.

Learning Support Rules for Returning Students

- A. 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.
- B. Students who leave a USG school for any reason may be re-admitted 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.
- C. 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:
 - Students may take the ACCUPLACER Test and accept Learning Support placement according to a placement index calculated on the basis of ACCUPLACER Test alone.
 - 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 (corequisite) 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 had completed requirements for corequisite Learning Support may reenter at the corequisite 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 ACCUPLACER Test 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 ACCUPLACER Test 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 ACCUPLACER Test 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 ACCUPLACER Test to exempt Learning Support may be placed in corequisite Learning Support, depending on institutional placement policies.
 - Students placed in corequisite Learning support may be readmitted if individual evaluation indicates that the student has a reasonable chance of success on readmission.
- D. 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.
- E. 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 (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.

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.

Academic Renewal allows re-calculating GPA and credit hours toward graduation, based exclusively on work completed after returning to the University.

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, grades and academic standing earned prior to a five-year (or longer) separation period will remain on the transcript. In consideration of any course work completed after the period of separation, only Savannah State University course work and subsequent transfer work will be used in the calculation of the overall GPA. The overall GPA will be used for admission to programs/majors requiring a minimum grade point average. Academic credit for previously completed course work, including transfer course work, will be retained only for all courses in which an A, B, C, or S grade has been earned. Grades of A, B, C or S are not calculated in the academic renewal GPA but may be used toward degree completion.

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 graduation requirements. Students who have been granted academic renewal are not eligible for Latin honors recognition at graduation.

Residency/Tuition Classification

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:
 - 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.
 - 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.
 - 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

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 Per Credit Hour
A	Excellent	4
B	Good	3
C	Average	2
D	Poor	1
F	Failure	0
W	Withdrew* (withdrew before deadline; no academic penalty)	0
WF	Withdrew, Failing (withdrew after deadline; counted as F in GPA)	0
I	Incomplete*	0
P	Passing*	0
S	Satisfactory*	0
U	Unsatisfactory*	0
IP	In Progress*	0
V	Audit*	0
K	Credit* (credit by examination)	0
IP	In Progress	0

*Indicates grades not included in calculation of grade point average

Grade Symbols

(Academic Renewal) - Course grade not counted in computation of Grade Point Average and hours earned

% (Learning Support) - Course grade not counted in computation of Grade Point Average and hours earned

E (Course Repeated/Excluded) - Course grade excluded from grade point average and hours earned

I (Course Repeated/Included) - Course grade included in grade point average and hours earned

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. If course requirements are not satisfied within two semesters, a grade of "F" will be assigned and the student must retake the course to receive credit. Students are responsible for initiating the completion of requirements with the instructor.

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

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.

Reporting of Grades

At mid-term and at the end of the semester, faculty members submit grade reports through self-service (PAWS). 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-term grade reports are required to help students identify their progress in classes and assist advisors in reaching out to at risk students.

Students can access grade information through self-service (PAWS).

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 by examination, credits that carry S/U grades, 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 degree requirements. If the same grade is earned, the most recent grade will count in the grade point average calculations. Courses may be repeated any time before the first degree is awarded.

- Earned hours will be applied only once toward graduation requirements.
- It is recommended that students not repeat any courses for credit in which they have earned a grade of C or better.
- All attempted courses and grades will remain on the academic 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.

Transient Policy

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

Undergraduate students are classified based on earned academic credit hours as follows:

Freshman: 0-29 or less semester hours earned

Sophomore: 30-59 semester hours earned

Junior: 60-89 semester hours earned

Senior: 90 or more semester hours earned

Grade Changes

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;

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 Student Financial Services Office.

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 minimum requirements:

Freshman (0-29 attempted hours) – 1.5 GPA and above

Sophomore (30-59 attempted hours) – 1.75 GPA and above

Junior and Senior (60+ attempted hours) – 2.0 and above

Academic Warning

Students who do not meet the minimum requirements will be placed on Academic Warning. This status is considered good standing for the purposes of enrollment. Students under Academic Warning will be able to continue enrollment during the next semester but are limited to 13 credit hours maximum.

Academic Probation

Students on Academic Warning who do not meet the minimum institutional GPA requirements will be placed on Academic Probation. This status is considered good standing for the purposes of enrollment. Students on Academic Probation will be able to continue enrollment during the next semester. 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) Students on probation must meet with an advisor before the start of class to be advised on necessary schedule adjustments.

(2) Enrollment is limited to a maximum of 13 credit hours for the semester;

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 institutional 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 the minimum GPA requirements for the semester, but has not achieved good standing (i.e. cumulative institutional GPA does not meet minimum standards), will remain on probation until the student meets the minimum cumulative institutional GPA requirement for academic good standing.

Academic Suspension

Students on Academic Probation who do not improve their GPA to meet the minimum cumulative institutional grade point average to remain in good standing will be subject to academic suspension.

Students suspended for the first time must sit out the next semester.

Students suspended for the second time must sit out the next two semesters.

Third suspension will be considered the final suspension and students may be subject to academic expulsion from the university.

Students who have been academically suspended from the University must complete a readmission application with the Registrar's Office and appeal to Academic Affairs at the end of their suspension in order to return to the University. Such students must convincingly demonstrate readiness to assume academic responsibilities. The policy for satisfactory academic progress for financial aid purposes is not

the same as the university academic standing policy. Students who are interested in receiving financial aid must also submit an Appeal for Financial Aid Suspension.

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.

Degree and Graduation Requirements

Application for Graduation

All candidates for a degree must file a formal application for graduation with the Office of the Registrar. Candidates should apply two semesters preceding their expected graduation date. The Registrar 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 the university. Degrees are conferred formally at commencement exercises at the end of the Fall and Spring Semesters. Students who complete degree requirements in the Summer semester, will be invited to participate in the Fall commencement ceremony. Summer degrees will be awarded and posted to the academic transcript at the end of the Summer semester.

Walk No Diploma policy:

Candidates for graduation may request to participate in the commencement ceremony scheduled the semester immediately preceding the semester in which degree requirements will be completed. The following are the minimum requirements to participate in commencement as a “walk no diploma” candidate:

- No more than 6 semester hours are needed to be completed the semester immediately following commencement.
- Graduation application must be submitted by the graduation application deadline of the commencement term.
- Minimum GPA of 2.0 for undergraduates (associate/bachelor degrees) and 3.0 for graduates (master degrees)
- Register for required classes needed in the following semester
- Approval from academic department

Candidates for graduation that do not meet the minimum requirements will be invited to participate in the commencement ceremony after completion of all degree requirements.

Graduation with Honors

Graduation with honors requires a minimum of sixty credit hours at Savannah State University. In addition, students who graduate with honors must attain the following grade-point averages:

Cum Laude **3.25 - 3.49**

Magna Cum Laude **3.5 - 3.74**

Summa Cum Laude **3.75 - 4.00**

Due to processing and final evaluation time constraints, Spring Semester grades for May and Fall Semester grades for December will not be used in computing the GPA for honors for the purposes of the commencement ceremony. After May and December final grades are processed, the GPA is rechecked for honors qualifications; the eligible honors designation will then be added to the student's transcript and diploma.

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. Courses that were given a grade of “I” but changed to “F” because the requirements were not completed within two semesters must be repeated to earn credit towards graduation.

Posthumous Degrees/Certificate of Attendance Policy and Procedures

- I. This policy applies to all degree-granting colleges and units.

II. In appropriate situations, Savannah State University may honor a deceased student by granting a degree posthumously. By recommending a student for a posthumous degree, the department is agreeing to waive any remaining requirements for graduation. The University determines that a deceased student has completed sufficient coursework to earn a degree. This status will be reserved for those students who are in good standing, and who have made substantial progress toward their degrees. The procedure for granting a degree posthumously will be as follows:

- The deceased student will be recommended for the honor as appropriate (associate/bachelor, or master degrees) by the Division of Academic Affairs taking into consideration the totality of circumstances, totally within the discretion of the Division of Academic Affairs. The request will be reviewed by the student's major department
- The student would have successfully completed 75% of an undergraduate degree, or 90% of a graduate degree and met the GPA requirements for that degree
- At the time of his/her death, the student had no disciplinary sanctions pending
- The Office of Academic Affairs will determine if the student's name may be included in the next commencement exercises and that the student's family is notified of the granting of the degree
- A student who did not meet the above requirements for a posthumous degree may be considered for a Certificate of Attendance.

Requirements for the Baccalaureate Degree

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

- Complete all major requirements listed for the chosen program of study.
- Earn at least 30 semester hours in residence at Savannah State University.
- Complete at least 39 semester hours of upper division work overall
- If the first baccalaureate degree was earned at Savannah State University, the required 39 hours must be in excess of any hours used towards the first baccalaureate degree.
- A minor area of study requires a minimum of 15 semester credit hours. At least 9 of these credit hours must be at the 3000 level or higher. To be noted on the transcript, a minor must be declared at least one year prior to graduation.
- All students must demonstrate knowledge of the history and constitutions of the United States and of Georgia. Students who did not earn their first degree at a University System of Georgia school, must satisfy this requirement by taking the Georgia Government exam or taking both POLS 1101 and HIST 2111/2112.

Dual Degrees 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% of major requirements must be earned at Savannah State University.

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 Student Success.

2nd Degree Policy (Post Baccalaureate)

Double Major

A double major consists of two separate majors in the same baccalaureate degree (for example, B.S. with majors in Sociology and Political Science), 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, Area F 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. The state of Georgia requires that all students must demonstrate knowledge of the history and constitutions of the United States and of Georgia. Students who did not earn their first degree at a University System of Georgia school, must satisfy this requirement by taking the Georgia Government exam or taking both POLS 1101 and HIST 2111/2112. The Testing Services department administers the Georgia Constitution exam.

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. Courses taken to satisfy Core Area A through E may not be counted as coursework in the minor. Students may add minors at any time prior to graduation. To be noted on the transcript, a minor must be declared at the time of graduation and noted on the graduation application.

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.

Class Regulations

Student Load – Undergraduate

The University policy governing semester academic course load for full-time status is as follows: freshmen (12 credit hours, 18 credit hours, maximum), and sophomore, juniors, and seniors (12 credit hours, 18 credit hours, maximum). In accordance with USG's Momentum Year, students are generally expected to enroll in at least 15 hours per semester to remain on track to graduate with a bachelor's degree in 4 years.

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 one (21) 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 one (21). 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.

Verification of Attendance is required by faculty for all classes during the attendance verification period published on the academic calendar. Students will be dropped for non-attendance if reported as not attending during the attendance verification period.

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 withdraw from a class until the last day of classes of the term. However, all withdrawals during this period will be assessed corresponding tuition and fees, a grade of W will be assigned for any class withdrawn by the deadline, and a grade of WF will be assigned for any class withdrawn after the deadline through the last day of classes.

Students desiring to drop or add classes should use self-service (PAWS).

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 a course prior to the end of the add/drop period could lead to financial and academic consequences.

After the late add/drop period 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 officially withdraw before the published deadline. For all academic dates, including add/drop period and withdrawal deadlines, please refer to the published academic calendar.

Types of withdrawals:

- Withdrawal before midterm
- Withdrawal after midterm
- Hardship withdrawals
- Military Withdrawal
- Administrative Withdrawals

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.

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.

Administrative Withdrawals

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:

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

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.

Students, who cease attending all classes without officially withdrawing, will be administratively 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.

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. Savannah State has defined Directory information to include the student's name, major field of study, dates of attendance, degrees awarded, hometown, participation in recognized activities and sports, weight and height of athletic participants. 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 by submitting a written request to the Office of the Registrar.

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).

Change of Address

Students are responsible for updating their address in PAWS. 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 should be reported to the appropriate office. Academic Grievances should first be reported to the academic department. If the appeal cannot be resolved by the department, it will be escalated to the College. As the final authority on decisions about academic grievances, Academic Affairs will make any final decision needed.

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

Grievant 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.

Online Education

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 Center for Teaching and Faculty Development provides training for faculty 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

- Entirely at a distance (E)
- Fully at a distance (F): 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.)
- Hybrid (H): Technology is used to deliver 50 percent or less of class sessions, but at least one class session is replaced by technology.
- Technology enhanced (T): Technology is used in delivering instruction to all students in the section, but no class sessions are replaced by technology.
- Null - No technology

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:

- 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.
- Online through their E-Benefits account.
- Online at www.benefits.va.gov (tab through: Education and Training, For Students, Get Started Home and Submit a Question),
- Fax a request to (404) 929-3009
- Written request to "Department of Veterans Affairs, 1700 Clairmont Road, Decatur, Ga. 30033.

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.

Reserve Officer Training Corps (Military Service Commissioning Opportunities)

Through the University's Army, Naval and Coast Guard Reserve Officer Training Corp Programs, Savannah State University students can prepare for commissioned service as regular or reserve officers in the Army, Navy, Marine Corps or Coast Guard, 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) 325-4270, or Navy ROTC at (912) 358-3095 or Coast Guard at (912) 447-0832.

International Education Center

The mission of the International Education Center (IEC) at Savannah State University is to promote and support efforts to internationalize the university's curriculum and to expose students to our global society. The IEC provides a clearinghouse for information relative to international educational opportunities and programs for students, faculty and staff. It facilitates and supports faculty and student exchanges, study abroad programs, and research cooperatives with foreign institutions.

The university's International Education Center (IEC) offers students access to study abroad opportunities in several countries. In the past, SSU faculty have hosted short-term study abroad programs to: Brazil, Costa Rica, Egypt, Ghana, Haiti, Nigeria, Liberia, India, China, Trinidad and Tobago, Vietnam and Thailand. As a part of the University System of Georgia's European Council, students and faculty are welcome to join the conglomerate of state institutions traveling to places like Paris, London, Madrid, Scotland, and Ireland. Students can explore additional travel opportunities with other colleges and universities within the University System of Georgia as transient students.

The IEC also provides services to a growing number of international students from more than 40 countries. Students from around the world come to complete degrees at Savannah State. A number of students will begin their time at the university as a member of our English Language Institute and later transition to regular degree level programs. The center is designed to assist new international students with orientation, advisement, processing paperwork, as well as helping students adapt to cultural differences experienced while living in the United States. Our campus hosts students from a multitude of countries including: Ghana, Nigeria, Burkina Faso, Cameroon, the Democratic Republic of Congo, Ivory Coast, Brazil, The Bahamas, Antigua, United Kingdom, Ukraine, Columbia, Russia, Georgia, 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 Chinese language and culture, allowing Savannah State University to expand these services to the City of Savannah and the region as a whole. Students and faculty have opportunities to travel to China to conduct research and increase their skills in Chinese language. United States business leaders benefit from the institute's partnerships, utilizing programs designed to teach American industries how to do business with China. The business exchange hosts programs for Chinese investors interested in discovering investment opportunities in Savannah.

On January 28, 2019, Savannah State University went "Global," as a member of the University System of Georgia's system-wide consortia study abroad programs known as USG Goes Global! USG Goes Global is an administrative unit of the University System of Georgia (USG) that partners with USG institutions to provide quality, affordable, and impactful faculty-led study abroad experiences open to all USG undergraduate students. USG Goes Global offers an interesting mix of core and special topics courses in international locations, attractive to undergraduates at any stage of their academic career. Additionally, by leveraging the power of the entire university system, USG Goes Global will keep programs affordable, safe and manageable by using innovative technology, existing USG systems and proven study abroad best practices.

Approximately 30 years ago, the USG assisted in the creation of one study abroad program to London via the USG European World Regional Council. Currently the USG European and Asian World Regional Councils actively offer 10 study abroad programs that serve more than 300 USG students each summer. The USG World Regional Councils will continue to exist, as they always have to provide opportunities for both students and faculty to broaden their understanding of individual world regions by promoting activities that enrich teaching and research about these regions.

With the creation of USG Goes Global, the USG will take-on the administrative burden of running study abroad programs from the World Regional Councils, so that faculty can concentrate more on academic oversight and offering impactful experiences on the ground. Currently USG Goes Global is working to fold in the programs offered by the USG European World Regional Council and by 2020; we plan to incorporate the USG Asia World Regional Council programs. Going forward USG Goes Global plans to offer study abroad programs in all areas represented by the USG World Regional Councils, which include Europe and Asia, as well as Africa, Americas and Middle East.

The USG Goes Global program will utilize the USG created Intra-Georgia Registration Sharing System (INGRESS), a multi-institutional registration system, to facilitate enrollments and provide an electronic classroom for all faculty teaching on USG Goes Global programs. Additionally, in the same manner as other collaborative programs created by the USG, USG Goes Global will pay institutions a competitive rate for faculty teaching on our summer study abroad programs. In doing so, the USG will attract faculty across the entire USG and thereby provide both students and faculty with impactful experiences abroad.

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.

Honors Program

The Savannah State University Honors Program is designed to provide SSU's exceptional and high-achieving students with innovative honors courses and enriching co-curricular activities as they embark on the path to becoming global leaders.

Honors at SSU provides for expansive collaborations between faculty and students who engage in service-learning activities within local, national, and global communities. The program supports and motivates students in the pursuit of their academic and professional goals such as study abroad /study away, international internships, research and service learning projects. Upon acceptance into the Honors Program students enjoy the following benefits:

- Residence among honors peers in Camille-Hubert Hall, a living-learning community.
- Program courses such as Honors Seminar, Honors designation and Honors Enhanced Opportunities.
- Program coordinators to refine academic plans and research agendas.
- Mentoring amongst the network of SSU's globally, renowned alumni.
- Engaged service-learning projects laden with intrinsic value.
- Access to internships as well as study away and study abroad opportunities.

Located in Gardner Hall, the Honors Program at SSU is nurtured in an intellectually creative atmosphere for inquisitive and highly motivated scholars, who intend to extend their educational experiences beyond the scope of the traditional undergraduate curriculum.

Honors Program Scholarship Recipient Guidelines

The Honors Program Scholarship is a renewable, yearly commitment determined by the student's ability to maintain a 3.4 grade point average (G.P.A.). Renewal of the scholarship is subject to the availability of funds. Scholarship allocations support tuition, room, board, books, and other mandatory on-campus fees. Scholarship allocation is dispersed equally among the fall and spring semesters. Allotments to student accounts occur after all other aid (i.e. Pell Grant, Hope Scholarship, etc.). The Honors Program scholarship is non-refundable.

Scholar Expectations

Students accepted into the SSU Honors Program are required to continuously matriculate while abiding by the policies of the Office of Financial Aid and its eligibility requirements (i.e. completing FAFSA paperwork by). Honors Program scholars are expected to graduate from Savannah State University within four years as socially conscious, global citizens, representing the SSU community while consistently displaying good character. A participant will be dismissed from the program for violating of the policies of the University System of Georgia and the Board of Regents, or those specified in the Savannah State University Student Code of Conduct (see Savannah State University's Student Handbook and Code of Student Rights, Responsibility and Ethics).

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 or forty three (42-43) 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 17-18 hours.

A grade of "C" or better is required in Core Area A and major requirements. In addition, students in a College of Science and Technology major must also earn a grade of "C" or better in Core Area D. A grade of "D" is considered passing in all other core areas unless specified by a specific major. Students must earn an overall institutional GPA of 2.0 to graduate.

Core Curriculum –

Area A – Essential Skills 9 hrs

AREA A1: Communication Skills

ENGL 1101	Composition I	3 hrs
ENGL 1102	Composition II	3 hrs

AREA A2: Quantitative Skills

Select one of the following:

MATH 1001	Quantitative Reasoning	3 hrs
MATH 1111	College Algebra	3 hrs
MATH 1113	Pre-Calculus	3 hrs
MATH 2101	Calculus I	4 hrs

Area B – Institutional Options 5 hrs

AFRS 1501	Survey of African-American Exp	2 hrs
HUMN 1201	Critical Thinking & Communication	3 hrs

Area C – Humanities/Fine Arts, and Ethics 6 hrs

Select one of the following:

ENGL 2111	World Literature I	3 hrs
ENGL 2112	World Literature II	3 hrs
ENGL 2121	British Literature I	3 hrs
ENGL 2122	British Literature II	3 hrs
ENGL 2131	American Literature I	3 hrs
ENGL 2132	American Literature II	3 hrs
ENGL 2222	African American Literature	3 hrs
PHIL 2010	Introduction to Philosophy	3 hrs
PHIL 2030	Introduction to Ethics	3 hrs

Select one of the following:

ARTS 1101	Introduction to Visual Art	3 hrs
DNCE 2010	Dance Appreciation	3 hrs
ENGL 2521	Introduction to Film	3 hrs
HUMN 2011	Humanities	3 hrs
MUSC 1101	Introduction to Music	3 hrs
THEA 2101	Introduction to Theatre	3 hrs

Area D – Natural Sciences, Math & Technology 10 hrs

Option I – Non-Science Majors

Select two of the following:

ASTR 1000	Introduction to the Universe	3 hrs
BIOL 1103	General Biology	3 hrs
BIOL 1104	Human Biology	3 hrs
CISM 1130	Computer Applications	3 hrs
CSCI 1130	Computer Applications	3 hrs
CSCI 1301	Computer Science I	3 hrs
ENVS 1140	Environmental Issues	3 hrs
FSCI 1101	Intro to Molecular Forensic Science	3 hrs
ISCI 1101	Integrated Science I	3 hrs

Select one of the following lab sciences:

BIOL 1103/1103L	General Biology/Lab	4 hrs
BIOL 1104/1104L	Human Biology/Lab	4 hrs
CHEM 1101K	Introduction to Chemistry	4 hrs
ISCI 1111K	Integrated Science II	4 hrs
MSCI 1501K	Intro to Marine Biology	4 hrs

PHSC 1011K	Physical Science I	4 hrs
PHYS 1111K	Introductory Physics I	4 hrs

Option II – Science Majors

Select one of the following:

BIOL 1107	Principles of Biology I	3 hrs
BIOL 1108	Principles of Biology II	3 hrs
CHEM 1211	Principles of Chemistry I	3 hrs
CHEM 1212	Principles of Chemistry II	3 hrs
CISM 1130	Computer Applications	3 hrs
CSCI 1130	Computer Applications	3 hrs
CSCI 1301	Computer Science I	3 hrs
ENVS 1140	Environmental Issues	3 hrs

Select two of the following lab sciences:

BIOL 1107/1107L	Principles of Biology I	4 hrs
BIOL 1108/1108L	Principles of Biology II	4 hrs
CHEM 1211/1211L	Principles of Chemistry	4 hrs
CHEM 1212/1212L	Principles of Chemistry	4 hrs
PHYS 1111K	Introductory Physics I	4 hrs
PHYS 1112K	Introductory Physics II	4 hrs
PHYS 2211K	Principles of Physics I	4 hrs
PHYS 2212K	Principles of Physics II	4 hrs

Area E – Social Science 12 hrs

POLS 1101	American Government	3 hrs
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Select one of the following:

HIST 2111	U.S. History to the Post-Civil War Period	3 hrs
HIST 2112	U.S. History from the Post-Civil War to Pre	3 hrs

Select two of the following:

AFRS 2000	Introduction to Africana Studies	3 hrs
ANTH 1101	Introduction to Anthropology	3 hrs
ECON 2105	Principles of Macro-Economics	3 hrs
GEOG 1101	Introduction to Human Geography	3 hrs
HIST 1111	World Hist to Early Modern Times	3 hrs
HIST 1112	World History Early Modern Times to Pres	3 hrs
POLS 2401	Global Issues	3 hrs
PSYC 1101	Intro to General Psychology	3 hrs
PSYC 2103	Human Growth & Development	3 hrs
SOCI 1101	Introduction to Sociology	3 hrs
SOCI 1160	Social Problems	3 hrs

TOTAL 42-43 hours

State Requirement in History and Government

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

Major Curriculum

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

Minor Curriculum

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

SSU Core Curriculum Learning Outcomes (CCLOs)

Area A1: Communication Outcomes

Students produce well-organized written communication that meets conventional standards of composition and appropriately acknowledges the use of material from original sources.

Students demonstrate the ability to comprehend, analyze, and draw inferences from written texts.

Area A2: Quantitative Outcomes

Students demonstrate the ability to use mathematical information and concepts in verbal, numeric, graphical, and symbolic forms to solve problems.

Area B: Institutional Options

Students analyze and evaluate elements of arguments and create effective, well-reasoned responses, considering opposing views when appropriate.

Students analyze historical and cultural events that have shaped the Africana experience within the context of US and global history and culture.

Area C: Humanities and Fine Arts

Students effectively analyze the meaning and cultural significance of literary/philosophical texts or of works in the visual/performing arts.

Area D: Science and Technology

Students demonstrate a collegiate-level understanding of the nature of science and the scientific method and knowledge of fundamental concepts in one or more fields of science.

Area E: Social Sciences

Students critically analyze historical, economic, political, social, spatial, or psychological processes and how they contribute to the human experience.

Area I: US Perspectives

Students demonstrate collegiate-level knowledge and understanding of the history, culture, and politics of the United States.

Area II: Global Perspectives

Students demonstrate knowledge of political, social, economic, linguistic, or institutional developments and human diversity in global cultures.

Area III: Critical Thinking

Students analyze and evaluate elements of arguments and create effective, well-reasoned responses, considering opposing views when appropriate.

**Approved by the USG General Education Council: November 2010*

Undergraduate Academic Degree Programs, Minors and Certificates

College of Business Administration

Bachelor of Business Administration in Accounting (BBA)
Bachelor of Business Administration in Business Management (BBA)
Bachelor of Business Administration in Marketing (BBA)
Bachelor of Business Administration in Computer Information Systems (BBA)
Bachelor of Business Administration in Global Logistics and International Business (BBA)

Minors

Accounting
Business
Computer Information Systems
Entrepreneurship
Global Logistics and International Business
Management
Marketing

Certificate in Data Analytics

College of Liberal Arts and Social Sciences

Bachelor of Arts in Africana Studies (BA)
Bachelor of Science in Behavior Analysis (BSBA)
Bachelor of Science in Criminal Justice (BS)
Bachelor of Arts in English Language and Literature (BA)
Bachelor of Arts in History (BA)
Bachelor of Arts in Homeland Security and Emergency Management (BA)
Bachelor of Arts in Mass Communication
Bachelor of Science in Political Science (BS)
Bachelor of Science in Sociology (BS)
Bachelor of Social Work (BSW)
Bachelor of Fine Arts in Visual and Performing Arts (BFA)
Associate of Arts, Core Curriculum (AACC)

Minors

Africana Studies
Behavior Analysis
Criminal Justice
English Language and Literature
Gerontology
History
Homeland Security and Emergency Management
Mass Communication
Political Science
Sociology
Urban Studies

Certificate in Interdisciplinary Transportation Studies

College of Sciences and Technology

Bachelor of Science in Biology (BS)
Bachelor of Science in Chemistry (BS)
Bachelor of Science in Civil Engineering Technology (BS)
Bachelor of Science in Computer Science Technology (BS)
Bachelor of Science in Electronics Engineering Technology (BS)

Bachelor of Science in Environmental Science (BS)
Bachelor of Science in Forensic Science (BS)
Bachelor of Science in Marine Sciences (BS)
Bachelor of Science in Mathematics (BS)
Bachelor of Science in Mechanical Engineering Technology (BS)
Associate of Science, Core Curriculum (ASCC)

Minors

Applied Mathematics
Biology
Chemistry
Civil Engineering Technology
Computer Science Technology
Electronics Engineering Technology
Environmental Science
Forensic Science
General Technology
Marine Sciences
Mathematics
Naval Science

Certificate in Virtual Forensic Science

College of Education

Bachelor of Interdisciplinary Studies (BIDS)
Bachelor of Science in Education in Secondary Education (BSED)
Bachelor of Science in Education in Engineering Technology Education (BSED)
Bachelor of Science in Education in Middle Grades Education (BSED)

College of Business Administration

The College of Business Administration (COBA) 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:

<i>Integrity</i>	We believe that students' academic performance rises with high faculty expectations and mentoring.
<i>Diversity</i>	We believe that the college's increasingly diverse learning environment is beneficial to the future of our students.
<i>Accountability</i>	We believe that applied experiences enhance student responsibility and personal growth.
<i>Respect</i>	We believe that integration and reinforcement of ethical and leadership values are essential throughout the students' COBA experience.
<i>Excellence</i>	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 Student Success.

Advisement Process

Refer to the Center for Student Success.

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, with a grade of "C" or better in each of the following courses: ENGL 1101, ENGL 1102, MATH 1111, and all courses in the students' designated Major.
- "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.

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.

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.

Program of Study - Bachelor of Business Administration

Notes: All major area courses must have a minimum grade of C. A grade of D is allowable in Areas F and G for non-major area courses. Students must earn an overall and institutional GPA of 2.0 to graduate.

Areas A, B, C, D, E, and additional requirements 42 hrs

CISM/CSCI 1130 Required in Core Area D

ECON 2105 Required in Core Area E

Area F - Business Core 18 hrs

BUSA 1103	Intro to Business and Leadership	3 hrs
ACCT 2101	Principles of Financial Accounting	3 hrs
ACCT 2102	Principles of Managerial Accounting	3 hrs
ECON 2106	Principles of Micro Economics	3 hrs
BUSA 2105	Com in the Business Environment	3 hrs
BUSA 2106	The Environment of Business	3 hrs

Accounting Majors must make a grade of "C" or better in ACCT 2101 and 2102

Area G - Foundation Knowledge of Business 33 hrs

MATH 1113	Pre-calculus	3 hrs
BUSA 2182	Intro to Business Statistics	3 hrs
BUSA 2185	Intro to Business Research	3 hrs
CISM 2130	Business Information Systems	3 hrs
BUSA 3145	Global Business Issues	3 hrs
FINC 3155	Business Finance	3 hrs
MGNT 3165	Management of Organization	3 hrs

Note: Management Majors must make a grade of "C" or better in MGNT 3165

MKTG 3175 Principles of Marketing 3 hrs
Note: Marketing Majors must make a grade of "C" or better in MKTG 3175

MGNT 3185	Operations Management	3 hrs
BUSA 4126	Business Policy	3 hrs*

General Elective (Choose one 2000/3000/4000 course from the following:

ACCT, BUSA, CISM, FINC, GLIB, MGNT, MKTG) 3 hrs

Note: GLIB majors must take GLIB 2109 instead of General Elective

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

Area of Specialization - Choose one of the following 27 hrs

Accounting 27 hrs

*The following courses are required of all Accounting majors 21 hrs**

ACCT 3111	Intermediate Financial Acc I	3 hrs*
ACCT 3112	Intermediate Financial Acc II	3 hrs*
ACCT 3113	Federal Income Tax of Individuals	3 hrs*
ACCT 3115	Cost/Managerial Accounting	3 hrs*
ACCT 3117	Accounting Information Systems	3 hrs*
ACCT 4111	Intermediate Financial Acc. III	3 hrs*
ACCT 4117	Auditing	3 hrs*

Choose one (1) from the following:

ACCT 4116	Accounting for Not-for-Profit Inst.	3 hrs*
ACCT 4118	Advanced Managerial Accounting	3 hrs*
BUSA 4229	Administrative Practice & Intern	3 hrs*
BUSA 4999 or		
STAB 4101	Study Abroad	3 hrs*

Free Elective - All majors 3 hrs

Computer Information Systems 27 hrs

The following courses are required of all CIS majors 21 hrs

CISM 3137	Systems Analysis & Design	3 hrs*
CISM 3140	Intro to Programming: Visual Basic	3 hrs*
CISM 3232	Web Application Development	3 hrs*
CISM 3325	Data Comm. & Computer Networks	3 hrs*
CISM 4137	Database Design & Implementation	3 hrs*
CISM 4900	Occupational Internship	3 hrs*

Choose two (2) from one of the following tracks: 6 hrs

Choose two for Analytics Track: 6 hrs

CISM/DATA 3109*	Intro to Data & Mining	3 hrs*
CISM/DATA 3010*	Business Intelligence	3 hrs*
CISM/DATA 3111*	Applied Statistics	3 hrs*
GLIB 3196	Supply Chain Analytics	3 hrs*

Choose two for Computer Information Systems Track: 6 hrs

BUSA 4999/STAB 4101*	Study Abroad	3 hrs*
CISM 4138	Contemporary Topics in CIS	3 hrs*
CISM 4150*	Network Administration	3 hrs*
CISM 4200*	Project Management	3 hrs*

Free Elective - All majors 3 hrs

Global Logistics and International Business 27 hrs*The following courses are required of all GLIB majors 18 hrs*

GLIB 3190	Purchase and Proc for Global SC	3 hrs*
GLIB 3196	Supply Chain Analytics or	
GLIB 4196	Continuous Improve & Six Sigma	3 hrs*
GLIB 3197	Business Logistics and SC	3 hrs*
GLIB 4190	International Trans. & Carrier Man	3 hrs*
GLIB 4192	International Strategic Management or	
GLIB 4194	International Trade Theory & Policy	3 hrs*
MGNT 4168	International Business Management	3 hrs*

*Select either Analytics Focus or Marketing Focus 6hrs**Analytics Focus (Choose any Two): 6 hrs*

CISM/DATA 3109	Intro to Data & Mining	3 hrs*
CISM/DATA 3010	Business Intelligence	3 hrs*
CISM/DATA 3111	Applied Statistics	3 hrs*

Marketing Focus (Choose Two): 6 hrs

MKTG 3179	Global Electronic Business	3 hrs*
MKTG 4179	International Mkg & Export Man.	3 hrs*

*Free Elective - All majors 3 hrs***Management 27 hrs***The following courses are required of all Management majors 15 hrs*

MGNT 3196	Entrep & Small Business Mgmt	3 hrs*
MGNT 3300	Organizational Behavior & Theory	3 hrs*
MGNT 4110	Leadership in Organizations	3 hrs*
MGNT 4165	Human Resource Management	3 hrs*
MGNT 4168	International Business Management	3 hrs*

Management Elective Requirement

Choose one (1) 3000/4000 MGNT course 3 hrs*

Choose two (2) 3000/4000 business courses from the following:

MGNT 4166, 4169, 4170, 4204, 4221, 4800 6 hrs*

*Free Elective - All majors 3 hrs***Management Online 27 hrs***The following courses are required of all Management majors 12 hrs*

MGNT 3196	Entrepr & Small Business Mgmt	3 hrs*
MGNT 3300	Organizational Behavior & Theory	3 hrs*
MGNT 4165	Human Resource Management	3 hrs*
MGNT 4168	International Business Management	3 hrs*

Management Elective Requirement 12 hrs*

Choose one (1) 3000/4000 course from four (4) of the following areas: ACCT, BUSA, CISM, GLIB, MGNT, MKTG

*Free Elective - All majors 3 hrs***Marketing 27 hrs***The following courses are required of all Marketing majors 18 hrs*

MKTG 4116	Marketing Research	3 hrs
MKTG 4179	International Busi Mkg & Export Mngt	3 hrs
MKTG 4185	Strategic Marketing	3 hrs

Choose two (2) from the following: 6 hrs

MKTG 3178	Buyer Behavior	3 hrs*
MKTG 3179	Global Electronic Business	3 hrs*
MKTG 4175	Advertising & Promotion	3 hrs*
MGNT 4204	Creativity and Entrepreneurship	3 hrs*
BUSA 4999/STAB 4101	Study Abroad	3 hrs*

*Choose two (2) of the following: 6 hrs**

MKTG 3176	Professional Selling	3 hrs*
MKTG 3186	Sales Management	3 hrs*
MKTG 4176	Contemporary Topics in Marketing	3 hrs*
GLIB 4194	International Trade Theory & Policy	3 hrs*
BUSA 4229	Business Internship	3 hrs

*Choose one (1) of the following: 3 hrs**

MKTG 3176, 3178, 3179, 3186, 4175 or 4176; MGNT 4204; BUSA 4229; BUSA 4999/STAB 4101; GLIB 4194

*Free Elective - All majors 3 hrs***TOTAL 120 hours**

Minors in the College of Business Administration (for majors)

Notes: All listed prerequisite courses must have a minimum grade of C. To enroll in any 3/4000 level course, you must have 60 earned hours. All minor courses must be passed with a minimum grade of C.

Accounting Minor (Business Majors) 15 hrs

Required:

ACCT 2101	Principles of Financial Accounting	3 hrs*
ACCT 2102	Principles of Managerial Accounting	3 hrs*
ACCT 3111	Intermediate Accounting I	3 hrs*

Electives: (Choose two)

ACCT 3113	Federal Income Taxation of Individuals	3 hrs*
ACCT 3115	Cost/Managerial Accounting	3 hrs*
ACCT 3117	Accounting Information Systems	3 hrs*

Computer Information Systems Minor (Busi Majors) 15hrs

Required:

BUSA 2106	The Environment of Business	3 hrs*
CISM 2140	Introd to Progr: Visual Basics	3 hrs*

Electives: (Choose three)

CISM 3137	System Analysis and Design	3 hrs*
CISM 3232	Web Design and Development	3 hrs*
CISM 3325	Data Comm & Comp Networks	3 hrs*
CISM 4137	Database Design & Implementation	3 hrs*

Entrepreneurship Minor (Business Majors) 15 hrs

Required:

MGNT 4204	Creativity and Entrepreneurship	3 hrs*
MGNT 4221	Social Entrepreneurship	3 hrs*
MGNT 4231	Family Business Management	3 hrs*

Electives: (Choose two)

MGNT 3196	Entrep and Small Business Mngt	3 hrs*
MKTG 3179	E-Marketing	3 hrs*
MKTG 4179	International Mkg and Export Mngt	3 hrs*
MGNT 4240	International Entrepreneurship	3 hrs*
MGNT 4250	Franchise Management	3 hrs*

Global Logistics & International Business Minor

(Business Majors) 15 hrs

Electives: (Choose five)

GLIB 2109	Intro to Global Logistics, Transportaion and International Busines	3 hrs*
GLIB 3197	Global Business Logistics	3 hrs*
GLIB 4190	International Transportation and Carrier Management	3 hrs*
GLIB 4192	International Strategic Management	3 hrs*
MGNT 3190	Global Supply Chain Management	3 hrs*
BUSA 4999	Study Abroad Special Topics or	
STAB 4101	Individual Study Independent Research	3 hrs*

Management Minor (Business Majors) 15 hrs

Required:

BUSA 2106	The Environment of Business	3 hrs*
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Electives: (Choose four)

MGNT 3196	Entrep and Small Business Mngt	3 hrs*
MGNT 3300	Organizational Behavior and Theory	3 hrs*
MGNT 4110	Leadership in Organization	3 hrs*
MGNT 4168	International Business Management	3 hrs*
MKTG 3186	Sales Management	3 hrs*

Marketing Minor (Business Majors) 15 hrs

Required:

BUSA 2106	The Environment of Business	3 hrs*
MKTG 3176	Professional Selling	3 hrs*
MKTG 3178	Consumer Behavior	3 hrs*
MKTG 3186	Sales Management	3 hrs*
MKTG 4175	Advertising and Promotion	3 hrs*

Minors in the College of Business Administration (for non-majors)

Notes: All listed prerequisite courses must have a minimum grade of C. To enroll in any 3/4000 level course, you must have 60 earned hours. All minor courses must be passed with a minimum grade of C

Accounting Minor (non-Business Majors) 15 hrs

Required:

ACCT 2101	Principles of Financial Accounting	3 hrs*
ACCT 2102	Principles of Managerial Accounting	3 hrs*
ACCT 3111	Intermediate Accounting I	3 hrs*

Electives: (Choose two)

ACCT 3113	Federal Income Taxation of Individuals	3 hrs*
ACCT 3115	Cost/Managerial Accounting	3 hrs*
ACCT 3117	Accounting Information Systems	3 hrs*

Business Minor (non-Business Majors) 15 hrs

Required:

ACCT 2101	Principles of Financial Accounting	3 hrs*
ECON 2106	Principles of Micro-Economics	3 hrs*
BUSA 3145	Global Business Issues	3 hrs*
MGNT 3165	Management of Organizations	3 hrs*
MKTG 3175	Principles of Marketing	3 hrs*

Computer Information Systems Minor

(Non-Bus Majors) 15 hrs

Required:

CISM 2130	Business Information System	3 hrs*
CISM 137	System Analysis and Design	3 hrs*

Electives: (Choose three)

CISM 3140	Intro of Programming: Visual Basics	3 hrs*
CISM 3232	Web Design and Development	3 hrs*
CISM 3325	Data Comm & Computer Networks	3 hrs*
CISM 4137	Database Design & Implementation	3 hrs*

Entrepreneurship Minor (Non-Business Majors) 15 hrs

Option 1 Required:

MGNT 3165	Management of Organization	3 hrs*
MGNT 4204	Creativity and Entrepreneurship	3 hrs*
MGNT 4221	Social Entrepreneurship	3 hrs*
MGNT 4231	Family Business Management	3 hrs*

Electives: (Choose one)

MGNT 3196	Entrep and Small Business Mngt	3 hrs*
MGNT 4240	International Entrepreneurship	3 hrs*
MGNT 4250	Franchise Management	3 hrs*

Option 2 Required:

MGNT 3165	Management of Organization	3 hrs*
MGNT 3196	Entrepreneurship and Small Business	3 hrs*
MGNT 4204	Creativity and Entrepreneurship	3 hrs*
MGNT 4221	Social Entrepreneurship	3 hrs*
MGNT 4231	Family Business Management	3 hrs*

Global Logistics & International Business Minor

(Non-Business Majors) 15 hrs

Required:

MGNT 3165	Management of Organizations	3 hrs*
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Electives: (Choose Four Courses)

GLIB 2109	Intro to Global Logistics, Transportation and International Business	3 hrs*
GLIB 3197	Global Business Logistics	3 hrs*
GLIB 4190	International Transportation and Carrier Management	3 hrs*
GLIB 4192	International Strategic Management	3 hrs*
MGNT 3190	Global Supply Chain Management	3 hrs*
BUSA 4999	Study Abroad Special Topics or	
STAB 4101	Individual Study Independent Research	3 hrs*

Management Minor (Non-Business Majors) 15 hrs

Required:

BUSA 2106	The Environment of Business	3 hrs*
MGNT 3165	Management of Organizations	3 hrs*

Electives: (Choose three)

MGNT 3196	Entrep and Small Business Mngt	3 hrs*
MGNT 3300	Organizational Behavior and Theory	3 hrs*
MGNT 4110	Leadership in Organization	3 hrs*
MGNT 4168	International Business Management	3 hrs*
MKTG 3186	Sales Management	3 hrs*

Marketing Minor (Non-Business Majors) 15 hrs

Required:

BUSA 2106	The Environment of Business	3 hrs*
MGNT 3175	Principles of Marketing	3 hrs*

Electives: (Choose three)

MKTG 3176	Professional Selling	3 hrs*
MKTG 3178	Consumer Behavior	3 hrs*
MKTG 3186	Sales Management	3 hrs*
MKTG 4175	Advertising and Promotion	3 hrs*

Data Analytic Certificate

Data Analytics is an interdisciplinary program funded by National Science Foundation. A joint effort between the three colleges of Savannah State University (SSU): College of Business Administration (COBA), College of Sciences and Technology (COST), and College of Liberal Arts and Social Sciences (CLASS), will develop a Targeted Infusion Project in Interdisciplinary Data Analytics (TIP-IDA), and implement an undergraduate certificate program. IDA certificate will focus on educating SSU students, non-SSU students, and the local community in STEM disciplines. This certificate program will also focus on improving the methodological, technical, mathematical, statistical, software and discipline-based research in the area of Data Analytics. The DATA certificate program will be open to both STEM and non-STEM majors. The long term goal of SSU is to harness the success of this certificate program to ultimately move forward developing a master's degree program in DATA. Additionally, the role of TIP-IDA is to prepare students in data analytics methodologies and tools in their respective disciplines, conduct meaningful research, formulate managerial insights, and make decisions to help meet the changing landscape of 21st century big data.

Data Analytic Certificate

18 hrs

Required:

CISM/DATA 3109	Intro to Data Analytics and Mining	3 hrs
CISM/DATA 3111	Applied Statistics for Data Science	3 hrs

Select any four (4) Electives

12 hrs

CISM/DATA 3010	Business Intelligence	3 hrs
MATH /DATA 3115	Mathematical Data Analytics	3 hrs
MATH/DATA 3000	Introduction to Bio Statistics	3 hrs (DATA 3000 not currently available)
CIVT/DATA 2113	Data Analytics in Transportation & Logistics	3 hrs
MSCI 3560/DATA 3560	Big Data Analysis in the Science	3 hrs
ENGT 3190/DATA 3190	Data Visualiziation	3 hrs
POLS/MSCI/ITSC 3702	Intro to Geographic Information Systems	3 hrs

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, World Languages, Journalism, Public Relations and Strategic Communication, Multimedia & Digital Communication, 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 experiences that promote 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.

Associate of Arts, Core Curriculum

The College of Liberal Arts and Social Sciences also offers the degree Associate of Arts, Core Curriculum. The Associate of Arts (AA) degree in Core Curriculum is a 60 semester-hour degree program that is comprised of 42 semester hours in Areas A-E of the general education core curriculum, and 18 semester hours of course work at the 1000 and 2000 levels. The degree is a stand-alone academic credential, or it can be part of a baccalaureate degree program. Students seeking baccalaureate degrees may opt to take courses in Area F of the selected baccalaureate degree program to satisfy the 18 semester hours required to complete the AA degree program.

Program of Study**Associate of Arts, Core Curriculum –****Area A – Essential Skills 9 hrs*****AREA A1: Communication Skills**

ENGL 1101	Composition I	3 hrs
ENGL 1102	Composition II	3 hrs

AREA A2: Quantitative SkillsSelect one of the following:*

MATH 1001	Quantitative Reasoning	3 hrs
MATH 1111	College Algebra	3 hrs
MATH 1113	Pre-Calculus	3 hrs
MATH 2101	Calculus I	4 hrs

Area B – Institutional Options 5 hrs

AFRS 1501	Survey of African-Amer Experience	2 hrs
HUMN 1201	Critical Thinking & Communication	3 hrs

Area C – Humanities/Fine Arts, and Ethics 6 hrs*Select one of the following:*

ENGL 2111	World Literature I	3 hrs
ENGL 2112	World Literature II	3 hrs
ENGL 2121	British Literature I	3 hrs
ENGL 2122	British Literature II	3 hrs
ENGL 2131	American Literature I	3 hrs
ENGL 2132	American Literature II	3 hrs
ENGL 2222	African American Literature	3 hrs
PHIL 2010	Introduction to Philosophy	3 hrs
PHIL 2030	Introduction to Ethics	3 hrs

Select one of the following:

ARTS 1101	Introduction to Visual Art	3 hrs
DNCE 2010	Dance Appreciation	3 hrs
ENGL 2521	Introduction to Film	3 hrs
HUMN 2011	Humanities	3 hrs
MUSC 1101	Introduction to Music	3 hrs
THEA 2101	Introduction to Theatre	3 hrs

Area D – Natural Sciences, Math & Technology 10 hrs**Option I – Non-Science Majors***Select two of the following:*

ASTR 1000	Introduction to the Universe	3 hrs
BIOL 1103	General Biology	3 hrs
BIOL 1104	Human Biology	3 hrs
CISM 1130	Computer Applications	3 hrs
CSCI 1130	Computer Applications	3 hrs
CSCI 1301	Computer Science I	3 hrs
ENVS 1140	Environmental Issues	3 hrs
FSCI 1101	Intro to Molecular Forensic Science	3 hrs
ISCI 1101	Integrated Science I	3 hrs

Select one of the following lab sciences:

BIOL 1103/1103L	General Biology/Lab	4 hrs
BIOL 1104/1104L	Human Biology/Lab	4 hrs
CHEM 1101K	Introduction to Chemistry	4 hrs
ISCI 1111K	Integrated Science II	4 hrs
MSCI 1501K	Intro to Marine Biology	4 hrs
PHSC 1011K	Physical Science I	4 hrs
PHYS 1111K	Introductory Physics I	4 hrs

Area E – Social Science 12 hrs

POLS 1101	American Government	3 hrs
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Select one of the following:

HIST 2111	U.S. History to the Post-Civil War Period	3 hrs
HIST 2112	U.S. History from the Post-Civil War to Pre	3 hrs

Select two of the following:

AFRS 2000	Introduction to Africana Studies	3 hrs
ANTH 1101	Introduction to Anthropology	3 hrs
ECON 2105	Principles of Macro-Economics	3 hrs
GEOG 1101	Introduction to Human Geography	3 hrs
HIST 1111	World Hist to Early Modern Times	3 hrs
HIST 1112	World History Early Modern Times to Pres	3 hrs
POLS 2401	Global Issues	3 hrs
PSYC 1101	Intro to General Psychology	3 hrs
PSYC 2103	Human Growth & Development	3 hrs
SOCI 1101	Introduction to Sociology	3 hrs
SOCI 1160	Social Problems	3 hrs

Area F - Electives 18 hrs*Select 18 hours of general electives at the 1000 or 2000 level***TOTAL 60 hours*****A grade of “C” or better required**

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 World languages (Arabic, Chinese, French, 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.

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 2105, which is a prerequisite to all literature courses on the 3000 or 4000 level. For English majors entering the program in fall 2019 or later, other courses required in area F include survey courses in British, American, and African American literature designed for English majors (ENGL 2120, 2130, and 2220), and two language courses on the intermediate level (2001 and 2002). Other requirements are shown in the grid below. Students who started the program prior to fall 2019 should consult the appropriate catalog or their advisor for program requirements.

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 must 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.

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.

Program of Study – Bachelor of Arts in English Language and Literature

Areas A, B, C, D, E, and additional requirements 42 hrs

CLAS 1130 First Year Experience 2 hrs

Area F 18 hrs

ENGL 2105	Intro to Literary Studies	3 hrs
ENGL 2120	British Literature for Majors	3 hrs
ENGL 2130	American Literature for Majors	3 hrs
ENGL 2220	African American Lit for Majors	3 hrs
SPAN or FREN 2001	Intermediate language I	3 hrs
SPAN or FREN 2002	Intermediate language II	3 hrs

Hours required for the Major 60 hrs

ENGL Required Courses 39 hrs

ENGL 3010	Literary Theory and Criticism	3 hrs
ENGL 3321	Intro to Language	3 hrs
ENGL 4700	Senior Seminar	3 hrs

3000-level British Literature 3 hrs

Select from the following:

ENGL 3011	Medieval English Literature
ENGL 3012	Renaissance British Literature
ENGL 3013	Neoclassic British Literature
ENGL 3014	Romantic British Literature
ENGL 3015	Victorian English Literature
ENGL 3016	Modern British Literature
ENGL 3031	The British Novel

3000-level American Literature 3 hrs

Select from the following

ENGL 3310	American Lit Contact/Colonial
ENGL 3311	American Literature Rev to Civil War
ENGL 3312	Realism and Modernism in Am Lit
ENGL 3313	Postmodern American Literature
ENGL 3331	American Novel
ENGL 3332	American Short Story
ENGL 3335	American Poetry
ENGL 3339	American Drama

3000-level African American Literature 3 hrs

Select from the following

ENGL 3211	African American Drama
ENGL 3212	African-American Oral Literature
ENGL 3216	African-American Poetry
ENGL 3217	African American Fiction
ENGL 3219	African American Nonfiction

3000-level World/Global Literature 3 hrs

Select from the following

ENGL 3121	The Bible as Literature
ENGL 3122	Intro to New Testament and Apocrypha
ENGL 3515	World Drama
ENGL 3531	World Novel
ENGL 3535	World Poetry
ENGL 3538	World Nonfiction

3000-level Writing Course 3 hrs

Select from the following:

ENGL 3416	Creative Nonfiction
ENGL 3417	Introduction to Creative Writing: Poetry
ENGL 3418	Creative Writing: Intro to Fiction
ENGL 3419	Intro to Technical Writing
ENGL 3430	Literary Editing, Publishing, Marketing
ENGL 3620	Introduction to Digital Storytelling

4000-level Elective in English 3 hrs

Select from the following:

ENGL 4011	Shakespeare
ENGL 4040	Black British Literature
ENGL 4100	Major Author
ENGL 4121	American Women Writing
ENGL 4200	African Literature
ENGL 4220	Afro-Caribbean
ENGL 4344	Southern Literature
ENGL 4401-4410	Special Topics
ENGL 4551	Postcolonial Studies
ENGL 4621	Popular Cultural Studies
ENGL 4800	Honors Thesis
ENGL 4101	Advanced Speech
ENGL 4105	Advanced Playwriting
ENGL 4412	Advanced Screenwriting Seminar
ENGL 4415	Advanced Technical Writing
ENGL 4416	Creative Non-Fiction Seminar,
ENGL 4417	Poetry Writing Seminar
ENGL 4418	Fiction Writing Seminar
ENGL 4611	Practical Workshop in Small Press Production

ENGL Major Electives 12 hrs

Any four 3000/4000-level courses not required elsewhere

Minor or Additional Coursework 15 hrs

(At least 9 hrs at or above 3000-level)

Open Electives 6 hrs

TOTAL 122 hours

Minor in English Language and Literature

A minor in English consists of fifteen hours in English courses beyond those used to fulfill Area A, C, F or other requirements. Courses required for the minor are either ENGL 2104 or 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.

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 world 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 Fine Arts, Humanities, and Wellness offers an interdisciplinary curriculum that focuses on the holistic development and growth of the conscientious learner. By fostering creative expression and performance, critical thinking and communication, philosophical reflection, ethical responsibility, and practices of healthful living, our department facilitates learning environments that prepare students for an authentic application of artistic, civic-minded, and career-oriented skills.

Visual and Performing Arts Program

The Department of Fine Arts, Humanities, 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 recitals, concerts, theatrical and dance productions, visual art exhibitions, festivals, open studios, visiting artists, community outreach, study abroad, public/private partnerships, internships, 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 creative skills and to explore varied careers in the visual and performing arts.

Music education is part of the Visual and Performing Arts degree program offered in collaboration with the Department of Teacher Education. Music Education (P-12) which is accredited by the Georgia Professional Standards Commission (GaPSC) PSC accredited to offer three concentrations in music education in order to prepare students for KGeorgia -12 music teacher certification in grades P-12. Concentration choices in Music Education include: Instrumental, Piano, and Voice. Students must apply for admission to the Teacher Preparation Program to become teacher candidates and should refer to the College of Education section of this catalog for admission and other certification requirements as mandated by the GaPSC. 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 program-sponsored music ensembles, 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 thesis exhibition (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 their BFA thesis defense and paper. Graduating seniors must also undergo an exit interview with the department chair.

Program of Study –		
Bachelor of Fine Arts - Dance Concentration		
Areas A, B, C, D, E, and additional requirements		42 hrs
Area F		18 hrs
CLAS 1130	First Year Experience	2 hrs
FINE 1101	FYE Arts Practices	1 hr
FINE 2104	Portfolio Career Marketing	3 hrs
FINE 2909	Arts Administration	3 hrs
FINE 2999	Legal Aspects of the Arts	3 hrs
<i>Foreign Language Sequence</i>		<i>6 hrs</i>
Foreign Language I		3 hrs
Foreign Language II		3 hrs
Dance Core Courses		27 hrs
DNCE 1000	Dance Forum (7 semesters) corequisite with technique: DNCE 2661, 2501, 3662, 3600, 3503, 3400, 3401, 4504, 4503, 4504, 4601	0 hrs
HEDU 2101	Structural Kinesiology	3 hrs
THEA 2601	Stagecraft	3 hrs
THEA 3125	Stage Makeup & Cost	3 hrs
DNCE 3501	Dance History I	3 hrs
DNCE 3502	Dance History II	3 hrs
DNCE 4500	Composition	3 hrs
DNCE 4501	Dance Theory	3 hrs
DCED 4416	Dance Education and Pedagogy	3 hrs
<i>Select one from the following history courses:</i>		
THEA 4051	Black American Theatre & Performance	3 hrs
THEA 4055	Theatre History I	3 hrs
THEA 4056	Theatre History II	3 hrs
THEA 4058	Women in Theatre	3 hrs
Dance Technique & Performance Area		23 hrs
DNCE 2661	Ballet I	2 hrs
DNCE 3662	Ballet II	2 hrs
DNCE 2501	Modern I	2 hrs
DNCE 3600	Modern II	2 hrs
DNCE 3503	Dances of African Diaspora I	2 hrs
DNCE 3400	Jazz I	2 hrs
DNCE 4504	Dance Theater	2 hrs
<i>Select one of the following:</i>		
DNCE 4503	Dances of African Diaspora II	3 hrs
DNCE 4601	Modern III	3 hrs
DNCE 3401	Jazz II	3 hrs
THEA 4111	Theater Production and Management	3 hrs
Performance Area		6 hrs
DNCE 2850, 2855, 3850, 3855, 4850, 4855		
Performance Ensemble		6 hrs
VaPA Electives		3 hrs
Any VaPA course at the 3000 level or above in the major in consultation with advisor		
Senior Capstone		6 hrs
FINE 3999	Internship	3 hrs
FINE 4999	Senior Thesis	3 hrs
TOTAL 127 hours		

Program of Study –		
Bachelor of Fine Arts - Music Concentration (Instrumental)		
Areas A, B, C, D, E, and additional requirements		42 hrs
Area F		18 hrs
CLAS 1130	First Year Experience	2 hrs
FINE 1101	FYE Arts Practices	1 hr
FINE 2104	Portfolio Career Marketing	3 hrs
FINE 2909	Arts Administration	3 hrs
FINE 2999	Legal Aspects of the Arts	3 hrs
<i>Foreign Language Sequence</i>		<i>6 hrs</i>
Foreign Language I		3 hrs
Foreign Language II		3 hrs
Music Core Courses		27 hrs
MUSC 1000	Recital (7 semesters)	0 hrs
MUSC 1561	Class Piano I	1 hr
MUSC 1562	Class Piano II	1 hr
MUSC 2561	Class Piano III	1 hr
MUSC 2562	Class Piano IV	1 hr
MUSC 1311	Theory I	3 hrs
MUSC 2101	Theory II	3 hrs
MUSC 3111	Theory III	3 hrs
MUSC 4011	Theory IV	3 hrs
MUSC 3121	Music History I	3 hrs
MUSC 3122	Music History II	3 hrs
MUSC 3646	Vocal Methods	1 hr
MUSC 3751	Conducting	1 hr
<i>Select one from the following music history courses:</i>		
MUSC 3011	African American Music	3 hrs
MUSC 4010	Contemporary Music History	3 hrs
Instrumental Emphasis		21 hrs
MUSC 2421	Instrumental Methods	2 hrs
MUSC 3201	Symphonic Music Literature	3 hrs
MUSC 4420	Instrumental Pedagogy	2 hrs
MUSC 1421, 1422, 2431, 2432, 3421, 3422, 4421, 4422	Applied Major Area	7 hrs
<i>Choose from the following Ensemble Courses:</i>		
MUSC 1408, 1409, 2408, 2409, 3408, 3409, 4408, 4409, 1808, 1809, 2808, 2809, 3808, 3809, 4808, 4809, 1455, 1456, 2455, 2456, 3455, 3456, 4455, 4456		7 hrs
VPA Electives		6 hrs
Senior Capstone		6 hrs
FINE 3999	Internship	3 hrs
FINE 4999	Senior Thesis	3 hrs
TOTAL 120 hours		

Program of Study –		
Bachelor of Fine Arts - Music Concentration (Piano)		
Areas A, B, C, D, E, and additional requirements		42 hrs
Area F		18 hrs
CLAS 1130	First Year Experience	2 hrs
FINE 1101	FYE Arts Practices	1 hr
FINE 2104	Portfolio Career Marketing	3 hrs
FINE 2909	Arts Administration	3 hrs
FINE 2999	Legal Aspects of the Arts	3 hrs
<i>Foreign Language Sequence</i>		<i>6 hrs</i>
Foreign Language I		3 hrs
Foreign Language II		3 hrs
Music Core Courses		22 hrs
MUSC 1000	Recital (7 semesters)	0 hrs
MUSC 1311	Theory I	3 hrs
MUSC 2101	Theory II	3 hrs
MUSC 3111	Theory III	3 hrs
MUSC 4011	Theory IV	3 hrs
MUSC 3121	Music History I	3 hrs
MUSC 3122	Music History II	3 hrs
MUSC 3751	Conducting	1 hr
<i>Select one from the following music history courses:</i>		
MUSC 3011	African American Music	3 hrs
MUSC 4010	Contemporary Music History	3 hrs
Piano Emphasis		25 hrs
MUSC 1651	Class Voice	1 hr
MUSC 3560	Piano Pedagogy	1 hr
MUSC 4511	Keyboard Literature	1 hr
MUSC 4512	Piano Literature	1 hr
MUSC 3531	Accompaniment	1 hr
MUSC 3532	Accompaniment	1 hr
MUSC 4531	Accompaniment	1 hr
MUSC 1534, 1535, 2534, 2535, 3534, 3535, 4534, 4535	Applied Major Area	7 hrs
MUSC 1644, 1645, 2644, 2645		4 hrs
<i>Choose from the following Ensemble Courses:</i>		
MUSC 1608, 1609, 2608, 2609, 3608, 3609, 4608, 4609, 1711, 1712, 2711, 2712, 3711, 3712, 4711, 4712, 1455, 1456, 2455, 2456, 3455, 3456, 4455, 4456		7 hrs
VPA Electives		6 hrs
Senior Capstone		6 hrs
FINE 3999	Internship	3 hrs
FINE 4999	Senior Thesis	3 hrs
TOTAL		121 hours

Program of Study –		
Bachelor of Fine Arts - Music Concentration (Voice)		
Areas A, B, C, D, E, and additional requirements		42 hrs
Area F		18 hrs
CLAS 1130	First Year Experience	2 hrs
FINE 1101	FYE Arts Practices	1 hr
FINE 2104	Portfolio Career Marketing	3 hrs
FINE 2909	Arts Administration	3 hrs
FINE 2999	Legal Aspects of the Arts	3 hrs
<i>Foreign Language Sequence</i>		<i>6 hrs</i>
Foreign Language I		3 hrs
Foreign Language II		3 hrs
Music Core Courses		27 hrs
MUSC 1000	Recital (7 semesters)	0 hrs
MUSC 1561	Class Piano I	1 hr
MUSC 1562	Class Piano II	1 hr
MUSC 2561	Class Piano III	1 hr
MUSC 2562	Class Piano IV	1 hr
MUSC 1311	Theory I	3 hrs
MUSC 2101	Theory II	3 hrs
MUSC 3111	Theory III	3 hrs
MUSC 4011	Theory IV	3 hrs
MUSC 3121	Music History I	3 hrs
MUSC 3122	Music History II	3 hrs
MUSC 3751	Conducting	1 hr
<i>Select one from the following music history courses:</i>		
MUSC 3011	African American Music	3 hrs
MUSC 4010	Contemporary Music History	3 hrs
Voice Emphasis		22 hrs
MUSC 1651	Class Voice	1 hr
MUSC 3651	Vocal Diction I	1 hr
MUSC 3652	Vocal Diction II	2 hrs
MUSC 3653	Vocal Pedagogy	2 hrs
MUSC 4611	Song Literature	2 hrs
MUSC 1644, 1645, 2644, 2645, 3644, 3645, 4644, 4645	Applied Major Area	7 hrs
<i>Choose from the following Ensemble Courses:</i>		
MUSC 1608, 1609, 2608, 2609, 3608, 3609, 4608, 4609, 1711, 1712, 2711, 2712, 3711, 3712, 4711, 4712		7 hrs
VPA Electives		6 hrs
Senior Capstone		6 hrs
FINE 3999	Internship	3 hrs
FINE 4999	Senior Thesis	3 hrs
TOTAL		120 hours

Program of Study –		
Bachelor of Fine Arts - Visual Arts Concentration		
Areas A, B, C, D, E, and additional requirements		42 hrs
Area F		18 hrs
CLAS 1130	First Year Experience	2 hrs
FINE 1101	FYE Arts Practices	1 hr
FINE 2104	Portfolio Career Marketing	3 hrs
FINE 2909	Arts Administration	3 hrs
FINE 2999	Legal Aspects of the Arts	3 hrs
<i>Foreign Language Sequence</i>		<i>6 hrs</i>
Foreign Language I		3 hrs
Foreign Language II		3 hrs
Visual Arts Major Required Courses		24 hrs
ARTS 1010	Drawing I	3 hrs
ARTS 1011	Drawing II	3 hrs
ARTS 1030	3D Design	3 hrs
ARTS 1060	Color Composition	3 hrs
ARTS 2800	New Media Design	3 hrs
ARTH 4602	Art History I	3 hrs
ARTH 4603	Art History II	3 hrs
<i>Select one from the following art history courses:</i>		
ARTH 3601	African American Art	3 hrs
ARTH 4600	African Art	3 hrs
ARTH 4604	Contemporary Art	3 hrs
FINE 4909	Special Topics	3 hrs
Visual Arts Studio Emphasis		21 hrs
<i>Choose four (4) art studio courses (One course must be 2D concept; one must be 3D concept):</i>		
ARTS 3101, 3201, 3301, 3401, 3512, 3601, 3701, THEA 2601, 3004, 3125		12 hrs
<i>Choose three upper division studio courses</i>		
ARTS 3012, 3122, 3211, 3311, 3411, 3611, 3711, or Special Topics		9 hrs
Senior Capstone		9 hrs
ARTS 4900	Issues in Studio Arts	3 hrs
FINE 3999	Internship	3 hrs
FINE 4999	Senior Thesis	3 hrs
General Electives		6 hrs
TOTAL 120 hours		

Program of Study –		
Bachelor of Fine Arts - Theater Concentration		
Areas A, B, C, D, E, and additional requirements		42 hrs
Area F		18 hrs
CLAS 1130	First Year Experience	2 hrs
FINE 1101	FYE Arts Practices	1 hr
FINE 2104	Portfolio Career Marketing	3 hrs
FINE 2909	Arts Administration	3 hrs
FINE 2999	Legal Aspects of the Arts	3 hrs
<i>Foreign Language Sequence</i>		<i>6 hrs</i>
Foreign Language I		3 hrs
Foreign Language II		3 hrs
Visual Arts Major Required Courses		18 hrs
DNCE 1501	Dance Fundamentals	3 hrs
THEA 2601	Stagecraft	3 hrs
THEA 3122	Movement I	3 hrs
THEA 3123	Movement II	3 hrs
THEA 3125	Stage Makeup & Costume	3 hrs
<i>Choose one Theater History Course not required elsewhere:</i>		
THEA 4051, 4055, 4056, 4058; FINE 4909		3 hrs
Theatre Emphasis		27 hrs
THEA 3101	Acting I	3 hrs
THEA 4101	Acting II	3 hrs
THEA 4055	Theatre History I	3 hrs
THEA 4056	Theatre History II	3 hrs
THEA 4201	Directing	3 hrs
<i>Choose four (4) additional Theater courses:</i>		
THEA 2525, 3004, 4103, 4104, 4105; SPEH 2101, 2111; FINE 4909; MUSC 4645		12 hrs
Senior Capstone		9 hrs
THEA 4111	Performance, Production and Management	3 hrs
FINE 3999	Internship	3 hrs
FINE 4999	Senior Thesis	3 hrs
General Electives		6 hrs
TOTAL 120 hours		

**Program of Study –
Bachelor of Fine Arts - Music Education Concentration
(Instrumental)**

Areas A, B, C, D, E, and additional requirements 42 hrs

Area F 18 hrs

EDUC 1103	FYE for Future Educators	2 hrs
FINE 1101	FYE Arts Practices	1 hr
EDUC 2100	Reading and Writing Strategies	3 hrs
EDUC 2110	Investigating Critical and Contemporary Issues in Education	3 hrs
EDUC 2120	Socio-cultural Influences in Teaching and Learning	3 hrs
EDUC 2130	Exploring Teaching and Learning	3 hrs
MUSC 2501	Music Technology in the Classroom	3 hrs

Music Core Courses 21 hrs

MUSC 1000	Recital (4 semesters)	0 hrs
MUSC 1561	Class Piano I	1 hr
MUSC 1562	Class Piano II	1 hr
MUSC 2561	Class Piano III	1 hr
MUSC 2562	Class Piano IV	1 hr
MUSC 1311	Theory I	3 hrs
MUSC 2101	Theory II	3 hrs
MUSC 3111	Theory III	3 hrs
MUSC 4011	Theory IV	3 hrs
MUSC 3121	Music History I	3 hrs
MUSC 3122	Music History II	3 hrs
MUSC 3646	Vocal Methods	1 hr
MUSC 3751	Conducting	1 hr

Instrumental Emphasis 14 hrs

MUSC 2421	Instrumental Methods	2 hrs
MUSC 3753	Instrumental Conducting	2 hrs
MUSC 4420	Instrumental Pedagogy	2 hrs
MUSC 1421, 1422, 2431, 2432	Applied Major Area	4 hrs

Choose from the following Ensemble Courses:

MUSC 1408, 1409, 2408, 2409, 3408, 3409, 4408, 4409, 1808, 1809, 2808, 2809, 3808, 3809, 4808, 4809, 1455, 1456, 2455, 2456, 3455, 3456, 4455, 4456		4 hrs
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Education Concentration 25 hrs

EDUC 3030	Teaching Exceptional Learners	3 hrs
EDUC 3200	Curriculum & Assessment	3 hrs
MUSC 4417	Music in Elementary Schools	2 hrs
MUSC 4418	Music in Secondary Schools	2 hrs
EDUC 4475	Student Teaching/Internship	10 hrs
EDUC 4476	Student Teaching Seminar	2 hrs

TOTAL 120 hours

**Program of Study –
Bachelor of Fine Arts - Music Education Concentration
(Choral/Piano)**

Areas A, B, C, D, E, and additional requirements 42 hrs

Area F 18 hrs

EDUC 1103	FYE for Future Educators	2 hrs
FINE 1101	FYE Arts Practices	1 hr
EDUC 2100	Reading and Writing Strategies	3 hrs
EDUC 2110	Investigating Critical and Contemporary Issues in Education	3 hrs
EDUC 2120	Socio-cultural Influences in Teaching and Learning	3 hrs
EDUC 2130	Exploring Teaching and Learning	3 hrs
MUSC 2501	Music Technology in the Classroom	3 hrs

Music Core Courses 21 hrs

MUSC 1000	Recital (4 semesters)	0 hrs
MUSC 1311	Theory I	3 hrs
MUSC 2101	Theory II	3 hrs
MUSC 3111	Theory III	3 hrs
MUSC 4011	Theory IV	3 hrs
MUSC 3121	Music History I	3 hrs
MUSC 3122	Music History II	3 hrs
MUSC 2421	Instrumental Methods	2 hrs
MUSC 3751	Conducting	1 hr

Choral/Piano Emphasis 18 hrs

MUSC 1651	Class Voice	1 hr
MUSC 3560	Piano Pedagogy	1 hr
MUSC 3620	Choral Techniques	3 hr
MUSC 3651	Vocal Diction I	1 hr
MUSC 3752	Choral Conducting	2 hrs
MUSC 3531	Accompaniment	1 hr
MUSC 3532	Accompaniment	1 hr
MUSC 4531	Accompaniment	1 hr
MUSC 1534, 1535, 2534, 2535	Applied Major Area	4 hrs

Choose from the following Ensemble Courses:

MUSC 1608, 1609, 2608, 2609, 3608, 3609, 4608, 4609, 1711, 1712, 2711, 2712, 3711, 3712, 4711, 4712, 1455, 1456, 2455, 2456, 3455, 3456, 4455, 4456		3 hrs
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Education Concentration 25 hrs

EDUC 3030	Teaching Exceptional Learners	3 hrs
EDUC 3200	Curriculum & Assessment	3 hrs
MUSC 4417	Music in Elementary Schools	2 hrs
MUSC 4418	Music in Secondary Schools	2 hrs
EDUC 4475	Student Teaching/Internship	10 hrs
EDUC 4476	Student Teaching Seminar	2 hrs

TOTAL 124 hours

**Program of Study –
Bachelor of Fine Arts - Music Education Concentration
(Voice)**

Areas A, B, C, D, E, and additional requirements 42 hrs

Area F 18 hrs

EDUC 1103	FYE for Future Educators	2 hrs
FINE 1101	FYE Arts Practices	1 hr
EDUC 2100	Reading and Writing Strategies	3 hrs
EDUC 2110	Investigating Critical and Contemporary Issues in Education	3 hrs
EDUC 2120	Socio-cultural Influences in Teaching and Learning	3 hrs
EDUC 2130	Exploring Teaching and Learning	3 hrs
MUSC 2501	Music Technology in the Classroom	3 hrs

Music Core Courses 20 hrs

MUSC 1000	Recital (7 semesters)	0 hrs
MUSC 1561	Class Piano I	1 hr
MUSC 1562	Class Piano II	1 hr
MUSC 2561	Class Piano III	1 hr
MUSC 2562	Class Piano IV	1 hr
MUSC 1311	Theory I	3 hrs
MUSC 2101	Theory II	3 hrs
MUSC 3111	Theory III	3 hrs
MUSC 4011	Theory IV	3 hrs

MUSC 3121	Music History I	3 hrs
MUSC 3122	Music History II	3 hrs
MUSC 3751	Conducting	1 hr

Voice Emphasis 15 hrs

MUSC 1651	Class Voice	1 hr
MUSC 3620	Choral Techniques	3 hr
MUSC 3651	Vocal Diction I	1 hr
MUSC 3752	Choral Conducting	2 hrs
MUSC 3653	Vocal Pedagogy	2 hrs
MUSC 1644, 1645, 2644, 2645, 3644, 3645, 4644, 4645	Applied Major Area	3 hrs

Choose from the following Ensemble Courses:

MUSC 1608, 1609, 2608, 2609, 3608, 3609, 4608, 4609, 1711, 1712, 2711, 2712, 3711, 3712, 4711, 4712		3 hrs
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Education Concentration 25 hrs

EDUC 3030	Teaching Exceptional Learners	3 hrs
EDUC 3200	Curriculum & Assessment	3 hrs
MUSC 4417	Music in Elementary Schools	2 hrs
MUSC 4418	Music in Secondary Schools	2 hrs
EDUC 4475	Student Teaching/Internship	10 hrs
EDUC 4476	Student Teaching Seminar	2 hrs

TOTAL 120 hours

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.

Department of Journalism and Mass Communication

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 and submit the senior portfolio.

Program of Study –

Bachelor of Arts in Mass Communication - Journalism

Areas A, B, C, D, E, and additional requirements 42 hrs

Area F 18 hrs

COMM 2101 Writing for Multimedia 3 hrs

COMM 2105 Mass Media in Society 3 hrs

COMM 2106 African Americans in the Media or

COMM 2107 Women in the Media 3hrs

COMM 2810 Intro to Comm Research 3hrs

Foreign Language

(Any Foreign Language - Spanish Recommended) 6 hrs

Foreign Language I 3 hrs

Foreign Language II 3 hrs

Hours required for the Major 30 hrs

COMM 3120 Intro to Comm Theory 3 hrs

COMM 3110 Multimedia Design and Prod. 3 hrs

COMM 3105 News Writing & Reporting 3 hrs

COMM 3201 Feature Reporting & Writing 3 hrs

COMM 4170 Magazine Writing & Reporting 3 hrs

COMM 4201 Copy Editing 3 hrs

COMM 4705 Media Ethics & The Law 3 hrs

COMM 4902 Professional Internship 3 hrs

COMM 4106 Comm. Practicum 3 hrs

Major Option - Select one from the following:

COMM 3101 Media Arts & Design 3 hrs

COMM 3102 Photography for Multimedia 3 hrs

COMM 3301 Intro to Multimedia Production 3 hrs

COMM 3302 Speech for Multimedia 3 hrs

COMM 4105 Opinion and Editorial Writing 3 hrs

COMM 3106, 3951, 3952, 4950, 4951, 4952, 4953, 4954, 4955, 4956 Special Topics 3 hrs

Additional Requirements 8 hrs

COMM 1000 Mass Comm Colloquium 2 hrs

GEOG 1101 Human Geography 3 hrs

SPEH 4101 Advanced Speech 3 hrs

General Electives 9 hrs

Minor Requirements 15 hrs

Mass communications majors can select a minor (15 credit hours) from one of the many minor programs offered by the university. Students who choose not to minor in a specific discipline can instead complete 15 credit hours outside the mass communications major. At least three of the courses must be 3000 level or higher. Should a student decide to complete the five courses in place of a 15-credit hour minor, the student can earn only one "D" in one of the five courses. The student must earn a grade of "C" or better in the remaining four courses.

TOTAL 122 hours

Program of Study – Bachelor of Arts in Mass Communication - Multimedia & Digital Communications**Areas A, B, C, D, E, and additional requirements 42 hrs****Area F 18 hrs**

COMM 2101 Writing for Multimedia 3 hrs

COMM 2105 Mass Media in Society 3 hrs

COMM 2106 African Americans in the Media or

COMM 2107 Women in the Media 3hrs

COMM 2810 Intro to Comm Research 3hrs

Foreign Language*(Any Foreign Language - Spanish Recommended)* 6 hrs

Foreign Language I 3 hrs

Foreign Language II 3 hrs

Hours required for the Major 30 hrs

COMM 3120 Intro to Comm Theory 3 hrs

COMM 3303 Scriptwriting for Media 3 hrs

COMM 3301 Intro to Multimedia Prod. 3 hrs

COMM 4107 Adv. Video & Post Prod 3 hrs

COMM 4110 Audio Prod. & Sound Design 3 hrs

COMM 4705 Media Ethics & The Law 3 hrs

COMM 4815 The Documentary 3 hrs

COMM 4902 Professional Internship 3 hrs

COMM 4106 Comm. Practicum 3 hrs

Major Option - Select one from the following:

COMM 3101 Media Arts & Design 3 hrs

COMM 3102 Photography for Multimedia 3 hrs

COMM 3110 Multimedia Design and Prod 3 hrs

COMM 3302 Speech for Multimedia 3 hrs

COMM 3306 Intro to Audio Prod. 3 hrs

COMM 4108 Film & TV Directing 3 hrs

COMM 4111 Film & TV Editing 3 hrs

COMM 3106, 3951, 3952, 4950, 4951, 4952,
4953, 4954, 4955, 4956 Special Topics 3 hrs**Additional Requirements 8 hrs**

COMM 1000 Mass Comm Colloquium 2 hrs

GEOG 1101 Human Geography 3 hrs

SPEH 4101 Advanced Speech 3 hrs

General Electives 9 hrs**Minor Requirements 15 hrs**

Mass communications majors can select a minor (15 credit hours) from one of the many minor programs offered by the university.

Students who choose not to minor in a specific discipline can instead complete 15 credit hours outside the mass communications major. At least three of the courses must be 3000 level or higher. Should a student decide to complete the five courses in place of a 15-credit hour minor, the student can earn only one “D” in one of the five courses. The student must earn a grade of “C” or better in the remaining four courses.

TOTAL 122 hours

**Program of Study –
Bachelor of Arts in Mass Communication -
Public Relations & Strategic Communication
Areas A, B, C, D, E, and additional requirements 42 hrs**

Area F 18 hrs

COMM 2101 Writing for Multimedia	3 hrs
COMM 2105 Mass Media in Society	3 hrs
COMM 2106 Afr Amr. in the Media or	
COMM 2107 Women in the Media	3hrs
COMM 2810 Intro to Comm Research	3hrs

Foreign Language

(Any Foreign Language - Spanish Recommended) 6 hrs

Foreign Language I	3 hrs
Foreign Language II	3 hrs

Hours required for the Major 30 hrs

COMM 3120 Intro to Comm Theory	3 hrs
COMM 3110 Multimedia Design and Prod.	3 hrs
COMM 3401 Intro to PR & Strategic Comm	3 hrs
COMM 4101 Strategic Comm. Writing	3 hrs
COMM 4402 Strategic Campaign Principles	3 hrs
COMM 4406 Strategic Campaign Production	3 hrs
COMM 4705 Media Ethics & The Law	3 hrs
COMM 4902: Professional Internship	3 hrs
COMM 4106 Comm. Practicum	3 hrs

Major Option - Select one from the following:

COMM 3101 Media Arts & Design	3 hrs
COMM 3102 Photography for Multimedia	3 hrs
COMM 3105 News Writing & Reporting	3 hrs
COMM 3302 Speech for Multimedia	3 hrs
COMM 4105 Opinion and Editorial Writing	3 hrs
COMM 3106, 3951, 3952, 4950, 4951, 4952, 4953, 4954, 4955, 4956 Special Topics	3 hrs

Additional Requirements 8 hrs

COMM 1000 Mass Comm Colloquium	2 hrs
GEOG 1101 Human Geography	3 hrs
SPEH 4101 Advanced Speech	3 hrs

General Electives 9 hrs

Minor Requirements 15 hrs

Mass communications majors can select a minor (15 credit hours) from one of the many minor programs offered by the university. Students who choose not to minor in a specific discipline can instead complete 15 credit hours outside the mass communications major. At least three of the courses must be 3000 level or higher. Should a student decide to complete the five courses in place of a 15-credit hour minor, the student can earn only one "D" in one of the five courses. The student must earn a grade of "C" or better in the remaining four courses.

TOTAL 122 hours

Mass Communication Minor 15 hrs

Required:

COMM 2101 Writing for Multimedia	3 hrs
COMM 3110 Multimedia Design and Prod	3 hrs
COMM 3120 Introduction to Comm Theory	3 hrs
COMM 3302 Speech for Multimedia	3 hrs
COMM 3401 Intro to PR and Strategic Comm	3 hrs

Department of Social and Behavioral Sciences

The Department of Social and Behavioral Sciences is one of the most academically diverse units of the University. The Department offers Bachelor of Arts degrees in African Studies and History, and Bachelor of Science degrees in Behavior Analysis, Criminal Justice, and Sociology. These programs prepare students for graduate studies and career goals. Students will receive specialized training and gain exposure to multidisciplinary activities designed to help them develop historical consciousness, awareness of civic responsibilities, appreciation of cultural diversity, understanding of both human and nonhuman animal behavior, and interpersonal relationships.

Africana Studies

The Africana Studies Program is a multidisciplinary field of inquiry committed to preserving African and African American culture. Established in 1997 at Georgia's first public Historically Black University, it is the premier degree-granting program of Black Studies in the city of Savannah. Africana Studies graduates find employment in schools, museums, libraries, archives, and agencies that address issues related to the experiences of Africans and African Americans. The Program also prepares students to pursue graduate studies in Black Studies, history, psychology, sociology, anthropology, political science, law, and related fields.

Behavior Analysis

The Behavior Analysis Program at SSU is unique in the nation for its undergraduate degree offering. Students can begin a career helping people live better lives or prepare for graduate studies in behavior analysis or a variety of subfields of Psychology. Students will learn the fundamental principles of behavior and the science of behavior change in a context of ethical responsibility. The Behavior Analyst Certification Board, Inc.® has approved 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.

Criminal Justice

The Criminal Justice Program is one of the most popular majors at SSU with a large student enrollment. The Program provides an understanding of how the justice system functions and an exploration of scholarship related to crime and the administration of justice. Students are trained with analytical, critical thinking, writing and technology skills. Criminal Justice majors are employed in law enforcement, public safety and related positions, or pursue graduate law degrees. A fully-online option is available.

History

The History Program offers courses in American, African-American, African, Asian, European and Latin American history. Rigorous courses and internships led by experts in the field prepare students for graduate school and careers as teachers, museum professionals, researchers, documentary filmmakers, journalists, and beyond. Program graduates demonstrate literacy in the content and uses of historical information, as well as gain critical thinking and writing skills, and knowledge of academic conventions in research papers.

Sociology

The Sociology Program provides students with an opportunity to study social life, including the causes and consequences of human behavior. The Program focuses on training students in research methods, statistics, theory, demography, and observation within our social environment. The goal is to prepare students for graduate school or employment in a wide range of occupations in the public and private sector, such as social research, education, the health professions, business, social service, data processing and numerous other potential fields of interest. The study of sociology is also a popular undergraduate major for students planning further study in professions such as law, business, education, social work, public administration, and urban and regional study.

Program of Study –**Bachelor of Arts in Africana Studies****Areas A, B, C, D, E, and additional requirements 42 hrs****CLAS 1103 First Year Experience 2 hrs****Area F 18 hrs**

AFRS 2000 Introduction to Africana Studies 3 hrs

Choose one (1) of the following:

HIST 1111 World History to Early Modern Times 3 hrs

HIST 1112 World History from Early Modern
Times – Present 3 hrs*Choose one (1) of the following:*

HIST 2111 US History to the Post Civil War Period 3 hrs

HIST 2112 US History from Post Civil War-present 3 hrs

Choose one (1) of the following:

GEOG 1101 Introduction to Human Geography 3 hrs

ANTH 1101 Introduction to Anthropology 3 hrs

Foreign Language 6 hrs

Foreign Language I 3 hrs

Foreign Language II 3 hrs

***Hours required for the Major 18 hrs**

AFRS 3141 African Politics 3 hrs

AFRS 3301 African American History to 1900 3 hrs

AFRS 3501 Survey of African Culture 3 hrs

AFRS 4501 African Am & Pan Africanism 3 hrs

AFRS 4601 Senior Seminar 3 hrs

AFRS 4701 African since 1885 3 hrs

Category I: Social Sciences 6 hrsSelect from the following:*

AFRS 3000 Africana Political Ideology & Phil 3 hrs

AFRS 3102 African & African American Families 3 hrs

AFRS 3111 Africana Woman 3 hrs

AFRS 3120 African American Aging 3 hrs

AFRS 3312 African Americans in the 20th century 3 hrs

AFRS 3601 African American Politics 3 hrs

AFRS 3961 Internship 3 hrs

AFRS 4311 Psychology of African American Exper 3 hrs

**Category II: Liberal Arts 6 hrs*

COMM 2106 African Americans in the Media 3 hrs

MUSC 3011 African Music 3 hrs

AFRS 3211 Religion & African Thought Systems 3 hrs

ENGL 3212 African American Oral Tradition 3 hrs

ENGL 3216 African American Poetry 3 hrs

ARTH 3601 African American Art 3 hrs

FREN 4100 Survey of African & Caribbean 3 hrs

AFRS 4211 African American Drama 3 hrs

*General Electives 15 hrs*****Minor Requirements 15 hrs****TOTAL 122 hours****Minimum Grade of C required****Some minors require minimum grade of C**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 –**Bachelor of Science in Behavior Analysis****Areas A, B, C, D, E, and additional requirements 42 hrs****CLAS 1103 First Year Experience 2 hrs*****Area F 18 hrs**

BEHV 1101	Intro to Behavior Analysis	3 hrs
BEHV 2000	Basic Concepts in Behavior Analysis	3 hrs
BEHV 2101	History of Behavior Analysis	3 hrs
BEHV 2103	Behavior Statistics	3 hrs
BEHV 2105	Research Methods in Behavioral Science	3 hrs
PSYC 1101	Intro to General Psychology	3 hrs

Hours required for the Major 34 hrs*Major Requirements 19 hrs**

BEHV 3103	Measurement in Behavior Analysis	3 hrs
BEHV 3104	Behavior Change in Behavior Analysis	3 hrs
BEHV 3105	Learning and Motivation	3 hrs
BEHV 3117	Behavior Assessment & Behavior Change	3 hrs
BEHV 3740	Behavior Ethics	3 hrs
BEHV 4213	Research Seminar	4 hrs

Major Electives (Select 5 courses from the following) 15 hrs**At least 9 hours in this area must be BEHV classes**

BEHV 3106	Behavioral Neuroscience	3 hrs
BEHV 3118	Multicultural and Social Issues in Behavior Analysis	3 hrs
BEHV 3710	Autism Spectrum Disorders	3 hrs
BEHV 3720	Community Applications of Behavior Analysis	3 hrs
BEHV 3730	Organizational Behavior Management	3 hrs
BEHV 4000	Special Topics	3 hrs
BEHV 4212	Internship	3 hrs
PSYC 3301	Social Psychology	3 hrs
PSYC 3311	Group Process	3 hrs
PSYC 3401	Tests and Measurements	3 hrs
PSYC 4101	Theories of Personality	3 hrs
PSYC 4201	Health Psychology	3 hrs
PSYC 4311	Psychology of the African American Experience	3 hrs
PSYC 4601	Diagnostic Analyses	3 hrs
PSYC 4602	Special Topic	3 hrs
PSYC 4701	Abnormal Behavior	3 hrs

********#Minor, Concentration, and/or General Electives 24 hrs****--at least 5 hours in this area must be 3000-level or above*****A minimum grade of "C" is required for these courses******Some minors require minimum grade of C****TOTAL 120 hours**

Program of Study –**Bachelor of Science in Criminal Justice****Areas A, B, C, D, E, and additional requirements 42 hrs****CLAS 1103 First Year Experience 2 hrs****Area F 18 hrs**

CRJU 1101	Intro to Criminal Justice	3 hrs
CRJU 2102	Police and Society	3 hrs
SOCI 1101	Introduction to Sociology	3 hrs
SOCI 2101	Social Statistics	3 hrs

Foreign Language Sequence: Two consecutive courses

at any level 6 hrs

Foreign Language I 3 hrs

Foreign Language II 3 hrs

***Hours required for the Major 21 hrs**

CRJU 3111	American Courts	3 hrs
CRJU 3121	Corrections	3 hrs
CRJU 3131	Social Research Meth.	3 hrs
CRJU 3610	Theories of Criminal Behavior	3 hrs
CRJU 4301	Jurisprudence of Criminal Law	3 hrs
CRJU 4311	Juvenile Justice	3 hrs
CRJU 4901	Senior Seminar	3 hrs

***Major Electives 18 hrs**

Any combination of 3000 and 4000 level courses from the following:

CRJU 3301	Constitutional Law	3 hrs
CRJU 3321	Race, Gender, Class and Crime	3 hrs
CRJU 3361	Human Behavior	3 hrs
CRJU 3432	Community Policing	3 hrs
CRJU 3521	Drugs, Alcohol and Crime	3 hrs
CRJU 3901	Internship	6 hrs
CRJU 4101	Independent Study	3 hrs
CRJU 4111	Criminology	3 hrs
CRJU 4331	Comparative Criminal Justice	
	System	3 hrs
CRJU 4411	Criminal Investigations	3 hrs
CRJU 4420	Crime Analysis	3 hrs
CRJU 4501	Violence, Crime and Justice	3 hrs
CRJU 4521	Criminal Justice Management	3 hrs
CRJU 4601	Special Topics	3 hrs
SOCI 4135	Sociology of Law	3 hrs

General Electives 6 hrs****Major Electives or Approved Minor/Concentration 15 hrs****TOTAL 122 hours**

***Minimum grade of C required**

****Some minors require minimum grade of C**

Program of Study –**Bachelor of Arts in History****Areas A, B, C, D, E, and additional requirements 42 hrs****CLAS 1103 First Year Experience 2 hrs****Area F 18 hrs**

HIST 1111 World Hist to Early Modern Times 3 hrs

HIST 1112 World Hist from Early Mod Times
to Pres 3 hrs

HIST 2111 U.S. History to Post-Civil War 3 hrs

GEOG 1101 Introduction to Human Geography 3 hrs

*Foreign Language Sequence: Two consecutive
courses at any level 6 hrs*

Foreign Language I 3 hrs

Foreign Language II 3 hrs

***Hours required for the Major 18 hrs**

HIST 3101 Historical Research 3 hrs

HIST 3312 African Amer Hist in the 20th Cent 3 hrs

HIST 3412 History of Modern Europe 3 hrs

HIST 3502 The American Revolution and the
New Nation 3 hrs

HIST 4601 Latin America in the Modern World 3 hrs

HIST 4901 Senior Seminar 3 hrs

Major Electives 12 hrsChoose four (4) with at least one from Categories I, II, and III. Category IV is optional:***Category I: African and African American History**

HIST 3301 African American Hist before 1900 3 hrs

HIST 4301 History of Africana Thought 3 hrs

HIST 4701 African History before 1800 3 hrs

HIST 4702 African History since 1800 3 hrs

Category II: Asian and Latin American HistoryHIST 3601 Colonial and Early National
Latin American History 3 hrs

HIST 3801 Modern Asian History 3 hrs

HIST 4801 History of China since 1600 3 hrs

HIST 4805 20th Century East Asian Economic
History 3 hrs**Category III: Western History**

HIST 3411 History of Early Modern Europe 3 hrs

HIST 3501 Colonial American History 3 hrs

HIST 3503 American Civil War and
Reconstruction 3 hrs

HIST 3504 Recent American History 3 hrs

HIST 4411 History of Modern Britain 3 hrs

HIST 4511 Topics in American History 3 hrs

Category IV: Other (Optional)

HIST 3901 Internship 6 hrs

HIST 3909 Readings in History 3 hrs

Electives 15 hrs

See your advisor for the double major or AFRS concentration - electives are 2000 and above courses

****Minor (Optional) 15 hrs**

9 hours must be 3000 and above

TOTAL 122 hours

*Minimum grade of C required

**Some minors require minimum grade of C

History majors have to take both HIST 1111 and HIST 1112 and HIST 2111 and HIST 2112

Program of Study –**Bachelor of Science in Sociology****Areas A, B, C, D, E, and additional requirements 42 hrs****CLAS 1103 First Year Experience 2 hrs****Area F 18 hrs**

SOCI 1101 Introductory Sociology 3 hrs

PSYC 1101 Intro to General Psychology 3 hrs

SOCI 2101 Social Statistics 3 hrs

GEOG 1101 Human Geography or

ANTH 1101 Anthropology 3 hrs

Foreign Language Sequence: Two consecutive courses at any level 6 hrs

Foreign Language I 3 hrs

Foreign Language II 3 hrs

***Hours required for the Major 15 hrs**

SOCI 3611 Minorities in the Social Environment 3 hrs

SOCI 3036 Social Stratification 3 hrs

SOCI 3201 Classical Theory or

SOCI 4312 Contemporary Theory 3 hrs

SOCI 3401 Research Methods 3 hrs

SOCI 4901 Senior Seminar 3 hrs

Major Electives 18 hrsSelect four (4) from the following 3000 level courses:*

SOCI 3101 The Family 3 hrs

SOCI/GEOG 3122 Sociology of Poverty 3 hrs

SOCI 3201 Classical Theory 3 hrs

SOCI 3219 Social Deviance 3 hrs

SOCI 3360 Sociology of Aging 3 hrs

SOCI 3425 Sex, Roles and Gender 3 hrs

SOCI/GEOG 3621 Demography 3 hrs

SOCI 3631 Urban Sociology 3 hrs

SOCI 3651 Sociology of Religion 3 hrs

SOCI 3901 Internship 6 hrs

Select two (2) of the following 4000 level courses:

SOCI 4101 Independent Study 3 hrs

SOCI/CRJU 4111 Criminology 3 hrs

SOCI 4135 Sociology of Law 3 hrs

SOCI/CRJU 4311 Juvenile Delinquency 3 hrs

SOCI 4312 Contemporary Theory 3 hrs

SOCI 4421 Seminar of the African American

Experience 3 hrs

SOCI 4601 Special Topics 3 hrs

General Electives 12 hrs****Minor (Optional) 15 hrs**

9 hours must be 3000 or 4000 level courses

TOTAL 120 hrs

*Minimum grade of C required

**Some minors require minimum grade of C

Minors in the Department of Social and Behavioral Sciences

***Africana Studies Minor 15 hrs**

AFRS 2000	Introduction to Africana Studies	3 hrs
HIST 3301	Africana American Hist to 1900	3 hrs
Select three upper level courses from the following: 9 hrs		
AFRS 3301	African American History to 1877	3 hrs
AFRS 3312	African Americans in the 20 th Century	3 hrs
AFRS 3000	Africana Political Ideology and Philosophy	3 hrs
AFRS 3501	Survey of African Cultures and Societies	3 hrs
AFRS 3111	The Africana Woman	3 hrs
AFRS 3102	The African American Family	3 hrs
AFRS 3211	African American Religion	3 hrs
AFRS 4501	African Americans, Africa, and Pan-Africanism	3 hrs
AFRS 4602	Special Topics in African Studies	3 hrs
AFRS 4311	Behavior of African Americans	3 hrs
HIST 4701	African History to 1800	3 hrs
HIST 4702	African History since 1800	3 hrs
POLS 3601	African American Politics	3 hrs
POLS 3141	African Politics	3 hrs
ENGL 3212	African American Oral Tradition	3 hrs
ENGL 3218	African – Caribbean Literature	3 hrs
ENGL 3211	African American Drama	3 hrs
ENGL 3217	African American Fiction	3 hrs
ENGL 3219	African American Non-fiction	3 hrs
ENGL 4200	African Literature	3 hrs

*Minimum grade of C required in all minor classes

***Behavior Analysis Minor 15 hrs**

BEHV 1101	Introduction to Behavior Analysis	3 hrs
BEHV 2000	Basic Concepts in Behavior Analysis	3 hrs
BEHV 3104	Behavior Change in Behavior Analysis	3 hrs
Two upper level BEHV courses		6 hrs

*Minimum grade of C required in all minor classes

***Criminal Justice Minor 15 hrs**

CRJU 1101	Introduction to Criminal Justice	3 hrs
CRJU 3301	Constitutional Law in the Criminal Process or	
CRJU 4301	Criminal Law	3 hrs

Three upper level CRJU classes

(except CRJU 3901 or 4901) 9 hrs

*Minimum grade of C required in all minor classes

***History Minor 15 hrs**

Choose one (1) of the following four (4) courses:

HIST 1111	World History to Early Modern Times	3 hrs
HIST 1112	World History from Early Modern Times -	3 hrs

HIST 2111 US History to the Post Civil War Period 3 hrs

HIST 2112 US History from Post Civil War – pres 3 hrs

One course from Category I, II, and III of the Hist Major 9 hrs

One course from Major requirements 3 hrs

*Minimum grade of C required in all minor classes

***Sociology Minor 15 hrs**

Choose one (1) of the following two (2) courses: 3 hrs

SOCI 1101	Introduction to Sociology	
SOCI 1160	Social Problems	

Choose one (1) of the following two (2) courses: 3 hrs

SOCI 3202	Classical Theory	
SOCI 4312	Contemporary Theory	

Two 3000 level courses (except SOCI 3901 or 4901) 6 hrs

One 4000 level course 3 hrs

*Minimum grade of C required in all minor classes

Department of Social Work

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 1000-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 the 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 are the gateway courses for admission to the BSW program at Savannah State University.

Transfer Students

The SSU Registrar's 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.

Program of Study –

Bachelor of Social Work

Areas A, B, C, D, E, and additional requirements 42 hrs

CLAS 1103 First Year Experience 2 hrs

Health and Physical Education 1 hr

Area F 18 hrs

SOWK 1000 Self Awareness and Prof Dev 3 hrs

SOCI/SOWK 2101 Social Statistic 3 hrs

SOWK 2200 Human Needs and Human Services 3 hrs

Foreign Language Sequence: Two consecutive courses at any level 6 hrs

Foreign Language I 3 hrs

Foreign Language II 3 hrs

Select one (1) 3 hour course from the following:

POLS 2101 Introduction to Political Science 3 hrs

PSYC 1101 Intro to General Psychology 3 hrs

ANTH 1101 Introduction to Anthropology 3 hrs

Hours required for the Major 48 hrs

SOWK 2205 History of Social Welfare 3 hrs

SOWK 3101 Research Methods I 3 hrs

SOWK 3201 HBSE I 3 hrs

SOWK 3202 HBSE II 3 hrs

SOWK 3220 Human Diversity & SW Practice 3 hrs

SOWK 3305 Intro to Social Work Practice 3 hrs

SOWK 3340 Interventive Methods I 3 hrs

SOWK 3341 Interventive Methods II 3 hrs

SOWK 3342 Interventive Methods III 3 hrs

SOWK 4410 Implement of Social Welfare Pol 3 hrs

SOWK 4701 Field Experience I 6 hrs

SOWK 4702 Field Experience II 6 hrs

SOWK 4901 Senior Seminar I 3 hrs

SOWK 4902 Senior Seminar II 3 hrs

Social Work Electives 6 hrs

Select two (2) from the following electives:

SOWK 4106 Social Work Families Children 3 hrs

SOWK 4201 Gerontological Social Work 3 hrs

SOWK 4301 Substance Abuse 3 hrs

SOWK 4510 Crisis Intervention 3 hrs

SOWK 4610 International Issues in Social Work 3 hrs

SOWK 5501 Law Race and Poverty 3 hrs

SOWK 6000 Special Topics 3 hrs

SOWK 6100 Independent Study 3 hrs

General Electives 6 hrs

Select two (2) 3 hour courses from any department

TOTAL 122 hours

- 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 BIOL 1104 (Human Biology) and BIOL 1104L in Area D

Department of Political Science and Public Affairs

Homeland Security and Emergency Management

The SSU Homeland Security and Emergency Management Program (HSEM) 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. Savannah State University expanded its footprint into Liberty County and Hinesville, GA on February 7, 2019, with its partnership with Georgia Southern University's Liberty Campus to offer Homeland Security and Emergency Management (HSEM). 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 122 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 –

Bachelor of Arts in Homeland Security and Emergency Management

Areas A, B, C, D, E, and additional requirements 42 hrs

CLAS 1103 First Year Experience 2 hrs

Area F 18 hrs

HSEM 2101 Introduction to HSEM* 3 hrs

SOCI 2101 Social Statistics 3 hrs

One (1) of the following two (2) courses: 3 hrs

ANTH 1101 Introduction to Anthropology 3 hrs

GEOG 1101 Introduction to Human Geography 3 hrs

One (1) of the following two (2) courses: 3 hrs

HIST 2111 US Hist to the Post Civil War Period 3 hrs

HIST 2112 US Hist from the Post Civil War Period – present 3 hrs

Foreign Language Sequence 6 hrs

Foreign Language I 3 hrs

Foreign Language II 3 hrs

Hours required for the Major 60 hrs

Major Requirements 36 hrs

HSEM 3110 Politics & Policy of HSEM 3 hrs

HSEM 3120 Law & Ethics in HSEM 3 hrs

HSEM 3130 Emergency Planning, Mitigation &

Incident Management 3 hrs

HSEM 3140 Social Diversity in HSEM 3 hrs

HSEM 3250 Risk & Vulnerability Assessment 3 hrs

HSEM 3260 Terrorism in the Modern World 3 hrs

HSEM 3822 Tools for Decision Making in HSEM 3 hrs

HSEM 3840 Effective HSEM Communication & Leadership 3 hrs

HSEM 3901 Internship 3 hrs

HSEM 4901 Senior Capstone Seminar 3 hrs

Foreign Language Sequence (in addition to Area F hours) 6 hrs

Major Electives 9 hrs

3 HSEM 3000 level or 4000 level courses 9 hrs

General Electives 15 hrs

Elective courses or minor course at least three (3) of which must be at the 3000 level or above

TOTAL 122 hours

Minor in Homeland Security & Emergency

HSEM 3130 Emergency Planning, Mitigation & Incident Management 3 hrs

HSEM 3250 Risk Vulnerability Assessment 3 hrs

Three (3) additional HSEM courses at 3000 or above 9 hrs

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 Arts in Political Science

Areas A, B, C, D, E, and additional requirements 42 hrs

CLAS 1103 First Year Experience 2 hrs

Area F 18 hrs

POLS 2101	Intro to Political Science	3 hrs
PSYC 1101	Intro to General Psychology or	
SOCI 1101	Intro to Sociology	3 hrs
GEOG 1101	Human Geography or	
ANTH 1101	Anthropology	3 hrs
SOCI 2101	Social Statistics	3 hrs

Foreign Language Sequence: Two consecutive courses at any level 6 hrs

Foreign Language I 3 hrs

Foreign Language II 3 hrs

Hours required for the Major 12 hrs

POLS 3301	Research Methods	3 hrs
POLS 3601	African American Politics	3 hrs
POLS 4201	Political Theory	3 hrs
POLS 4901	Senior Seminar	3 hrs

Major Electives 18 hrs

Any 6 upper division courses from POLS (3000 or 4000 level)

Major Concentration 6 hrs

General Electives 9 hrs

Minor (Optional) 15 hrs

9 hours must be 3000 or 4000 level courses

TOTAL 122 hours

Minor in Political Science 15 hrs

POLS 4901	3 hrs
Upper division POLS elective	6 hrs
Minor classes (or 2 electives)	6 hrs

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.

Minor in Urban Studies 15 hrs

POLS 3813	Introduction to Urban Planning	3 hrs
POLS 3811	Urban Politics	3 hrs
3 elective courses from the following:		
ANTH 1101	Introduction to Anthropology	3 hrs
BIOL 3621	Urban Health and Hygiene	3 hrs
GEOG 3621	Population Geography	3 hrs
MGNT 3165	Management of Organizations	3 hrs
MGNT 4221	Social Entrepreneurship	3 hrs
MSCI 3702	Intro to Geographical Information Systems	3 hrs
POLS 3101	International Politics	3 hrs

POLS 3301	African American Politics	3 hrs
POLS 3702	Intro to Geographical Information Systems	3 hrs
POLS 3801	Gender and Politics	3 hrs
POLS 4511	Public Policy	3 hrs
SOCI 3122	Sociology of Poverty	3 hrs
SOCI 3611	Minorities and the Social Environment	3 hrs
SOCI 3631	Urban Sociology	3 hrs
SOCI 3401	Social Research	3 hrs

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 an Associate of Science, Core Curriculum. The Associate of Science, Core Curriculum degree is primarily intended to be a transfer degree leading to a STEM baccalaureate degree. The A.S. degree provides a foundation in mathematics and science designed for transfer into a prescribed area of specialization. The AS degree consists of 60 semester credit hours; generally 43 hours of the required core curriculum coursework (Area A-E) and 17 hours of lower division requirements, related to a bachelor's degree field of study (Area F).

Program of Study - Associate of Science, Core Curriculum

Area A – Essential Skills 9 hrs

***AREA A1: Communication Skills**

ENGL 1101	Composition I	3 hrs
ENGL 1102	Composition II	3 hrs

***AREA A2: Quantitative Skills**

Select one of the following:

MATH 1113	Pre-Calculus	3 hrs
MATH 2101	Calculus I	4 hrs

Area B – Institutional Options 5 hrs

AFRS 1501	Survey of African-Amer Exp	2 hrs
HUMN 1201	Critical Thinking & Communication	3 hrs

Area C – Humanities/Fine Arts, and Ethics 6 hrs

Select one of the following:

ENGL 2111	World Literature I	3 hrs
ENGL 2112	World Literature II	3 hrs
ENGL 2121	British Literature I	3 hrs
ENGL 2122	British Literature II	3 hrs
ENGL 2131	American Literature I	3 hrs
ENGL 2132	American Literature II	3 hrs
ENGL 2222	African American Literature	3 hrs
PHIL 2010	Introduction to Philosophy	3 hrs
PHIL 2030	Introduction to Ethics	3 hrs

Select one of the following:

ARTS 1101	Introduction to Visual Art	3 hrs
DNCE 2010	Dance Appreciation	3 hrs
ENGL 2521	Introduction to Film	3 hrs
HUMN 2011	Humanities	3 hrs
MUSC 1101	Introduction to Music	3 hrs
THEA 2101	Introduction to Theatre	3 hrs

***Area D – Natural Sciences, Math & Technology 10 hrs**

Option II – Science Majors

Select one of the following:

BIOL 1107	Principles of Biology I	3 hrs
BIOL 1108	Principles of Biology II	3 hrs
CHEM 1211	Principles of Chemistry I	3 hrs
CHEM 1212	Principles of Chemistry II	3 hrs
CISM 1130	Computer Applications	3 hrs
CSCI 1130	Computer Applications	3 hrs

CSCI 1301	Computer Science I	3 hrs
ENVS 1140	Environmental Issues	3 hrs

Select two of the following lab sciences:

BIOL 1107/1107L	Principles of Biology I	4 hrs
BIOL 1108/1108L	Principles of Biology II	4 hrs
CHEM 1211/1211L	Principles of Chemistry	4 hrs
CHEM 1212/1212L	Principles of Chemistry	4 hrs
PHYS 1111K	Introductory Physics I	4 hrs
PHYS 1112K	Introductory Physics II	4 hrs
PHYS 2211K	Principles of Physics I	4 hrs
PHYS 2212K	Principles of Physics II	4 hrs

Area E – Social Science 12 hrs

POLS 1101	American Government	3 hrs
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Select one of the following:

HIST 2111	U.S. History to the Post-Civil War Period	3 hrs
HIST 2112	U.S. History from the Post-Civil War to Pre	3 hrs

Select two of the following:

AFRS 2000	Introduction to Africana Studies	3 hrs
ANTH 1101	Introduction to Anthropology	3 hrs
ECON 2105	Principles of Macro-Economics	3 hrs
GEOG 1101	Introduction to Human Geography	3 hrs
HIST 1111	World Hist to Early Modern Times	3 hrs
HIST 1112	World History Early Modern Times to Pres	3 hrs
POLS 2401	Global Issues	3 hrs
PSYC 1101	Intro to General Psychology	3 hrs
PSYC 2103	Human Growth & Development	3 hrs
SOCI 1101	Introduction to Sociology	3 hrs
SOCI 1160	Social Problems	3 hrs

Area F Pathway to B.S. in a STEM Program 17 hrs

Select 17 hours from either STEM pathway requirements or 17 hours from a combination of several STEM pathway requirements.

TOTAL 60 hours

***A grade of "C" or better required**

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 Science, Forensic Science, Marine Sciences, Mathematics, Civil Engineering Technology (ABET Accredited), Computer Science Technology, Electronics Engineering Technology, and Mechanical Engineering Technology (ABET Accredited). The College also offers the Regents' Engineering Pathway Program (REPP), which enables the students to complete two years of engineering pathway courses at SSU and then transfer to Georgia Institute of Technology, Georgia Southern University, Kennesaw State University, Mercer University or the University of Georgia to complete a B.S degree in Engineering. In addition, the College offers **Master of Science** degrees in Marine Sciences and Mathematics.

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 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 of the Biology degree programs is to develop each student's ability to acquire and critically interpret knowledge of scientific facts and theories of biology, to relate that knowledge to other subject areas and to communicate his or her understanding to others. The programs prepare students for employment in scientific professions as well as pursuit of advanced degrees and careers in biology or health sciences.

Biology Major

The Department of Biology offers curricula leading to the degree of Bachelor of Science in Biology.

The program emphasizes training to pursue careers in research, education, biomedicine, biotechnology, or unique paths selected by the students in consultation with their faculty advisors. Students should discuss specific options with their faculty 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 is a summary test of biology core course materials 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 biology core courses. The university Core Curriculum is followed by 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 a 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 College of Education (COE), offers a bachelor's degree in biology with a secondary education (6-12) track. Biology education candidates will complete 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 topics that are essential for teaching, synthesizing information, and using technology.

See the College of Education faculty advisors for additional requirements.

Program of Study –

Biology

Areas A, B, C, D, E, and additional requirements 43 hrs

Note: Biology majors are required to enroll in CHEM 1211, 1211L, 1212, and 1212L in Area D

Area F 17 hrs

COST 1103	First Year Experience	2 hrs
BIOL 1107	Principles of Biology I	3 hrs
BIOL 1107L	Principles of Biology I Lab	1 hr
BIOL 1108	Principles of Biology II	3 hrs
BIOL 1108L	Principles of Biology II Lab	1 hr

Choose one (1) of the following two (2) courses:

MATH 2101	Calculus I	4 hrs
MATH 1401	Elementary Statistics	3 hrs

Choose three (3) or four (4) credit hours from:

BIOL 1001	Introduction to Life Science	1 hr
BIOL 2515K	Human Anatomy & Physiology I	4 hrs
BIOL 2516K	Human Anatomy & Physiology II	4 hrs
CSCI 1301	Intro to Computer Science I	3 hrs
MSCI 1810K	Marine Biology	4 hrs

Major Requirements

44-45 hrs

BIOL 3101	Botany	3 hrs
BIOL 3101L	Botany Lab	1 hr
BIOL 3201	Cell Biology	3 hrs
BIOL 3201L	Cell Biology Lab	1 hr
BIOL 3301	Genetics	3 hrs
BIOL 3301L	Genetics Lab	1 hr
BIOL 3321	Microbiology	3 hrs
BIOL 3321L	Microbiology Lab	1 hr
BIOL 3401	Ecology & Evolution Biology	3 hrs
BIOL 3401L	Ecology & Evolution Biology Lab	1 hr
BIOL 3801	Animal Physiology	3 hrs
BIOL 3801L	Animal Physiology Lab	1 hr
BIOL 4921	Senior Seminar Research	2 hrs
BIOL 4930	Senior Synthesis	3 hrs
CHEM 2501	Organic Chemistry I	3 hrs
CHEM 2501L	Organic Chemistry I Lab	1 hr
PHYS 1111K	Introductory Physics I	4 hrs
PHYS 1112K	Introductory Physics II	4 hrs

**** CHEM 2511 Organic Chemistry II and CHEM**

2511L Organic Chemistry II lab or

Select one: MSCI 3901Tech. Writing; MSCI 3702 GIS;

ENVS 3121Env. Ethics; MATH 2201Statistics;

CISM 3232 Web Application Development; CISM 2130

Business Information Systems or a suitable substitute

approved by the advisor and department head. 3-4 hrs

Electives: 3000 or higher level science or math 15-16 hrs

TOTAL 120 hours

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

****Pre-med students and those who wish to pursue graduate education/research career are expected to take CHEM 2511, CHEM 2511L and 15 hours of electives. All other students can choose one 3-credit hour course listed as alternatives for CHEM 2511, CHEM 2511L and 16 hours of electives.

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.

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 hours

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 –

Bachelor of Science in Chemistry

Areas A, B, C, D, E, and additional requirements 43 hrs

Area F 17 hrs

COST 1103	First Year Experience	2 hrs
CHEM 1211	Principles of Chemistry I	3 hrs
CHEM 1211L	Principles of Chemistry I Lab	1 hr
CHEM 1212	Principles of Chemistry II	3 hrs
MATH 2101	Calculus I	4 hrs
MATH 2111	Calculus II	4 hrs

Major Requirements 39 hrs

CHEM 2601K	Chemistry Research Methods	2 hrs
CHEM 1212L	Principles of Chemistry II Lab	1 hr
CHEM 2501	Organic Chemistry I	3 hrs
CHEM 2501L	Organic Chemistry I Lab	1 hr
CHEM 2511	Organic Chemistry II	3 hrs
CHEM 2511L	Organic Chemistry II Lab	1 hr
CHEM 3101K	Analytic Chemistry	4 hrs
CHEM 3111K	Instrumental Analysis	4 hrs
CHEM 3201K	Inorganic Chemistry	4 hrs
CHEM 3401K	Physical Chemistry I	4 hrs
CHEM 3411K	Physical Chemistry II	4 hrs
CHEM 3522L	Advanced Synthesis	2 hrs
CHEM 3602K	Research & Internship	2 hrs

CHEM 3801	Biochemistry	3 hrs
CHEM 4901	Chemical Seminar	1 hr

Major Electives 12-15 hrs

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 hrs
CHEM 4211	Advanced Inorganic	3 hrs
CHEM 4411	Advanced Physical Chemistry	3 hrs
CHEM 4531	Advanced Organic Chemistry	3 hrs
CHEM 4532	Medicinal Chemistry	3 hrs
CHEM 4601	Polymer Chemistry	3 hrs
CHEM 4902	Special Topics in Chemistry	3 hrs
Any 4000 level Forensic Science Courses		3 hrs

Additional requirements 8-11 hrs

BS Chemistry ACS Certified 11 hrs

PHYS 2211K	Principles of Physics I	4 hrs
PHYS 2212K	Principles of Physics II	4 hrs
MATH 3101	Linear Algebra	3 hrs

BS Chemistry 8 Hrs

PHYS 1111K	Introductory Physics I	4 hrs
PHYS 1112K	Introductory Physics II	4 hrs

TOTAL 122 hours

**Program of Study –
Bachelor of Science in Chemistry - Biochemistry track
(currently not accepting students)**

Areas A, B, C, D, E, and additional requirements 43 hrs

Area F 17 hrs

COST 1103	First Year Experience	2 hrs
CHEM 1211	Principles of Chemistry I	3 hrs
CHEM 1211L	Principles of Chemistry I Lab	1 hr
CHEM 1212	Principles of Chemistry II	3 hrs
MATH 2101	Calculus I	4 hrs
MATH 2111	Calculus II	4 hrs

Major Requirements 36 hrs

CHEM 1212L	Principles of Chemistry II Lab	1 hr
CHEM 2501	Organic Chemistry I	3 hrs
CHEM 2501L	Organic Chemistry I Lab	1 hr
CHEM 2511	Organic Chemistry II	3 hrs
CHEM 2511L	Organic Chemistry II Lab	1 hr
CHEM 3101K	Analytic Chemistry	4 hrs
CHEM 3201K	Inorganic Chemistry	4 hrs
CHEM 3401K	Physical Chemistry I	4 hrs
CHEM 3411K	Physical Chemistry II	4 hrs
CHEM 3522L	Advanced Synthesis	2 hrs
CHEM 3602	Research & Internship	2 hrs
CHEM 3801	Biochemistry	3 hrs
CHEM 3801L	Biochemistry Lab	1 hr
CHEM 4111	Advanced Biochemistry	3 hrs

Major Electives 12-15 hrs

*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 hrs
CHEM 4211	Advanced Inorganic	3 hrs
CHEM 4411	Advanced Physical Chemistry	3 hrs
CHEM 4531	Advanced Organic Chemistry	3 hrs
CHEM 4532	Medicinal Chemistry	3 hrs
CHEM 4601	Polymer Chemistry	3 hrs
BIOL 3321L	Microbiology Lab	1 hr
Any 4000 level Forensic Science courses		3 hrs

Additional requirements 8-11 hrs

Choose one (1) of the following two (2) courses:

PHYS 1111K	Introductory Physics I	4 hrs
PHYS 1112K	Introductory Physics II	4 hrs
OR		
PHYS 2211K	Principles of Physics I	4 hrs
PHYS 2212K	Principles of Physics II	4 hrs
BIOL 3301	Genetics	3 hrs
BIOL 3301L	Genetics Lab	1 hr
BIOL 3201	Cell Biology	3 hrs

TOTAL 122 hours

Environmental Science Major

The Department of Marine and Environmental 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:

- 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.
- 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.
- Offer core courses in environmental science for science and non-science majors.
- Participate in community outreach activities as professional scientists, educators and representatives of the University.
- Encourage student and faculty from all disciplines to participate in environmental research, stewardship and sustainability.
- Develop skills in critical thinking, data analysis, computer application and instrumentation usage among Environmental Science students.

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 –

Bachelor of Science in Environmental Science

Areas A, B, C, D, E, and additional requirements 43 hrs

Area D includes CHEM 1211*, 1211L*, 1212*, 1212L *
and BIOL 1107*

Area F 17 hrs

COST 1103	First Year Experience	2 hrs
BIOL 1107L	Principles of Biology I Lab	1 hr*
BIOL 1108	Principles of Biology II	3 hrs*
PHYS 1111K	Intro to Physics I	4 hrs*
MATH 2101	Calculus I	4 hrs*
ENVS 2401	Intro to Environmental Science	3 hrs*

Major Requirements 38 hrs

BIOL 1108L	Principles of Biology II Lab	1 hr*
ENVS 1121K	Physical Geology	4 hrs*
ENVS 2401L	Intro to Environmental Science Lab	1 hr*
CHEM 2501	Organic Chemistry I	3 hrs*
CHEM 2501L	Organic Chemistry I Lab	1 hr*
ENVS 3121	Environmental Ethics	3 hrs*
ENVS 3201	Limnology	3 hrs*
ENVS 3201L	Limnology Lab	1 hr*
ENVS 3203	Environmental Chem & Analysis	3 hrs*
ENVS 3203L	Environmental Chem & Analysis Lab	1 hr*
ENVS/BIOL 3621	Environmental/Urban Hlth & Hyg	3 hrs*
ENVS 4101	Contaminant Hydrology	3 hrs*
ENVS 4101L	Contaminant Hydrology Lab	1 hr*
ENVS 4121/POLS 4101	Environmental Law	3 hrs*
ENVS 4202	Principles of Ecotoxicology	3 hrs*
ENVS 4301	Solid & Hazardous Waste Mgt.	3 hrs*
ENVS 4801	Internship	2 hrs*
ENVS 4901	Environmental Synthesis Seminar	1 hr*

Major Electives 10 hrs*

Select 10 hours from the following courses:

CHEM 3101	Analytical Chemistry	3 hrs
CHEM 3101L	Analytical Chemistry Lab	1 hr
CHEM 3201	Instrumental Analysis	3 hrs
CHEM 3201L	Instrumental Analysis Lab	1 hr
ENVS 3301	Environmental Radiation	3 hrs
ENVS 3301L	Environmental Radiation Lab	1 hr
MSCI 3702	Intro Geographic Info. Systems	3 hrs
ENVS 4401	Environmental Impact Assessment	3 hrs
MSCI 4601	Marine Conservation Biology	3 hrs
ENVS 4910	Special Topics	3 hrs

Open Electives 10 hrs

COST courses 3000+ selected in consultation with advisor

TOTAL 120 hours

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

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.

Program of Study – Bachelor of Science in Forensic Science (Chemistry Concentration)**Areas A, B, C, D, E, and additional requirements 43 hrs****Area F 18 hrs**

COST 1103	Freshman Year Experience	2 hrs
CHEM 1211	Principles of Chemistry I	3 hrs
CHEM 1211L	Principles of Chemistry I Lab	1 hr
CHEM 1212	Principles of Chemistry II	3 hrs
CHEM 1212L	Principles of Chemistry II Lab	1 hr
MATH 2101	Calculus I	4 hrs
MATH 2111	Calculus II	4 hrs

Major Requirements 19 hrs

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

Forensic Chemistry Concentration 33 hrs

BIOL 1107	Principles of Biology I	3 hrs
BIOL 1107L	Principles of Biology I Lab	1 hr
BIOL 1108	Principles of Biology II	3 hrs
BIOL 1108L	Principles of Biology II Lab	1 hr
MATH 1401	Elementary Statistics	3 hrs
CHEM 2501	Organic Chemistry I	3 hrs
CHEM 2501L	Organic Chemistry I Lab	1 hr
CHEM 2511	Organic Chemistry II	3 hrs
CHEM 2511L	Organic Chemistry II Lab	1 hr
CHEM2601K	Chemical Research Methods/Ethics	2 hrs
CHEM 3101K	Analytical Chemistry	4 hrs
CHEM 3111K	Instrumental Analysis	4 hrs
CHEM 3401K	Physical Chemistry I	4 hrs

Major Electives 10 hrs

Choose ten (10) credit hours from the following courses

ARTS 3201	Photography I	3 hrs
ARTS 3212	Forensic Photography	3 hrs
BIOL 3201	Cell Biology	3 hrs
BIOL 3201L	Cell Biology Lab	1 hr
BIOL 3301	Genetics	3 hrs
BIOL 3301L	Genetics Lab	1 hr
BIOL 3321	Microbiology	3 hrs
BIOL 3321L	Microbiology Lab	1 hr
BIOL 4201	Toxicology	3 hrs
BIOL 4310	Biotechnology	3 hrs
BIOL 4310L	Biotechnology Lab	1 hr
BIOL 4411	Genetic Engineering Technology I	3 hrs
BIOL 4411L	Genetic Engineering Tech I Lab	1 hr
BIOL 4412	Genetic Engineering Technology II	3 hrs
BIOL 4412L	Genetic Engineering Tech II Lab	1 hr
CHEM3411K	Physical Chemistry II	4 hrs
CHEM 3522	Advanced Laboratory Synthesis	2 hrs
CHEM 3801	Biochemistry	3 hrs
CHEM 4211	Advanced Inorganic Chemistry	3 hrs
CHEM 4531	Advanced Organic Chemistry	3 hrs
FSCI 3001	Computer Forensics	3 hrs
FSCI 3201	Forensic Evidence in Law Enforce	3 hrs
FSCI 4501	Forensic Evidence – Case Studies	3 hrs

TOTAL 123 hours

**Program of Study –
Bachelor of Science in Forensic Science
(Biology Concentration)**

Areas A, B, C, D, E, and additional requirements 43 hrs

Area F 18 hrs

COST 1103	Freshman Year Experience	2 hrs
BIOL 1107	Principles of Biology I	3 hrs
BIOL 1107L	Principles of Biology I Lab	1 hr
BIOL 1108	Principles of Biology II	3 hrs
BIOL 1108L	Principles of Biology II Lab	1 hr
MATH 2101	Calculus I	4 hrs
MATH 2111	Calculus II	4 hrs

Major Requirements 19 hrs

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

Forensic Biology Concentration 31 hrs

CHEM 1211	Principles of Chemistry I	3 hrs
CHEM 1211L	Principles of Chemistry I Lab	1 hr
CHEM 1212	Principles of Chemistry II	3 hrs
CHEM 1212L	Principles of Chemistry II Lab	1 hr
MATH 1401	Elementary Statistics	3 hrs
CHEM 2501	Organic Chemistry I	3 hrs
CHEM 2501L	Organic Chemistry I Lab	1 hr
CHEM 2511	Organic Chemistry II	3 hrs
CHEM 2511L	Organic Chemistry II Lab	1 hr
BIOL 3201	Cell Biology	3 hrs
BIOL 3201L	Cell Biology Lab	1 hr
BIOL 3301	Genetics	3 hrs
BIOL 3301L	Genetics Lab	1 hr
BIOL 3321	Microbiology	3 hrs
BIOL 3321L	Microbiology Lab	1 hr

Major Electives 10 hrs

Choose ten (10) credit hours from the following courses

ARTS 3201	Photography I	3 hrs
ARTS 3212	Forensic Photography	3 hrs
BIOL 4201	Toxicology	3 hrs
BIOL 4310	Biotechnology	3 hrs
BIOL 4310L	Biotechnology Lab	3 hrs
BIOL 4411	Genetic Engineering Technology I	3 hrs
BIOL 4411L	Genetic Engineering Tech I Lab	1 hr
BIOL 4412	Genetic Engineering Technology II	3 hrs
BIOL 4412L	Genetic Engineering Tech II Lab	1 hr
CHEM3101K	Analytical Chemistry	4 hrs
CHEM3111K	Instrumental Analysis	4 hrs
CHEM3411K	Physical Chemistry II	4 hrs
CHEM 3522	Advanced Laboratory Synthesis	2 hrs
CHEM 3801	Biochemistry	3 hrs
CHEM 4211	Advanced Inorganic Chemistry	3 hrs
CHEM 4531	Advanced Organic Chemistry	4 hrs
FSCI 3001	Computer Forensics	3 hrs
FSCI 3201	Forensic Evidence in Law Enforce	3 hrs
FSCI 4501	Forensic Evidence – Case Studies	3 hrs

TOTAL 122 hour

Certificate in Virtual Forensic Sciences

Building upon the forensic sciences degree, this certificate will be open to students in any major as well as those employed in law enforcement, military or an associated area of forensic science, criminal justice or homeland security.

The certificate program will provide an immersive learning experience with SSU's exclusive 3-D virtual reality crime scene investigation technology. Certificate coursework will cover procedures necessary for the proper use of 3-D technology in criminal investigations, such as 3-D scanning, processing, analyzing and the use of 3-D virtual reality technology in courtroom presentation of crime scene evidence.

The 18 credit-hour certificate will begin in Fall 2019 and will be offered on both SSU's main campus and at Georgia Southern University's Liberty campus in Hinesville, Ga.

Program of Study –

Certificate in Virtual Forensic Science

Requirements 18 hrs

Choose one (3 credits)

FSCI 1101	Intro to Molecular Forensic Science	3 hrs
CSCI 1130	Computer Applications	3 hrs
CRJU 1101	Intro to Criminal Justice	3 hrs
HSEM 2101	Intro to HSEM	3 hrs

Choose one (3 credits)

FSCI 3201	Forensic Evidence in Law Enforcement	3 hrs
FSCI 3301	Principles of Forensic Science	3 hrs
FSCI 4501	Forensic Evidence - Case Studies	3 hrs

Required (12 credits)

FSCI 4401	Crime Scene 1	3 hrs
FSCI 4402	Crime Scene 2	3 hrs
FSCI 4601K	3-D Crime Scene Capture & Process	3 hrs
FSCI 4602K	3-D Crime Scene Documentation & Analysis	3 hrs

Marine Sciences 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 following Learning Outcomes are what we expect a student to know and to be able to 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 instruction; academic advisement and mentoring; and opportunities to engage in original research.

Facilities include multiple research laboratories, 2 wet-laboratories, 2 docks, and multiple boats (up to a 36-foot twin diesel). Both marine science buildings are adjacent to estuarine salt marsh and a tidal creek, providing exceptional opportunity for hands-on marine science instruction.

Program of Study –

Bachelor of Science in Marine Science

Areas A, B, C, D, E, and additional requirements 43 hrs

Area D: CHEM 1211, 1211L*, 1212*, 1212L*, and BIOL 1107**

Area F 17 hrs

COST 1103	First Year Experience	2 hrs
MSCI 1810K	Marine Biology	4 hrs*
MSCI 2010K	Intro. Oceanography	4 hrs*
PHYS 1111K	Intro. Physics I or	
PHYS 2211K	Prin of Physics I	4 hrs*
MATH 1401	Elementary Statistics or	
MATH 3000	Intro to Biostatistics	3 hrs*

Major Requirements 26 hrs

BIOL 1107L	Principles of Biology I Lab	1 hr*
MATH 2101	Calculus I	4 hrs*
CHEM 2501	Organic Chemistry I	3 hrs*
CHEM 2501L	Organic Chemistry I Lab	1 hr*
MSCI 3301K	Marine Chemistry & Analysis	4 hrs*
MSCI 3901	Technoical Writing Seminar	3 hrs*
MSCI 4201K	Marine Ecology	4 hrs*
MSCI 4350K	Biological Oceanography	4 hrs*
MSCI 4902	Senior Research/Internship	3 hrs*
MSCI 4904	Senior Seminar	1 hr*

Electives - 32 Hrs. A minimum of 20 hrs must be > 20

Marines Sciences Electives 6 hrs

Choose two (2) of the following:

MSCI 3401K	Invertebrate Zoology	4 hrs*
MSCI 3501K	Ichthyology	4 hrs*
MSCI 4447	Marine Mammalogy	3 hrs*
MSCI 4401K	Marine Sediments	4 hrs*

Marine Sciences Tools Electives 6 hrs*

Choose two (2) of the following:

MSCI 2701K	Aquarium Systems I	4 hrs*
MSCI 2702K	Aquarium Systems II	4 hrs*
MSCI 3560	Big Data Analysis in the Sciences	3 hrs*
MSCI 3702	Intro to GIS	3 hrs*
MSCI 4572	Oceanographic Instrumentation	3 hrs*

Math/Science Electives 3 hrs*

Choose one (1) of the following:

CHEM 2511/2511L	Organic Chemistry II	4 hrs*
CHEM 3801	Biochemistry	3 hrs*
MATH 2111	Calculus II	4 hrs*
PHYS 1112K	Introductory Physics II	4 hrs*
PHYS 2212K	Principles of Physics II	4 hrs*

Other COST Electives 17 hrs

Two should be MSCI classes.

Extra hours in above elective areas count here.

TOTAL 120 hours

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

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 Mechanical Engineering Technology. The Civil Engineering Technology program is accredited by the Engineering Technology Accreditation Commission (ETAC), of the Accreditation Board for Engineering and Technology (ABET). For more information, visit <http://www.abet.org>. The Electronics Engineering Technology program is accredited by the Engineering Technology Commission (ETAC), of the Accreditation Board for Engineering and Technology. For more information, visit <http://www.abet.org>.

Engineering Technology embraces the physical sciences, mathematics, and the practices and materials of modern industry, which are utilized in the design, and construction of the machines, structures, highways, power sources, process systems, communication systems, and products needed to maintain a highly technological society. The activities of engineering technology are concerned with translating the concepts and theories of professional engineers and scientists into actual devices and products by using tests to provide data for rational solutions and designs. These tests are followed by interpretations of data and preparation of appropriate plans for use by skilled craftsmen who produce the devices and/or products.

The objectives of the Engineering Technology and Computer Science Technology programs are to prepare their students for successful careers, and this process requires the department to provide opportunities for students to acquire the essential educational experiences for applying their knowledge and methods coupled with skills in support of technical activities.

Registration for Professional Engineer

To protect public safety, each state establishes laws to license engineers involved in projects affecting public health, safety and life. The registration process involves written examination, professional work experience and professional recommendations.

Although it is not the goal of Savannah State University to prepare an individual for professional engineering registration, it is possible for an Engineering Technology graduate of Savannah State University to become registered in Georgia and some other states. Students considering registration as a professional engineer should contact the Department of Engineering Technology for further information.

Engineering Technology graduates from 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 –

Bachelor of Science in Civil Engineering Technology

Areas A, B, C, D, E, and additional requirements 43 hrs

Area F 17 hrs

COST 1103	First Year Experience	2 hrs
CHEM 1211	Principles of Chemistry I	3 hrs
CHEM 1211L	Principles of Chemistry I lab	1 hr
MATH 2101	Calculus I	4 hrs
MATH 2111	Calculus II	4 hrs
ENGT 2101K	Computer Graphics	3 hrs

Major Requirements 63 hrs

CIVT 3101K	Surveying	4 hrs
ELET 3101K	Electrical Circuits I	4 hrs
ENGT 3101	Statics	
Or ENGR 2201	Statics for Engineering	3 hrs
CIVT 3201K	Civil Engineering Materials	3 hrs
CIVT 3211	Construction Estimating & Management	3 hrs
CIVT 3301K	Fluid Mechanics	4 hrs
CIVT 3311	Engineering Hydrology	3 hrs
CIVT 3401K	Highway & Transportation Engineering	4 hrs
ENGT 3501	Dynamics	2 hrs
CIVT 3601K	Soil Mechanics & Foundation	

	Design	4 hrs
ENGT 3601	Strength of Materials	3 hrs
CIVT 3701K	Structural Analysis	3 hrs
ENGT 3701	Engineering Economy	3 hrs
CIVT 4100K	Structure Design	4 hrs
CIVT 4201K	Environmental Engineering I	4 hrs
CIVT 4211	Environmental Engineering II	3 hrs
CIVT 4401	Senior Design/Capstone	3 hrs
<i>Major Electives (choose two (2) of the following)</i>		6 hrs
MATH 3301	Differential Equations	4 hrs
MECT 3411	Thermodynamics	4 hrs
CIVT 3501	Civil Engineering Computing Practices	3 hrs
CSCI 1301	Introduction to Computer Science I	3 hrs
ELET 3701K	Data Acquisition Systems	4 hrs
MSCI 3702	Intro to Geographical Info Systems	3 hrs
CIVT 4350	Civil & Environmental Systems	3 hrs
CSCI 1371	Computing for Engineers and Scientists	3 hrs
ENGT 4903	Special Topics	3 hrs

*Any other elective course approved by a department advisor.

TOTAL 123 hours

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 –

Bachelor of Science in Computer Science Technology

Areas A, B, C, D, E, and additional requirements 43 hrs

COST 1103 First Year Experience 2 hrs

Area F 17 hrs

CSCI 1301 Computer Science I 3 hrs

CSCI 1302 Computer Science II 4 hrs

MATH 2101 Calculus I 4 hrs

MATH 2301 Discrete Mathematics 3 hrs

CSCI 2231K Introduction to Unix 3 hrs

Major Requirements 62 hrs

CSCI Core Courses 15 hrs

CSCI 3000 Data Structures 3 hrs

CSCI 3385K Computer Network & Design 3 hrs

CSCI 4110 Operating Systems 3 hrs

CSCI 4210 Database & File Processing 3 hrs

CSCI 4310 Compiler Construction 3 hrs

Engineering Technology Core Courses 15 hrs

ENGT 2101K Computer Graphics 3 hrs

ELET 3101K Electrical Circuit I 4 hrs

ELET 3301K Digital Systems I 4 hrs

ELET 3411K Microcontrollers 4 hrs

Math Core Courses 7 hrs

MATH 2111 Calculus II 4 hrs

Mathematics Elective (Upper level 3000-4000 course) 3 hrs

CSCI Technology/Engineering Technology Option 25 hrs

Select from the following 10 hrs

CSCI 1610 Programming in Java 4 hrs

CSCI 2215 Perl Scripting 4 hrs

CSCI 3102 Visual Basic 3 hrs

CSCI 3210 Advanced Java 3 hrs

CSCI 3414 Software Engineering 3 hrs

CSCI 3800 Computer Architecture 3 hrs

Select from the following 3 hrs

CSCI 4410 Web Based Programming 3 hrs

CSCI 4510 Artificial Intelligence 3 hrs

Or any approved CSCI course by the advisor

Select from the following 8 hrs

ELET 3111K Electrical Circuit II 4 hrs

ELET 3201K Electronics I 4 hrs

ELET 3211K Electronics II 4 hrs

ELET 3311K Digital Systems II 4 hrs

ELET 3401K Microcomputer Interfacing 4 hrs

ELET 3501K Control Systems 4 hrs

ELET 3511K Electrical Machinery 4 hrs

Select from the following 4 hrs

ELET 4101K Programmable Logic Controller 4 hrs

ELET 4401K Industrial Electronics 4 hrs

ELET 4611K Fiber Optics 4 hrs

ELET 4621K Digital Communication 4 hrs

ELET 3701K Data Acquisition Systems 4 hrs

ENGT 2201 Technical Writing 2 hrs

ENGT 3101 Statics OR

ENGR 2201 Statics for Engineers 3 hrs

ENGT 3301 Quality Control 3 hrs

ENGT 3701 Engineering Economy 3 hrs

Or any approved ENGT, ELET, or ENGR course by the advisor

TOTAL 124 hours

Electronics Engineering Technology Major

Accredited by the Engineering Technology Accreditation Commission of ABET, <http://www.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 –

Bachelor of Science in Electronics Engineering Technology

Areas A, B, C, D, E, and additional requirements 43 hrs

Area F 17 hrs

COST 1103	First Year Experience	2 hrs
CHEM 1211	Principles of Chemistry I	3 hrs
CHEM 1211L	Principles of Chemistry I lab	1 hr
MATH 2101	Calculus I	4 hrs
MATH 2111	Calculus II	4 hrs
ENGT 2101K	Computer Graphics	3 hrs

Major Requirements 63 hrs

ELET Core Courses		48 hrs
ELET 3101K	Electrical Circuit I	4 hrs
ELET 3111K	Electrical Circuit II	4 hrs
ELET 3201K	Electronics I	4 hrs
ELET 3301K	Digital Systems I	4 hrs
CSCI 1301	Computer Science I or	
CSCI 1371	Computing for Eng & Scientists	3 hrs
ENGT 3101	Statics or	
ENGR 2201	Statics for Engineers	3 hrs
ENGT 3701	Engineering Economy	3 hrs
ELET 3311K	Digital Systems II	4 hrs
ELET 3211K	Electronics II	4 hrs
ELET 3411K	Microcontrollers	4 hrs
ELET 4101K	Programmable Logic Controllers	4 hrs
ELET 3511K	Electrical Machinery	4 hrs
ENGT 4401	Senior Project	3 hrs
ELET/CSCI Option		15 hrs

Select from the following 12 hrs

ELET 3701K	Data Acquisition	4 hrs
ELET 3501K	Control System	4 hrs
ELET 4611K	Fiber Optics	4 hrs
ELET 4621K	Digital Communication	4 hrs
ELET 4401K	Industrial Electronics	4 hrs
ELET 3401K	Microcomputer Interfacing	4 hrs

Select from the following 3 hrs

CSCI 3385K	Computer Network and Design	3 hrs
CSCI 3000	Data Structures	3 hrs

TOTAL 123 hours

Mechanical Engineering Technology Major

The curriculum of Mechanical Engineering Technology program provides students with the foundation to design, develop, test, troubleshoot, and manufacture mechanical devices, including tools, engines and machines. Emphasis is placed on a broad range of courses including, properties and processes of engineering materials, thermal-fluid-energy sciences and applications, computer aided design and analysis, mechanical design and analysis, robotics, mechatronics, manufacturing and industrial engineering areas.

Students learn how to apply the basic engineering principles and utilize technical skills to the diversified mechanical and manufacturing fields.

Graduates work with the latest technologies in a broad range of fields like automotive, logistics, materials, maintenance, quality assurance, reliability and testing, manufacturing, robotics, supply chain, aerospace, alternative/clean energies, nanotechnology, biomedical and more.

Program of Study –

Bachelor of Science in Mechanical Engineering Technology

Areas A, B, C, D, E, and additional requirements 43 hrs

Area F 17 hrs

COST 1103	First Year Experience	2 hrs
CHEM 1211	Principles of Chemistry I	3 hrs
CHEM 1211L	Principles of Chemistry I lab	1 hr
MATH 2101	Calculus I	4 hrs
MATH 2111	Calculus II	4 hrs
ENGT 2101K	Computer Graphics	3 hrs

Major Requirements 62 hrs

MECT 3001K	Computer Solid Modeling	3 hrs
MECT 3101K	Engineering Materials	3 hrs
CSCI 1301	Computer Science I	
Or CSCI 1371	Computing for Engineers	3 hrs
ELET 3101K	Electrical Circuits I	4 hrs
ENGT 3101	Statics	
Or ENGR 2201	Statics for Engineering	3 hrs
MECT 3301K	Fluid Mechanics	
Or CIVT 3301K	Fluid Mechanics	4 hrs
ENGT 3301	Quality Control	3 hrs
MECT 3411	Thermodynamics	4 hrs
ENGT 3501	Dynamics	2 hrs
ENGT 3601	Strength of Materials	3 hrs
ENGT 3701	Engineering Economy	3 hrs
MECT 4101	Machine Design	4 hrs
MECT 4201K	Robotics Applications	3 hrs
MECT 4211K	Introduction to Mechatronics	3 hrs
MECT 4301K	Heat and Mass Transfer	4 hrs
MECT 4901	Propulsion Technology	3 hrs
MECT 4701K	Fundamentals of HVAC	4 hrs
ENGT 4401	Senior Project	3 hrs

Major Electives (choose one (1) from the following 3 hrs

MECT 3201K	Manufacturing Processes	3 hrs
MECT 4611	Lean Engineering	3 hrs
MECT 4621	Operations Research	3 hrs
MECT 4911	Renewable Energy Concepts	3 hrs

TOTAL 122 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 Pathway Program (REPP)

Qualified students seeking a bachelor of engineering degree may begin their college studies at Savannah State University through the Regents' Engineering Pathway Program. Depending on high school preparation and Math background, this may take from 2 to 3 years before transferring. Upon successful completion of the pre-engineering curriculum, students may transfer to complete the other 2 years (junior and senior) at one of the five University System of Georgia (USG) engineering institutions (Georgia Tech, Georgia Southern University, University of Georgia, Kennesaw State University or Mercer University) to work toward completion of a Bachelor of Science in Engineering degree. Students are encouraged to take their sophomore engineering courses at Savannah State University before transferring. For additional information visit: (<https://www.savannahstate.edu/cost/eng-tech/retp-courses.shtml>).

The program of study sheets for the REPP Engineering Programs (REPP – Civil Engineering, REPP – Computer Engineering, REPP – Electrical Engineering, REPP – Industrial Engineering, REPP – Mechanical Engineering) can be accessed at <https://www.savannahstate.edu/cost/eng-tech/retp-courses.shtml>.

Department of Mathematics

Mathematics Major

The Department of 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.

Mathematics Education Concentration

The Department of Mathematics, in collaboration with the College of Education (COE), offers a bachelor's degree in mathematics with a secondary education (6-12) track for students in the Noyce Teacher Scholarship Program. Mathematics education candidates will complete a set of courses to be used as one measure of the teacher candidate's content knowledge in mathematics. The courses will represent concepts of mathematics and will cover topics that are essential for teaching, synthesizing information, and using technology. See College of Education faculty advisors for additional requirements.

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 Student 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.

Criteria of requirement to get into the general Math Classes:

Course	Prerequisite
MATH 1001: Quantitative Reasoning	Placement test and satisfactory SAT – Math Score
MATH 1111: College Algebra	Placement test and satisfactory SAT – Math Score
MATH 1113: Precalculus	Completion of MATH 1111 (C or better) or A minimum score of 500 on the SAT-Math / 19 on ACT / 50 on CLEP – College Algebra or Completion of other higher math than MATH 1111 with C or better
MATH 2101: Calculus I	Completion of MATH 1113 (C or better) or A minimum score of 50 on CLEP - Precalculus or A minimum score of 550 on the SAT-Math / 23 on the ACT together with completion of (high school) AP Calculus AB with 3 or above

Criteria of requirement to get into the Honor Math Classes

Course	Prerequisite	
	Freshmen	Current students
MATH 1111H: College Algebra	Not offered	
MATH 1113H: Precalculus	SAT 550+ /ACT 23+ and GPA 3.0	SAT 550+ /ACT 23+ and GPA 3.5 or College Algebra A and GPA 3.5
MATH 2101H: Calculus I	SAT 600+ /ACT 26+ and GPA 3.2 including AP Calculus AB with 3+	Regular Precal A and GPA 3.5 or Honor Precal B+ and GPA 3.3
MATH 2111H: Calculus II	Not allowed	Regular Cal I A and GPA 3.5 or Honor Cal I B+ and GPA 3.3

Program of Study –		
Bachelor of Science in Mathematics		
Areas A, B, C, D, E, and additional requirements		43 hrs
Area F		17 hrs
COST 1103	First Year Experience	2 hrs
MATH 2101	Calculus I	4 hrs
MATH 2111	Calculus II	4 hrs
MATH 2121	Calculus III	4 hrs
<i>Choose one (1) of the following:</i>		
CSCI 1301	Computer Science I	3 hrs
CSCI 1610	Programming in Java	4 hrs
Major Requirements		59 hrs
MATH 1401	Elementary Statistics	3 hrs
MATH 2301	Discrete Mathematics	3 hrs
MATH 3101	Linear Algebra	3 hrs
MATH 3201	Probability and Statistics I	3 hrs
MATH 3211	Foundation of Higher Math	3 hrs
MATH 3301	Differential Equations	4 hrs
MATH 3401	Modern Geometry	3 hrs
MATH 3501	Numerical Analysis	3 hrs
MATH 4101	Abstract Algebra I	3 hrs
MATH 4201	Analysis I	3 hrs
MATH 4221	Complex Analysis	3 hrs
MATH 4401	Number Theory	3 hrs
MATH 4901	Senior Seminar	1 hr
<i>Choose six (6) of the following:</i>		
MATH 3115/		
DATA 3115	Mathematical Data Analytics	3 hrs
MATH 3311	Math Finance and Interest Theory	3 hrs
MATH 3000	Intro. To Bio Statistic	3 hrs
MATH 4111	Abstract Algebra II	3 hrs
MATH 4211	Analysis II	3 hrs
MATH 4301	Survey of Partial Diff. Equations	3 hrs
MATH 4311	Probability and Statistics II	3 hrs
MATH 4411	Statistical Methods	3 hrs
MATH 4421	Regression Analysis	3 hrs
MATH 4501	Introduction to Topology	3 hrs
MATH 4601	Mathematical Research	3 hrs
MATH 4701	History of Math	3 hrs
MATH 4902	Senior Research/Internship	3 hrs
<i>Electives (2000 – 4000 level)</i>		<i>6 hrs</i>
<u>TOTAL 122 hours</u>		

Minors in the College of Science and Technology**Biology Minor 17 hrs**

BIOL 1107	Principles of Biology I	3 hrs
BIOL 1107L	Principles of Biology I Lab	1 hr
BIOL 1108	Principles of Biology II	3 hrs
BIOL 1108L	Principles of Biology II Lab	1 hr
Additional Biology (BIOL) courses at 3000/4000 level 9 hrs		

Chemistry Minor 16-18 hrs

CHEM 3101K	Analytical Chemistry	4 hrs
CHEM 3111K	Instrumental & Data Analysis	4 hrs
CHEM 3401K	Physical Chemistry I	4 hrs
CHEM 3801	Biochemistry	3 hrs
CHEM 4211	Advanced Inorganic Chemistry	3 hrs
CHEM 4531	Advanced Organic Chemistry	3 hrs

Environmental Science Minor 15 hrs

ENVS 2401	Introduction to Enviro. Science	3 hrs
ENVS 2401L	Intro to Environmental Science Lab	1 hr
ENVS 4121	Environmental Law	3 hrs
ENVS 4401	Environmental Impact Assessment	3 hrs

Choose five (5) hours from the following:

ENVS 3121	Environmental Ethics	3 hrs
ENVS 4101	Contaminant Hydrology	3 hrs
ENVS 4101L	Contaminant Hydrology Lab	1 hr
ENVS 4301	Solid & Hazardous Waste Management	3 hrs
ENVS 4801	Internship	2 hrs

Forensic Science Minor 15 hrs

FSCI 3201	Forensic Evidence in Law Enforcement	3 hrs
FSCI 3301	Principles of Forensic Science	3 hrs
FSCI 3301L	Principles of Forensic Science Lab	1 hr
FSCI 4101	Personal ID/DNA Fingerprint Analysis	3 hrs
FSCI 4101L	Personal ID/DNA Fingerprint Analysis Lab	1 hr
FSCI 4201	Drug Abuse & Drug Analysis	3 hrs
FSCI 4201L	Drug Abuse & Drug Analysis Lab	1 hr

Marine Science Minor 15 hrs

MSCI 1810K	Marine Biology	4 hrs
MSCI 2010K	Introduction to Oceanography	4 hrs
Additional MSCI courses at 3000/4000 level 7 hrs		

Civil Engineering Technology Minor 17 hrs

CIVT 3101K	Surveying	4 hrs
CIVT 3201K	Civil Engineering Materials	3 hrs
CIVT 3211	Construction Estimating & Management	3 hrs
CIVT 3401K	Highway & Transport Engineering	4 hrs
ENGT 2101K	Computer Graphics	3 hrs

Civil Engineering Technology minor is not available to students majoring in Civil Engineering Technology.*Computer Science Technology Minor* 17 hrs***Select nine (9) or ten (10) hours from the following five (5) courses:*

CSCI 1301	Computer Science I	3 hrs
ENGT 2101K	Computer Graphics	3 hrs
CSCI 1610	Programming in Java	3 hrs
CSCI 2215	PERL Scripting	4 hrs
CSCI 2231	Introduction to UNIX	3 hrs
Upper Division Computer Science Technology courses 9 hrs		

General Technology Minor 17 hrs

ENGT 2101K	Computer Graphics	3 hrs
ENGT 3701	Engineering Economy	3 hrs
ENGT 3101	Statics	3 hrs
ELET 3101K	Electrical Circuits I	4 hrs
ENGT 3501	Dynamics	2 hrs

Electronics Engineering Technology Minor* 18 hrs

ELET 3101K	Electrical Circuits I	4 hrs
ENGT 2101K	Computer Graphics	3 hrs
ELET 4101K	Programmable Logic Controllers	4 hrs
ELET 3301K	Digital Systems I	4 hrs
ELET 3401K	Microprocessor Interfacing	4 hrs

Electronics Engineering Technology minor is not available to Electronics Engineering and Computer Science Technology majors.*Mathematics Minor 15-18 hrs**

MATH 2101	Calculus I	4 hrs
MATH 2111	Calculus II	4 hrs
MATH 3101	Linear Algebra	3 hrs
MATH 3201	Probability & Statistics I	3 hrs
Upper Division level mathematics course 3 hrs		

*# 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.***Applied Mathematics Minor 15-18 hrs***At least six credit hours from the following Courses:*

MATH 2111	Calculus II	4 hrs
MATH 2121	Calculus III	4 hrs
MATH 1401	Elementary Statistics	3 hrs

At least nine credit hours from the following Courses:

MATH 3000	Intro. to Biostatistics	3 hrs
MATH 3101	Linear Algebra	3 hrs
MATH 3201	Probability & Statistics I	3 hrs
MATH 3301	Differential Equations	4 hrs
MATH 3501	Numerical Analysis	3 hrs
MATH 4221	Complex Analysis	3 hrs
MATH 4301	Survey of Partial Differential Equations	3 hrs

MATH 4311	Probability and Statistics II	3 hrs
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** Note that only one course may be used to satisfy both a minor and a major requirement.*

Department of Naval Science

The department offers a minor in Naval Science. The program is designed to prepare the student for a commission in the U.S. Navy or Marine Corps and is required for NROTC Scholarship students to 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 work 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.

Scholarship and College Program - All Midshipmen

NSCI 1001	Introduction to Naval Science	3 hrs
NSCI 1002	Seapower and Maritime Affairs	3 hrs
NSCI 2012	Leadership and Management	3 hrs
NSCI 4050	Naval Drill*	0 Hrs
NSCI 4104	Leadership and Ethics	3 hrs

Scholarship and College Program- Navy Option

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

Scholarship and College Program- Marine Option

NSCI 3101	Evolution of Warfare	3 hrs
NSCI 4103	Fundamentals of Maneuver Warfare	3 hrs

Naval Science Minor - Navy Option

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

Naval Science Minor - Marine Option

NSCI 1002	Seapower and Maritime Affairs	3 hrs
NSCI 2012	Leadership and Management	3 hrs
NSCI 3101	Evolution of Warfare	3 hrs
NSCI 4103	Fundamentals of Maneuver Warfare	3 hrs
NSCI 4104	Leadership and Ethics	3 hrs

Scholarship Programs

For continuing students already enrolled in a Savannah State University curriculum or transferring students with previous college credit, the Department of Defense offers a limited number of 3 and 2 year scholarships ("side load scholarships") to qualifying students interested in a career of service in the the U.S. Navy and U.S. Marine Corps. Scholarship requirements include a minimum cumulative 2.5 GPA, rigorous physical fitness standards including body composition standards, adherence to an honor code, and participation in service related training events outside of normal academic course load which contribute to overall leadership development. Approved enrollment in the NROTC College Program (see below) allows for qualifying students to compete for NROTC Scholarships. Contact the Department of Naval Science in the McGlockton Building for specific details.

College Program Midshipmen (non-scholarship)

Navy ROTC College program allows participation in midshipmen training for students not on scholarship, but interested in pursuing a commission in the U.S. Navy, or U.S. Marine Corps. Interested freshmen and sophomores can apply for this program at the Department of Naval Science in the McGlockton building. Qualified and competitive students in NROTC College Program may apply for 2.5 or 3 year scholarships depending on their service option. If a College Program student is not awarded a scholarship by the conclusion of sophomore year, he/she may be considered for Advanced Standing, which will grant a commission in the Navy or Marine Corps upon graduation. Advanced Standing requires selection from a Naval Service Training Command. Students may also be granted Provisional Advanced Standing directly from the PNS if they meet all program requirements prior to entry.

College Program students must take all required Naval Science courses for their service option. These students must complete one-year of college-level study in both mathematics and physical science as a prerequisite for commissioning. Mathematics courses must be college algebra or higher and completed by the end of the junior year. The physical science requirement can be met by completing a one-year sequence, or two courses, in any area of physical science and completed by the end of senior year.

Navy Option Scholarship Requirements

While not a requirement to join, all Navy option students are encouraged to pursue Science, Technology, Engineering, or Mathematics majors. Navy option scholarship students must complete 6 hours of Calculus by the end of their second year and 6 hours of Physics by the end of their third year as a prerequisite for commissioning.

Marine Corps Option Scholarship Requirements

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.

Other NROTC-Specific Academic Requirements

All NROTC programs require a 3 hour American History/National Security Policy course, 6 hours of English, and a 3 hour World Culture/Regional Studies course. Students in the NROTC program will maintain a semester and cumulative GPA of 2.5 to remain in the program.

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.

Scholarship Benefits

Nationally awarded Navy ROTC scholarships are available to qualified students for tuition, fees and laboratory expenses. The scholarships can pay for one, two, three, or four years of tuition and fee expenses and possibly five years depending on major. Scholarship includes a \$350 book stipend per semester. Additionally, the Department of the Navy reserves a portion of all scholarships for students who attend Historically Black College and Universities.

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, and \$350 for juniors and \$400 for seniors. Students who qualify for Advance Standing will receive a monthly stipend of \$350 for juniors and \$400 for seniors. Provisional Advance Standing students will receive a monthly stipend of \$250.

Summer Training Cruises

A summer training period is held annually to furnish NROTC midshipmen the opportunity to gain experience in the practical application of their studies in Naval Science. These training periods range from two to six weeks in length with embedded cruise experiences three to four weeks in length. NROTC Scholarship midshipmen are required to participate in summer training during each of the three summers between freshman and senior years.

*NSCI 4050: Naval Drill is only open to students actively enrolled in the NROTC program.

Department of Military Science

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.

Military Science

Basic Courses

MILS 1101	Introduction to military Science & Skills Development	2 hrs
MILS 1102	Basic Military Leadership	2 hrs
MILS 2201	Basic Military Skills	2 hrs
MILS 2202	Basic Military Tactics	2 hrs
MILS 1101L, 2201L, 3301L, 4401L, 1102L, 2202L, 3302L, 4402L	Basic Leadership Lab	0 hrs

Advanced Courses

MILS 3301	Advanced Tactics & Applied Leadership I	3 hrs
MILS 3302	Advanced Tactics & Applied Leadership II	3 hrs
MILS 4401	Military Leadership & Management Seminar	3 hrs
MILS 4402	Transition to Lieutenant	3 hrs

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

Basic Camp

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 Basic Camp. Basic Camp is a 31-day training event designed to introduce Cadets to the Army. The objective is to develop Cadet leadership skills and train them on individual and junior leader tasks to develop and reinforce Warrior Ethos and our Army Values. Basic Camp provides the critical thinking skills necessary to succeed in ROTC, and, ultimately, the Army. Basic Camp Cadets graduate the course prepared to lead at the team (3-4 Cadets) and squad (9-13 Cadets) level. Basic Camp's primary target audience is the Lateral Entry Cadet and the freshman Cadet. Lateral Entry Cadets typically decide to join ROTC in their sophomore year of college, thus require Basic Camp to learn what normal-progression Cadets have learned in their first two years of military science classes, during their freshman and sophomore years of Army ROTC. As an ancillary target, Basic Camp allows second-year (Military Science II or MS II) Cadets to gain squad leader experience, which provides opportunities for some MS III (rising senior) Cadets to fulfill roles as platoon-level leaders. Basic Camp consists of eight Cadet Regiments, nearly 3,000 Cadets. Cadets are taught how to conduct troop leading procedures (TLPs) to plan and execute tactical missions at the squad level in a platoon construct/setting. As Cadets gain experience and confidence through the training, they apply lessons learned from the After Action Review (AAR) process.

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 \$420 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 or room and board. In addition, each student receives \$420 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

Advanced Camp

Advanced Camp is a 31-day training event that is designed to assess a Cadet's ability to demonstrate proficiency in basic officer leadership tasks. Cadets are evaluated on their ability to lead at the Squad and Platoon levels, both in garrison and tactical environments. Cadets are mentally and physically tested during a 12-day consequence driven field training exercise that replicates a combat training center rotation. Successful completion of the Advanced Camp is a prerequisite for commissioning.

The mission of Advanced Camp is to assess a Cadet's potential to serve as a commissioned officer. It is the most significant training and evaluation event in ROTC. Training is complex, challenging, and rigorous and is conducted in a stressful training environment. Cadets reinforce basic skills through squad (9-13 Cadets) level leader development exercises, and transition to platoon (40-50 Cadets) level operations in a company construct. Prior to attending Advanced Camp, Cadets receive intelligence updates, preparing them for the geopolitical environment to which they will deploy and operate. Students attending this camp are paid active army rates and given travel allowance from their home to camp and return.

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.

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 15 credit hours with minimum grades of "B" in the following military science courses: MILS 3301, 3302, 4401, and 4402, HIST 2111 or 2112.

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.

College of Education

The College of Education (COE) is the organizational unit for the Department of Teacher Education and the Interdisciplinary Studies Program, TRIO Programs, and the Gaining Early Awareness and Readiness for Undergraduate Programs (GEAR UP). The Dean of the College of 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 school and community partners.

The Department of Teacher Education, in collaboration with programs in the College of Sciences and Technology and College of Liberal Arts and Social Sciences, prepares students to become eligible for Georgia certification through Bachelor of Science in Education (BSED) programs in the following areas: Middle Grades Education (4-8) with concentration areas in Mathematics, Science, English/Language Arts, or Social Studies (students must select two); Secondary Education (6-12) with concentrations in Biology Education and Mathematics Education; and Engineering and Technology Education (6-12). The Department provides course-based field experiences that culminate in a full-year experience with a practicum at a school site followed by student teaching. Under the guidance of a cooperating teacher and university supervisor, students integrate theory with practice in a school setting relevant to the certification area. All teacher certification programs are accredited by the Georgia Professional Standards Commission (GaPSC). Graduates who meet all certification requirements are eligible to apply to the GaPSC to become Georgia certified teachers.

There is also a post-baccalaureate option for students with bachelor's degrees to add on teacher certification after graduation. Students who would like to determine eligibility for the post-baccalaureate program should contact the chair of the Department of Teacher Education. Students with bachelor's degrees in a STEM field who wish to pursue teacher certification at the post-baccalaureate level may be eligible for the Noyce Scholarship. Students should see the Noyce program coordinator and consult with the department chair. Note that the Noyce Scholarship funding is only available at the post-baccalaureate level.

The Interdisciplinary Studies Program leading to the Bachelor of Interdisciplinary Studies (BIDS) degree offers learning in a broad range of subject areas across the colleges and majors in the university. Students complete the general education and core courses in a science or non-science track and may choose to design the BIDS program of studies following a multidisciplinary studies or an educational studies concentration. Students in the educational studies concentration typically complete Area F education courses and then select from education or educational studies courses. Students interested in interdisciplinary studies and concentration options should work with their advisor and consult with the BIDS program coordinator to map out a program of study.

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 primarily designed to 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 College of Education teacher preparation programs are approved by the University System of Georgia's (USG) Board of Regents and the Georgia Professional Standards Commission (GaPSC) and the Commission on Colleges of the Southern Association of Colleges and Schools (SACSCOC).

Department of Teacher Education

Mission

The mission of the Department of Teacher Education in collaboration with P-20 institutions 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 behavior.

Vision

The vision of the Department of Teacher Education strives to produce graduates who embrace dynamic educational changes that encompass technological innovations, diversity and global environments, and have the intellectual capacity to teach all children to be productive citizens in a global community. To this end, the department and its faculty are committed to on-going research that informs educational practice, exemplary teaching that addresses the needs of all learners, and collaborative partnerships that promote outreach activities to P-12 schools and to those in other disciplines. It is through intentional design and implementation that COE teacher preparation programs are standards-aligned, assessment focused, integrated with technology, and use researched-based pedagogy that embed learner-driven outcomes for all students.

Teacher Preparation Program Student Learning Outcomes (PSLOs)

The program student learning outcomes (PSLOs) are aligned to the unit's mission and conceptual framework. As programs that are grounded in research-based teaching practices and that adheres to the principles, policies, and procedures framed in state and national standards, the teacher preparation programs in the College of Education's Department of Teacher Education enable teacher candidates to be equipped to address the academic achievement of all students. More specifically, COE'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.

Teacher Preparation

Acceptance and enrollment at Savannah State University (SSU) does not automatically qualify an applicant for the Teacher Education Program. In accordance with Board of Regents, the Georgia Professional Standards Commission, and the College of Education (COE), students seeking to become teacher candidates must apply for admission to the Teacher Education Program. During the first three semesters, students interested in the Teacher Education Program should enroll in Education Foundation courses and successfully complete course work and field hours in 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 general education and core requirements as outlined in this catalog and on program maps. In addition to required coursework, students MUST pass the Georgia Assessments for the Certification of Educators (GACE) as explained below

Students interested in teacher education apply for admission to the Teacher Education Program and must:

1. Complete and submit an application for admission to the College of Education
2. Successfully complete at least 45 semester credits 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. Complete 30 clock hours of field experience.
5. Submit a verification of tort liability insurance.
6. Achieve a minimum cumulative GPA of 2.50 (4.0 scale) grade point average (with grade of C or higher) for designated courses 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 2110, EDUC 2120, and EDUC 2130 with grades of C or higher.
9. Submit a positive recommendation along with the character disposition survey from a faculty member at Savannah State University.
10. Submit a Philosophy of Teaching as completed in EDUC 2110.
11. Complete an interview with a representative(s) of the Teacher Education Council (TEC).

Note: There are additional fees and assessment requirements, as mandated by the GaPSC, associated with teacher preparation that will be reviewed with students prior to 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 in specific content areas.

College of Education

Abbreviation Course

BIDS Interdisciplinary Studies

BIED Biology Education

EDUC Education

ESED Educational Studies

ETED Engineering Technology Education

MAED Mathematics Education

MGED Middle Grades Education

BSED students should refer to Program Maps for the complete, sequenced program of study. Program maps are found on the COE web pages and are available in the College of Education Office and from Education advisors and faculty mentors.

Education program requirements may change at the discretion of the College of Education and the Georgia Professional Standards Commission.

Program of Study –

Bachelor of Science in Secondary Education (BSED) with a concentration in Biology Education

Areas A, B, C, D, E, and additional requirements 43 hrs

Area F 17 hrs

EDUC 1103 First Year Experience for Future Educators 2 hrs

EDUC 2000 Technology in Teaching and Learning 3 hrs

EDUC 2100 Reading and Writing Strategies 3 hrs

EDUC 2110 Investigating Critical and Contemporary Issues in Education 3 hrs

EDUC 2120 Socio-cultural Influences in Teaching and Learning 3 hrs

EDUC 2130 Exploring Teaching and Learning 3 hrs

Biology Education Courses 28-31 hrs

MATH 1113 Pre-Calculus (if not taken in Area A) 3 hrs

BIOL 1107 Principles of Biology I 3 hrs

BIOL 1107L Prin. of Biology I Lab 1 hrs

BIOL 1108 Principles of Biology II 3 hrs

BIOL 1108L Prin. of Biology II Lab 1 hrs

BIOL 2401/3401 Ecology and Evolutionary Biol. 3 hrs

BIOL 2401L/3401L Ecol. and Evol. Biol. Lab 1 hrs

BIOL 3201 Molecular & Cell Biology 3 hrs

BIOL 3201L Molecular & Cell Biol. Lab 1 hr

BIOL 3301 Genetics 3 hrs

BIOL 3301L Genetics Lab 1 hr

BIOL 3321 Microbiology 3 hrs

BIOL 3321L Microbiology Lab 1 hr

PHYS 1111K Introductory Physics I 4 hrs

Education Courses 33 hrs

BIED 2201 Biology Literacy for Diverse Learners 3 hrs

BIED 3002 Connections in Secondary Science 3 hrs

EDUC 3030 Teaching Exceptional Learners 3 hrs

EDUC 3040 Classroom Management & Ethics 3 hrs

EDUC 3200 Curriculum and Assessment 3 hrs

BIED 4416 Teaching and Research in Secondary Biology Education 3 hrs

BIED 4417 Practicum in Teaching Secondary Biology Education 3 hrs

EDUC 4475 Student Teaching/Clinical Practice 10 hrs

EDUC 4476 Student Teaching Seminar 2 hrs

TOTAL 121-124 hours

**Program of Study –
Bachelor of Science in Education (BSED) in Engineering
and Technology Education**

Areas A, B, C, D, E, and additional requirements 43 hrs

Area F 17 hrs

EDUC 1103	First Year Experience for Future Educators	2 hrs
EDUC 2000	Technology in Teaching and Learning	3 hrs
EDUC 2100	Reading and Writing Strategies	3 hrs
EDUC 2110	Investigating Critical and Contemporary Issues in Education	3 hrs
EDUC 2120	Socio-cultural Influences in Teaching and Learning	3 hrs
EDUC 2130	Exploring Teaching and Learning	3 hrs

Engineering Technology Education Courses 27 hrs

CSCI 1301	Computer Science I	3 hrs
MATH 1113	Pre-Calculus (if not taken in Area A)	
OR		
MATH 2101	Calculus (if MATH 1113 is taken in Area A)	3 hrs
ETED 2201	Literacy & Technical Writing in Engineering and Technology Ed	2 hrs
ETED 3211	Connections in P-12 Engineering Technology Education	3 hrs
ETED 3301	Electrical Power and Energy Systems	3 hrs
ETED 3302	Hydraulic and Pneumatic Systems in Technology Education	3 hrs
ETED 3303	Construction Systems	3 hrs
ETED 3304	Transportation Systems	3 hrs
ETED 3305	Manufacturing Systems	3 hrs

Engineering Technology Education Courses 33 hrs

EDUC 3030	Teaching Exceptional Learners	3 hrs
EDUC 3040	Classroom Management & Ethics	3 hrs
EDUC 3200	Curriculum and Assessment	3 hrs
ETED 2500	Introduction to Engineering and Technology Education	3 hrs
ETED 3000	Principles of Engineering and Technology Education	3 hrs
ETED 4416	Teaching and Research in Engineering and Technology Ed	3 hrs
ETED 4417	Practicum in Teaching Engineering Technology Ed	3 hrs
EDUC 4475	Student Teaching/Clinical Practice	10 hrs
EDUC 4476	Student Teaching Seminar	2 hrs

TOTAL 120 hours

**Program of Study –
Bachelor of Science in Secondary Education (BSED) with
concentration in Mathematics**

Areas A, B, C, D, E, and additional requirements 43 hrs

Area F 17 hrs

EDUC 1103	First Year Experience for Future Educators	2 hrs
EDUC 2000	Technology in Teaching and Learning	3 hrs
EDUC 2100	Reading and Writing Strategies	3 hrs
EDUC 2110	Investigating Critical and Contemporary Issues in Education	3 hrs
EDUC 2120	Socio-cultural Influences in Teaching and Learning	3 hrs
EDUC 2130	Exploring Teaching and Learning	3 hrs

Mathematics Education Courses 28 hrs

MATH 1113	Pre-Calculus (if not taken in Area A)	3 hrs
MATH 2101	Calculus I	4 hrs
MATH 2111	Calculus II	4 hrs
MATH 2121	Calculus III	4 hrs
MATH 2301	Intro to Discrete Mathematics	3 hrs
MATH 3101	Linear Algebra	3 hrs
MATH 3201	Probability and Statistics I	3 hrs
MATH 3211	Foundations of Higher Mathematics	3 hrs
MATH 3401	Modern Geometry	3 hrs

Mathematics Education Courses 33 hrs

EDUC 3030	Teaching Exceptional Learners	3 hrs
EDUC 3040	Classroom Management & Ethics	3 hrs
EDUC 3200	Curriculum and Assessment	3 hrs
MAED 2201	Mathematics Literacy for Diverse Learners	3 hrs
MAED 3002	Connections in Secondary Mathematics	3 hrs
MAED 4416	Teaching and Research in Mathematics Education	3 hrs
MAED 4417	Practicum in Teaching Secondary School Mathematics	3 hrs
EDUC 4475	Student Teaching/Clinical Practice	10 hrs
EDUC 4476	Student Teaching Seminar	2 hrs

TOTAL 121 hours

Middle Grades Education Programs

**Program of Study –
Bachelor of Science in Education (BSED) in Middle
Grades Education with a concentration in Mathematics
and Science**

Areas A, B, C, D, E, and additional requirements 43 hrs

Area F 17 hrs

EDUC 1103	First Year Experience for Future Educators	2 hrs
EDUC 2000	Technology in Teaching and Learning	3 hrs
EDUC 2100	Reading and Writing Strategies	3 hrs
EDUC 2110	Investigating Critical and Contemporary Issues in Education	3 hrs
EDUC 2120	Socio-cultural Influences in Teaching and Learning	3 hrs
EDUC 2130	Exploring Teaching and Learning	3 hrs

Middle Grades Education Courses 30 hrs

MGED 2140	Teaching Adolescent Learners in the Middle Grades	3 hrs
MGED 3010	Number Theory in Middle Grades Education	3 hrs
MGED 3011	Measurement and Geometry Concepts in Middle Grades Education	3 hrs
MGED 3012	Data Analysis, Probability, Statistics in Middle Grades Ed	3 hrs
MGED 3013	Algebraic Concepts in Middle Grades Education	3 hrs
MGED 3020	Inquiry and Literacy in Middle Grades Science	3 hrs
MGED 3021	Life Sciences in Middle Grades Ed	3 hrs
MGED 3022	Physical Sciences in Middle Grade Education	3 hrs
MGED 3023	Earth & Space Sciences in Middle Grades Education	3 hrs
MGED 3032	Reading Strategies in Middle Grades Ed	3 hrs

Education Major 30 hrs

EDUC 3030	Teaching Exceptional Learners	3 hrs
EDUC 3040	Classroom Management & Ethics	3 hrs
EDUC 3200	Curriculum and Assessment	3 hrs
MGED 4100	Methods and Research in MGED	3 hrs
MGED 4412	Practicum in Teaching MG Mathematics	3 hrs
MGED 4413	Practicum in Teaching MG Science	3 hrs
EDUC 4475	Student Teaching/Clinical Practice	10 hrs
EDUC 4476	Student Teaching Seminar	2 hrs

TOTAL 120 hours

**Program of Study –
Bachelor of Science in Education (BSED) in Middle
Grades Education with a concentration in
English/Language Arts and Social Studies**

Areas A, B, C, D, E, and additional requirements 43 hrs

Area F 17 hrs

EDUC 1103	First Year Experience for Future Educators	2 hrs
EDUC 2000	Technology in Teaching and Learning	3 hrs
EDUC 2100	Reading and Writing Strategies	3 hrs
EDUC 2110	Investigating Critical and Contemporary Issues in Education	3 hrs
EDUC 2120	Socio-cultural Influences in Teaching and Learning	3 hrs
EDUC 2130	Exploring Teaching and Learning	3 hrs

Middle Grades Education Courses 33 hrs

MGED 2140	Teaching Adolescent Learners in the Middle Grades	3 hrs
MGED 3030	Adolescent Literature	3 hrs
MGED 3031	Literary Forms and Media Literacy in Middle Grades Education	3 hrs
MGED 3032	Reading Methods in Middle Grades Education	3 hrs
MGED 3033	Teaching Grammar and Writing Mechanics in Middle Grades Education	3 hrs
MGED 3034	Teaching and Evaluating Writing in Middle Grades Education	3 hrs
MGED 3040	US History in Middle Grades Ed	3 hrs
MGED 3041	Geography in Middle Grades Ed	3 hrs
MGED 3042	Government and Civics in Middle Grades Education	3 hrs
MGED 3054	Fundamentals of Economics in Middle Grades Education	3 hrs

Education Major 27 hrs

EDUC 3030	Teaching Exceptional Learners	3 hrs
EDUC 3040	Classroom Management & Ethics	3 hrs
EDUC 3200	Curriculum and Assessment	3 hrs
MGED 4100	Methods and Research in MGED	3 hrs
MGED 4410	Practicum in Teaching Middle Grades Social Studies	3 hrs
MGED 4411	Practicum in Teaching Middle Grades English/Language Arts	3 hrs
EDUC 4475	Student Teaching/Clinical Practice	10 hrs
EDUC 4476	Student Teaching Seminar	2 hrs

TOTAL 120 hours

Post-Baccalaureate Teacher Certificate Non-Degree Program (24 credit hours)

Required classes:

EDUC 5130 Exploring Teaching and Learning 3 hrs

EDUC 5030 Teaching Exceptional Individuals 3 hrs

EDUC 5040 Classroom Management for

Effective Instruction 3 hrs

EDUC 5200 Curriculum and Assessment 3 hrs

EDUC 5201 Literacy in the Content Areas

EDUC 5475 Student Teaching/Internship and Seminar 6 hrs

Select one 3-credit course based on the certification field:

EDUC 5415 Methods in Middle Grades Education with Practicum

EDUC 5416 Methods in Biology Education with Practicum

EDUC 5417 Methods in Mathematics Education with Practicum

EDUC 5418 Methods in Engineering Technology Education with Practicum

Interdisciplinary Studies Programs**Program of Study –****Bachelor of Interdisciplinary Studies****Areas A, B, C, D, E, and additional requirements 42-43 hrs****Area F 17-18 hrs**

Any First Year Experience Course 2 hrs

Courses from a specific major or a combination of 1000-2000 level courses approved by academic advisor

Major Field 33 hrs

Courses from one (1) major at the 3000-4000 level

Complementary Field 18 hrs

BIDS 3000 Intro to Interdisciplinary Studies 3 hrs

BIDS 4000 Seminar in Interdisciplinary Studies 3 hrs

Complementary courses 12 hrs

General Electives 9 hrs**Courses comprised on 2000-4000 level course work from any major area****TOTAL 120 hours****Program of Study –****Bachelor of Interdisciplinary Studies****(Multidisciplinary Concentration)****Areas A, B, C, D, E, and additional requirements 42-43 hrs****Area F 17-18 hrs**

Any First Year Experience Course 2 hrs

Courses comprised of a specific major or a combination of 1000-2000 level courses approved by academic advisor

Focus Areas 39 hrs

Courses comprised from various major fields to include:

3000-4000 level course work (21 credit hours minimum from any major field)

3000-4000 level course work (18 credit hours from additional major fields)

Complementary Field 6 hrs

BIDS 3000 Intro to Interdisciplinary Studies 3 hrs

BIDS 4000 Seminar in Interdisciplinary Studies 3 hrs

General Electives 15 hrs

Courses comprised of 2000-4000 level course work from any major area

TOTAL 120 hours**Program of Study –****Bachelor of Interdisciplinary Studies****(Educational Studies Concentration)****Areas A, B, C, D, E, and additional requirements 42-43 hrs****Area F 17-18 hrs**

Any First Year Experience Course 2 hrs

ESED 2000 Intro to Education Studies 3 hrs

Courses comprised of 1000-2000 level courses specific to Area F education

Educational Studies (ESED) 33 hrs

Courses comprised of 3000-4000 level courses from

Education and Educational Studies 21 hrs

Courses comprised of 3000-4000 courses from related major fields

Complementary Field 18 hrs

BIDS 3000 Intro to Interdisciplinary Studies 3 hrs

BIDS 4000 Seminar in Interdisciplinary Studies 3 hrs

Courses comprised of complementary courses 12 hrs

General Electives 9 hrs

Courses comprised of 2000-4000 level course work from any major area

TOTAL 120 hours

Course Descriptions

Accounting

ACCT 2101	Principles of Financial Accounting	3 Credits	(3-0-3)
A study of the underlying theory and application of financial accounting concepts. <i>Prerequisite(s):</i> MATH 1111			
ACCT 2102	Principles of Managerial Accounting	3 Credits	(3-0-3)
A study of the underlying theory and application of managerial accounting concepts. <i>Prerequisite(s):</i> ACCT 2101			
ACCT 3111	Intermediate Financial Accounting I	3 Credits	(3-0-3)
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. <i>Prerequisite(s):</i> ACCT 2102; Junior standing or 42 hour rule			
ACCT 3112	Intermediate Financial Accounting II	3 Credits	(3-0-3)
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. <i>Prerequisite(s):</i> ACCT 3111			
ACCT 3113	Federal Income Taxation of Individuals	3 Credits	(3-0-3)
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. <i>Prerequisite(s):</i> ACCT 2102; Junior standing or 42 hour rule			
ACCT 3115	Cost Managerial Accounting	3 Credits	(3-0-3)
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. <i>Prerequisite(s):</i> ACCT 2102; Junior standing or 42 hour rule			
ACCT 3117	Accounting Information Systems	3 Credits	(3-0-3)
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. <i>Prerequisite(s):</i> ACCT 3111; Junior standing or 42 hour rule			
ACCT 4111	Intermediate Financial Accounting III	3 Credits	(3-0-3)
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. <i>Prerequisite(s):</i> ACCT 3112; Junior standing or 42 hour rule			

ACCT 4116 **Accounting for Not-For-Profit Institutions** **3 Credits** **(3-0-3)**
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(s): ACCT 2102; Junior standing or 42 hour rule

ACCT 4117 **Auditing** **3 Credits** **(3-0-3)**
A study of the philosophy, concepts, and techniques used by independent auditors. Topical coverage includes professional ethics, standards, audit programs, study and evaluation of internal control, auditors' opinions, statistical sampling techniques, and EDP auditing. *Prerequisite:* ACCT 3112

ACCT 4118 **Advanced Managerial Accounting** **3 Credits** **(3-0-3)**
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(s): ACCT 3115

ACCT 4119 **Internal Auditing** **3 Credits** **(3-0-3)**
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(s): ACCT 3112

Africana Studies

AFRS 1501 **Survey of the African American Experience** **2 Credits** **(2-0-2)**
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** **(3-0-3)**
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** **(3-0-3)**
This course is designed to study the relevant ideas that have served as the intellectual and philosophical foundations of mass movements throughout Africa and the diaspora. Classical Pan Africanism, Negritude, the ideology of selected Black Millenarian Movements, Black Nationalism, Black Cultural Nationalism, Ujamaa Socialism, Kawaida Nationalism, Black Marxism, and contemporary Pan African and Afrocentric thought will be considered.
Prerequisite(s): AFRS 2000

AFRS 3102 **The African & African American Family** **3 Credits** **(3-0-3)**
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(s): AFRS 2000

3 Credits (3-0-3)

This course specifically addresses the role of African women in the development of modern and postmodern society in Africa and the diaspora. The unique continuing contribution of African women in the ongoing transformation of social relations is the central theme and topical focus of this course. The course will examine the various political tendencies within the African women's movement. It will also explore the underlying social causes of male chauvinism, gender violence, and gender role transformation within the context of race and class oppression.

Prerequisite(s): AFRS 2000 or AFRS 1501

3 Credits (3-0-3)

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.

3 Credits (3-0-3)

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.

3 Credits (3-0-3)

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(s): ENGL 2200 or 3010

3 Credits (3-0-3)

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(s): ENGL 2200 or 3010

3 Credits (3-0-3)

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.

3 Credits (3-0-3)

An introduction to the literature of the Caribbean produced by writers of African descent. Includes such writers as Walcott, Braithwaite, Lamming, Marshall, Kincaid, Césaire, and Guillen.

3 credits (3-0-3)

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(s): ENGL 1102

**AFRS
3301/HIST
3301**

African-American History Before 1900

3 Credits (3-0-3)

A survey of the history of African-Americans beginning with the African background to 1900 with an overview of the twentieth century.

AFRS 3501

Survey of African Cultures & Societies

3 Credits (3-0-3)

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.

ENGL 4200

African Literature

3 Credits (3-0-3)

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(s): ENGL 1102

**AFRS
4311/PSYC
4311**

Psychology of the African-American Experience

3 Credits (3-0-3)

An overview of contemporary topics in Black psychology, including self-concept, achievement, motivation, and the Black family.

Prerequisite(s): PSYC 1101

AFRS 4501

African Americans, Africa, & Pan-Africanism

3 Credits (3-0-3)

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(s): AFRS 1501

AFRS 4601

Senior Seminar

3 Credits (3-0-3)

A comprehensive review and analysis of topics and issues, theories, and interpretations, and research in African and African-American Studies.

Prerequisite(s): Permission of the instructor

AFRS 4602

Special Topics

3 Credits (3-0-3)

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.

Anthropology

ANTH 1101

Introduction to Anthropology

3 Credits (3-0-3)

An introduction to the study of primitive and traditional societies with focus on cross-cultural comparisons of pre-literate and modern social institutions.

Arabic

ARAB 1001

Elementary Arabic I

3 Credits (3-0-3)

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.

3 Credits (3-0-3)

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(s): ARAB 1001

3 Credits (3-0-3)

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(s): ARAB 1002 or two years of high school Arabic

3 Credits (3-0-3)

Continuation of Intermediate Arabic I.

Prerequisite(s): ARAB 2001

Art History

3 Credits (3-0-3)

Study of African-American Art of the eighteenth, nineteenth, and twentieth century.

3 Credits (3-0-3)

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.

3 Credits (3-0-3)

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.

3 Credits (3-0-3)

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.

3 Credits (3-0-3)

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

3 Credits (3-0-3)

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	(3-0-3)
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. <i>Prerequisite(s)</i> :ARTS 1010			
ARTS 1030	3D Design	3 Credits	(3-0-3)
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	(3-0-3)
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 1101	Introduction to Visual Arts	3 Credits	(3-0-3)
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 are highlighted.			
ARTS 2800	New Media Design	3 Credits	(3-0-3)
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	(3-0-3)
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. <i>Prerequisite(s)</i> :ARTS 1010, 1011			
ARTS 3101	Painting I	3 Credits	(3-0-3)
Painting media and techniques of oil, acrylic, or watercolor. <i>Prerequisite(s)</i> :ARTS 1010			
ARTS 3122	Painting II	3 Credits	(3-0-3)
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. <i>Prerequisite(s)</i> :ARTS 3101			
ARTS 3201	Photography I	3 Credits	(3-0-3)

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.

3 Credits (3-0-3)

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(s): ARTS 3201 or permission from instructor with portfolio samples

3 Credits (3-0-3)

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(s): ARTS 3201

3 Credits (3-0-3)

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.

3 Credits (3-0-3)

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(s): ARTS 3301

3 Credits (3-0-3)

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.

3 Credits (3-0-3)

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(s): ARTS 3401

3 Credits (3-0-3)

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** **(3-0-3)**

Continuation of concepts and techniques covered in ARTS 3601. 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(s): ARTS 3601

ARTS 3701 **Ceramics I** **3 Credits** **(3-0-3)**

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** **(3-0-3)**

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 tools 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(s): ARTS 3701

ARTS 4900 **Issues in Studio Art** **3 Credits** **(3-0-3)**

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(s): ARTH 4603

Astronomy

ASTR 1000 **Introduction to the Universe** **3 Credits** **(3-0-3)**

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.

Behavior Analysis

BEHV 1101 **Introduction to Behavior Analysis: Professions** **3 Credits** **(3-0-3)**

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 2000	Basic Concepts in Behavior Analysis	3 Credits	(3-0-3)
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. <i>Prerequisite(s):</i> BEHV 1101			
BEHV 2101	History of Behavior Analysis	3 Credits	(3-0-3)
This course involves an examination of philosophical positions and empirical research that have made significant contributions to the development of behavior analysis. Coverage will include the contributions of B. F. Skinner, who founded the field of behavior analysis, as well as other individuals and events that have influenced the field, from its roots in experimental psychology to its emergence as a separate discipline. <i>Prerequisite(s):</i> BEHV 1101 and BEHV 2000 (grade of C or better)			
BEHV 2103	Behavior Statistics	3 Credits	(3-0-3)
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. <i>Prerequisite(s):</i> MATH 1001 or MATH 1101 or MATH 1111 or MATH 1113; Declared Behavior Analysis Major			
BEHV 2105	Research Methods & Behavior Science	3 Credits	(3-0-3)
This course is concerned with the research methods scientists use to study behavioral phenomena. In covering the course content, we will seek a balance between abstract models of science, the practical concerns of the working scientist, and the role that each of us plays as a consumer of science. The readings and presentations will consider conceptual and practical issues relevant to various approaches to behavioral research and the written assignments will amplify these issues as well as provide you with firsthand experience measuring behavior, analyzing data, and reporting behavioral science findings. <i>Prerequisite(s):</i> BEHV 1101, 2000, 2103 Declared Behavior Analysis Major			
BEHV 3103	Measurement in Behavior Analysis	3 Credits	(3-0-3)
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. <i>Prerequisite(s):</i> BEHV 1101, 2000, 2103, 3104; Declared Behavior Analysis Major			
BEHV 3104	Behavior Change in Behavior Analysis	3 Credits	(3-0-3)
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. <i>Prerequisite(s):</i> BEHV 1101 and BEHV 2000			
BEHV 3105	Learning and Motivation	3 Credits	(3-0-3)
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. <i>Prerequisite(s):</i> BEHV 1101 and 2000; Declared Behavior Analysis Major			
BEHV 3106	Behavior Neuroscience	3 Credits	(3-0-3)

This course covers the concepts, methods and data of behavioral neuroscience. The focus is on biological factors, their interactions with each other and the environment, and how they support behavior and behavior change. Topics will include the anatomy and physiology of the nervous system, their role in fundamental behavioral processes (e.g., reinforcement), and behavioral pharmacology. *Prerequisite(s)*: BEHV 1101, 2000 and 3105; Declared Behavior Analysis Major

BEHV 3117 **Behavior Assessment & Behavior Change** **3 Credits** **(3-0-3)**
Topics include direct observation methods, data analysis, experimental design, functional assessment, stimulus preference assessment, and ethics and professional issues.
Prerequisite(s): BEHV 1101, 2000, 2103, 3103, and 3104

BEHV 3118 **Multicultural & Social Issues in Behavior Analysis** **3 Credits** **(3-0-3)**
This course is designed to identify and explore issues, strategies and successes with multicultural and minority clientele. It will prepare students to recognize and respond to factors that may affect the application of behavior analysis principles within and across community settings and focuses on research and best practices related to cultural competence in assessment and treatment as behavioral consultants. Community contexts and settings considered in this course include families and family homes, schools, service agencies and facilities; neighborhoods with distinct cultural identities; and places of employment, recreation, and commerce.
Prerequisite(s): BEHV 1101 and 2000

BEHV 3710 **Autism Spectrum Disorders** **3 Credits** **(3-0-3)**
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.
Prerequisite(s): BEHV 2000

BEHV 3720 **Community Applications of Behavior Analysis** **3 Credits** **(3-0-3)**
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.
Prerequisite(s): BEHV 2000

BEHV 3730 **Organizational Behavior Management** **3 Credits** **(3-0-3)**
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.
Prerequisite(s): BEHV 2000

BEHV 3740 **Behavior Ethics** **3 Credits** **(3-0-3)**
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.
Prerequisite(s): BEHV 1101, 2000 and 3104

BEHV 4000 **Selected Topics in Behavior Analysis** **3 Credits** **(3-0-3)**

An in depth study of current topics in behavior analysis. This course may be repeated for credit with different topics.

Prerequisite(s): Specific prerequisites will depend on the topic.

BEHV 4212 Internship/Research in Behavior Analysis 3 Credits (3-0-3)

An experiential learning arrangement during which the student is expected to apply knowledge acquired in BEHV classes. It may involve off-campus placement in an organization under faculty supervision or working with faculty on various types of projects on campus. This course may be repeated for credit, up to 12 credit hours.

Prerequisite(s): BEHV 1101 and BEHV 2000; additional specific prerequisites will depend on the specific placement/project.

BEHV 4213 Research Seminar 4 Credits (4-0-4)

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.

Prerequisite(s): BEHV 1101, 2000, 2103, 3103, and 3104

Interdisciplinary Studies

BIDS 2000 Introduction to Interdisciplinary Studies 1 Credit (1-0-1)

The purpose of this course is twofold. First, students will be introduced to the specifics of the interdisciplinary studies program and degree requirements. Second, students will be introduced to interdisciplinary studies and design their academic plans of study.

BIDS 3000 Foundations in Interdisciplinary Studies 3 Credit (3-0-3)

Students will be introduced to different approaches to interdisciplinary studies and learn the fundamentals of interdisciplinary research, as well as some of its more useful applications: personal assessment and career development. Students will also plan career goals and establish their BIDS portfolios. *Prerequisite:* BIDS 2000

BIDS 4000 Seminar in Interdisciplinary Studies 3 Credits (3-0-3)

This required capstone course engages interdisciplinary study degree students in an analysis of their program of study through a process of synthesis and reflection focused on their learning outcomes and career goals.

Prerequisites: BIDS 3000 and completion of 90 semester credit hours

BIDS 4100 Internship Capstone with Seminar 1-13 Credits (V-0-V)

This elective course provides Interdisciplinary Studies students with the opportunity to apply the knowledge and skills acquired through academic preparation at a host site as an apprentice to develop career-ready skills. *Prerequisites:* BIDS 3000 and completion of 90 semester credit hours

Biology Education

BIED 2201 Biology Literacy for Diverse Learners 3 Credits (3-0-3)

This course explores methods of teaching secondary students to read, write, think, and learn to master content towards meaningful application aiding in furthering scientific understanding. Teacher candidates will learn to plan lessons and activities that reach diverse learners to teach content with practices that promote the attainment of literacy. Classroom adaptations for culturally and linguistically diverse population in the content areas are also addressed.

BIED 3002 Connections in Secondary Science 3 Credits (3-0-3)

This course, guided by NSTA standards, blends best practices in teaching science concepts (cell biology, genetics, evolution, scientific inquiry, organismal biology, and ecology) and bridges connections in science with technology, mathematics, and real world experiences. Emphasis is on writing, technology, and the use of varied assessments to aid teacher candidates in the adaptation of teaching strategies to meet the needs of all students.

Prerequisite(s): Admission to Teacher Education Program

BIED 4000 **Special Topics** **1-13 Credits** **(V-0-V)**
 This course focuses on topics in education or topics in the major content area of education.

BIED 4416 **Teaching and Research in Secondary Biology Education** **3 Credits** **(3-0-3)**
 This course is an examination and application of curricular issues, learning theories, teaching strategies, instructional materials, and assessment procedures associated with teaching secondary mathematics in the multicultural and diverse classroom of today. The course emphasizes those practices recommended by research in math education and NCTM Principles and Standards. Candidates examine aspects of math classroom practice from various perspectives. The eportfolio is required for all education courses. *Prerequisite(s)*: Admission to Teacher Education
Corequisite:: BIED 4417

BIED 4417 **Practicum in Teaching Secondary Biology Education** **3 Credits** **(3-0-3)**
 This course is designed to provide teacher candidates with experience in a supervised school setting where they will show active involvement with mentor teachers in creating and teaching lessons and assessing student learning to guide instruction. Students will learn how to implement meaningful and engaging instruction for secondary students in biology using inquiry and discovery to develop critical thinking, problem solving, and scientific literacy skills. 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. There are 160 field experience credits in this course. The course cannot be passed without completion of the field experience credits. Verification of professional liability insurance and a clear criminal background check are required prior to receiving a school placement.
Prerequisite(s): Admission to Teacher Education
Corequisite: BIED 4416

Biology

BIOL 1001 **Introduction to Life Science** **1 Credit** **(1-0-1)**
 Introduction to the biological sciences, career exploration, and the responsibilities of professionals in these careers. Freshman elective course for Biology Major.

BIOL 1103 **General Biology** **3 Credits** **(3-0-3)**
 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.
Corequisite: BIOL 1103L

BIOL 1103L **General Biology Lab** **1 Credit** **(0-1-1)**
 Lab taken concurrently with BIOL 1103.
Corequisite: BIOL 1103

BIOL 1104 **Human Biology** **3 Credits** **(3-0-3)**
 Human organization, functions of various organ systems in humans, development, the biosphere and inheritance; human population concerns.
Corequisite: BIOL 1104L

BIOL 1104L **Human Biology Lab** **1 Credit** **(0-1-1)**
 Lab taken concurrently with BIOL 1104.
Corequisite: BIOL 1104

BIOL 1107 **Principles of Biology I** **3 Credits** **(3-0-3)**
 Introduction to broad themes in biology, with emphasis on chemistry, origin and evolution of life, metabolic diversity and regulation, cell structure and function, classical genetics, macromolecular synthesis (including proteins), recombinant DNA and biotechnology.

Corequisite: BIOL 1107L

BIOL 1107L	Principles of Biology I Lab	1 Credit	(0-1-1)
Lab taken concurrently with BIOL 1107.			
<i>Corequisite:</i> BIOL 1107			

BIOL 1108	Principles of Biology II	3 Credits	(3-0-3)
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.			
<i>Prerequisite(s):</i> BIOL 1107 and 1107L			
<i>Corequisite:</i> BIOL 1108L			

BIOL 1108L	Principles of Biology II Lab	1 Credit	(0-1-1)
Lab taken concurrently with BIOL 1108.			
<i>Prerequisite(s):</i> BIOL 1107L			
<i>Corequisite:</i> BIOL 1108			

BIOL 1401	Introduction to Biological Chemistry	2 Credits	(2-0-2)
Basic principles and concepts of biology, life and living organisms, basic and applied biology, and an overview of the interface between biology and chemistry.			

BIOL 2515K	Human Anatomy & Physiology I	4 Credits	(3-1-4)
Gross anatomy, histology and physiology of human organ systems (Not for biology majors; Non-majors course intended for health profession students).			
<i>Prerequisite(s):</i> BIOL 1103 or BIOL 1104 or CHEM 1211 or consent of instructor			

BIOL 2516K	Human Anatomy & Physiology II	4 Credits	(3-1-4)
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.			
<i>Prerequisite(s):</i> BIOL 2515K			

BIOL 3000	Lab Technique for Medical Science	3 Credits	(3-0-3)
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.			
<i>Prerequisite(s):</i> BIOL 2515K			

BIOL 3101	General Botany	3 Credits	(3-0-3)
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. <i>Prerequisite(s):</i> BIOL 1108			
<i>Corequisite:</i> BIOL 3101L			

BIOL 3101L	General Botany Lab	1 Credit	(0-1-1)
Lab taken concurrently with BIOL 3101.			
<i>Corequisite:</i> BIOL 3101			

BIOL 3201	Molecular and Cell Biology	3 Credits	(3-0-3)
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.			
<i>Prerequisite(s):</i> CHEM 1212 and BIOL 1108			
<i>Corequisite:</i> BIOL 3201L			

BIOL 3201L	Molecular and Cell Biology Laboratory	1 Credit	(0-1-1)
Lab taken concurrently with BIOL 3201. <i>Corequisite:</i> BIOL 3201			
BIOL 3211	Zoology	3 Credits	(3-0-3)
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. <i>Prerequisite(s):</i> BIOL 1108 <i>Corequisite:</i> BIOL 3211L			
BIOL 3211L	Zoology Lab	1 Credit	(0-1-1)
Lab taken concurrently with BIOL 3211. <i>Corequisite:</i> BIOL 3211			
BIOL 3301	Genetics	3 Credits	(3-0-3)
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. <i>Prerequisite(s):</i> BIOL 1108 <i>Corequisite:</i> BIOL 3301L			
BIOL 3301L	Genetics Lab	1 Credit	(0-1-1)
Lab taken concurrently with BIOL 3301. <i>Corequisite:</i> BIOL 3301			
BIOL 3321	Microbiology	3 Credits	(3-1-3)
Introduction to origin, diversity, anatomy, and physiology of microorganisms; principles of immunology; environmental and applied microbiology. <i>Prerequisite(s):</i> BIOL 1108 <i>Corequisite:</i> BIOL 3321L			
BIOL 3321L	Microbiology Lab	1 Credit	(0-1-1)
Lab taken concurrently with BIOL 3321. <i>Corequisite:</i> BIOL 3321			
BIOL 3401	Ecology & Evolutionary Biology	3 Credits	(3-0-3)
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. <i>Prerequisite(s):</i> BIOL 1108 <i>Corequisite:</i> BIOL 3401L			
BIOL 3401L	Ecology & Evolutionary Biology Lab	1 Credit	(0-1-1)
Lab taken concurrently with BIOL 3401. <i>Corequisite:</i> BIOL 3401			
BIOL 3410	Molecular Evolution	3 Credits	(3-0-3)
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			

Prerequisite(s): BIOL 3301 and 3301L

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.

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.

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.

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.

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.

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.

Prerequisite(s): BIOL 3201
Corequisite: BIOL 3801L

BIOL 3801L	Animal Physiology Lab	1 Credit	(0-1-1)
Lab may be taken concurrently with BIOL 3801.			
<i>Corequisite:</i> BIOL 3801			

BIOL 4100	Directed Study	1-4 Credits	(V-0-V)
Directed Study allows the student to explore a topic of interest under the close supervision of a faculty member. The course may include directed readings, applied work, assisting a faculty member with a research project, carrying out a directed research project, or other activities deemed appropriate. Regardless of the nature of the experience, the work must culminate in a formal paper. The specific course requirements are described in the Directed Study Proposal form to be completed by the student and faculty supervisor.			

BIOL 4201	Toxicology	3 Credits	(3-0-3)
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.			
<i>Prerequisite(s):</i> BIOL 1108 and CHEM2511			

BIOL 4211	Reproductive Biology	3 Credits	(3-0-3)
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.			
<i>Prerequisite(s):</i> BIOL 3201			
<i>Corequisite:</i> BIOL 4211L			

BIOL 4211L	Reproductive Biology Lab	1 Credit	(0-1-1)
Lab taken concurrently with BIOL 4211.			
<i>Corequisite:</i> BIOL 4211			

BIOL 4270	Mycology	3 Credits	(3-0-3)
Ecology, physiology systematics, development of micro fungi and organisms of general, industrial, and economic importance.			
<i>Prerequisite(s):</i> BIOL 3321			
<i>Corequisite:</i> BIOL 4270L			

BIOL 4270L	Mycology Lab	1 Credit	(0-1-1)
Lab taken concurrently with BIOL 4270.			
<i>Corequisite:</i> BIOL 4270			

BIOL 4301	Biotechnology-An Overview	3 Credits	(3-0-3)
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.			
<i>Prerequisite(s):</i> BIOL 2201, 3301, or CHEM 3801			
<i>Corequisite:</i> BIOL 4301L			

BIOL 4301L	Biotechnology-An Overview Lab	1 Credit	(0-1-1)
Lab taken concurrently with BIOL 4301.			
<i>Corequisite:</i> BIOL 4301			

BIOL 4411	Genetic Engineering Technology I	3 Credits	(3-0-3)
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.			

Prerequisite(s): BIOL 2201, 3301, 4301, or CHEM 3801

Corequisite: BIOL 4411L

BIOL 4411L	Genetic Engineering Technology I Lab	1 Credit	(0-1-1)
Lab taken concurrently with BIOL 4411.			
<i>Corequisite</i> : BIOL 4411			

BIOL 4412	Genetic Engineering Technology II	4 Credits	(4-0-4)
Principles and applications of biotechnology/molecular biology laboratory methods. Use recombinant DNA technology, gene transfer, regeneration of transgenics, analysis of transgene expression, and other related techniques in biotechnology/molecular biology research.			
<i>Prerequisite(s)</i> : BIOL 4301 or 4411, junior standing and the consent of the instructor			

BIOL 4601	Neuroscience	3 Credits	(3-0-3)
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.			
<i>Prerequisite(s)</i> : BIOL 3201; 3511			
<i>Corequisite</i> : BIOL 4601L			

BIOL 4601L	Neuroscience Lab	1 Credit	(0-1-1)
Lab taken concurrently with BIOL 4601.			
<i>Corequisite</i> : BIOL 4601			

BIOL 4611	Developmental Biology	3 Credits	(3-0-3)
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.			
<i>Prerequisite(s)</i> : BIOL 3201, 3301, and 3511			
<i>Corequisite</i> : BIOL 4611L			

BIOL 4611L	Developmental Biology Lab	1 Credit	(0-1-1)
Lab taken concurrently with BIOL 4611.			
<i>Corequisite</i> : BIOL 4611			

BIOL 4631	Endocrinology	3 Credits	(3-0-3)
Physiology of the endocrine glands and their control of metabolism and reproductive cycles.			
<i>Prerequisite(s)</i> : BIOL 3201 and 3801			
<i>Corequisite</i> : BIOL 4631L			

BIOL 4631L	Endocrinology Lab	1 Credit	(0-1-1)
Lab taken concurrently with BIOL 4631.			
<i>Corequisite</i> : BIOL 4631			

BIOL 4641	Parasitology	3 Credits	(3-0-3)
General principles of parasitism; classification, morphology, and life cycle of parasites of vertebrates, and immuno-parasitology.			
<i>Prerequisite(s)</i> : BIOL 1108			
<i>Corequisite</i> : BIOL 4641L			

BIOL 4641L	Parasitology Lab	1 Credit	(0-1-1)
Lab taken concurrently with BIOL 4641.			
<i>Corequisite</i> : BIOL 4641			

BIOL 4651	Physiological Chemistry	3 Credits	(3-0-3)
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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, and respiratory functions will be stressed.

Prerequisite(s): BIOL 3201

Corequisite: BIOL 4651L

BIOL 4651L	Physiological Chemistry Lab	1 Credit	(0-1-1)
Lab taken concurrently with BIOL 4651.			
<i>Corequisite:</i> BIOL 4651			

BIOL 4681	Immunology	3 Credits	(3-0-3)
Introduction to the study of infection and immunity in disease, cell-mediated and humoral immunity, immunological methods, and immunochemistry.			
<i>Prerequisite(s):</i> BIOL 3201, 3321			
<i>Corequisite:</i> BIOL 4681L			

BIOL 4681L	Immunology Lab	1 Credit	(0-1-1)
Lab taken concurrently with BIOL 4681.			
<i>Corequisite:</i> BIOL 4681			

BIOL 4701	Molecular Genetics	3 Credits	(3-0-3)
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.			
<i>Prerequisite(s):</i> BIOL 3301			
<i>Corequisite:</i> BIOL 4701L			

BIOL 4701L	Molecular Genetics Lab	1 Credit	(0-1-1)
Practical laboratory exercises in gene cloning, sequencing and other recombinant DNA techniques.			
<i>Corequisite:</i> BIOL 4701			

BIOL 4711	Molecular Biology	3 Credits	(3-0-3)
Detailed analysis of structure and ultrastructure of the cell; biochemistry, biophysics, physiology, and molecular genetics.			
<i>Prerequisite(s):</i> CHEM 2501, BIOL 2201 and 3301			
<i>Corequisite:</i> BIOL 4711L			

BIOL 4711L	Molecular Biology Lab	1 Credit	(0-1-1)
Lab taken concurrently with BIOL 4711.			
<i>Corequisite:</i> BIOL 4711			

BIOL 4721	Physiological Ecology	3 Credits	(3-0-3)
A study of the anatomical, biochemical, and physiological adaptation of plants and animals to specific environments. Emphasis on physiological problems faced by organisms common to the local salt marsh and marine environments. Design and completion of individual research projects including data analysis and presentation.			
<i>Prerequisite(s):</i> BIOL 2401/2401L and CHEM 2501 and MSCI 3401K			

BIOL 4900	Special Topics	3-4 Credits	(V-0-V)
Special topics within the biological and health sciences chosen by faculty members or resulting from student requests. This course will allow for current issues and/or trends in the discipline to be addressed, as well as to offer courses by visiting and adjunct faculty.			

BIOL 4921	Senior Seminar Research	2 Credits	(2-0-2)
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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 research under the supervision of a mentor in a biology-related field and present research results in a formal seminar and submit written report.

Prerequisite(s): Completion of all 3000-level courses

BIOL 4930

Senior Synthesis

3 Credits (3-0-3)

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.

Prerequisite(s): Completion of 3000 level of core curriculum

Business Administration

BUSA 1101

Leadership & Professional Development I

1 Credit (1-0-1)

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.

BUSA 1103

Introduction to Business and Leadership

3 Credits (3-0-3)

Introduction to Business is a combination of exposing students to business and leadership concepts. The course is designed to assist first year students in their adjustment and assimilation into the university and business environment. Students will be introduced to a series of individual and group experiences that will enhance self-motivation, identify learning styles and habits, develop academic mindset, management skills, interpersonal skills, enhance critical thinking, information literacy skills, business communication and writing, working in multicultural environment and adopt study skills for college success.

BUSA 2105

Communicating in the Business Environment

3 Credits (3-0-3)

An emphasis on both interpersonal and organizational communication through written and oral exercises appropriate to business practice.

Prerequisite(s): ENGL 1101, ENGL 1102, and CISM 1130 or CSCI 1130

BUSA 2106

The Environment of Business

3 Credits (3-0-3)

An introduction to the legal, regulatory, political, social, ethical, cultural, environmental, and technological issues which form the context for business and an overview of the impact of demographic diversity on organizations.

BUSA 2182

Introduction to Business Statistics

3 Credits (3-0-3)

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(s): MATH 1113

BUSA 2185

Introduction to Business Research

3 Credits (3-0-3)

This course provides an introduction to research, its theoretical foundation and fundamental protocols. Students learn about research methodologies, the cyclical nature 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(s)*: BUSA 2182

3 Credits (3-0-3)

A course designed to acquaint non-business students with the tools and constructs necessary for economic survival. This course focuses on consumer credit, savings and investment, insurance, home ownership, and estate planning.

Prerequisite(s): MATH 1111, CISM 1130 or CSCI 1130, and ENGL 1102; Junior standing or 42 hour rule

3 Credits (3-0-3)

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(s): Junior standing or 42 hour rule

3 Credits (3-0-3)

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.

Prerequisite(s): 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;

3 Credits (3-0-3)

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(s):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

3 Credits (3-0-3)

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(s): Permission of COBA Dean

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.

1 Credit (1-0-1)

This course is a concurrent enrollment and co-requisite for Principles of Chemistry I (CHEM 1211/1211L), covering the fundamental principles and applications of chemistry to everyday life. It will act as a support to understanding fundamental chemistry concepts and nurture essential problem-solving techniques required for successful completion of CHEM 1211/1211L. The course will cover the following topics, but not limited to: scientific method, making measurements, the SI system, conversion factor, atomic and molecular structure, chemical formulas, chemical reactions, chemical equations, thermochemistry, quantum theory, electron configurations, periodicity, chemical bonding, states of gases, and states of matter and solutions.

Corequisite: CHEM 1211 and 1211L

CHEM 0999 Principles of Chemistry II Concept Development 1 Credit (1-0-1)

This course is a concurrent enrollment and co-requisite for Principles of Chemistry II (CHEM 1212/1212L), covering the fundamental principles and applications of chemistry to everyday life. It will act as a support to understanding fundamental chemistry concepts and nurture essential problem-solving techniques required for successful completion of CHEM 1212/1212L. The course will cover the following topics, but not limited to: colligative properties, chemical reaction rates, chemical equilibrium, acid-base chemistry, solubility, thermodynamics, electrochemistry, and nuclear chemistry.

Corequisite: CHEM 1212 and 1212L

CHEM 1101K* Introductory Chemistry 4 Credits (3-3-4)

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.

CHEM 1115* Chemical Calculations 3 Credits (3-0-3)

Introduction to the use of mathematics to solve chemical problems encountered in CHEM 1211 and 1212.

CHEM 1211 Principles of Chemistry I 3 Credits (3-0-3)

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.

Corequisite: CHEM 1211L

CHEM 1211L Principles of Chemistry I Lab 1 Credit (0-4-1)

Laboratory exercises to supplement the lecture material of CHEM 1211.

Corequisite: CHEM 1211

CHEM 1212 Principles of Chemistry II 3 Credits (3-0-3)

Second course in a two-semester sequence covering the fundamental principles and applications of chemistry.

Prerequisite(s): CHEM 1211

Corequisite: CHEM 1212L

CHEM 1212L Principles of Chemistry II Lab 1 Credit (0-4-1)

Laboratory exercises to supplement the lecture material of CHEM 1212.

Prerequisite(s): CHEM 1211L;

Corequisite: CHEM 1212

CHEM 2501 Organic Chemistry I 3 Credits (3-0-3)

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.

Prerequisite(s): CHEM 1212

Corequisite: CHEM 2501L

CHEM 2501L Organic Chemistry I Lab 1 Credit (0-4-1)

Laboratory techniques in organic chemistry; synthesis and reactions of organic compounds and spectroscopic analysis. Lab taken concurrently with CHEM 2501.

Prerequisite(s): CHEM 1212L;

CHEM 2511	Organic Chemistry II	3 Credits	(3-0-3)
A Continuation of Organic Chemistry I. (3-0-3)			
<i>Prerequisite(s):</i> CHEM 2501			
<i>Corequisite:</i> CHEM 2511L			

CHEM 2511L	Organic Chemistry II Lab	1 Credit	(0-4-1)
A Continuation of Organic Chemistry Laboratory I.			
<i>Prerequisite(s):</i> CHEM 2501L			
<i>Corequisite:</i> CHEM 2511			

CHEM 2601K	Chemistry Research Methods	2 Credits	(1-1-2)
<p>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.</p> <p><i>Prerequisite(s):</i> CHEM 1212 and 1212L</p>			

CHEM 3101K	Analytical Chemistry	4 Credits	(3-2-4)
Principles and techniques in volumetric and gravimetric determinations .Principles of chemical equilibria using chromatographic, spectrophotometric, and potentiometric methods of analysis.			
<i>Prerequisite(s):</i> CHEM 1212, CHEM 1212L			

CHEM 3111K	Instrumental Analysis	4 Credits	(3-2-4)
Instrumental techniques used in chemical analysis with emphasis on accuracy and precision. Statistical and regression methods for the interpretation of data.			
<i>Prerequisite(s):</i> CHEM 3101K			

CHEM 3201K	Inorganic Chemistry	4 Credits	(3-2-4)
<p>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.</p> <p><i>Prerequisite(s):</i> CHEM1212</p>			

CHEM 3401K	Physical Chemistry I	4 Credits	(3-2-4)
Thermochemistry, thermodynamics, equilibria, electrochemistry, kinetics and quantum mechanics.			
<i>Prerequisite(s)</i> : CHEM 1212, CHEM 1212L and MATH 2111			

CHEM 3411K	Physical Chemistry II	4 Credits	(3-2-4)
Liquids, solids, surface and transport phenomena. Modern treatment of atom, structure, spectroscopy, statistical mechanics and statistical thermodynamics.			
<i>Prerequisite(s):</i> CHEM 3401K			

CHEM 3522L	Advanced Synthesis Laboratory	2 Credits	(0-2-2)
<p>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.</p> <p><i>Prerequisite(s):</i> CHEM 2511 and CHEM 2511L</p>			

CHEM 3602K	Chemical Research	2 Credits	(1-1-2)
Supervised research including literature search, laboratory experimentation, and interpretation and presentation of results.			
<i>Prerequisite(s)</i> :CHEM 2101K, CHEM 2511, CHEM 2511L, CHEM 3201K and CHEM 3411K			

CHEM 3801	Biochemistry	3 Credits	(3-0-3)
Structure and function of proteins, nucleic acids, carbohydrates, and lipids. Emphasis on mechanistic analysis of metabolic pathways and enzymes activity. <i>Prerequisite(s):</i> CHEM 2511 and BIOL 1108			
CHEM 4211	Advanced Inorganic Chemistry	3 Credits	(3-0-3)
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. <i>Prerequisite(s):</i> CHEM 3201K			
CHEM 4411	Advanced Physical Chemistry	3 Credits	(3-0-3)
The aim of this course is to further advance students' understanding of the principles and applications of physical chemistry. <i>Prerequisite(s):</i> CHEM 3411K			
CHEM 4531	Advanced Organic Chemistry	3 Credits	(3-0-3)
Survey of modern organic synthesis with emphasis on mechanism of reactions. <i>Prerequisite(s):</i> CHEM 2511			
CHEM 4532	Medicinal Chemistry	3 Credits	(3-0-3)
Synthesis, structure, and mode of action of therapeutically active compounds. Design of pharmaceutical agents based on enzyme mechanism, structure activity relationships, and computer modeling. <i>Prerequisite(s):</i> CHEM 2511 and 3801			
CHEM 4601	Polymer Chemistry	3 Credits	(3-0-3)
Chemistry of polymers and the chemical and physical properties of polymers are discussed. Molecular weight characterization, structure and morphology and fabrication of polymer. <i>Prerequisite(s):</i> CHEM 2511 and 3401 <i>Corequisite:</i> CHEM 4601L			
CHEM 4601L	Polymer Chemistry Lab	1 Credit	(0-4-1)
Lab taken concurrently with CHEM 4601. <i>Prerequisite(s):</i> CHEM 2511L <i>Corequisite:</i> CHEM 4601			
CHEM 4801	Advanced Biochemistry	3 Credits	(3-0-3)
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. <i>Prerequisite(s):</i> CHEM 3801			
CHEM 4901	Chemical Seminar	1 Credit	(1-0-1)
Modern development in specific subdivisions of the field of chemistry. <i>Prerequisite(s):</i> Junior or senior standing			
CHEM 4902	Special Topics in Chemistry	3 Credits	(3-0-3)
Discussion of current topics in organic, analytical, physical chemistry, biochemistry, or polymer chemistry.			

Chinese

CHIN 1001	Elementary Chinese I	3 Credits	(3-0-3)
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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	(3-0-3)
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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(s): CHIN 1001

CHIN 2001	Intermediate Chinese I	3 Credits	(3-0-3)
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Intensive review of grammar and sentence structure, with emphasis on writing, speaking, and reading. Some cultural aspects will also be studied.

Prerequisite(s): CHIN 1002 or two years of high school Chinese

CHIN 2002	Intermediate Chinese II	3 Credits	(3-0-3)
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Continuation of CHIN 2001.

Prerequisite(s): CHIN 2001

Computer Information Systems

CISM 1130	Introduction to Computer Applications	3 Credits	(3-0-3)
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An introductory course specially designed to help students become computer literate. The course covers the history of computers, hardware, software, and use of the state-of-the-art technology. Another unique feature of this course is that student use Internet, MS OFFICE applications using word processing, spread sheets, and HTML language to create homepages.

CISM 2130	Business Information Systems	3 Credits	(3-0-3)
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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(s): CISM 1130 or CSCI 1130

CISM 2140	Introduction to Programming: Visual Basic	3 Credits	(3-0-3)
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Topics include the visual programming environment, event-driven programming, file processing, database processing, error handling, objects and class libraries.

Prerequisite(s): CISM 2130

CISM 3109/DATA 3109	Introduction to Data Analytics and Mining	3 Credits	(3-0-3)
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The aim of this hands-on course is to allow students to understand the foundational skills in data analytics, including but not limited to: preparing and working with real-world data sets. Abstracting and modeling an analytic question; and using tools from statistics and data mining to address these questions. Students will study the entire data analysis process, from raw data mining to address these questions. Students will study the entire data analysis process, from raw data to a deeper understanding of the patterns and structures within the data, and utilize techniques that enable one to make predictions and data-informed decisions. At the end of the course, students should feel comfortable using basic data mining techniques to answer questions about data using a statistical software packages such as SAS Enterprise Miner, R, Tableau, and Microsoft Excel.

Prerequisite: MATH 1113 and CISM 1130 or CSCI 1130 and BUSA 2182 or SOCI 2101 or MATH 1401

CISM 3010/DATA 3010	Business Intelligence	3 Credits	(3-0-3)
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The aim of this hands-on course is to provide an integrative foundation in the field of business intelligence at the operational, tactical, and strategic levels, and to provide students with an understanding of several data analytics techniques. Students will learn how these tools may be used to analyze complex business problems and identify rational solutions.

Prerequisites: MATH 1113 and CISM/CSCI 1130 and BUSA 2182 or SOCI 2101 or MATH 1401

CISM 3111/DATA 3111	Applied Statistics For Data Science	3 Credits	(3-0-3)
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Introduction to intermediate level applied statistics and techniques of statistical modeling. The course will utilize available primary and secondary data sets in improving the conceptual understanding. The course will involve use of programming through scripting language (Python) and statistical package R and STATA. The focus of the course will be on using understanding the following concepts by analyzing data in Python, R and STATA: inferential statistics, data mining, visualization, linear regression, decision trees, logistics regression, k-means clustering, hierarchical clustering, collaborative filtering, random forests, resampling methods, classification, singular value decomposition, regularization, choosing models and fitting parameters, generalized linear models etc.

Prerequisite: MATH 1113 and CISM 1130 or CSCI 1130 and BUSA 2182 or SOCI 2101 or MATH 1401

CISM 3137	System Analysis & Design	3 Credits	(3-0-3)
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An introduction to concept of the system development life cycle (SDLC). Systems development techniques, methodologies, and CASE tools are introduced.

Prerequisite(s): CISM 2130; Junior standing or 42 hour rule

CISM 3232	Web Application Development	3 Credits	(3-0-3)
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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(s): CISM 2130; Junior standing or 42-hour rule

CISM 3325	Data Communication & Computer Networks	3 Credits	(3-0-3)
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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(s): CISM 2130; Junior standing or 42 hour rule

CISM 4137	Database Design & Implementation	3 Credits	(3-0-3)
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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(s): CISM 2130; Junior standing or 42-hour rule

CISM 4138	Contemporary Topics in CIS	3 Credits	(3-0-3)
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A course that examines current issues in CIS. Topics may include visual programming, RAD techniques, building Internet applications, and advanced networking techniques.

Prerequisite(s): CISM 2130; Junior standing or 42-hour rule

CISM 4150 **Network Administration** **3 Credits (3-0-3)**

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.

Prerequisite(s): CISM 3325

CISM 4200 **Project Management** **3 Credits (3-0-3)**

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.

Prerequisite(s): CISM/CISM 1130 and CISM 2130 with grades of C or better or instructor approval

CISM 4900 **Occupational Internship** **3 Credits (3-0-3)**

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(s): CISM 2140, CISM 3137, and CISM 3325 with grade of C or better or instructor approval

Civil Engineering Technology

CIVT 2109 **Introduction to Transportation Planning** **3 Credits (3-0-3)**

This course introduces the fundamentals of transportation planning and explores a broad range of topics that touch on method, policy, process, and design. Different aspects of transportation planning as well as different modes of transportation and their components will be discussed. The course also covers basic knowledge of network modeling, travel demand forecasting, and systems evaluation. The interaction and contribution of transportation planning to other disciplines such as energy, economics, and health, and social life will be discussed. There will be a class project on how to use PTV Visum software for regional transportation planning

CIVT 2113/DATA 2113 **Data Analytics in Transportation and Logistics** **3 Credits (3-0-3)**

The purpose of this course is to provide students with a solid foundation in theory and application of transportation systems with a focus on data analytics. Data characteristics from a wide ranges of transportation areas including traffic flow, safety, and planning will be investigated, along with well-suited modeling and analysis techniques. Topics to be covered include sampling and data collection, descriptive statistics and data representation, fitting data to distributions, and regression analysis.

Prerequisite: MATH 1113 and CSCI 1130 or CISM 1130

CIVT 3101K **Surveying** **4 Credits (3-2-4)**

A comprehensive study of taping, leveling, angle, and direction measurements, theodolites, traverse measurements computation of coordinates, areas, and volumes; topographic surveying, contouring; tachometry, 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.

Prerequisite(s): MATH 1113

CIVT 3109 Traffic Engineering & Analysis 3 Credits (2-2-3)

Introduces traffic engineering as the application of engineering methods and techniques to identify the characteristics of people and vehicles while moving and interacting on transportation infrastructures.

Prerequisite(s): CIVT 2109

CIVT 3201K Civil Engineering Materials 3 Credits (2-2-3)

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.

Prerequisite(s): MATH 1113

CIVT 3211 Construction Estimating & Management 3 Credits (3-0-3)

Construction planning and management; contracting (types, methods, documents); specifications, mathematical techniques of construction cost estimating; preparation and submission of bid; construction scheduling (CPM); project administration (financial, personnel, claims and disputes, change orders, safety); computer applications.

Prerequisite(s): CIVT 3201K

CIVT 3301K Fluid Mechanics 4 Credits (3-2-4)

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.

Prerequisite(s): ENGT 3101 or ENGR 2201, and MATH 2111

CIVT 3311 Engineering Hydrology 3 Credits (3-0-3)

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(s): CIVT 3301K

CIVT 3401K Highway & Transportation Engineering 4 Credits (3-2-4)

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.

Prerequisite(s): CIVT 3101K, CIVT 3201K, MATH 2111, and (ENGT 2101K or ENGR 2770)

CIVT 3501 Civil Engineering Computing Practices 3 Credits (3-0-3)

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.

Prerequisite(s): Junior Standing or Consent of the Instructor

CIVT 3601K Soil Mechanics & Foundation Design 4 Credits (3-2-4)

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

Prerequisite(s): CIVT 3201K and ENGT 3601

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.

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Mass Communications

COMM 1000 **Mass Communications Colloquium** **2 Credits** **(2-0-2)**

Entering freshmen take this course as a first-year experience learning opportunity to gain exposure to foundations for college success, campus resources, and journalism and mass communications-specific content as an introduction to the major.

COMM 2101 **Writing for Multimedia** **3 Credits** **(3-0-3)**

This hands-on sampler course introduces students to the definition of news and basic news reporting and writing, including the use of Associated Press style. Students learn basic video scriptwriting and video production. The principles of information-gathering and writing for public relations and advertising, including the news release, are introduced. Students are expected to learn and practice the theories of journalism and public relations according to the highest professional standards.

Prerequisite(s): ENGL 1101 and ENGL 1102

COMM 2105 **Mass Media & Society** **3 Credits** **(3-0-3)**

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** **(3-0-3)**

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 2107 **Women in the Media** **3 Credits** **(3-0-3)**

A survey of the history, the contributions, representation, and portrayal of women in the media. Assessment of the impact of such portrayal on social, political, and cultural interactions.

COMM 2810 **Introduction to Communication Research** **3 Credits** **(3-0-3)**

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.

COMM 3101 **Media Arts & Design** **3 Credits** **(3-0-3)**

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 **Photography for Multimedia** **3 Credits** **(3-0-3)**

This hands-on course teaches the essential skills of making photographic images for journalism applications from print and online text stories to video stories. Skills taught include framing, lighting, angles, action, content and the like.

COMM 3105 **News Writing & Reporting** **3 Credits** **(3-0-3)**

The course focuses on real-world beat and specialty news reporting using the techniques including interviewing, observation and data evaluation. Students learn to identify credible information sources including people, documents and online data. They practice representing that information comprehensively, accurately and fairly in text stories and multimedia production. (Prerequisite: COMM 2101)

Prerequisite(s): COMM 2101

COMM 3110 **Multimedia Design and Production** **3 Credits** **(3-0-3)**

This hands-on course introduces students to the concepts, theories and software for designing print and online publications including newspapers, magazines, social media and more. Students apply these theories in the development of multiple printed and online-based projects. The course reinforces concepts of data visualization through graphs and charts.

COMM 3120	Introduction to Communications Theory	3 Credits	(3-0-3)
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	(3-0-3)
An historical survey of the principal developments in journalism from the eighteenth through the twentieth centuries.			
COMM 3201	Feature Reporting and Writing	3 Credits	(3-0-3)
In this practical course, students write in several forms, including the news feature, the profile, the trend-analysis story, data-based investigations and the self-immersion story. Students use the production of multimedia elements such as videos, still photographs, charts and maps to expand and enhance text storytelling. Students discuss freelancing stories for specific audiences and print and online publications. <i>Prerequisite(s):</i> COMM 3105			
COMM 3301	Introduction to Multimedia Production	3 Credits	(3-0-3)
This course is designed to provide students with an introduction to the disciplines and techniques involved in producing content for broadcast television, broadcast radio, and digital platforms including the internet. The course will also give students a basic operating knowledge of the terminology used in broadcast and digital media. <i>Prerequisite(s):</i> COMM 2105			
COMM 3302	Speech for Multimedia	3 Credits	(3-0-3)
A course designed to teach the basic techniques of radio and television broadcasting. Emphasis on news casting, advertising, sports casting, and announcing formats. <i>Prerequisite(s):</i> SPEH 1101			
COMM 3303	Scriptwriting for Multimedia	3 Credits	(3-0-3)
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. <i>Prerequisite(s):</i> COMM 2101			
COMM 3305	Introduction to Film Production	3 Credits	(3-0-3)
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. <i>Prerequisite(s):</i> COMM 3901			
COMM 3306	Introduction to Audio Production	3 Credits	(3-0-3)
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 & Strategic Communication	3 Credits	(3-0-3)
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. <i>Prerequisite(s):</i> COMM 2101 and COMM 3110			
COMM 3402	Advertising Media Sales & Purchases	3 Credits	(3-0-3)

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** **(3-0-3)**
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 3951 **Special Topics** **3 Credits** **(3-0-3)**
Special Topics in Mass Communication

COMM 4101 **Strategic Communication Writing** **3 Credits** **(3-0-3)**
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 **Opinion and Editorial Writing** **3 Credits** **(3-0-3)**
In this course, students practice the techniques of column and editorial writing and also the crafting of reviews of movies, food and the like. Students generate ideas, conduct research and write journalistic essays suitable for publication in print and online news media.
Prerequisite(s): COMM 3303 or COMM 3401

COMM 4106 **Communications Practicum** **3 Credits** **(3-0-3)**
Intensive field and laboratory practice on video, audio, or print projects under faculty supervision.
Prerequisite(s): COMM 3401 or COMM 4107 or COMM 4170 and Permission of instructor

COMM 4107 **Advanced Video & Post Production** **3 Credits** **(3-0-3)**
Advanced instruction and practice in television production, including directing, programming, and equipment.
Prerequisite(s): COMM 3301

COMM 4108 **Film & Television Directing** **3 Credits** **(3-0-3)**
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(s): COMM 3301 or COMM 3305

COMM 4109 **Multimedia News Production** **3 Credits** **(3-0-3)**
This course is designed to provide students with the skills to plan and produce all the production elements of a broadcast news program. Course content will consist of writing, shooting and editing material for news programs for broadcast television, broadcast radio, and digital platforms including the internet.
Prerequisite(s): COMM 3301

COMM 4110 **Audio Production and Sound Design** **3 Credits** **(3-0-3)**
Advanced instruction and practice in audio production, including directing, programming, and equipment.
Prerequisite(s): COMM 3301

COMM 4111 **Film & Television Editing** **3 Credits** **(3-0-3)**
This course will provide students with an introduction to linear and non-linear editing processes for film and television.
Prerequisite(s): COMM 3301 or COMM 3305

COMM 4112 **Commercial Recording** **3 Credits** **(3-0-3)**

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(s): COMM 3306

COMM 4113 Advanced Post-Production Techniques 3 Credits (3-0-3)

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(s): COMM 4111 or COMM 4112

COMM 4115 Independent Study 3 Credits (3-0-3)

Directed individual work under the guidance of various faculty members.

Prerequisite(s): Permission of the instructor

COMM 4170 Magazine Writing and Reporting 3 Credits (3-0-3)

In this course, students learn to report and write length in text forms including trend-analysis using data-based investigations. Multimedia elements enlarge and enhance text stories. Students are expected to observe the highest standards of professionalism and ethical practice and to target their stories at journalism's best publications, in print and online. *Prerequisite(s)*: COMM 3105

COMM 4201 Copy Editing 3 Credits (3-0-3)

This course focuses on the traditional definition of copy editing: the reading of text stories for the mechanics of grammar, punctuation, spelling and syntax, the use of Associated Press, organization and style. It also emphasizes fact-checking for accuracy, comprehensiveness, and fairness in text stories and multimedia. A third focus is the editor's thinking and decision-making process in writing headlines and captions and making assignments for text stories and multimedia elements.

Prerequisite(s): COMM 3105

COMM 4211 Newspaper Production 3 Credits (3-0-3)

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(s): Prior approval of instructor

COMM 4402 Strategic Campaign Principles 3 Credits (3-0-3)

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.

Prerequisite(s): COMM 3401 and COMM 4101

COMM 4406 Strategic Campaign Production 3 Credits (3-0-3)

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.

Prerequisite(s): COMM 3401 and COMM 4101

COMM 4705 Media Ethics & the Law 3 Credits (3-0-3)

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(s): Junior or Senior Standing

COMM 4810 Advanced Communication Research 3 Credits (3-0-3)

A continuation of COMM 2810: Introduction to Communications Research

Prerequisite(s): COMM 2810

A survey and analysis of the documentary format employed in film productions, 1945-1970s, and preparation and production of a mini- documentary.

CRJU 3121	American Corrections	3 Credits	(3-0-3)
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	(3-0-3)
A case study approach to theoretical and applied knowledge of constitutional issues affecting the criminal justice system.			
CRJU 3311	American Court Systems	3 Credits	(3-0-3)
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.			
<i>Prerequisite(s):</i> CRJU 1101			
CRJU 3321	Race, Gender, Class & Crime	3 Credits	(3-0-3)
A comprehensive study of the role of crime in the lives of various minorities within American society.			
<i>Prerequisite(s):</i> CRJU 1101			
CRJU 3361	Human Behavior	3 Credits	(3-0-3)
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	(3-0-3)
Community policing philosophy, applications and issues and contemporary research of policing methods			
CRJU 3521	Drugs, Alcohol, & Crime	3 Credits	(3-0-3)
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	(3-0-3)
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	(6-0-6)
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	(3-0-3)
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.			
<i>Prerequisite(s):</i> CRJU 1101			
CRJU 4301	Jurisprudence of Criminal Law	3 Credits	(3-0-3)
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.			
<i>Prerequisite(s):</i> CRJU 1101			
CRJU 4311	Juvenile Justice	3 Credits	(3-0-3)
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.			
<i>Prerequisite(s):</i> CRJU 1101			
CRJU 4331	Comparative Criminal Justice Systems	3 Credits	(3-0-3)

Prerequisite(s): CRJU 1101

3 Credits (3-0-3)

Prerequisite(s): CRJU 1101

3 Credits (3-0-3)

3 Credits (3-0-3)

Prerequisite(s): CRJU 1101

3 Credits (3-0-3)

Prerequisite(s): CRJU 1101 or CRJU 2102

3 Credits (3-0-3)

Prerequisite(s): Permission of the instructor

Computer Science Technology

3 Credits (3-0-3)

3 Credits (3-0-3)

Prerequisite(s): MATH 1111

4 Credits (4-0-4)

Prerequisite(s): CSCI 1301

3 Credits (3-0-3)

Prerequisite(s): MATH 1113

CSCI 1610	Programming in Java	4 Credits	(4-0-4)
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. <i>Prerequisite(s):</i> MATH 1113			
CSCI 2215	Perl Scripting	4 Credits	(4-0-4)
Designed to teach students how to use PERL (Practical Extraction and Reporting Language) for Web/CGI scripting. <i>Prerequisite(s):</i> CSCI 1301			
CSCI 2231K	Introduction to UNIX	3 Credits	(2-2-3)
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. <i>Prerequisite(s):</i> CSCI 1301 or CSCI 1371			
CSCI 3000	Data Structure & Algorithm Design	3 Credits	(3-0-3)
Introduction to computation complexities, object-oriented programming, and basic data structures; lists, stacks, trees, recursion, and graphs. <i>Prerequisite(s):</i> CSCI 1301 and CSCI 1302			
CSCI 3102	Visual Basic	3 Credits	(3-0-3)
An introduction to Visual Basic and Windows 95 applications. Topics include Form, List Box, Text Box, Scroll Bars, Menu and other windows resources. <i>Prerequisite(s):</i> CSCI3000			
CSCI 3210	Advanced Java	3 Credits	(3-0-3)
An introduction to Java and Web page programming. Students write basic Java applets. <i>Prerequisite(s):</i> CSCI 3000 and CSCI 1610			
CSCI 3385K	Computer Network & Design	3 Credits	(2-2-4)
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. <i>Prerequisite(s):</i> CSCI 1301 or CSCI 1371			
CSCI 4110	Operating Systems	3 Credits	(3-0-3)
Study of process control, CPU scheduling, primary memory management, and secondary memory management. <i>Prerequisite(s):</i> CSCI 3000			
CSCI 4210	Data Base Management	3 Credits	(3-0-3)
Introduction to database application design. Topics include problem analysis, various data models, implementation, using Microsoft access, forms, reports, SQL, and database programming. <i>Prerequisite(s):</i> CSCI 3000			
CSCI 4410	Web Based Programming	3 Credits	(3-0-3)
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. <i>Prerequisite(s):</i> CSCI 3000			

Data Analytics

DATA 2113/CIVT 2113

Data Analytics in Transportation and Logistics

3 Credits (3-0-3)

The purpose of this course is to provide students with a solid foundation in theory and application of transportation systems with a focus on data analytics. Data characteristics from a wide ranges of transportation areas including traffic flow, safety, and planning will be investigated, along with well-suited modeling and analysis techniques. Topics to be covered include sampling and data collection, descriptive statistics and data representation, fitting data to distributions, and regression analysis.

Prerequisite: MATH 1113 and CSCI 1130 or CISM 1130

DATA 3109/CISM 3109

Introduction to Data Analytics and Mining

3 Credits (3-0-3)

The aim of this hands-on course is to allow students to understand the foundational skills in data analytics, including but not limited to: preparing and working with real-world data sets. Abstracting and modeling an analytic question; and using tools from statistics and data mining to address these questions. Students will study the entire data analysis process, from raw data mining to address these questions. Students will study the entire data analysis process, from raw data to a deeper understanding of the patterns and structures within the data, and utilize techniques that enable one to make predictions and data-informed decisions. At the end of the course, students should feel comfortable using basic data mining techniques to answer questions about data using a statistical software packages such as SAS Enterprise Miner, R, Tableau, and Microsoft Excel.

Prerequisite: MATH 1113 and CISM 1130 or CSCI 1130 and BUSA 2182 or SOCI 2101 or MATH 1401

DATA 3010/CISM 3010

Business Intelligence

3 Credits (3-0-3)

The aim of this hands-on course is to provide an integrative foundation in the field of business intelligence at the operational, tactical, and strategic levels, and to provide students with an understanding of several data analytics techniques. Students will learn how these tools may be used to analyze complex business problems and identify rational solutions.

Prerequisites: MATH 1113 and CISM/CSCI 1130 and BUSA 2182 or SOCI 2101 or MATH 1401

DATA 3111/CISM 3111

Applied Statistics For Data Science

3 Credits (3-0-3)

Introduction to intermediate level applied statistics and techniques of statistical modeling. The course will utilize available primary and secondary data sets in improving the conceptual understanding. The course will involve use of programming through scripting language (Python) and statistical package R and STATA. The focus of the course will be on using understanding the following concepts by analyzing data in Python, R and STATA: inferential statistics, data mining, visualization, linear regression, decision trees, logistics regression, k-means clustering, hierarchical clustering, collaborative filtering, random forests, resampling methods, classification, singular value decomposition, regularization, choosing models and fitting parameters, generalized linear models etc.

Prerequisite: MATH 1113 and CISM 1130 or CSCI 1130 and BUSA 2182 or SOCI 2101 or MATH 1401

DATA 3115/MATH 3115

Mathematical Data Analytics

3 Credits (3-0-3)

The objective of this course is to provide conceptual as well as hands-on experience of working with big data sets with the aid of structured programmatic skills to develop a scientific approach towards mathematical data analytics. An introduction to predictive analytics will be followed by demonstrating its applications on imported

data to discover meaningful patterns and trends. Various statistical (machine) learning techniques will be introduced and their advantages/disadvantages in supporting a selected data-driven learning system will be discussed.

Prerequisite(s): (CISM/DATA 3109 and CISM/DATA 3111) or (BUSA 2182 and MATH 3000)

DATA	Data Visualization	3 Credits	(3-0-3)
3190/ENGT			
3190			

An important skill that a data analyst should possess is to communicate practical implications of any data set after performing quantitative analysis of the information. Using technical means and software tools to communicate the information in a non-technical manner will help firms to make meaningful decision. Data visualization requires students to become familiar with technologies in use, streamline the analysis, and highlight implications efficiently using tools such as Python and R.

Prerequisite: MATH 1113 and CSCI 1130 or CISM 1130

DATA	Big Data Analysis in the Sciences	3 Credits	(3-0-3)
3560/MSCI			
3560			

A course in basic quantitative and analytical tools used to understand large sciences datasets, primarily using examples from the geosciences. Students will gain confidence in both the interpretation of presented data as well as the application of tools used for a variety of data types. Concepts covered will include sampling theory and design, plotting and visualizing data, basic data analysis techniques in Excel and MatLab, linear regression and curve fitting, time-series analysis, introduction to geoscience models, management of large data sets, and scripting in at least one software program typically used in geosciences (e.g., MatLab, R, etc.). This course will use example data sets commonly collected from ocean observatories, satellite remote sensing, data loggers, tagging and tracking experiments, moorings, current meters, long-term climate data sets, and other common types of science data.

Prerequisite: BIOL 1107 or ENV5 2401 or MSCI 2010K and MATH 1113 and CISM/CSCI 1130

Dance

DNCE 1000	Dance Forum	0 Credits	(0-0-0)
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Dance Forum is a required weekly meeting involving all dance majors and minors enrolled in dance technique classes. This forum gathers the student body to engage in enriching discussions, processes for presenting work, creating, sharing and adjudicating dance, and networking opportunities with dance professional's activity in the field for aster classes, workshops, lectures and insight into careers in dance.

DNCE 1501	Dance Fundamentals	2 Credits	(2-0-2)
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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 2010	Dance Appreciation	3 Credits	(3-0-3)
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This course is a survey of all aspects of the dance experience spanning prehistoric dance through the 21st century. Students will be introduced to universal human movement, expression of cultural identity and art form. They will survey global dance including folk, ceremonial, ritual, court and classical dance and dance as a way of life and daily practice. Students will become familiar with historical writings and critical readings, dance theories and styles in order to unearth masterpieces of dance and theater and develop responsiveness to dance.

DNCE 2501	Modern I	2Credits	(2-0-2)
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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 (3-0-3)

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(s): DNCE 2501

Corequisite: DNCE 1000

DNCE 2661 Ballet I 2 Credits (2-0-2)

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.

Corequisite: DNCE 1000

DNCE 2851 Performance Dance Ensemble 1 Credit (1-0-1)

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.

Prerequisite(s): DNCE 1501

Corequisite: DNCE 1000

DNCE 2855 Performance Dance Ensemble 1 Credit (1-0-1)

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.

Prerequisite(s): DNCE 1501

Corequisite: DNCE 1000

DNCE 3400 Jazz I 2 Credits (2-0-2)

This course equips students with intermediate level jazz dance technique and a deeper embodiment of specific jazz styles related to theater and commercial dance. Students will observe and practice technique as well as embody different genres such as Broadway/American jazz, Latin jazz, blues and mader jazz. Students will encode, memorize and demonstrate jazz sequences and will synthesize different styles with performance proficiency.

Prerequisite: DNCE 1501

DNCE 3401 Jazz II 2 Credits (2-0-2)

This course is a continuation of Jazz I and is the last succession or sequence of mastery in this genre. Jazz II prepares students for mastery level technical skills and concepts, increased flexibility and endurance, lengthier choreographic sequences and a deeper understanding of specific jazz styles related to theater and commercial dance. Students will practice technique across disciplines and embody selected Broadway musicals and fusion of contemporary dance. Students will encode, memorize and demonstrate jazz sequences and will synthesize different styles with performance proficiency.

Prerequisite: DNCE 1501 and DNCE 3400

DNCE 3501 Appreciation and History of Dance 3 Credits (3-0-3)

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 (3-0-3)

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 **Dances of African Diaspora I** **2 Credits (2-0-2)**
Beginning with Dunham Techniques, the course introduces the rich dance cultures of the Caribbean. Students will learn the different dances of Haiti, Cuba, Jamaica, and Trinidad as they relate to their function in secular and religious culture. Students will also study the Dunham Dance Techniques as codified by distinguished dancer Katherine Dunham.

Prerequisite(s): DNCE 1501

Corequisite: DNCE 1000

DNCE 3662 **Ballet II** **3 Credits (3-0-3)**
This course increases development and intermediate level contemporary ballet technique.

Prerequisite(s): DNCE 2661

DNCE 3851 **Performance Dance Ensemble** **1 Credit (1-0-1)**
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.

Prerequisite(s): DNCE 1501

Corequisite: DNCE 1000

DNCE 3855 **Performance Dance Ensemble** **1 Credit (1-0-1)**
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.

Prerequisite(s): DNCE 1501

Corequisite: DNCE 1000

DNCE 4500 **Dance Composition** **3 Credits (3-0-3)**
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 (3-0-3)**
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. *Prerequisite(s):* DNCE 2501 and 3501

Corequisite: DNCE 1000

DNCE 4504 **Performance Dance Ensemble I** **3 Credits (3-0-3)**
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(s): DNCE 2501

Corequisite: DNCE 1000

DNCE 4851 **Performance Dance Ensemble** **1 Credit (1-0-1)**
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.

Prerequisite(s): DNCE 1501
Corequisite: DNCE 1000

DNCE 4855 Performance Dance Ensemble 1 Credit (1-0-1)

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.

Prerequisite(s): DNCE 1501
Corequisite: DNCE 1000

Economics

ECON 2105 Principles of Macro-Economics 3 Credits (3-0-3)

An introduction to concepts that enable students to understand and analyze economics aggregates and evaluate economic policies.

Prerequisite(s): MATH 1111 or equivalent

ECON 2106 Principles of Micro-Economics 3 Credits (3-0-3)

An introduction to concepts that enable students to understand and analyze the structure and performance of the market economy.

Prerequisite(s): MATH 1111 or equivalent

Education

EDUC 1103 First Year Experience for Future Educators 2 Credits (2-0-2)

This course is designed to support students who aspire to work in the field of education with the information and skills to achieve the academic and social transitions for success at Savannah State University and in an educator preparation program. Students will be provided with the tools needed to develop an individualized plan that can enable them to successfully meet the requirements of a professional program in education, the standards of the Georgia Professional Standards Commission (GaPSC), and the expectations of a career as an educator.

EDUC 2000 Technology in Teaching and Learning 3 Credits (3-0-3)

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 2100 Reading and Writing Strategies 3 Credits (3-0-3)

Knowledge and skill to apply effective reading and writing strategies in content area subjects can have a direct impact on student success. This course will provide pre-service teachers with best practices and instructional strategies to use in the classroom with future students, as well as personal skill development. Focus areas include pre-, during, and after-reading skills and application of the writing process in informational and scientific writing.

EDUC 2103 Educational Psychology 3 Credits (3-0-3)

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 (3-0-3)

In this course, 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. There are 10 field experience credits in this course. The course cannot be passed without completion of the field experience credits. 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 (3-0-3)

This course introduces students 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; 4) the influences of culture on learning, development and pedagogy, and 5) an introduction to English for Speakers of other Languages (ESOL). Includes 10 hours of field experience. The course cannot be passed without completion of the field experience hours. Verification of professional liability insurance and a criminal background check are required prior to receiving a school placement. Time documentation, evaluation forms and reflections papers are required.

EDUC Exploring Teaching and Learning 3 Credits (3-0-3)
2130/5130

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 10 field experience hours in this course. This 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. Prerequisite: EDUC 2110 or 2120

EDUC 2140 Exploring Global Issues in Education 3 Credits (3-0-3)

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 Teaching Exceptional Learners 3 Credits (3-0-3)
3030/5030

This course is designed to prepare candidates to meet the educational, social, and behavioral needs of diverse students, including those with a full range of disabilities and gifted students. Current information on legislative mandates for serving exceptional students, characteristics of exceptionality, and best practices in teaching exceptional individuals will be addressed. Field hours are required. *Prerequisite(s)*: Admission to Teacher Education.

EDUC Classroom Management & Ethics of Teaching 3 Credits (3-0-3)
3040/5040

This course engages students in the design of effective instruction that supports classroom management to maximize learning. Communicating clear expectations, responding to behaviors, and effectively managing and maintaining a safe learning environment are addressed. The ethics and dispositions required for the teaching profession are a focus of this course. *Prerequisite(s)*: Admission to Teacher Education Program.

EDUC 3200/5200	Curriculum and Assessment	3 Credits	(3-0-3)
This course focuses on the foundation of curriculum and assessment with a focus on alignment of instruction and assessment to learning outcomes. Formative and summative assessments and documenting and interpreting student achievement data through the use of technology will be studied. Field hours are required. <i>Prerequisite(s)</i> : Admission to Teacher Education.			
EDUC 3300	Teaching the Four Skills: Reading, Writing, Listening, and Speaking	3 Credits	(3-0-3)
Students will examine the teaching of reading, writing, listening, and speaking with a focus on the application of the critical components of reading instruction and the use of diagnostic assessment practices to differentiate instruction based on literacy needs. Students will apply strategies to design and adapt instruction for English as a Second Language (ESOL).			
EDUC 4000	Special Topics	1-13 Credits	(V-0-V)
This course focuses on topics in education or topics in the major content area of education.			
EDUC 4475	Student Teaching/Clinical Practice	10 Credits	(10-0-10)
Student teaching is a 630 hour field-based capstone requirement for teacher certification and BSED candidates. Requirements for entry, grade level and/or content placement, and teaching experiences at the assigned school adhere to the most recent rules for teacher certification mandated by the Georgia Professional Standards Commission (GaPSC). Students must meet all requirements for eligibility and have the approval of the department and field and clinical experience coordinator to register for this course. Supervision in the field will be under the director of an assigned cooperating teacher and university supervisor(s).			
EDUC 4476	Student Teaching Seminar	2 Credits	(2-0-2)
This seminar, taken with EDUC 4475 Student Teaching/Clinical Practice, provides students with structured support to meet final teacher preparation program requirements mandated by the Georgia Professional Standards Commission (GaPSC) for teacher certification. Completion of GACE assessments and submission of a teaching portfolio to edTPA are required to complete this course.			
EDUC 5030/3030	Teaching Exceptional Learners	3 Credits	(3-0-3)
This course is designed to prepare candidates to meet the educational, social, and behavioral needs of diverse students, including those with a full range of disabilities and gifted students. Current information on legislative mandates for serving exceptional students, characteristics of exceptionality, and best practices in teaching exceptional individuals will be addressed. Field hours are required. <i>Prerequisite(s)</i> : Admission to Teacher Education.			
EDUC 5040/3040	Classroom Management & Ethics of Teaching	3 Credits	(3-0-3)
This course engages students in the design of effective instruction that supports classroom management to maximize learning. Communicating clear expectations, responding to behaviors, and effectively managing and maintaining a safe learning environment are addressed. The ethics and dispositions required for the teaching profession are a focus of this course. <i>Prerequisite(s)</i> : Admission to Teacher Education Program.			
EDUC 5130/3130	Exploring Teaching and Learning	3 Credits	(3-0-3)
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 10 field experience hours in this course.			

This 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 Curriculum and Assessment 3 Credits (3-0-3)
5200/3200

This course focuses on the foundation of curriculum and assessment with a focus on alignment of instruction and assessment to learning outcomes. Formative and summative assessments and documenting and interpreting student achievement data through the use of technology will be studied. Field hours are required.

Prerequisite(s): Admission to Teacher Education.

EDUC 5201 Literacy in the Content Areas 3 Credits (3-0-3)

This course examines effective strategies to address literacy and adapt instruction in multiple contexts to meet the needs of diverse learners with a focus on ESOL students and students with reading challenges.

Prerequisite(s): Admission to Teacher Education.

EDUC 5415 Methods in Middle Grades Education with Practicum 3 Credits (3-0-3)

This content-specific course is designed to provide teacher candidates with standards-based planning, instruction, and assessment strategies in the grade range and certification area(s). Practicum hours are required in a school setting in the specific content area(s) and in the grade range.

Prerequisite(s): Admission to Teacher Education.

EDUC 5416 Methods in Biology Education with Practicum 3 Credits (3-0-3)

This content-specific course is designed to provide teacher candidates with standards-based planning, instruction, and assessment strategies in the grade range and certification area(s). Practicum hours are required in a school setting in the specific content area(s) and in the grade range.

Prerequisite(s): Admission to Teacher Education.

EDUC 5417 Methods in Mathematics Education with Practicum 3 Credits (3-0-3)

This content-specific course is designed to provide teacher candidates with standards-based planning, instruction, and assessment strategies in the grade range and certification area(s). Practicum hours are required in a school setting in the specific content area(s) and in the grade range.

Prerequisite(s): Admission to Teacher Education.

EDUC 5418 Methods in Engineering Technology Education with Practicum 3 Credits (3-0-3)

This content-specific course is designed to provide teacher candidates with standards-based planning, instruction, and assessment strategies in the grade range and certification area(s). Practicum hours are required in a school setting in the specific content area(s) and in the grade range.

Prerequisite(s): Admission to Teacher Education.

EDUC 5475 Student Teaching/Internship with Seminar 3 Credits (3-0-3)

Teacher candidates will engage in this culminating school-based, content-specific teaching experience at the certification grade level(s) under the supervision of a cooperating teacher and university supervisor. A Georgia pre-service certificate is required prior to registration. Completion of GaPSC mandated GACE and edTPA requirements are required to complete and pass the course.

Prerequisite(s): Admission to Teacher Education.

Educational Studies

ESED 2000 Introduction to Educational Studies 3 credits (3-0-3)

This course introduces the study of education within an interdisciplinary framework both within and outside formal educational settings. The resources, structures, and socio-economic contexts influencing educational opportunities and outcomes in the United States contrasted to other countries are studied. Theories of learning are examined as are competing educational goals and their underlying assumptions regarding social justice and democracy.

ESED 3200	Workforce Education	3 credits	(3-0-3)
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This course will provide students with the opportunity to learn and use a range of work analysis techniques and to apply this information in service to an organization for identifying job standards, designing training programs, and performance support systems, evaluating work performance, and perhaps most importantly improving performance.

ESED 3210	Diversity in Workforce Development	3 credits	(3-0-3)
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This course will enable trainers and managers in business and industry to effectively recognize and understand diversity in work settings. Activities focus on understanding the nature of diverse populations, their unique learning needs, and potential collaborative efforts between workforce educators and work place personnel.

ESED 3220	Training Systems Design	3 credits	(3-0-3)
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Instruction and practice in the selection, organization, and preparation of content for instructional programs in business and technical settings will be studied. A theoretical orientation to instructional design will be coupled with the opportunity to experience the instructional design process as it applies to business and technical settings through the development of instructional materials.

ESED 3300	Foundations in Language and Literacy	3 credits	(3-0-3)
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This course will focus on reading, writing, listening, and speaking. The emphasis will be on creating environments conducive to developing all skills in the four language arts areas using research-based instructional strategies. The course also focuses on differentiating instruction for varying literacy levels.

Prerequisite(s): ESED 2000

ESED 3310	Integrating Language, Literacy, and Technology	3 credits	(3-0-3)
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This course prepares students to infuse technology into language and literacy instruction. Students will develop technology skills and knowledge based on sound pedagogical principles that reflect research and theory in language and literacy acquisition, with a focus on second language acquisition, and the application of practical and theoretical knowledge to instructional situations.

Prerequisite(s): ESED 2000

ESED 3320	Teaching Language and Literacy Skills to Adult Learners	3 credits	(3-0-3)
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This course is designed to provide an understanding of the instructional needs and challenges of adult learners who are learning English or developing literacy skills. A variety of theories, issues, procedures, methods, and approaches for use in bilingual, English as a second language, and adult literary learning environments will be examined and applied.

Prerequisite(s): ESED 2000

ESED 3400	Introduction to International Education	3 credits	(3-0-3)
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This course presents education within a global context and the political, cultural, societal, and economic influences in education. Theories of comparative education and global trends and contemporary practices in international education will be examined.

ESED 3410	Issues in Global and International Education	3 credits	(3-0-3)
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This comparative and international education course will address education policy issues that transcend national boundaries and have implications for educators in fostering social justice and global awareness. The course explores theoretical approaches to understanding the role of education internationally and comparatively in diverse settings.

Prerequisite(s): ESED 2000

ESED 3420	Education and International Development	3 credits	(3-0-3)
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This course examines the debates and issues surrounding international development and the role education plays in that development, including the possibilities of global cooperation as well as the complexity of educational accountability in disparate societies. Educational development, as influenced by increasing access to technology,

Prerequisite(s): ESED 2000

3 credits (3-0-3)

Prerequisite(s): ESED 2000 or BIDS 3000

4 Credits (3-2-4)

Prerequisite(s): MATH 1113

4 Credits (3-2-4)

*Prerequisite(s):*ELET 3101K

4 Credits (3-2-4)

Prerequisite(s): ELET 3101K;

Corequisite: ELET 3111K

4 Credits (3-2-4)

Prerequisite(s): ELET 3201K

4 Credits (3-2-4)

*Prerequisite(s):*ELET 3101K

4 Credits (3-2-4)

Prerequisite(s): ELET 3301K

ELET 3401K

Microcomputer Interfacing

4 Credits (2-2-4)

Prerequisite(s): ELET 3301K

ELET 3411K

Microcontrollers

4 Credits (3-2-4)

Prerequisite(s): ELET 3301K

ELET 3501K

Control Systems

4 Credits (3-2-4)

Prerequisite(s): ELET 3111K and MATH 2111

ELET 3511K

Electrical Machinery

4 Credits (3-2-4)

Prerequisite(s): ELET 3111K

ELET 3701K

Data Acquisition Systems

4 Credits (2-2-4)

Prerequisite(s): ELET 3101K

ELET 4101K

Programmable Logic Controllers

4 Credits (3-2-4)

Prerequisite(s): ELET 3301K

ELET 4401K

Industrial Electronics

4 Credits (3-2-4)

Prerequisite(s): ELET 3211K, 3311K

ELET 4412K

Instrumentation and Measurement

3 Credits (2-2-3)

Prerequisite(s): ELET 3411K

ELET 4611K

Fiber Optics

4 Credits (3-2-4)

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Prerequisite(s): CSCI 3385K

ELET 4612K Industrial Automation and Process Control 3 Credits (2-2-3)

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.

Prerequisite(s): ELET 3302K, ELET 4101K

ELET 4621K Digital Communications 4 Credits (3-2-4)

Sampling, coding, decoding, and digital multiplexing. The course will also cover the networking essential concepts, with emphasis on Microsoft Networking system.

Prerequisite(s): ELET 3311K

English

ENGL 0999 Composition Support I 1 Credit (1-0-1)

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).

ENGL 1101 English Composition I 3 Credits (3-0-3)

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.”

Prerequisite(s): Regular admission or corequisite with ENGL 0999

ENGL 1102 English Composition II 3 Credits (3-0-3)

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(s): ENGL 1101

ENGL 2104 Advanced Composition 3 Credits (3-0-3)

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(s): ENGL 1102

ENGL 2105 Introduction to Literary Criticism 3 Credits (3-0-3)

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(s): ENGL 1102

ENGL 2111 World Literature I 3 Credits (3-0-3)

A survey of important works of world literature from ancient times through the mid-seventeenth century.

Prerequisite(s): ENGL 1102

ENGL 2112 World Literature II 3 Credits (3-0-3)

A survey of important works of world literature from the mid-seventeenth century to the present.

Prerequisite(s): ENGL 1102

- ENGL 2120** **British Literature Survey for Majors** **3 Credits** **(3-0-3)**
 ENGL 2120 is a survey of important works of British literature from the Old English period through the twentieth century. It is intended for English majors and provides a foundation in textual analysis, close reading, the conventions of literary study and terminology.
Prerequisite(s): ENGL 2105 or consent of instructor
- ENGL 2121** **British Literature I** **3 Credits** **(3-0-3)**
 A survey of important works of British literature from the Old English period through the eighteenth century.
Prerequisite(s): ENGL 1102
- ENGL 2122** **British Literature II** **3 Credits** **(3-0-3)**
 A survey of important works of British Literature from the Romantic period to the present.
Prerequisite(s): ENGL 1102
- ENGL 2130** **American Literature Survey for Majors** **3 Credits** **(3-0-3)**
 ENGL 2130 is a survey of important works of American literature from the time of contact with the first European explorers to the present. It is intended for English majors and provides a foundation in textual analysis, close reading, the conventions of literary study and terminology.
Prerequisite(s): ENGL 2105 or consent of instructor
- ENGL 2131** **American Literature I** **3 Credits** **(3-0-3)**
 A study of the main currents of literary thought and expression in America from the colonial period to 1865.
Prerequisite(s): ENGL 1102
- ENGL 2132** **American Literature II** **3 Credits** **(3-0-3)**
 A study of the main currents of literary thought and expression in America from 1865 to the present.
Prerequisite(s): ENGL 1102
- ENGL 2220** **African American Literature Survey for Majors** **3 Credits** **(3-0-3)**
 ENGL 2220 is a survey course designed to introduce and engage English majors and minors in in-depth study of representative works of African American literature, providing a foundation in textual analysis, close reading, the conventions of literary study and terminology.
Prerequisite(s): ENGL 2105 or consent of instructor
- ENGL 2222** **Introduction to African American Literature** **3 Credits** **(3-0-3)**
 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(s): ENGL 1102
- ENGL 2322** **Imaginative Writing** **3 Credits** **(3-0-3)**
 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(s): ENGL 1102.
- ENGL 2521** **Introduction to Film** **3 Credits** **(3-0-3)**
 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(s): ENGL 1102.

Biblical and Apocryphal texts held for their communities, and the strategies by which the texts construct and convey those meanings.

Prerequisite(s): ENGL 2105 or consent of the instructor.

ENGL 3211 African-American Drama 3 Credits (3-0-3)

A survey of African-American drama from the early nineteenth century through the Harlem Renaissance to contemporary theatre, examining its relationships to the oral tradition and to literary, social, and political influences. Includes such writers as James Baldwin, Amiri Baraka, Alice Childress, Pearl Cleage, Langston Hughes, Suzan-Lori Parks, Ntozake Shange, Anna Deavere Smith, August Wilson, and George C. Wolfe.

Prerequisite(s): ENGL 2105 and ENGL 2220 or 2222 and, as a prerequisite or co-requisite, ENGL 3010 or permission of the instructor

ENGL 3212/AFRS 3212 African-American Oral Literature 3 Credits (3-0-3)

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(s): ENGL 2105 and ENGL 2222 or permission of the instructor

ENGL 3216/AFRS 3216 African-American Poetry 3 Credits (3-0-3)

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(s): ENGL 2105 and ENGL 2222 or permission of the instructor

ENGL 3217/AFRS 3217 African-American Fiction 3 Credits (3-0-3)

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(s): ENGL 2105 and ENGL 2220 or 2222 and, as a prerequisite or co-requisite, ENGL 3010 or permission of the instructor

ENGL 3219/AFRS 3219 African-American Nonfiction 3 Credits (3-0-3)

A study of African-American nonfiction including slave narratives, political speeches, cultural essays, memoirs, and other life writing. It may cover such authors as W.E.B. DuBois, Ida B. Wells, Alex Haley, Alice Walker, Barack Obama, Ta-Nehisi Coates, John Edgar Wideman, and others.

Prerequisite(s): ENGL 2105 and ENGL 2220 or 2222 and, as a prerequisite or co-requisite, ENGL 3010 or permission of the instructor

ENGL 3310 American Literature from Contact Period and Colonial Period 3 Credits (3-0-3)

An examination of the development of literature produced in North America from the earliest contact between Native peoples and European explorers to the dawn of the American Revolution.

Prerequisite(s): ENGL 2130 or 2131 and, as a prerequisite or co-requisite, ENGL 3010, or consent of the instructor.

ENGL 3311 American Literature from Revolution to Civil War 3 Credits (3-0-3)

A study of literary works written in the United States by writers active between 1776 and 1861.

Prerequisite(s): ENGL 2130 or 2131 and, as a prerequisite or co-requisite, ENGL 3010, or consent of the instructor.

ENGL 3312 **Realism and Modernism in American Literature** **3 Credits** **(3-0-3)**
Examines significant works in the three major genres of fiction, poetry, and drama from 1860 to 1950 in American literature, especially works exemplary of realism and modernism. Includes writers such as Mark Twain, Willa Cather, Kate Chopin, Gertrude Stein, Wallace Stevens, Langston Hughes, Robert Frost, William Faulkner, John Steinbeck, and Tennessee Williams.

Prerequisite(s): ENGL 2130 or 2132 and, as a prerequisite or co-requisite, ENGL 3010, or consent of the instructor

ENGL 3313 **Postmodern American Literature** **3 Credits** **(3-0-3)**
An examination of significant literary works produced in the US since 1950, with an emphasis on writers who push the boundaries of conventional literary practice.

Prerequisite(s): ENGL 2130 or 2132 and, as a prerequisite or co-requisite, ENGL 3010, or consent of the instructor

ENGL 3321 **Introduction to Language Study** **3 Credits** **(3-0-3)**
A general survey of linguistics, with emphasis on sociolinguistics, the historical development of the English language, and the structure of contemporary English.

Prerequisite(s): ENGL 1102

ENGL 3331 **American Novel** **3 Credits** **(3-0-3)**
A survey of the history and major currents of literary expression in America as represented in the American novel. Intended for English Majors and will provide further practice in textual analysis, close reading, and the conventions of literary study and terminology.

Prerequisite(s): ENGL 2130 or 2132 and, as a prerequisite or co-requisite, ENGL 3010, or consent of the instructor

ENGL 3332 **American Short Story** **3 Credits** **(3-0-3)**
A genre-based survey examining the development and contexts of the short story as a literary form in American Literature. Includes such writers as Edgar Allan Poe, Nathaniel Hawthorne, Willa Cather, Sherwood Anderson, Ernest Hemingway, Eudora Welty, Flannery O'Connor, John Updike, and Tim O'Brien, as well as contemporary authors of short fiction.

Prerequisite(s): ENGL 2130, 2131 or ENGL 2132, and, as a prerequisite or co-requisite, ENGL 3010, or consent of the instructor

ENGL 3335 **American Poetry** **3 Credits** **(3-0-3)**
A study of poetry written in America, with an emphasis on significant themes, techniques, and movements.

Prerequisite(s): ENGL 2130, 2131 or 2132, and, as a prerequisite or co-requisite, ENGL 3010, or consent of the instructor

ENGL 3339 **American Drama** **3 Credits** **(3-0-3)**
A study of the variety and development of drama in America, focusing both on theatre as a mode of national expression and on theatre as a reflection of humanity that readily crosses national boundaries. The course will situate modern and contemporary American drama in relationship to American theatre from the eighteenth century to the present.

Prerequisite(s): ENGL 2130 or 2132, and, as a prerequisite or co-requisite, ENGL 3010, or consent of the instructor

ENGL 3416 **Creative Nonfiction** **3 Credits** **(3-0-3)**
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(s): ENGL 1102

ENGL 3417 Introduction to Creative Writing: Poetry 3 Credits (3-0-3)

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(s): ENGL 1102

ENGL 3418 Introduction to Creative Writing: Fiction 3 Credits (3-0-3)

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(s): ENGL 1102

ENGL 3419 Introduction to Technical Writing 3 Credits (3-0-3)

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(s): ENGL 1102

ENGL 3430 Literary Editing, Publishing, and Marketing 3 Credits (3-0-3)

A course designed to introduce concepts and practices used in producing and marketing literary texts and to provide practical application of the skills needed for successful publishing.

Prerequisite(s): ENGL 1102

ENGL 3515 World Drama 3 Credits (3-0-3)

A survey of important dramatic works from the Americas, Europe, Asia, and Africa.

Prerequisite(s): ENGL 2105

ENGL 3531 World Novel 3 Credits (3-0-3)

A survey of significant novels in World Literature. The course will emphasize discussion of historical, religious, social, and cultural perspectives of the geographic areas and historical periods in which the literature was written.

Prerequisite(s): ENGL 2105 and, as a prerequisite or corequisite, ENGL 3010, or consent of the instructor.

ENGL 3535 World Poetry 3 Credits (3-0-3)

A survey of world poetry in from ancient times through modern. The course will emphasize discussion of historical, religious, social and cultural perspectives of the geographic areas and historical periods in which the literature was written.

Prerequisite(s): ENGL 2105 and, as a prerequisite or co-requisite, ENGL 3010, or consent of the instructor.

ENGL 3538 World Nonfiction 3 Credits (3-0-3)

A study of topics, trends, and hallmarks of contemporary international and multicultural nonfiction writing. The course will emphasize discussion of social and cultural perspectives of the geographic areas and historical periods in which the literature was written.

Prerequisite(s): ENGL 2105 and, as a prerequisite or co-requisite, ENGL 3010, or consent of the instructor

ENGL 3800 Peer Writing Tutor Seminar 3 Credits (3-0-3)

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.

Prerequisite(s): 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 (3-0-3)**
 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(s)*: ENGL 2105
- ENGL 4011** **Shakespeare** **3 Credits (3-0-3)**
 An examination of dramatic and poetic works of William Shakespeare. Students will analyze a number of plays and poems as well as a selection of secondary and critical material.
Prerequisite(s): ENGL 2120 or 2121 and, as a prerequisite or co-requisite, ENGL 3010, or consent of the instructor
- ENGL 4040** **Black British Literature** **3 Credits (3-0-3)**
 A study of the literature produced by Black British writers, chiefly in the years following the major immigration of African Caribbeans to Britain after World War Two, this course will focus consideration on multicultural Britain, the diasporic experience, and modern British politics of race and culture.
Prerequisite(s): ENGL 3010 or consent of the instructor
- ENGL 4041** **The British Novel** **3 Credits (3-0-3)**
 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(s): ENGL 2120 or 2122 and, as a prerequisite or corequisite, ENGL 3010 or consent of the instructor.
- ENGL 4100** **Major Author** **3 Credits (3-0-3)**
 An advanced course that provides an intensive scholarly study of the texts of a single major author (Faulkner, Swift, O'Connor, Chaucer, Morrison, Poe, Dickens, among others) within their literary and cultural contexts. Students will produce a sophisticated piece of researched literary analysis that takes into account the body of criticism on that writer.
Prerequisite(s): ENGL 3010 or consent of the instructor
- ENGL 4105** **Advanced Playwriting** **3 Credits (3-0-3)**
 An examination of techniques and strategies involved in writing works of drama and the application of those strategies by writing and revising original plays.
Prerequisite(s): 3000-level writing course or consent of the instructor
- ENGL 4121** **American Women's Writing** **3 Credits (3-0-3)**
 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.
Prerequisite(s): ENGL 3010 or consent of the instructor
- ENGL 4200** **African Literature** **3 Credits (3-0-3)**
 A selective survey of the literature of continental Africa, from ancient oral epics, tales, and poems to the postcolonial prose fiction, drama, and poetry of the postcolonial decades. Readings will include works by authors such as Leopold Senghor, Chinua Achebe, Wole Soyinka, Ngũgĩ wa Thiong'o, Ayi Kwei Armah, Mariama Ba, Buchi Emecheta and Chimamanda Ngozi Adichie.
Prerequisite(s): ENGL 2105 and ENGL 2220 or 2222 or consent of the instructor
- ENGL 4220** **African-Caribbean Literature** **3 Credits (3-0-3)**

Prerequisite(s): ENGL 2105 and ENGL 2130 or 2132 or permission of the instructor

3 Credits (3-0-3)

Prerequisite(s): ENGL 2104 and ENGL 2105; senior standing or permission of instructor.

1 Credit (1-0-1)

3 Credits (3-0-3)

3 Credits (3-0-3)

4 Credits (3-3-4)

3 Credits (3-0-3)

2 Credits (1-3-2)

3 Credits (3-0-3)

3 Credits (3-0-3)

Prerequisite(s): ENGR 2770 and CSCI 1371

ENGR 2201	Statics for Engineers	3 Credits	(3-0-3)
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3 Credits (3-0-3)

Prerequisite(s): MATH 2111 and PHYS 2211

ENGR 2202	Dynamics of Rigid Bodies	3 Credits	(3-0-3)
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3 Credits (3-0-3)

Prerequisite(s): ENGR 2201 and CSCI 1371

ENGR 2770	Introduction to Engineering Graphics & Visualization	3 Credits	(3-0-3)
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3 Credits (3-0-3)

Prerequisite(s): MATH 1113

ENGR 3001	Mechanics of Deformable Bodies	3 Credits	(3-0-3)
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3 Credits (3-0-3)

Prerequisite(s): ENGR 2201 and MATH 3301

ENGR 3322	Engineering Thermodynamics	3 Credits	(3-0-3)
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3 Credits (3-0-3)

Prerequisite(s):PHYS 2211, MATH 3301, and CSCI 1371

ENGR 3770	Statistics & Applications	3 Credits	(3-0-3)
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3 Credits (3-0-3)

Prerequisite(s): MATH 2111 or MATH 2511

Engineering Technology

ENGT 2101K	Computer Graphics	3 Credits	(3-0-3)
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3 Credits (3-0-3)

Prerequisite(s): MATH 1113

ENGT 2803	Introduction to Renewable Energy Entrepreneurship	3 Credits	(3-0-3)
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3 Credits (3-0-3)

Prerequisite(s): ENGL 1102

ENGT 3101	Statics	3 Credits	(3-0-3)
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3 Credits (3-0-3)

Prerequisite(s): MATH 1113, & (PHYS 1111K or PHYS 2211K)

**ENGT
3190/DATA
3190**

Data Visualization

3 Credits (3-0-3)

An important skill that a data analyst should possess is to communicate practical implications of any data set after performing quantitative analysis of the information. Using technical means and software tools to communicate the information in a non-technical manner will help firms to make meaningful decision. Data visualization requires students to become familiar with technologies in use, streamline the analysis, and highlight implications efficiently using tools such as Python and R.

Prerequisite: MATH 1113 and CSCI 1130 or CISM 1130

ENGT 3301

Quality Control

3 Credits (3-0-3)

A study of statistics, probability, control charts for variables and attributes, and acceptance sampling plans.

Prerequisite(s): MATH 2111

ENGT 3501

Dynamics

2 Credits (2-0-2)

The study of kinematics, the motion and movement of a body in terms of displacement, velocity acceleration and time; and kinetics, the relations between motion of a body and the forces that caused the motion. Topics include rectilinear motion as well as curvilinear motion.

Prerequisite(s): ENGT 3101 or ENGR 2201, and MATH 2101

ENGT 3601

Strength of Materials

3 Credits (3-0-3)

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.

Prerequisite(s): ENGT 3101 or ENGR 2201, and MATH 2111

ENGT 3701

Engineering Economy

3 Credits (3-0-3)

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.

Prerequisite(s): MATH 1113 or permission of the instructor

ENGT 4401

Senior Design/Capstone

3 Credits (3-0-3)

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. (Civil Engineering Technology) or in areas such as Analog/Digital, Communication, Control, Embedded and Power Systems (Electronics Engineering Technology). 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.

Prerequisite(s): CIVT 4211; CIVT 4111K; CIVT 4101K; CIVT 3601K; or CIVT 3401K (Civil Engineering Technology).

Prerequisite(s) : ELET 3411K; ELET 3701K; ELET 3311K; ELET 3211K (Electronics Engineering Technology)

ENGT 4903

Special Topics

1 – 4 Credits (V-0-V)

A discussion of current topics in either Civil Engineering technology, Electronics Engineering technology or Computer Science technology.

Prerequisite(s): Senior standing or as specified by the instructor

Environmental Science

ENVS 1140	Environmental Issues	3 Credits	(3-0-3)
Survey of global environmental issues facing humankind from philosophical, sociological, historical, ecological, and technological perspectives.			
ENVS 2401	Introduction to Environmental Science	3 Credits	(3-0-3)
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.			
<i>Corequisite:</i> ENVS 2401L			
ENVS 2401L	Introduction to Environmental Science Lab	1 Credit	(0-1-1)
Lab taken concurrently with ENVS 2401.			
<i>Corequisite:</i> ENVS 2401			
ENVS 3121	Environmental Ethics	3 Credits	(3-0-3)
The basics in philosophical and ethical thought, especially as related to the development in mankind of a new ecological ethic.			
<i>Prerequisite(s):</i> HUMN 2011, ENVS 2401			
ENVS 3201	Limnology	3 Credits	(3-0-3)
Evolution and morphology of ponds, lakes, and streams; physical and chemical characteristics of inland water, aquatic biota, their taxonomy and ecology.			
<i>Prerequisite(s):</i> ENVS 2401, BIOL 2401, CHEM 1211 and CHEM 1212			
<i>Corequisite:</i> ENVS 3201L			
ENVS 3201L	Limnology Lab	1 Credit	(0-1-1)
Lab taken concurrently with ENVS 3201.			
<i>Corequisite:</i> ENVS 3201			
ENVS 3203	Environmental Chemistry	3 Credits	(3-0-3)
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.			
<i>Prerequisite(s):</i> ENVS 2401, CHEM 1211, and CHEM 1212			
<i>Corequisite:</i> ENVS 3203L			
ENVS 3203L	Environmental Chemistry Lab	1 Credit	(0-1-1)
Lab taken concurrently with ENVS 3203.			
<i>Corequisite:</i> ENVS 3203			
ENVS 3205	Environmental Microbiology	3 Credits	(3-0-3)
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.			
<i>Prerequisite(s):</i> BIOL 1107, BIOL 1108			
<i>Corequisite:</i> ENVS 3205L			
ENVS 3205L	Environmental Microbiology Lab	1 Credit	(0-1-1)
Lab taken concurrently with ENVS 3205.			
<i>Corequisite:</i> ENVS 3205			
ENVS 3301	Environmental Radiation	3 Credits	(3-0-3)
Atomic structure, nuclear radiation, radioactive decay, interaction of charged particles and electron with matter, methods of radiation detection, radiation dosimetry and, radiation protection.			
<i>Prerequisite(s):</i> CHEM 1211, CHEM 1212, and PHYS 1111K			

ENVS 3301L	Environmental Radiation Lab	1 Credit	(0-1-1)
Lab taken concurrently with ENVS 3301.			
<i>Corequisite:</i> ENVS 3301			

ENVS 4101	Contaminant Hydrology	3 Credits	(3-0-3)
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			
<i>Prerequisite(s)</i> : MATH 1113, and MATH 2101			
<i>Corequisite</i> : ENVS 4101L			

ENVS 4121	Environmental Law	3 Credits	(3-0-3)
Overview of the historic development and evolution of legal principles, the legal processes relating to resource conservation, environmental regulations and statutory laws.			
<i>Prerequisite(s)</i> : ENVS 2401 and ENVS 3121			

ENVS 4301	Solid and Hazardous Waste Management	3 Credits	(3-0-3)
<p>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.</p> <p><i>Prerequisite(s)</i>: ENVS 3203 and CHEM 2501</p>			

ENVS 4801	Internship	2 Credits	(2-0-2)
Supervised training, apprenticeship, and experience with an appropriate agency, written internship report, and report presentation.			
<i>Prerequisite(s)</i> : Senior Standing			

ENVS 4901	Environmental Synthesis Seminar	1 Credit	(1-0-1)
Most updated environmental literature search, research methodology, synthesis, manuscript preparation, and seminar presentation.			
<i>Prerequisite(s)</i> : Senior Standing			

ENVS 4910**Special Topics****3 Credits (3-0-3)**

In depth discussion and review of most critical environmental issues, toxic chemicals, soil, water and air pollution, and new remedial methodologies.

Prerequisite(s): Senior standing

Engineering Technology Education

ETED 2201 Literacy and Technical Writing in Engineering and Technology**Education****2 Credits (2-0-2)**

This course explores 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 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 and technical writing in the engineering and technology education areas are also addressed.

ETED 2500 Introduction to Engineering and Technology Education**3 Credits (3-0-3)**

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 (3-0-3)**

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.

Prerequisite(s): ETED 2500

ETED 3211 Connections in P-12 Engineering Technology Education**3 Credits (3-0-3)**

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.

Prerequisite(s): Admission to Teacher Education

ETED 3301 Electrical Power and Energy Systems**3 Credits (3-0-3)**

This course is an introductory course in the field of electric power systems and electrical to mechanical energy conversion.

ESED 3302 Hydraulic and Pneumatic Systems in Technology Education**3 credits (3-0-3)**

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 3303 Construction Systems**3 Credits (3-0-3)**

This course offers an introduction to the history, theory, and construction of basic structural systems as well as an introduction to analysis of individual structural elements and strategies for load carrying.

3 Credits (3-0-3)

This course introduces transportation as a large-scale, integrated system that interacts directly with the social, political, and economic aspects of contemporary society, system performance and level-of-service metrics, and the design of transportation services and facilities for various modes and intermodal operations.

3 Credits (3-0-3)

This course is an introduction to manufacturing; Fundamental properties of materials including metals, polymers, ceramics and composites; Forming and shaping processes, such as rolling, forging, extrusion, drawing, sheet metal forming; Fundamentals of machining, machining processes, machine tool materials; and joining processes.

1-13 Credits (V-0-V)

This course focuses on topics in education or topics in the major content area of education.

3 Credits (3-0-3)

Education

This course is an examination of the philosophy, mission, vision, goals, and research recommended by ISTE, content standards, and teaching methods for Engineering Technology Education in multicultural and diverse classroom of today. This course is designed to give engineering technology education students' specialty and professional knowledge in the area of integrating technology into school curricula. Research-based teaching strategies, instructional design, assessment, and lab management are examined and best practices are applied. Three-portfolio is required for all education courses.

Prerequisite(s): Admission to Teacher Education

ETED 4417	Practicum in Teaching P-12 Engineering Technology Education	3 Credits	(3-0-3)
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This course is designed to provide teacher candidates with experience in a supervised school setting where they show active involvement with mentor teacher in creating and teaching lessons, grading papers, or any other classroom work. Students will learn how to implement meaningful and engaging instruction for secondary students in engineering technology; developing critical thinking, problem solving, literacy, and democratic character; assessing learner performance. Verification of professional liability insurance and clear criminal background check are required prior to receiving a school placement. The e-portfolio is required for all education courses. There are 120 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.

Prerequisite(s) Admission to Teacher Education *Corequisite:* ETED 4416

Financial Technology

3 Credits (3-0-3)

The financial services industries are changing rapidly with the emergence of financial technology (FinTech). The objective of the course is to provide students with an overview of FinTech and introductions to its applications in financial services, such as commercial and investment banking, digital investing, financial advising, and insurance. Students are expected to develop a broad understanding of the recent FinTech development and its impact on different parts of the financial world. Students will also have hands-on problem-solving experiences that can be useful in FinTech applications and innovation. Topics may include but are not limited to: blockchain and cryptocurrencies, smart contracting, payments, digital banking, P2P lending, crowdfunding, robo-advising, and InsurTech.

3 Credits (3-0-3)

This course examines the information and communications tools, technologies, and standards integral to consumer, merchant, and enterprise services in the payments and financial service sectors. Explores technology's role in reshaping FinTech businesses. Technologies span messaging, communication networks and gateways, core processing, mobile and online software, and application program interfaces (APIs). Includes the challenges, standards, and techniques associated with securing systems and data.

3 Credits (3-0-3)

The FinTech revolution is creating significant disruption to the traditional processes of managing and regulating financial institutions, especially banks. Understanding, assessing and forecasting FinTech's impact on banking is particularly important because proper management and oversight of financial institutions is essential to the efficient operation of the national, as well as global, economy. In this course, students will learn about the principles and practices of commercial bank management, bank regulation, and the tradeoffs between risk and return. Challenges presented by the FinTech evolution, including traditional and emergent competitors as well as demographic, social, and technology forces driving change in the industry, will be integrated through the entire course.

3 Credits (3-0-3)

This course provides the foundation for financial data used in business and FinTech applications. The objective of this course is for the students to gain experience in analyzing financial data using modern machine learning techniques, statistical methods, and prediction models. Students will develop computational skills to perform data analysis using modern statistical programming environments and apply these skills to address a range of problems encountered by business firms including those in FinTech industry. The topics discussed include an introduction to R language, visualization of financial data, cluster analysis, simple and multiple linear regression, classification models, high dimension data analysis using Lasso, tree regression, and model assessment and selection using cross validation. Students will have hands on experience in the development of data analytics applications to analyze real world financial problems.

3 Credits (3-0-3)

The purpose of this course is to introduce the student to the rapidly evolving and critical international arenas of privacy, information security, and critical infrastructure for FinTech. This course is designed to develop knowledge and skills for security of information and information systems within FinTech organizations. It focuses on concepts and methods associated with security across several systems platforms, including internal and internet-basing systems. The course utilizes a world view to examine critical infrastructure concepts as well as techniques for assessing risk associated with accidental and internal breaches of security in a FinTech network. It introduces associated issues of ethical uses of information and privacy considerations.

Finance

3 Credits (3-0-3)

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.

Prerequisite(s): ECON 2105, ECON 2106, ACCT 2101, ACCT 2102 and BUSA 2182; Junior standing or 42 hour rule

3 Credits (3-0-3)

The study of asset pricing, capital budgeting, capital management, growth through mergers, and leasing. Emphasis is on the development of problem-solving capabilities.

Prerequisite(s): FINC 3155

3 Credits (3-0-3)

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(s): FINC 3155

3 Credits (3-0-3)

Prerequisite(s): FINC 3155

3 Credits (3-0-3)

Prerequisite(s): FINC 3155

3 Credits (3-0-3)

Prerequisite(s): FINC 3156

3 Credits (3-0-3)

Prerequisite(s): FINC 3155

3 Credits (3-0-3)

Prerequisite(s): FINC 4155

Fine Arts

1 Credit (1-0-1)

The First Year Experience is designed to assist first year students in their adjustment and assimilation into the university environment. Students will be introduced to a series of individual and group experiences that will enhance self-motivation, identify learning styles and habits, develop academic mindset, and adopt study skills for college success. This course will also address the interdisciplinary nature of the visual and performing arts through a cooperative hands-on immersion into real time arts production. Students will be introduced to craft, design, and theory crucial to their own arts endeavors. Significant artist and movements will be surveyed and critiqued in order to gain a better understanding of the context of their own art making. Students will receive guidance on how to create exhibitions/recitals/performance with an entrepreneurial approach to production.

3 Credits (3-0-3)

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.

3 Credits (3-0-3)

This class will introduce students to a range of vocal and physical techniques for creative expression in performance, performance art, and all kinds of spoken human communication. Through a series of exercises,

trainings, and performances, students will have the opportunity to reduce habitual tensions, connect the voice and body, and increase the strength, flexibility, and dynamic of their presentations. Speech skills including an introduction to the International Phonetic Alphabet will also be developed. The class will cover techniques drawn from a wide variety of voice and movement pedagogies.

3 Credits (3-0-3)

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.

3 Credits (3-0-3)

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.

3 Credits (3-0-3)

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 tax law, 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.

3 Credits (3-0-3)

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(s): approval required and successful completion (C average or better) of 30 credit hours within the student's chosen concentration

3 Credits (3-0-3)

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(s): varies with topic

3 Credits (3-0-3)

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.

Prerequisite(s): Approval required. Successful completion (C average or better) of 45 credit hours within the student's chosen concentration.

Forensic Science

3 Credits (3-0-3)

Prerequisite(s): Reading 0099 and Math 0099

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.

Principles of criminal law and procedure, preparation and presentation of evidence; examination of witnesses, and methods of legal research. Emphasis will be placed on court opinions defining the rules of search and seizure and advisability of evidence.

*Prerequisite(s):*CHEM 1211 or FSCI1101

Lab to supplement FSCI 3301.

Prerequisite(s): FSCI 3301

Prerequisite(s): CHEM 2511, BIOL 1108 and FSCI 3301

Prerequisite(s): CHEM 2511L and BIOL 1108L

Prerequisite(s): CHEM 2511, BIOL 1108 and FSCI 3301

Prerequisite(s): CHEM 2511L and BIOL 1108L

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

Prerequisite(s): FSCI 3301 and FSCI 3301L and CHEM 2511 and CHEM 2511L and BIOL 1108 and BIOL 1108L

2 Credits (2-0-2)

Prerequisite(s): Senior standing and FSCI 3301

2 Credits (2-0-2)

Prerequisite(s): Senior standing and FSCI 4401

3 Credits (3-0-3)

Prerequisite(s): FSCI 3201 or permission from the instructor

3 Credits (3-0-3)

3 Credits (3-0-3)

Prerequisite: FSCI 4601K

1 Credit (1-0-1)

Prerequisite(s): FSCI 3301 and junior standing

3 Credits (3-0-3)

3 Credits (3-0-3)

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Prerequisite(s):FREN 1001

FREN 2001 **Intermediate French I** **3 Credits** **(3-0-3)**
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(s):FREN 1002 or two years of high school French

FREN 2002 **Intermediate French II** **3 Credits** **(3-0-3)**
A continuation of FREN 200I.Intensive review in writing, speaking, and reading.
Prerequisite(s):FREN 2001

FREN 3101 **Advanced Conversation & Composition** **3 Credits** **(3-0-3)**
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(s): FREN 2002.

FREN 3201 **French Civilization** **3 Credits** **(3-0-3)**
Acquaintance of the student with major contributions of France to Western civilization. The notion of Francophones will also be studied.
Prerequisite(s):FREN 3101

FREN 3203 **Survey of French Literature** **3 Credits** **(3-0-3)**
Diachronic study of French literature from the middle ages to modern times, with emphasis on major authors and/or works.
Prerequisite(s):FREN 3101

FREN 3401 **Introduction of Business French** **3 Credits** **(3-0-3)**
Basic notions of management, market studies, insurance, corporate laws, export-import, telecommunications and commercial correspondence will be introduced.
Prerequisite(s):FREN 3101

FREN 3402 **Intermediate Business French** **3 Credits** **(3-0-3)**
Same emphasis as FREN 3401 in addition to the usage of French Minitel through the Internet.
Prerequisite(s):FREN 3401

FREN 4100 **Survey of African & Caribbean Francophone Literature** **3 Credits** **(3-0-3)**
Study of selected writings in prose, poetry, and drama by major French-speaking African, North African, and Caribbean writers.
Prerequisite(s):FREN 3101

Geography

GEOG 1101 **Introduction to Human Geography** **3 Credits** **(3-0-3)**
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** **(3-0-3)**
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 (3-0-3)

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(s): CSCI 1130 or equivalent

GEOG 3621 Population Geography 3 Credits (3-0-3)

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 (3-0-3)

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".

Global Logistics and International Business

GLIB 2109 Introduction to Global Logistics, Transportation and International Business 3 Credits (3-0-3)

This course will cover introduction to concepts in supply chain, logistics, transportation, culture, political and legal institution, and economic situation. The concepts will be learned from a global perspective, primary focus will be on emerging economies and comparing with United States.

GLIB 3190 Purchasing and Procurement for Global Supply Chain 3 Credits (3-0-3)

This course introduces students to key concepts in purchasing and procurement practices in supply chain management. Additionally, the course also helps in developing an understanding of the strategic importance of sourcing in improving a firm's competitive position. Challenges in managing the relationships among businesses involved in the process of buying and selling products and services are explored. *Prerequisite(s):* MGNT 3165 (or) GLIB 2109 (or) CVIT 2109 with a grade of "C" or better.

GLIB 3196 Supply Chain Analytics 3 Credits (3-0-3)

Supply chains are complex networks that involve supplier's supplier to buyer's buyer, typically involving varying organizations and businesses with conflicting goals and objectives. Researchers and practitioners have used varying analytical and modelling techniques to better design and manage supply/chains. Use of data to make effective decisions in supply chain is at the heart of this course. This course introduces the important tools and methods that you will encounter in your study and practice of supply chains. The focus of the course will be on the application of these methods, not necessarily the concepts.

Prerequisite(s): BUSA 2185 and MGNT 3165

GLIB 3197 Global Business Logistics 3 Credits (3-0-3)

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.

*Prerequisite(s):*MGNT 3165

GLIB 4190 International Transportation and Carrier Management 3 Credits (3-0-3)

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.

*Prerequisite(s):*MGNT 3165

GLIB 4192 International Strategic Management 3 Credits (3-0-3)

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 Course 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.

*Prerequisite(s):*MGNT 3165, and MKTG 3175

GLIB 4194 International Trade: Theory and Policy 3 Credits (3-0-3)

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.

*Prerequisite(s):*MGNT 3165, and MKTG 3175

GLIB 4196 Continuous Improvement and Six Sigma 3 Credits (3-0-3)

Broad coverage of managerial and statistical aspects of quality control, including quality assurance, quality management, and continuous improvement. Topic coverage includes problem-solving tools, process capability/assessment, control charts for variables, control charts for attributes and advanced control chart methods. The course will primarily look at four aspects: (i) the foundation principles of quality management; (ii) tools and techniques to drive and support design, control, and improvement of quality; (iii) application of structured problem-solving methods and tools to improve quality and Analyze and quantify data that enable process improvements and execute the Six Sigma methodology; (iv) an organizational view of performance excellence as reflected by the Malcolm Baldrige Criteria.

*Prerequisite(s):*BUSA 2182 and MGNT 3165

Health Education

HEDU 1101 Concepts in Healthful Living 2 Credits (2-0-2)

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 1111 Physical Fitness for Life 2 Credits (2-0-2)

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 (3-0-3)

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 (3-0-3)

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 (3-0-3)

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 (3-0-3)

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 (3-0-3)

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 (1-0-1)

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 (1-0-1)

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 (2-0-2)

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 (2-0-2)

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	(1-0-1)
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	(1-0-1)
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	(1-0-1)
Course designed to teach the fundamentals of modern dance that contribute to wellness.			

HEDU 1520	Group Fitness	1 Credit	(1-0-1)
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	(1-0-1)
A beginning course in swimming. Students learn basic techniques and drown-proofing skills.			

HEDU 1611	Swimming II	1 Credit	(1-0-1)
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	(1-0-1)
A water aerobics class that focuses on all the components of physical fitness.			

HEDU 1701	Fitness Walking	1 Credit	(1-0-1)
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.			

HEDU 2101	Structural Kinesiology	3 Credit	(3-0-3)
This course surveys biological systems and physical principles as applied to human movement. Emphasis is placed on the study of bones and joints and how they are involved in the science of movement. Students will be able to examine the places of motion and their respective axes of rotation. Engaging in the learning activities associated in this course will assist students in clarifying the principles of anatomy with emphasis on human movement.			

HEDU 2301	Lifespan Development	3 Credit	(3-0-3)
This course will investigate human development throughout the lifespan as influenced by family, society and the nature of development. Emphasis is placed on the physical, intellectual, and psycho-social development process. Students will be able to examine the nature of development and how their experiences will influence development through the remainder of their life. Engaging in the learning activities associated with the course will assist students in assessing and clarifying a lifespan perspective on development.			

HEDU 2201	Nutrition Concepts	3 Credit	(3-0-3)
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This course will identify the basic principles of nutrition and their application to health and wellness. Students will investigate the interrelationship between personal nutrition and health maintenance through the life cycle. Emphasis is placed on diet and disease through the lifespan.

History

HIST 1111 Survey of World History to Early Modern Times 3 Credits (3-0-3)
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 (3-0-3)
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 (3-0-3)
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 (3-0-3)
A survey of African-American and American History from the Civil War to the present.

HIST 2301 History of American Military Affairs 3 Credits (3-0-3)
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 (3-0-3)
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.
Prerequisite(s): HIST 2111 and HIST 2112

HIST 3207 Georgia History 2 Credits (2-0-2)
A survey of the history of Georgia from pre-colonial times to present.

HIST 3301/AFRS 3301 African-American History Before 1900 3 Credits (3-0-3)
A survey of the history of African-Americans beginning with the African background to 1900 with an overview of the twentieth century.

HIST 3312 The African-American in the 20th Century 3 Credits (3-0-3)
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 (3-0-3)
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 (3-0-3)
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 (3-0-3)
An examination of cultures and institutions of colonial America before 1776.

HIST 3502	American Revolution & New Nation	3 Credits	(3-0-3)
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	(3-0-3)
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	(3-0-3)
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	(3-0-3)
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	(3-0-3)
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	(V-0-V)
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	(V-0-V)
Directed readings and other activities related to particular topic in the discipline.			
HIST 4301	History of African-American Thought	3 Credits	(3-0-3)
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.			
HIST 4411	History of Modern Britain	3 Credits	(3-0-3)
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	(3-0-3)
An appraisal of the social, political, economic, and intellectual development of Latin America since independence with emphasis on the 20th Century.			
HIST 4701	African History Before 1800	3 Credits	(3-0-3)
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 4702	African History Since 1800	3 Credits	(3-0-3)
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	(3-0-3)

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** **(3-0-3)**
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** **(3-0-3)**
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** **(3-0-3)**
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** **(3-0-3)**
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(s): or *Corequisite:* HSEM 2101

HSEM 3120 **Law & Ethics in HSEM** **3 Credits** **(3-0-3)**
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(s): HSEM 2101

HSEM 3122 **International Humanitarian Law** **3 Credits** **(3-0-3)**
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** **(3-0-3)**
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(s): or *Corequisite:* HSEM 3250

HSEM 3140 **Diversity Issues in HSEM** **3 Credits** **(3-0-3)**

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(s): or *Corequisite:* HSEM 3250

HSEM 3250 Risk & Vulnerability Assessment 3 Credits (3-0-3)

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(s): or *Corequisite:* HSEM 2101

HSEM 3260 Terrorism in the Modern World 3 Credits (3-0-3)

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 (3-0-3)

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(s): HSEM 3110

HSEM 3400 Public Health Issues in HSEM 3 Credits (3-0-3)

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 Introduction to Geographic Information System 3 Credits (3-0-3)

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 3702 Critical Infrastructure Protection 3 Credits (3-0-3)

Applied skills in Geographic Information Systems (GIS) are required for many entry-level careers in public and private sector emergency management, planning, engineering, public health, community development and natural-resource management. This course is an introduction to Geographic Information Systems (GIS) for undergraduate students. This course has three objectives: (1) to familiarize students with the application of GIS software and provide experience working with common sources of spatial data and analysis techniques. (2) To produce intelligent consumers of spatial information – to recognize the perils of misrepresenting spatial data and the real-world implications of bad maps. (3) To prepare students for a job market that demands GIS skills and spatial literacy.

HSEM 3822 Tools for Decision-making in HSEM 3 Credits (3-0-3)

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(s): HSEM 3250

HSEM 3840 Effective HSEM Communication & Leadership 3 Credits (3-0-3)

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(s): or Corequisite: HSEM3250

HSEM 3901

HSEM Internship

3 Credits (3-0-3)

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(s): 75 credit hours or permission of instructor

HSEM 4000

Independent Study

3 Credits (3-0-3)

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 4605

Special Topics

3 Credits (3-0-3)

Special Topics in Homeland Security and Emergency Management

HSEM 4901

Senior Capstone Seminar

3 Credits (3-0-3)

A capstone course examining the 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 (3-0-3)

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 (3-0-3)

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(s): ENGL 1102 or ENG 109

Honors

HONS 2101

Sophomore Honors Seminar

3 Credits (3-0-3)

This special topics seminar integrates advanced independent reading and interdisciplinary research with emphasis on advanced planning and problem-solving skills. This course includes a service-learning component with community partners that reflect the special topic of the course. Students will present their independent research results in oral written forms at the conclusion of the course.

HONS 3101

Junior Honors Seminar

3 Credits (3-0-3)

This seminar integrates junior honors and degree curriculum with independent reading and research. Students will present their research in oral and written form in the final weeks of the course in preparation for their capstone

project during their senior year. Course work includes intensive reading, research and writing peer reviews, and critical inquiry across academic disciplines.

This course is designed as a capstone for majors in the honors program. Students will combine their acquired knowledge to produce a piece of original research. Students will apply theory, scientific methods (qualitative or quantitative skills) in conducting and defending their Honors thesis. This course is meant to enhance the research or capstone projects required in the major rather than add an additional research requirement. Students without a capstone requirement in the major will be expected to complete an original research project. In addition to the Honors thesis, students will also begin to prepare for their lives after graduation, be it graduate school or a job.

Industrial Technology Management

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.

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.

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

Nature, physical properties, structure and evolution of the physical universe, nuclear energy and the atom, cosmology, the nature of energy and its conservation.

The physical earth, biological evolution, ecological processes, and human development. Note: This is a 4-credit physical science course with laboratory.

Library Services

This course is applicable to students majoring in any course of study and anyone who wishes to learn how to use information effectively. Using 125-year of Savannah State University history as a framework for hands-on research, this course will provide the critical thinking and computer searching strategies necessary for lifelong – academic, daily, and life after college—learning. Instruction in the organization, access, evaluation, and use of information resources and traditional library research techniques will be covered.

Management

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(s): Junior standing or 42 hour rule

MGNT 3185	Operations Management	3 Credits	(3-0-3)
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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.

MGNT 3196	Entrepreneurship and Small Business Management	3 Credits	(3-0-3)
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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(s):*MGNT 3165

MGNT 3300	Organizational Behavior & Theory	3 Credits	(3-0-3)
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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(s):*MGNT 3165

MGNT 4110	Leadership in Organizations	3 Credits	(3-0-3)
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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(s):*MGNT 3165

MGNT 4165	Human Resource Management	3 Credits	(3-0-3)
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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(s):*MGNT 3165

MGNT 4168	International Business Management	3 Credits	(3-0-3)
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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(s):*MGNT 3165

MGNT 4170	Staffing, Training, and Development	3 Credits	(3-0-3)
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*Prerequisite(s):*MGNT 4165

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.

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.

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.

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.

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.

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.

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Prerequisite(s): MKTG 3175

3 Credits (3-0-3)

Prerequisite(s): MKTG 3175 and CISM 2130

3 Credits (3-0-3)

Prerequisite(s): MKTG 3175

3 Credits (3-0-3)

*Prerequisite(s):*BUSA 2182 and MKTG 3175

3 Credits (3-0-3)

Prerequisite(s):MKTG 3175

3 Credits (3-0-3)

Prerequisite(s): MKTG 3175

3 Credits (3-0-3)

Prerequisite(s): MGNT 3165 and MKTG 3175

3 Credits (3-0-3)

Prerequisite(s): MKTG 3175 and nine (9) hours of additional marketing courses

Mathematics Education

3 Credits (3-0-3)

This course explores methods for teaching secondary students to read, write, think, and learn in ways that allow mastery of subject matter and meaningful application. Teacher candidates plan lessons and activities that teach content and promote literacy. Pre-, during, and post-reading strategies are explored with varied assessments that provide students with a continual view of literacy progress and achievement. Classroom adaptations for culturally and linguistically diverse population in the content areas are also addressed.

MAED 3002	Connections in Secondary Mathematics	3 Credits	(3-0-3)
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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.

Prerequisite(s): Admission to Teacher Education Program.

MAED 4000	Special Topics	1-13 Credits	(V-0-V)
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This course focuses on topics in education or topics in the major content area of education.

MAED 4416	Teaching and Standards in Secondary Mathematics Education	3 Credits	(3-0-3)
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This 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. The e-portfolio is required for all education courses.

Prerequisite(s): Admission to Teacher Education, and completion of all 3000 level education courses. This course must be taken concurrently with MAED 4417.

MAED 4417	Practicum in Teaching Secondary School Mathematics	3 Credits	(3-0-3)
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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 120 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(s): Admission to Teacher Education and completion of all 3000 level education courses. This course must be taken concurrently with MAED 4416.

Mathematics

Math 0997	Support for Quantitative Reasoning	2 Credits	(2-0-2)
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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 Credits	(2-0-2)
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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).

MATH 1001 **Quantitative Reasoning** **3 Credits (3-0-3)**
This course is an alternative in Area A of the Core Curriculum and is not intended to supply sufficient algebraic background for students who intend to take Pre-Calculus or the calculus sequences for mathematics and science majors. This course places quantitative skills and reasoning in the context of experiences that students will be likely to encounter. It emphasizes processing information in context from a variety of representations, understanding of both the information and the processing, and understanding which conclusions can be reasonably determined.

MATH 1111 **College Algebra** **3 Credits (3-0-3)**
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 **Pre-Calculus** **3 Credits (3-0-3)**
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(s): MATH 1111 or a minimum score of 500 on the SAT or equivalent ACT score

MATH 2101 **Calculus I** **4 Credits (4-0-4)**
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(s): MATH 1113

MATH 2111 **Calculus II** **4 Credits (4-0-4)**
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(s): MATH 2101

MATH 2121 **Calculus III** **4 Credits (4-0-4)**
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(s):* MATH 2111

MATH 1401 **Elementary Statistics** **3 Credits (3-0-3)**
This is a non-calculus based introduction to statistics. Course content includes descriptive statistics, probability theory, confidence intervals, hypothesis testing, and other selected statistical topics. *Prerequisite(s):* MATH 1111 or MATH 1001

MATH 2301 **Introduction to Discrete Math** **3 Credits (3-0-3)**
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(s): MATH 2101

MATH 3000 **Introduction to Bio-Statistics** **3 Credits (3-0-3)**
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 Bio-statistics 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(s):*MATH 1113

MATH 3101	Linear Algebra	3 Credits	(3-0-3)
<p>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.</p>			

*Prerequisite(s):*MATH 2111

MATH 3115/DATA 3115	Mathematical Data Analytics	3 Credits	(3-0-3)
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The objective of this course is to provide conceptual as well as hands-on experience of working with big data set with the aid of structured programmatic skills to develop a scientific approach towards mathematical data analytics. An introduction to predictive analytics will be followed by demonstrating its applications on imported data to discover meaningful patterns and trends. Various statistical (machine) learning techniques will be introduced and their advantages/disadvantages in supporting a selected data-driven learning system will be discussed.

Prerequisite(s):(CISM/DATA 3109 and CISM/DATA 3111) or (BUSA 2182 and MATH/DATA 3000)

MATH 3201	Probability & Statistics I	3 Credits	(3-0-3)
<p>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.</p>			

*Prerequisite(s):*MATH 2111

MATH 3211	Foundations of Higher Mathematics	3 Credits	(3-0-3)
<p>Topics include sets, propositional calculus, truth tables, predicate calculus, universal and existential quantifiers, proofs about sets, basic methods of proof, mathematical induction, relations and functions, and cardinality.</p>			

*Prerequisite(s):*MATH 2121

MATH 3301	Differential Equations	3 Credits	(3-0-3)
<p>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.</p>			

*Prerequisite(s):*MATH 2121

MATH 3311	Mathematical Finance and Interest Theory	3 Credits	(3-0-3)
<p>A course on the formulation, analysis, and interpretation of advanced mathematical models in finance and interest theory. Computers and technology will be used to give students a hands-on experience in developing and solving their own models. Applications to "real-world" problems in interest theory, including the development of complex annuity models, will be emphasized. The course will cover the fundamentals needed for the second actuarial exam. The primary focus will be on the financial models developed in Kellison and Ruckman.</p>			

*Prerequisite(s):*MATH 2111

MATH 3401	Modern Geometry	4 Credits	(4-0-4)
<p>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.</p>			

*Prerequisite(s):*MATH 2121

MATH 3501	Numerical Analysis	3 Credits	(3-0-3)
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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. *Prerequisite(s)*:MATH 2111

MATH 3602 **Linear & Discrete Mathematics** **3 Credits (3-0-3)**
Basics of sequences and rates of growth, counting methods, graph theory and graph algorithms, linear algebra, linear programming, and combinatorial optimization.
Prerequisite(s):MATH 2121

MATH 4101 **Abstract Algebra I** **4 Credits (4-0-4)**
Introductions to groups, subgroups, homomorphism's, isomorphism's, cyclic groups, permutation groups, direct products, Abelian groups, and Sylow's theorem.
Prerequisite(s):MATH 3211

MATH 4111 **Abstract Algebra II** **3 Credits (3-0-3)**
A course exploring the theory of rings, fields, integral domains, and vector spaces.
Prerequisite(s):MATH 4101

MATH 4201 **Analysis I** **3 Credits (3-0-3)**
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.
Prerequisite(s):MATH 3211

MATH 4211 **Analysis II** **3 Credits (3-0-3)**
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(s):MATH 4201

MATH 4221 **Complex Analysis** **3 Credits (3-0-3)**
Topics include complex numbers, elementary functions, analytic functions, complex integration, Laurant and Taylor series, residues, conformal mapping, and applications.
Prerequisite(s):MATH 2121

MATH 4301 **Survey of Partial Differential Equations** **3 Credits (3-0-3)**
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.
Prerequisite(s):MATH 2121 and MATH 3301

MATH 4311 **Probability & Statistics II** **3 Credits (3-0-3)**
Topics include sampling theory, statistical inferences, estimation and tests of hypotheses, multivariate distribution, transformation of random variables, conditional and marginal distributions, and Bayesian estimation.
Prerequisite(s):MATH 3201

MATH 4401 **Number Theory** **3 Credits (3-0-3)**
Topics include the theory of mathematical induction, divisibility theory in the integers, prime numbers and their distribution, the theory of congruence and modular arithmetic, Fermat's theorem, and number theoretic functions.
Prerequisite(s):MATH 3211

MATH 4411 **Statistical Methods** **3 Credits (3-0-3)**
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(s):MATH 3201

MATH 4421	Regression Analysis	3 Credits	(3-0-3)
Topics include matrix algebra, simple linear regression, residual analysis techniques, multiple regression, nonlinear regression, dummy variables, and influence statistics. <i>Prerequisite(s)</i> : MATH 3101 or MATH 4311			
MATH 4501	Introduction to Topology	3 Credits	(3-0-3)
Topics include fundamental concepts of topology: set theory, the real number line, continuity, compactness, connectedness, separations axioms, the axioms of choice, and metric spaces. <i>Prerequisite(s)</i> : MATH 3211			
MATH 4601	Mathematical Research	3 Credits	(3-0-3)
A course designed for students who wish to participate in mathematics seminars and independent research. Credit varies from 1 to 3 hours. <i>Prerequisite(s)</i> : Junior or senior standing			
MATH 4701	History of Mathematics	3 Credits	(3-0-3)
The origin and development of mathematical ideas, beginning with geometry and algebra and continuing through selected topics in modern mathematics. <i>Prerequisite(s)</i> : MATH 2111			
MATH 4901	Senior Seminar	1-3 Credits	(V-0-V)
A course to develop students' use of mathematical skills and a chance to explore a mathematical concept in-depth. <i>Prerequisite(s)</i> : Junior Standing			
MATH 4902	Senior Research/Internship	3 Credits	(3-0-3)
A course to develop students' use of mathematical skills and a chance to explore a mathematical concept in-depth. <i>Prerequisite(s)</i> : Junior Standing			
MATH 4904	Special Topics	1-3 Credits	(V-0-V)
A discussion of current topics in mathematics. <i>Prerequisite(s)</i> : Senior standing or as specified by the instructor			

Mechanical Engineering

MECT 3001K	Computer Solid Modeling	3 Credits	(2-2-3)
An introduction to the techniques of 3D modelling utilizing software widely used in industry environment. Topics include creation and editing of 3D geometric shapes, 3D printing, and structural and flow simulations. <i>Prerequisite(s)</i> : ENGT 2101K			
MECT 3101K	Engineering Materials	3 Credits	(2-2-3)
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. <i>Prerequisite(s)</i> : CHEM 1211, 1211L			
MECT 3201K	Manufacturing Processes	3 Credits	(2-2-3)
A survey of the manufacturing processes and tools commonly used to convert raw materials in to finished products. The course includes basic casting and forming process; the basic mechanisms of material removal; measurement; assembly processes.			
MECT 3301K	Fluid Mechanics	4 Credits	(3-2-4)
A study of hydrostatics, viscosity, dimensional constraints and fluid flow in pipes.			
MECT 3411	Thermodynamics	4 Credits	(4-0-4)

*Prerequisite(s):*PHYS 1111K

4 Credits (4-0-4)

A study in the design of machines, and machine elements. The course focuses on power transmissions in machines including gears, belts, pulleys, bearings, lubrication, clutches, brakes, chains, power screws, and gear trains. Stress calculations and material selection are discussed. Students will work in design teams on various design projects.

Prerequisite(s): ENGT 3601

3 Credits (2-2-3)

This course will provide instruction in the basic principle and application of robotics in practice. With a focus on industrial robotic applications, this course will include: basic robotic principles, power supplies, motion control, sensors, grippers, control systems, robotic vision and maintenance.

Prerequisite(s): CSCI 1301 or CSCI 1371

3 Credits (2-2-3)

This course will provide an introduction to mechatronics concepts and their applications in engineering practice. The fundamentals to understand mechatronics systems including, electrical circuits, semiconductor electronics devices, digital circuits, sensors, actuators, etc. will be covered. Students will work on hands-on projects, both individually and in groups.

Prerequisite(s): ELET 3101K; CSCI 1301 or CSCI 1371

4 Credits (3-2-4)

An introduction to heat transfer by conduction, convection, radiation and its application to engines, heat exchangers, air conditioners, and refrigeration systems.

Prerequisite(s): MECT 3301 or CIVT 3301, MECT 3411

3 Credits (3-0-3)

An overview and history of Lean and six-sigma will be discussed. Studies will include various tools of Lean including types of waste, Five S, Value Stream Mapping (VSM), cellular manufacturing, Just in Time (JIT), pull system, and Total Quality Management (TQM). The benefits of Lean manufacturing implementation and its effect on operational performance will also be discussed.

Prerequisite(s): ENGT 3301

3 Credits (3-0-3)

A study of the techniques applied to solve optimization and decision making problems in manufacturing operations. Topics to be covered include linear programming, CPM and PERT, queuing theory, and simulation.

Prerequisite(s): ENGT 3301

4 Credits (3-2-4)

This course covers the fundamentals of Heating, Ventilation, & Air Conditioning (HVAC) refrigeration system theory, mechanical refrigeration cycle, components, operation and applications. Basic to advanced electrical theory and application are covered. Electromagnetic controls, heat transfer, heat transmission in building structures and solar radiation, properties of moist air, and refrigerant characteristics are also covered.

Prerequisite(s): MECT 4301K

3 Credits (3-0-3)

Internal combustion process of spark-ignition, diesel, stratifiedcharged, and mixed-cycle engines will be studied in detail. Jet and rocket engine population concepts will also be discussed

Prerequisite(s): MECT 3411

MECT 4911 **Renewable Energy Concepts** **3 Credits** **(3-0-3)**
This course examines conventional energy sources and systems, including fossil fuels and nuclear energy and introduces the basic concepts, technology, and application of various renewable energy sources and devices. Renewable energy sources that will be explored include wind, solar, hydro, biomass, tidal, and geothermal. The course will explore society's present needs and future energy demands.
Prerequisite(s): MECT 3411

Middle Grades Education

MGED 2140 **Teaching Adolescent Learners in the Middle Grades** **3 Credits** **(3-0-3)**
This course addresses adolescent development and the unique learning needs of diverse adolescent learners in the middle grades. The social, emotional, and cognitive needs of adolescents are examined within the context of middle school structures, innovative curriculum designs, research-based instructional strategies that engage adolescents in meaningful, active learning, and effective assessment practices that guide instruction.

MGED 3010 **Number Theory in Middle Grades Education** **3 Credits** **(3-0-3)**
This course examines topics that encompass the three main categories in the Number and Operations strand of Principles and Standards of School Mathematics (NCTM): understanding numbers and number systems, operations with numbers and how they relate to one another, computation and estimation. Also included are content-related pedagogy and best-practice instructional strategies.

MGED 3011 **Measurement and Geometry Concepts in Middle Grades Education** **3 Credits** **(3-0-3)**
This course introduces the essentials of geometry as a method for problem solving and procedures for measuring. Content includes exploring the properties of geometric figures, exploring concepts and procedures for measuring and learning about standard units in the metric and customary systems, making constructions using pencil and paper and dynamic software, using mathematical language to express ideas to justify reasoning while exploring the basis of formal mathematical proofs and solid geometry metrics. Also included are content-related pedagogy and best-practice instructional strategies.

MGED 3012 **Data Analysis, Probability, & Statistics in Middle Grades Education** **3 Credits** **(3-0-3)**
This course introduces statistics as a problem-solving process. Skills are built through investigations of ways to organize and represent data and describe and analyze variation in data. The association between two variables, probability, random sampling, and estimation are covered. Also included are content-related pedagogy and best-practice instructional strategies.

MGED 3013 **Algebraic Concepts in Middle Grades Education** **3 Credits** **(3-0-3)**
This course explores the 'big ideas' in algebraic thinking. Topics include algebraic thinking, patterns in context, functions and algorithms, proportional reasoning, linear functions and slope, solving equations, nonlinear functions, and algebraic structure. Also included are content-related pedagogy and best-practice instructional strategies.

MGED 3020 **Inquiry and Literacy in Middle Grades Science** **3 Credits** **(3-0-3)**
This course focuses on addressing the demands required of students to comprehend discipline-specific scientific text. Strategies learned in this course support students in learning how to read a wide range of scientific genres. Students will focus on the implementation of inquiry learning and the positive aspects of this approach as related to various scientific disciplines.

MGED 3021 **Life Sciences in Middle Grades Education** **3 Credits** **(3-0-3)**

This course introduces the essentials of geometry as a method for problem solving. Content includes exploring the properties of geometric figures, making constructions using pencil and paper and dynamic software, using mathematical language to express ideas to justify reasoning while exploring the basis of formal mathematical proofs and solid geometry. Also included are content-related pedagogy and best-practice instructional strategies.

MGED 3022 Physical Sciences in Middle Grade Education 3 Credits (3-0-3)
This course presents the basic concepts of physics including: basic relationships between matter and energy, mechanics, electricity, magnetism, and waves. Topics include the conservation of energy, heat and thermal dynamics, atomic and nuclear structure, electricity, and the effective pedagogy to teach these concepts.

MGED 3023 Earth & Space Sciences in Middle Grades Education 3 Credits (3-0-3)
This course examines the essential concepts pertaining to the study of the Earth as a constantly changing and dynamic system. Major topics include astronomy, meteorology, oceanography, historical geology and physical geology, as well as effective inquiry-based pedagogy to teach these concepts.

MGED 3030 Adolescent Literature 3 Credits (3-0-3)
This intensive reading course presents major works and authors of adolescent literature level learners. Media literacy will include common research techniques, appropriate documentation of sources to avoid plagiarism, and locating and evaluating sources including multi-media sources.

MGED 3031 Literary Forms and Media Literacy in Middle Grades Education 3 Credits (3-0-3)
This course will focus on literary devices, literary forms, and text structures for middle grades learners. Media literacy will include common research techniques, appropriate documentation of sources to avoid plagiarism, and locating and evaluating sources including multi-media sources.

MGED 3032 Reading Methods in Middle Grades Education 3 Credits (3-0-3)
The focus of this course is on methods in teaching reading with an emphasis on comprehension, fluency, and vocabulary development in middle grades 4-8. Research-based, practical applications of literacy instruction and assessment, and the diagnosis and remediation of reading disabilities are addressed.

MGED 3033 Teaching Grammar and Writing Mechanics in Middle Grades Education 3 Credits (3-0-3)
The focus of this course is on grammar and writing mechanics in middle level education. This course will build on essential writing skills such as sentence and paragraph construction to develop students' skills as writers.

MGED 3034 Teaching and Evaluating Writing in Middle Grades Education 3 Credits (3-0-3)
The focus of this course is on the types and traits of writing and writing instruction and evaluation in middle level education. This course presents the teacher as writer and engaging students in writing for a variety of purposes and audiences.

MGED 3040 US History in Middle Grades Education 3 Credits (3-0-3)
This course provides knowledge and skills for teaching U.S. and Georgia history at the middle level. Chronological accounts of major developments in Georgia and the U.S. from colonization through the current century will be explored to understand how major themes have shaped the growth of Georgia and the United States, its people, and its culture.

MGED 3041 Geography in Middle Grades Education 3 Credits (3-0-3)
Geographic literacy, map skills, physical geography, and human geography are explored within the context of middle school geography standards. Skills needed to teach fundamental knowledge related to U.S. and World geography and its relationship to patterns of cultural, governmental, and economic activities will be studied.

MGED 3042 Government and Civics in Middle Grades Education 3 Credits (3-0-3)

This course provides the foundation knowledge required to teach government and civics at the middle school level. Key concepts include the study of the Constitution, federalism, political parties and citizenship. International structures and systems will also be explained.

MGED 3054 Fundamentals of Economics in Middle Grades Education 3 Credits (3-0-3)

This course differentiates between microeconomics and macroeconomics and teaches how that knowledge can be applied in the middle level social studies curriculum. Market structures, GDP, unemployment, and inflation are included as well as how government intervention and policy affect the US and global economies.

MGED 4000 Special Topics 1-13 Credits (V-0-V)

This course focuses on topics in education or topics in the major content area of education.

MGED 4100 Methods and Research in Middle Grades Education 3 Credits (3-0-3)

Teacher candidates will advance their practical understanding of educational research specific to middle grades education and the theories of teaching and learning. The course introduces the language of research, ethical principles, and elements of quantitative and qualitative research approaches. Candidates will use these theoretical underpinnings to begin to critically review and use literature related to research-based methods relevant to their middle grade content areas in planning, instruction, and assessment.

MGED 4410 Practicum in Teaching Middle Grades Social Studies 3 Credits (3-0-3)

This course engages students in teaching concepts in middle grades social studies in a middle school setting while receiving additional training in effective instructional methods and assessment strategies appropriate for middle level learners. Successful completion of 60 field hours is required in this course.

Prerequisite: Prior admission to the Teacher Education Program is required.

Corequisite: MGED 4100

MGED 4411 Practicum in Teaching Middle Grades English/Language Arts 3 Credits (3-0-3)

This course engages students in teaching concepts in middle grades literacy that encompass English and the language arts in a middle school setting while receiving additional training in effective instructional methods and assessment strategies appropriate for middle level learners. Successful completion of 60 field hours is required in this course.

Prerequisite: Prior admission to the Teacher Education Program is required.

Corequisite: MGED 4100

MGED 4412 Practicum in Teaching Middle Grades Mathematics 3 Credits (3-0-3)

This course engages students in teaching concepts in middle grades mathematics with a focus on integrated STEM education in a middle school setting while receiving additional training in effective instructional methods and assessment strategies appropriate for middle level learners. Successful completion of 60 field hours is required in this course. *Prerequisite:* Prior admission to the Teacher Education Program is required.

Corequisite: MGED 4100

MGED 4413 Practicum in Teaching Middle Grades Science 3 Credits (3-0-3)

This course engages students in teaching concepts in middle grades science with a focus on integrated STEM education in a middle school setting while receiving additional training in effective instructional methods and assessment strategies appropriate for middle level learners.

Prerequisite: Prior admission to the Teacher Education Program is required.

Corequisite: MGED 4100

Military Science

MILS 1101 Introduction to Military Science & Skills Development 2 Credits (2-0-2)

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 1101L should be taken concurrently.

MILS 1102 **Basic Military Leadership** **2 Credits** **(2-1-2)**
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. MILS 1102L should be taken concurrently.

MILS 2201 **Basic Military Skills** **2 Credits** **(2-1-2)**
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. MILS 2201L should be taken concurrently.

MILS 2202 **Basic Military Tactics** **2 Credits** **(2-1-2)**
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. MILS 2202L should be taken concurrently.

MILS 3301 **Advanced Tactics & Applied Leadership I** **3 Credits** **(3-2-3)**
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. MILS 3301L should be taken concurrently.
Prerequisite(s): Completion of or placement credit for the Basic Course

MILS 3302 **Advanced Tactics & Applied Leadership II** **3 Credits** **(3-0-3)**
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. MILS 3302L should be taken concurrently.
Prerequisite(s): MILS 3301

MILS 4401 **Military Leadership & Management Seminar** **3 Credits** **(3-0-3)**
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. MILS 4401L should be taken concurrently.
Prerequisite(s): MILS 3301 and MILS 3302

MILS 4402 **Transition to Lieutenant** **3 Credits** **(2-1-3)**
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. MILS 4402L should be taken concurrently.
Prerequisite(s): MILS 4401

Marine Sciences

MSCI 1501K **Introduction to Marine Biology** **4 Credits** **(3-1-4)**
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.

MSCI 1701 **Introduction to Aquarium Science** **3 Credits** **(3-0-3)**

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.

MSCI 1705	Outreach and Public Display	2 Credits	(2-0-2)
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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.

MSCI 1810K	Marine Biology	4 Credits	(3-1-4)
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Introduction to the physiology, morphology, taxonomy, and ecology of marine organisms and their role in oceanographic processes.

MSCI 2010K	Introduction to Oceanography	4 Credits	(3-1-4)
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An introduction to physical, chemical and geological oceanography.

MSCI 2701K	Aquarium Systems I	4 Credits	(3-1-4)
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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.

Prerequisite(s): MSCI 2010K or taken concurrently with instructor's permission.

MSCI 2702K	Aquarium Systems II	4 Credits	(3-1-4)
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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.

Prerequisite(s): MSCI 2701K Aquarium Systems I

MSCI 2902	Aquarium Science Internship	8 Credits	(8-0-8)
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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.

Prerequisite(s): MSCI 2702K Aquarium Systems II

MSCI 3301K	Marine Chemistry & Analysis	4 Credits	(3-1-4)
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Chemical composition and processes of seawater and coastal waters; methods and techniques employed in analyzing environmental parameters; carbonate buffering system of seawater, biogeochemical cycles.

Prerequisite(s): MSCI 2010K, CHEM 1212 (may be taken concurrently).

MSCI 3401K	Invertebrate Zoology	4 Credits	(4-0-4)
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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.

*Prerequisite(s):*BIOL 1108 +L or MSCI 1810K

MSCI 3501K	Ichthyology	4 Credits	(3-0-3)
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Evolution, classification, anatomy, physiology, and ecology of fishes. Includes methods for the collection, identification, maintenance, and study of Southeastern coastal marine and estuarine species.

*Prerequisite(s):*BIOL 1108+L or MSCI 1810K

**MSCI
3560/DATA
3560**

Big Data Analysis in the Sciences

3 Credits (3-0-3)

A course in basic quantitative and analytical tools used to understand large sciences datasets, primarily using examples from the geosciences. Students will gain confidence in both the interpretation of presented data as well as the application of tools used for a variety of data types. Concepts covered will include sampling theory and design, plotting and visualizing data, basic data analysis techniques in Excel and MatLab, linear regression and curve fitting, time-series analysis, introduction to geoscience models, management of large data sets, and scripting in at least one software program typically used in geosciences (e.g., MatLab, R, etc.). This course will use example data sets commonly collected from ocean observatories, satellite remote sensing, data loggers, tagging and tracking experiments, moorings, current meters, long-term climate data sets, and other common types of science data.

Prerequisite: BIOL 1107 or ENV5 2401 or MSCI 2010K and MATH 1113 and CISM/CSCI 1130

MSCI 3702 Introduction to Geographical Information Systems 3 Credits (3-0-3)

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.

MSCI 3901 Technical Writing & Seminar 3 Credits (3-0-3)

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.

Prerequisite(s): ENGL 1102, prior science coursework, junior standing preferred

MSCI 4201K Marine Ecology 4 Credits (4-0-4)

The principles of ecology related to marine and estuarine ecosystems. Theoretical population dynamics, age distributions, competition, and predation are discussed.

Prerequisite(s): MSCI 1810K and MSCI 3301K, or BIOL 1108 and ENV5 3203

MSCI 4350K Biological Oceanography 4 Credits (3-2-4)

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.

Prerequisite(s): MSCI 1810K, MSCI 2010K, and junior standing

MSCI 4401K Marine Sediments 4 Credits (4-0-4)

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.

Prerequisite(s): MSCI 2010K or ENV5 1121K

MSCI 4447 Marine Mammalogy 3 Credits (3-0-3)

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.

Prerequisite(s): Junior standing; MSCI 1810K or BIOL 1108+L

MSCI 4501 Current Issues in Oceanography 3 Credits (3-0-3)

This course provides background information, letters, milestone journal articles, and guidance in literature searches for discussion/debate on current issues in oceanography.

Prerequisite(s): MSCI 1810K and 2010K

MSCI 4572	Oceanographic Instrumentation	3 Credits	(3-0-3)
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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.

Prerequisite(s):BIOL 1108/1108L; MSCI 2010K; or ENVS 2401/2401L

MSCI 4601	Marine Conservation Biology	3 Credits	(3-0-3)
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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.

Prerequisite(s):BIOL1108 and 1108L or MSCI 1810K

MSCI 4851	Special Topics	1-3 Credits	(V-0-V)
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Content to be determined each semester. May be repeated.

MSCI 4902	Senior Research/Internship	1-3 Credits	(V-0-V)
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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(s): MSCI 3901 and at least junior standing

MSCI 4903	Senior Research/Internship II	1-3 Credits	(V-0-V)
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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(s): MSCI 4902 (may be concurrently).

MSCI 4904	Senior Seminar	1 Credit	(1-0-1)
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Students explore marine career and graduate school options, prepare applications and curriculum vitae, practice interviews, discuss scientific ethics, review primary scientific literature, and produce and present a research poster.

Prerequisite(s): MSCI 4902

Music

MUSC 1000	Recital Hour	0 Credits	(0-0-0)
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Recital Hour

MUSC 1101	Music Appreciation	3 Credits	(3-0-3)
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An introductory music course which emphasizes the repertoire most frequently heard in concert halls today—music from the baroque period to the present. Course content includes jazz, American popular idioms, and music from a wide span of cultures, including Indian, Arabic, Indonesian, African, Japanese, and Chinese.

MUSC 1201	Fundamentals of Music	3 Credits	(3-0-3)
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Course in rudiments of music designed for non-music majors.

MUSC 1311	Theory I	3 Credits	(3-0-3)
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Course in notation, time signatures, major and minor scales, intervals, melodic and rhythmic problems, sight-reading and musical dictation.

MUSC 1408	University Marching Band	1 Credit	(1-0-1)
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A course that focuses on band performance and technique development. Freshman level.

MUSC 1409	University Marching Band	1 Credit	(1-0-1)
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A continuation of MUSC 1408.

MUSC 1421	Applied Major Area Band Instrument	1 Credit	(1-0-1)
A private lesson held in the percussion studio for one hour a week by appointment only. Freshman level.			
MUSC 1422	Applied Major Area Band Instrument	1 Credit	(1-0-1)
A continuation of MUSC 1421.			
MUSC 1455	Jazz Ensemble	1 Credit	(1-0-1)
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	(1-0-1)
A course designed to expose students to composers and arrangers of jazz, rock, and soul music. Improvisation also included.			
MUSC 1534	Applied Major Area Piano	1 Credit	(1-0-1)
A course devoted to the development of the proficiency in a specific area of applied music selected by the student with consent of the advisor. Regular lessons and periodic performance expected.			
MUSC 1542	Jazz Ensemble	1 Credit	(1-0-1)
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 1561	Class Piano I	1 Credit	(1-0-1)
This is the first in a four-semester sequence of courses designed to develop the keyboard skills which are essential for all musicians. These skills include keyboard technique (scales, arpeggios, etc.) sight-reading, improvisation, transposition, accompaniment, open-score reading, performance of harmonic progressions, harmonization of melodies, ensemble playing, and performance of solo repertoire. Many of the theoretical concepts introduced in theory classes will be reinforced in this course by the playing of scales, arpeggios and chord progressions.			
MUSC 1608	Basic Keyboard (non-majors)	3 Credits	(3-0-3)
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	1 Credit	(1-0-1)
A continuation of MUSC 1608.			
MUSC 1644	Applied Major Area Voice	1 Credit	(1-0-1)
This course is designed to improve vocal technique, musical ability, interpretive choices, stylistic knowledge and performance skills. Singer musicianship will be achieved through weekly lessons individual practice of the materials assigned and through your participation in performance opportunities.			
MUSC 1651	Class Voice	1 Credit	(1-0-1)
This course is designed for the musician who wishes to learn more about the vocal apparatus and desires to improve their personal singing ability. In the class voice setting, basic technical principles are stressed in accordance with the student's current performance ability. Strategies are chosen, musical understanding, expressive performance and musical taste.			
MUSC 1711	Opera/Musical Theatre Workshop	1 Credit	(1-0-1)
Opera/Musical Theatre Workshop is a select course for moderate to advanced classical singers. Topics include the musical, linguistic and dramatic preparation of roles and scenes from the operatic, operetta and musical theatre repertory. In addition, the student will learn more about the history and literature of these genres as well as the industry (auditioning, young artist programs, etc.)			

MUSC 1808	Symphonic Band	1 Credit	(1-0-1)
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	Symphonic Band	1 Credit	(1-0-1)
A continuation of MUSC 1808.			
MUSC 2101	Theory II	3 Credits	(3-0-3)
Course covering concepts such as diatonic harmony, modulation, chromatic chords, modes, harmonization from melody and bass, analysis of examples.			
MUSC 2408	Band Organization	1 Credit	(1-0-1)
A course that focuses on band performance and technique development. Sophomore Level.			
MUSC 2409	Band Organization	1 Credit	(1-0-1)
A continuation of MUSC 2408.			
MUSC 2421	Instrument Methods I	2 Credit	(2-0-2)
An introduction to the principles of instrumental performance and pedagogy. Focus on technique and group performance.			
MUSC 2431	Applied Major Area Instrument	1 Credit	(1-0-1)
A private lesson held in the percussion studio for one hour a week by appointment only. Sophomore level.			
MUSC 2432	Applied Major Area Instrument	1 Credit	(1-0-1)
A continuation of MUSC 2431.			
MUSC 2455	Jazz Ensemble	1 Credit	(1-0-1)
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	(1-0-1)
A course designed to expose students to composers and arrangers of jazz, rock, and soul music. Improvisation also included.			
MUSC 2522	Keyboard I	2 Credits	(2-0-2)
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. <i>Prerequisite(s):</i> MUSC 1201 or 1542			
MUSC 2534	Applied Major Piano	1 Credit	(1-0-1)
Applied Major Piano			
MUSC 2561	Class Piano III	1 Credit	(1-0-1)
This is the third in a four-semester sequence of courses designed to develop the keyboard skills which are essential for all musicians. These skills include keyboard technique (scales, arpeggios, etc.) sight-reading, improvisation, transposition, accompaniment, open-score reading, performance of harmonic progressions, harmonization of melodies, ensemble playing, and performance of solo repertoire, many of the theoretical concepts introduced in theory classes will be reinforced in this course by the playing of scales, arpeggios and chord progressions.			
MUSC 2608	Choral Organization	1 Credit	(1-0-1)

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** **1 Credit** **(1-0-1)**
A continuation of MUSC 2608.

MUSC 2644 **Applied Major Voice** **1 Credit** **(1-0-1)**
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 **Vocal Performance I** **2 Credits** **(2-0-2)**
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 2646 **Voice Performance II** **2 Credits** **(2-0-2)**
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 **Symphonic Band** **1 Credit** **(1-0-1)**
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 **Symphonic Band** **1 Credit** **(1-0-1)**
A continuation of MUSC 2808.

MUSC 3011 **African-American Music** **3 Credits** **(3-0-3)**
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** **3 Credits** **(3-0-3)**
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(s): MUSC 3531

MUSC 3111 **Theory III Form & Analysis** **2 Credits** **(2-0-2)**
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(s): MUSC 2101

MUSC 3121 **History & Literature of Music I** **3 Credits** **(3-0-3)**
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** **(3-0-3)**
A continuation of MUSC 3121 beginning with the Baroque period to the present.

MUSC 3321 **Instrumental Methods I** **2 Credits** **(2-0-2)**
An introduction to the principles of instrumental performance and pedagogy. Focus on technique and group performance.

MUSC 3322 **Instrumental Methods II** **2 Credits** **(2-0-2)**

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(s): MUSC 3321

MUSC 3404	Music Production	3 Credits	(3-0-3)
Music Production is a technology course focusing on the software and/hardware components surrounding DAW, MIDI, MIDI sequencing and notation. Students will prepare digital music files by using editing, and mixing tools. Students will complete independent projects in the areas of music notation, MIDI sequencing, and film scoring.			

MUSC 3408	University Marching Band	1 Credits	(1-0-1)
University Marching Band			

MUSC 3421	Instrumental Methods I	2 Credits	(2-0-2)
A private lesson held in the percussion studio for one hour a week by appointment only. Junior level.			

MUSC 3422	Instrumental Methods II	2 Credits	(2-0-2)
A continuation of MUSC 3421.			

MUSC 3455	Jazz Ensemble	1 Credit	(1-0-1)
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	(1-0-1)
A course designed to expose students to composers and arrangers of jazz, rock, and soul music. Improvisation also included.			

MUSC 3531	Accompaniment	1 Credit	(1-0-1)
This course is designed to introduce to the art of piano collaboration. Practical skills including sight-seeing and ensemble development will be addressed. Time will be devoted to exploring standard works from the vocal and instrumental repertoires, which are intended to prepare the student to graduate study as well as professional work as a collaborator.			

MUSC 3534	Applied Major Piano	1 Credit	(1-0-1)
Applied Major Piano			

MUSC 3560	Piano Pedagogy	1 Credit	(1-0-1)
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.			
<i>Prerequisite(s):</i> MUSC 3531			

MUSC 3608	Choral Organization	1 Credit	(1-0-1)
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	1 Credit	(1-0-1)
A continuation of MUSC 3608.			

MUSC 3644	Applied Major Area—Voice	1 Credit	(1-0-1)
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	1 Credit	(1-0-1)
A continuation of MUSC 3644.			

MUSC 3646	Voice Methods	1 Credit	(1-0-1)
Continuation of MUSC 2646 which includes more challenging vocal repertoire.			
MUSC 3651	Vocal Diction I	1 Credit	(1-0-1)
A course to assist students with the pronunciation and sounds of English, Italian, French, and German for good vocal performance.			
MUSC 3652	Vocal Diction II	2 Credits	(2-0-2)
A continuation of MUSC 3651.			
MUSC 3653	Vocal Pedagogy	2 Credits	(2-0-2)
Methods and materials for the studio.			
MUSC 3711	Opera/Musical Theatre Workshop	1 Credits	(1-0-1)
Opera/Musical Theatre Workshop is a select course for moderate to advanced classical singers. Topics include the musical, linguistic and dramatic preparation of roles and scenes from the operatic, operetta and musical theatre repertory. In addition, the student will learn more about the history and literature of these genres as well as the industry (auditioning, young artist programs, etc.)			
MUSC 3751	Conducting	3 Credits	(3-0-3)
A study of the techniques of conducting and interpretation of instrumental and choral literature.			
MUSC 3808	Chamber Organization	1 Credit	(1-0-1)
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	1 Credit	(1-0-1)
A continuation of MUSC 3808. Junior level.			
MUSC 4010	Contemporary Music	3 Credits	(3-0-3)
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	3 Credits	(3-0-3)
A study of the construction of music from the eighteenth century to the present, including melodic and harmonic analysis of selections by major composers.			
<i>Prerequisite(s):</i> MUSC 3111			
MUSC 4408	Band Organization	1 Credit	(1-0-1)
A course that focuses on band performance and technique development .Senior level.			
MUSC 4409	Band Organization	1 Credit	(1-0-1)
A continuation of MUSC 4408.			
MUSC 4420	Instrumental Pedagogy	2 Credits	(2-0-2)
A course designed to use comprehensive methods and materials in understanding the repertoire of instrumental music.			
MUSC 4421	Applied Major Area Instrument	1 Credit	(1-0-1)
A private lesson held in the percussion studio for one hour a week by appointment only. Senior level.			
MUSC 4531	Accompaniment	1 Credits	(1-0-1)

The course is designed to introduce students to the art of piano collaboration. Practical skills including sight-reading and ensemble development will be addressed. Time will be devoted exploring standard works from the vocal and instrumental repertoires, which are intended to prepare the student for graduate study as well as professional work as a collaborator.

MUSC 4534 **Applied Major Area Piano** **1 Credits (1-0-1)**
This course is designed to introduce students to the art of piano collaboration. Practical skills including sight-reading and ensemble development will be addressed. Time will be devoted exploring standard works from the vocal and instrumental repertoires, which are intended to prepare the student for graduate study as well as professional work as a collaborator.

MUSC 4536 **Keyboard II** **3 Credits (2-0-2)**
Involves a higher level of technical proficiency concentrating on repertoire from the Romantic and Impressionistic eras. *Prerequisite(s)*: MUSC 2522

MUSC 4455 **Jazz Ensemble** **1 Credit (1-0-1)**
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 (1-0-1)**
A course designed to expose students to composers and arrangers of jazz, rock, and soul music. Improvisation also included.

MUSC 4608 **Choral Organization** **1 Credit (1-0-1)**
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** **1 Credit (1-0-1)**
A continuation of MUSC 4608.

MUSC 4611 **Accompaniment** **1 Credit (1-0-1)**
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(s): MUSC 3531 or permission from the instructor

MUSC 4644 **Applied Major Area—Voice (Music Majors Only)** **1 Credit (1-0-1)**
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 **Musical Theatre** **3 Credits (3-0-3)**
This course explores the origins of the Musical Theatre in the United States and the African American Contribution to the American Musical. Students will learn the different forms of musical theatre and develop a full production, with orchestra, scenery, choreography and choral.

MUSC 4711 **Opera/Musical Theatre Workshop** **1 Credits (1-0-1)**
Opera/Musical Theatre Workshop is a select course for moderate to advanced classical singers. Topics include the musical, linguistic and dramatic preparation of roles and scenes from the operatic, operetta and musical theatre repertory. In addition, the student will learn more about the history and literature of these genres as well as the industry (auditioning, young artist programs, etc.)

MUSC 4808 **Chamber Organization** **1 Credit (1-0-1)**
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	1 Credit	(1-0-1)
A continuation of MUSC 4808.			

MUSC 4999	Seminar/Practicum/Internship	3 Credits	(3-0-3)
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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(s): completion of 30 credit hours in BFA major

Naval Science

NSCI 1001	Introduction to Naval Science	3 Credits	(3-0-3)
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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.

NSCI 1002	Seapower & Maritime Affairs	3 Credits	(3-0-3)
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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.

NSCI 2101	Naval Ships Systems I Engineering	3 Credits	(3-0-3)
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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.

NSCI 2102	Leadership & Management	3 Credits	(3-0-3)
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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.

Travel in conjunction with Course NSCI 2102: Savannah State University Navy ROTC with appropriated funding from Savannah State University College of Science and Technology (COST), may be offered opportunities for class participation in selected leadership conferences that are considered part of the course credit. Travel offerings associated with NSCI 2102 will be announced and selection criteria for attendance will be based on Professor of Naval Science recommendations to Dean of COST, Savannah State University.

NSCI 3003	Navigation	3 Credits	(3-0-3)
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An in-depth study of piloting and 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. 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 (3-0-3)

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(s): NSCI 3003 Navigation

NSCI 3101 Evolution of Warfare 3 Credits (3-0-3)

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.

NSCI 4001 Naval Ships Systems II Weapons 3 Credits (3-0-3)

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.

NSCI 4050 Naval Drill 0 Credits (0-0-0)

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.

NSCI 4103 Fundamentals of Maneuver Warfare 3 Credits (3-0-3)

The purpose of this course is to introduce the student to the foundational concepts and history of the USMC as the premier Maneuver Warfighting Organization. It is a theoretical class that utilizes both historical examples from previous military operations as well as current doctrine, developing an individual who is both a critical thinker and scholar in the profession of arms. The goal is to educate the student to read military history analytically not to memorize facts. The foundation for the course occurs in Module One - Fundamental concepts and Themes. Module Two lays out the doctrine of maneuver warfare and Module Three describes the future of the Marine Corps and how it will continue to apply and advance the maneuver warfare philosophy and concept.

NSCI 4104 Leadership and Ethics 3 Credits (3-0-3)

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.

Travel in conjunction with Course NSCI 4104: Savannah State University Navy ROTC with appropriated funding from Savannah State University College of Science and Technology (COST), may be offered opportunities for class participation in selected leadership conferences that are considered part of the course credit. Travel offerings associated with NSCI 4104 will be announced and selection criteria for attendance will be based on Professor of Naval Science recommendations to Dean of COST, Savannah State University.

Prerequisite(s): NSCI 2102

Philosophy

PHIL 2010 Introduction to Philosophy 3 Credits (3-0-3)

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.

PHSC 1011K **Physical Science I** **4 Credits** **(4-0-4)**
A course examining scientific facts and scientific laws pertaining to the physical universe.

PHSC 1012K **Physical Science II** **4 Credits** **(4-0-4)**
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.

Physics

PHYS 1111K **Introductory Physics I** **4 Credits** **(3-1-4)**
An introductory course, which includes material from mechanics, thermodynamics, and waves. Elementary algebra and trigonometry are examined.
*Prerequisite(s):*MATH 1113

PHYS 1112K **Introductory Physics II** **4 Credits** **(3-1-4)**
An introductory course, which includes material from electromagnetism, optics, and modern physics. Elementary algebra and trigonometry are examined.
*Prerequisite(s):*PHYS 1111K

PHYS 2211K **Principles of Physics I** **4 Credits** **(4-0-4)**
An introductory course, which includes material from mechanics, thermodynamics, and waves. Elementary differential calculus is used.
*Prerequisite(s):*MATH 2101 or MATH 2501

PHYS 2212K **Principles of Physics II** **4 Credits** **(4-0-4)**
An introductory course, which includes material from electromagnetism, optics, and modern physics. Elementary differential and integral calculus are examined.
Prerequisite(s): PHYS 2211K

PHYS 3111 **Heat & Thermodynamics** **3 Credits** **(3-0-3)**
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(s):*PHYS 2211K

PHYS 3121 **Optics** **3 Credits** **(3-0-3)**
Advanced topics in optics; a continuation of PHYS 2212K.
*Prerequisite(s):*PHYS 2212K

PHYS 3131 **Magnetism & Electricity** **3 Credits** **(3-0-3)**
Advanced topics in electricity and magnetism; a continuation of PHYS 2212K.
*Prerequisite(s):*PHYS 2212K

PHYS 3211 **Mathematical Physics** **3 Credits** **(3-0-3)**
A course designed to develop an understanding of the concrete relationship between mathematical factors that contribute to various physical phenomena; qualitative and quantitative relationships.
*Prerequisite(s):*MATH 2111 and PHYS 2212K

PHYS 4111 **Modern Physics** **3 Credits** **(3-0-3)**
Recent advances in atomic and nuclear physics.
*Prerequisite(s):*MATH 2111, PHYS 2212K and at least one upper-level physics course

(2-0-2)

Prerequisite(s): Junior standing in mathematics and physics; the consent of the instructor; completion of at least one 3100 or 4100 level physics course

Political Science

(3-0-3)

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.

(3-0-3)

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(s): For upper level POLS courses for majors/minors

(3-0-3)

A study of the structure, powers, functions, and problems of state and local governments and their roles in the federal government system.

(3-0-3)

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.

(3-0-3)

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.

(3-0-3)

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.

(3-0-3)

A study of the methods, political environment, political structures, participation and socialization, public policy processes of selected political systems.

(3-0-3)

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(s): POLS 3101

(3-0-3)

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.

Prerequisite(s): POLS 2101, 3101

(3-0-3)

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(s): POLS 2101

POLS 3201 **American Judicial Process** **3 Credits** **(3-0-3)**
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** **(3-0-3)**
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(s)*: POLS 1101

POLS 3221 **Civil Rights & Liberties** **3 Credits** **(3-0-3)**
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** **(3-0-3)**
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** **(3-0-3)**
An introduction to the quantitative and qualitative techniques for measurement, analysis, and inference of political data.
Prerequisite(s): POLS 1101 and POLS 2101

POLS 3401 **Administrative Law** **3 Credits** **(3-0-3)**
A study of cases illustrating how the conduct of public officials is regulated.
Prerequisite(s): POLS 3211

POLS 3501 **Public Personnel Administration** **3 Credits** **(3-0-3)**
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(s): POLS 2601

POLS 3502 **Non-Profit Organizations** **3 Credits** **(3-0-3)**
This class prepares students to serve in, or collaborate with, nonprofit organizations as separate and distinct from market firms and government. This course offers an overview of the history, scope, and practice of collective action impacting public services and policy development. The course emphasizes acquiring the knowledge, skills and abilities to serve in these organizations or as a partner, such as when government contracts with a nonprofit organization as a delivery mechanism for public services.

POLS 3511 **Organization Theory & Behavior** **3 Credits** **(3-0-3)**
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(s): POLS 2601

POLS 3601 **African-American Politics** **3 Credits** **(3-0-3)**
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(s): POLS 1101

POLS 3701	Georgia Government & Politics	2 Credits	(2-0-2)
A survey of Georgia state and local governmental institutions, functions, and processes, including the behavior of political leaders.			
<i>Prerequisite(s)</i> : POLS 1101			
POLS 3702	Introduction to Geographic Information Systems	3 Credits	(3-0-3)
Applied skills in Geographic Information Systems (GIS) are required for many entry-level careers in public and private sector planning, engineering, public health, community development and natural-resource management. This course is an introduction to Geographic Information Systems (GIS) for undergraduate students. This course has three objectives: (1) to familiarize students with the application of GIS software and provide experience working with common sources of spatial data and analysis techniques. (2) To produce intelligent consumers of spatial information to recognize the perils of misrepresenting spatial data and the real-world implications of bad maps. (3) To prepare students for a job market that demands GIS skills and spatial literacy.			
POLS 3801	Gender & Politics	3 Credits	(3-0-3)
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	(3-0-3)
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 3813	Introduction to Urban Planning	3 Credits	(3-0-3)
An introduction to the basic concepts, principles, and theories of urban planning, including the development, design, and revitalization of high density populations.			
POLS 3901	Internship	Credit Varies	(V-0-V)
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.			
<i>Prerequisite(s)</i> : Permission of the instructor			
POLS 4000	Special Topics	3 Credits	(3-0-3)
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).			
POLS 4101	Environmental Law	3 Credits	(3-0-3)
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	(3-0-3)
An examination of the theoretical approaches to the basic political concepts in their historical context.			
<i>Prerequisite(s)</i> : HIST 1101, HIST 1102; and POLS 2101 or permission of the instructor			
POLS 4211	Contemporary Political Theory	3 Credits	(3-0-3)
An analytical review of the writing of great thinkers from the end of the Middle Ages to the present; emphasis on recent political ideologies.			
<i>Prerequisite(s)</i> : POLS 2101, POLS 4201			
POLS 4221	American Political Thought	3 Credits	(3-0-3)

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.

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.

SPAN 2002	Intermediate Spanish II	3 Credits	(3-0-3)
Intensive review of basic principles of Spanish; continued practice in listening, speaking, reading, and writing. <i>Prerequisite(s)</i> :SPAN 2001			
SPAN 3101	Advanced Conversation & Composition	3 Credits	(3-0-3)
A course focusing on understanding, speaking, and writing. Students will give oral presentations and write compositions on assigned topics. <i>Prerequisite(s)</i> :SPAN 2002			
SPAN 3201	Civilization & Culture of Spain	3 Credits	(3-0-3)
An historical survey of the culture of Spain from the Pre-Roman era to the present. Classes will be conducted in Spanish. <i>Prerequisite(s)</i> :SPAN 3101			
SPAN 3202	Civilization & Culture of Latin America	3 Credits	(3-0-3)
An historical survey of the culture of Latin American from the Pre-Columbian era to the present. Classes will be conducted in Spanish. <i>Prerequisite(s)</i> :SPAN 3101			
SPAN 3204	Survey of Literature	3 Credits	(3-0-3)
Introduction to some of the principal authors, works, and ideas in the literatures of Spanish-speaking countries. <i>Prerequisite(s)</i> :SPAN 3101			
SPAN 3401	Introduction to Business Spanish	3 Credits	(3-0-3)
A study of business terminology, including letter writing, insurance, banking, situations dealing with export and import companies, and job interviews. <i>Prerequisite(s)</i> :SPAN 1002 or two years of high school Spanish			
SPAN 3402	Intermediate Business Spanish	3 Credits	(3-0-3)
A continuation of SPAN 3401 with further emphasis on terminology relating to banking, insurance, letter-writing, job interviews, and exporting and importing. <i>Prerequisite(s)</i> :SPAN 3401			
SPAN 4101	Beginning Medical Spanish	3 Credits	(3-0-3)
A study of terminology vital to medical personnel, nursing students, and anyone in any health-related field. <i>Prerequisite(s)</i> :SPAN 1002 or two years of high school Spanish			
SPAN 4102	Intermediate Medical Spanish	3 Credits	(3-0-3)
A continuation of SPAN 4101. Students will continue to learn vocabulary useful to anyone in any medical or health-related field. <i>Prerequisite(s)</i> :SPAN 4101			

Sociology

SOCI 1101	Introduction to Sociology	3 Credits	(3-0-3)
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	(3-0-3)
A survey and analysis of social problems, their interrelationships and linkage to social institutions in contemporary North American society.			
SOCI 2101/SOWK	Social Statistics	3 Credits	(3-0-3)

2101

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 3036

Social Stratification

3 Credits (3-0-3)

This course examines and analyzes global perspective of social stratification. The course explores social factors that are used to stratify people in the world as well as the consequences of social inequality.

SOCI 3101

The Family

3 Credits (3-0-3)

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(s): SOCI 1101

SOCI 3122

Sociology of Poverty

3 Credits (3-0-3)

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 (3-0-3)

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(s): SOCI 1101

SOCI 3202

Health Disparities

3 Credits (3-0-3)

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(s): SOCI 1101

SOCI 3219

Deviance & Conformity

3 Credits (3-0-3)

This course will introduce students to the various theories, concepts and forms of deviant behavior.

SOCI 3301

Sociology of Aging

3 Credits (3-0-3)

This course examines aging, including ageism, the changing roles and relationships of elders in society as well as theories and concepts of aging.

SOCI 3401

Social Research Methods

3 Credits (3-0-3)

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(s): SOCI 2101

SOCI 3425

Sex, Roles & Gender

3 Credits (3-0-3)

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(s): SOCI 1101

SOCI 3611

Minorities & the Social Environment

3 Credits (3-0-3)

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(s): SOCI 1101 or SOCI 1160

SOCI 3621	Demography	3 Credits	(3-0-3)
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.			
<i>Prerequisite(s)</i> : SOCI 1101			
SOCI 3631	Urban Sociology	3 Credits	(3-0-3)
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	(3-0-3)
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	(V-0-V)
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	(3-0-3)
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	(3-0-3)
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	(3-0-3)
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	(3-0-3)
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	(3-0-3)
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	(3-0-3)
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.			
<i>Prerequisite(s)</i> : SOCI 1101			
SOCI 4421	Seminar on the African-American Experience	3 Credits	(3-0-3)
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	(3-0-3)

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(s)*: SOCI 3401 or permission of the instructor

Social Work

SOWK 1000 Self-Awareness and Professional Development 3 Credits (3-0-3)

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. *Prerequisite(s)*: Social Work Majors only

SOWK Social Statistics 3 Credits (3-0-3) **2101/SOCI** **2101**

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 (3-0-3)

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 (3-0-3)

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.

Prerequisite(s): SOWK 2200

SOWK 3101 Research Methods II 3 Credits (3-0-3)

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).

Prerequisite(s): SOWK 2101/SOCI 2101, 2205, 3201, 3305, and instructor permission

SOWK 3201 Human Behavior & the Social Environment I 3 Credits (3-0-3)

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.

Prerequisite(s): SOWK 2200, 2205, 3305 and admission to major

SOWK 3202 Human Behavior & the Social Environment II 3 Credits (3-0-3)

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.

Prerequisite(s): SOWK 1000, and 3201

SOWK 3220 Human Diversity & Social Work Practice 3 Credits (3-0-3)

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(s): SOWK 1000, 2205 and admission to major

SOWK 3305 Introduction to Social Work Practice 3 Credits (3-0-3)

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(s): SOWK 1000 and 2200.

SOWK 3340 Interventive Methods I 3 Credits (3-0-3)

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.

Prerequisite(s): SOWK 3201, 3305

SOWK 3341 Interventive Methods II 3 Credits (3-0-3)

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.

Prerequisite(s): SOWK 3340

Corequisite(s): SOWK 4701, 4901

SOWK 3342 Interventive Methods III 3 Credits (3-0-3)

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.

Prerequisite(s): SOWK 1000, 3202, 3341

Corequisite(s): SOWK 4702, 4902

SOWK 4106 Social Work with Families & Children 3 Credits (3-0-3)

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.

Prerequisite(s): Junior standing or consent of instructor

SOWK 4201	Gerontological Social Work	3 Credits	(3-0-3)
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This course offers an overview of social work theory and practice on aging and older adult populations. Emphasis is placed on the biopsychosocial, 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.

Prerequisite(s): Junior standing or consent of instructor

SOWK 4301	Substance Abuse Intervention Strategies	3 Credits	(3-0-3)
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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	(3-0-3)
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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.

Prerequisite(s): 3201, 3202, 3340

SOWK 4510	Crisis Intervention and Brief Theory	3 Credits	(3-0-3)
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An examination of the theories and techniques of short-term intervention and subsequent referral procedures.

Topics include suicide, battering, HIV/AIDS, rape, death, dying, and communities experiencing disasters such as hurricanes, flood, and air crashes. Elective course open to all interested majors.

Prerequisites: SOWK 2205, 3201, 3305

SOWK 4520	Spirituality and Human Services	3 Credits	(3-0-3)
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The purpose of this course is to provide Social Workers and Human Service Professionals with practical theory and research-based methods for spiritually oriented service delivery with individual, couples, families, groups, institutions, and local and global communities and ecosystems. Social service agencies provide individuals, families and communities with the resources and tools to achieve their highest fulfillment. Traditionally, social work has applied holistic approaches when serving people; applying interventions that incorporate the biological, psychological, sociological, and spiritual aspects. The latest Council on Social Work Education Curriculum Policy Statement supports the inclusion of content on religious and spiritual diversity. This course provides an overview of spiritual aspects of social work practice with individuals, families and small groups.

SOWK 4610	International Issues in Social Work	3 Credits	(3-0-3)
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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	3 Credits	(3-0-3)
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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 must complete 15-20 hours per week for a total of 200 clock hours. Restricted to social work majors. Prerequisite(s):SOWK 2200, 2205, 3340, 3202 and Senior standing

Corequisite(s): SOWK 4901

SOWK 4702	Field Experience II	3 Credits	(3-0-3)
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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 must complete 15-20 hours per week for a total of 200 clock hours. Restricted to social work majors. Prerequisite(s):SOWK 2200, 2205, 3340, 3202, 4701, 4901,
Co-requisites: SOWK 4902

SOWK 4901 **Senior Seminar I** **3 Credits (3-0-3)**
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(s):Senior Standing

SOWK 4902 **Senior Seminar II** **3 Credits (3-0-3)**
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(s):SOWK 4901

SOWK 5501 **Law, Race and Poverty in the Welfare of Children** **3 Credits (3-0-3)**
This course is required for BSW senior social work majors and MSW 1st year students who are Title IV-E Child Welfare recipients. 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.

SOWK 6000 **Special Topics** **3 Credits (3-0-3)**
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). If a 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.
Prerequisite: Consent of instructor

SOWK 6100 **Independent Study** **3 Credits (3-0-3)**
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 possess 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.

Speech

SPEH 2101 **Voice and Diction** **3 Credits (3-0-3)**
Study and practice in effective voice production, with emphasis upon breath control, posture, articulation and pronunciation. Fall.

SPEH 2111 **Oral Interpretation** **3 Credits (3-0-3)**
Intensive study and practice in the oral interpretation of poetry, prose, and drama. Individual activity primarily emphasized. Fall.

SPEH 4101 **Advanced Speech** **3 Credits (3-0-3)**
A course emphasizing self-improvement in all phases of diction and delivery and providing experience in various speaking situations.
Prerequisite(s):HUMN 1201 or permission of instructor

Theatre

THEA 2101 **Introduction to Theatre** **3 Credits (3-0-3)**
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.

THEA 2525 **Theatre Improvisation** **3 Credits (3-0-3)**
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(s):HUMN 1201

THEA 2601 **Stagecraft** **3 Credits (3-0-3)**
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 work with a variety of equipment available to meet the lighting demands of a production.

THEA 3004 **Scene Design** **3 Credits (3-0-3)**
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 (3-0-3)**
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 (3-0-3)**
An introduction course to stage movement and kinetic practice and intentions.

THEA 3123 **Movement II** **3 Credits (3-0-3)**
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(s):THEA 3122

THEA 3125 **Stage Make Up & Costumes** **3 Credits (3-0-3)**
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 (3-0-3)**
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 (3-0-3)**
Covers theatre history, dramatic literature and theory from Italian to the Pre-Algerian 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 (3-0-3)**
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 (3-0-3)**
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(s): ENGL 1102
- THEA 4101** **Acting II** **3 Credits (3-0-3)**
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(s): THEA 3101
- THEA 4103** **Advanced Acting/TV/Cinema** **3 Credits (3-0-3)**
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 (3-0-3)**
Studies the problems and techniques in periods and styles through intensive scene study and performance of Greek, Shakespearean and Romantic works.
Prerequisite(s): THEA 4101, 4103
- THEA 4105** **Playwriting** **3 Credits (3-0-3)**
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 (3-0-3)**
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 (2-0-2)**
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(s): completion of 18 credits hours in Concentration area
- THEA 4645** **Musical Theatre** **3 Credits (3-0-3)**
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.

Faculty by Department

Accounting, CIS & GLIB

Butler-Lamar, Shetia C. (Lecturer)

BBA Savannah State University, Business Computer Information System, 2002

MBA Savannah State University, Masters of Business Administration, 2008

In Progress/Incomplete University of Liverpool, CIS, 2017

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BS Iran University of Science and Technology, Industrial Technology, 2007

MS Sharif University of Technology, 2010

PhD Missouri University of Science and Technology, Systems Engineering, 2017

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BComm Beirut Arab University, Economics and Politics, 1970

Master of Social Science University of Birmingham, Accounting and Development Finance, 1988

PhD The University of Birmingham, Accounting and Finance, 1991

Leseane, Reginald D. (Associate Professor & Interim Provost and Vice President of Academic Affairs)

AS Community College of Air Force, Electronic Systems Technology, 1992

BBA Savannah State University, Computer Information Systems, 1996

MBA Georgia Southern University, Business, 1998

EDD Georgia Southern University, Curriculum Studies, 2007

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BS Pennsylvania State University, Accounting, 1984

MTax University of Akron, Taxation, 1994

JD The University of Akron, Law, 1996

Park, Yonpae (Professor)

BA Yonsei University, Economics, 1987

MBA Seoul National University, Business Administration, 1989

MPAcc Georgia State University, Accountancy, 1995

PhD University of Nebraska-Lincoln, Business with a specialization in Accountancy, 2002

Simmonds, David (Assistant Professor)

BS University of the West Indies, Electronics, 1992

MS University of the West Indies, Management Information Systems, 2000

PhD Old Dominion University, 2016

Biology

Adeniyi, Moses O. (Visiting Faculty)

BS University of Ilorin, Microbiology, 1989

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Johnson, Johnny A. (Assistant Professor)

BS Savannah State University, Biology, 2001

PhD Stony Brook University, Biophysics, 2007

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BS University of California, Davis, Botany, 1980

MA San Francisco State University, Ecology and Systematic Biology, 1983

PhD University of Tennessee, Knoxville, Botany, 1987

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BS Savannah State University, Environmental Science, 2001

Graduate Certificate Oklahoma State University, University Faculty Preparation, 2013

MS Andrews University, Mathematics & Physical Science, 2006

PhD Oklahoma State University, Environmental Science, 2013

Nitta, Takayuki (Associate Professor)

BS University of Tsukuba, Biological Sciences, 2001

MS University of Tsukuba, Medical Science, 2003

PhD University of Tsukuba, Biomolecular and Intergrated Medical Sciences, 2007

Purnell, Elissa T. (Professor)

BS Savannah State College, Biology, 1990

MS West Georgia College, Biology, 1992

PhD Medical University of South Carolina, Molecular and Cellular Biology and Pathobiology, 2001

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BS Savannah State University, Biology, 2001

PhD State University of New York at Stony Brook, Physiology and Biophysics, 2008

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BS Beijing Normal University, Biology, 1983

MS Institute of Botany, Chinese Academy of Sciences, Plant Physiology, 1986

PhD Virginia Tech, Crop and Soil Environmental Sciences, 1993

Business

Brown III, Ulysses J. (Professor)

BGS Valdosta State University, General Studies, 1995

MS Valdosta State University, Psychology, 1998

PhD Jackson State University, Business Administration/Management, 2003

Cannonier, Nicole N. (Assistant Professor)

BS University of Louisiana, Business Management, 2007

MPA Louisiana State University, Public Administration, 2010

PhD Louisiana State University, Human Resource & Leadership Development, 2014

Korovyakovskaya, Inessa Y. (Associate Professor)

BS Alcorn State University, Business Administration, 2002

MBA Alcorn State University, Business Administration, 2004

PhD Jackson State University, Management, 2014

Lundy, Baruch (Assistant Professor)

BA Dillard University, Accounting, 2003

MS Alabama State University, Accounting, 2004

PhD Jackson State University, Business Administration, 2015

Mullgrav, Shalonda K. (Associate Professor)

BBA Savannah State University, Marketing, 1994

MS Troy State University, Human Resource Management, 2001

PhD Kennesaw State University, Doctorate of Business Admin - Marketing, 2014

Ouandlous, Arav (Professor)

BS University of Algiers, Quantitative Economics, 1979

MBA The American University, International Business & Finance, 1981

MA The American University, Applied Economics, 1985

MA Catholic University of America, Economics, 1995

PhD Catholic University of America, Economics, 1995

Samms-Brown, Chevanese L. (Associate Professor)

AA Essex County College, Liberal Arts, 2001

AA Essex County College, Spanish, 2000

AS Essex County College, Business Administration, 2002

BS New Jersey Institute of Technology, Management, 2002

MBA New Jersey Institute of Technology, Management of Technology, 2005

MS New Jersey Institute of Technology, Management, 2003

PhD Louisiana State University, Human Resource Education, 2010

Toney, Susanne L. (Associate Professor and Department Chair)

BS Hampton University, Finance, 1989

MBA Clark Atlanta University, Finance, 2000

PhD Jackson State University, Business Administration, 2008

Wang, Guan Jun (Associate Professor)

BS Ningbo University, Mathematics, 1989

MS Zhejiang University, Probability Theory, 1993

PhD Syracuse University, Finance, 2007

Chemistry and Forensic Science

Baker, Jannie L. (Assistant Professor)

BS Savannah State University, Chemistry, 1966

MS Atlanta University, Chemistry, 1972

Binda, Pascal I. (Associate Professor)

BS University of Buea, chemistry, 2001

PhD University of North Dakota, Chemistry, 2008

Ekuase, Edugie J. (Assistant Professor)

BS Fort Valley State University, Biology, 2004

PhD University of Iowa, Pharmacy, 2011

Jenkins, Darkus (Assistant Professor)

BS Savannah State University, Chemistry, 2004

MS North Carolina A & T State University, Chemistry, 2007

PhD North Carolina A & T State University, Energy and Environmental Systems, 2012

Jones, Cecil L. (Professor)

BS University of Alabama at Birmingham (UAB), Chemistry, 1987

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BS Savannah State University, Chemistry, 1998

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Marriott, Karla-Sue C. (Professor and Interim Chair)

BS University of the West Indies (Mona), Biochemistry, 1996

PhD University of the West Indies (Mona), Chemistry, 2001

Postdoctoral Clemson University, Medicinal Chemistry, 2006

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BS University of Ilorin, Chemistry, 1987

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PhD Federal University of Technology, Akure, Chemistry, 2001

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BEng China University of Mining and Technology, Coal Chemical Engineering, 1994

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MS New Mexico Institute of Mining and Technology, Biology, 2006

PhD New Mexico Institute of Mining and Technology, Chemistry, 2006

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PhD Stockholm University, Physical Chemistry, 1996

Engineering Technology

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BS University of Arizona, Electrical Engineering, 1987

MS University of Arkansas, Mathematics, 1996

MS University of Arizona, Electrical Engineering, 1990

PhD University of Arkansas, Electrical Engineering, 1995

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PhD Mississippi State University, Electrical and Computer Engineering, 2014

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BS Southern University and Agricultural and Mechanical College, Electrical Engineering, 1981

MS Tuskegee University, Electrical Engineering, 1984

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MS Nova Southeastern University, Information Technology, 2010

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BS Khulna University of Engineering & Technology, Mechanical Engineering, 1999

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Jayaraman, Kuppuswamy (Professor)

BS Sri Venkateswara University, Civil Engineering, 1961

Doctor of Engineering (Doktor Ingenieur) Ernst Moritz Arndt University Greifswald, Environmental Engineering, 1972

MS University of Madras, Engineering, 1965

Kalu, Alex O. (Professor)

BA Alvan Ikoku College of Education, Mathematics/Physics, 1975

BS The University of Texas, Electrical Engineering, 1980

MS Louisiana Tech University, Engineering, 1982

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BS North Carolina A&T State University, Mechanical Engineering, 1985

MS Georgia Institute of Technology, Mechanical Engineering, 1993

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BS Lanzhou University, Nuclear Physics, 1982

MS University of South Carolina, Computer Science, 1990

MS Carnegie-Mellon University, Physics, 1984

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Merchan Alvarez, Lina P. (Assistant Professor)

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BS Wayne State University, Engineering, 1983

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Associate Degree (Computer Information System) Polk Community College, Computer Information System, 2000

BS University of Peradeniya, Agriculture (Soil Science), 1982

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PhD Louisiana State University, Agronomy, 1994

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BS N.E.D Engineering University, Electronics Engineering, 1980

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BA Sichuan University, Chinese Language and Literature, 1990
MA The Ohio State University, East Asian Languages and Literatures, 2003
MA Peking University, Comparative Literature, 1996
PhD University of California, Irvine, East Asian Languages and Literatures, 2010

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BA Baruch College, English Literature, 2002
MA Brooklyn College, English, 2007
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BA Mercer University, English, 2004
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BA Appalachian State University, English, 2002
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BA University of Wisconsin-Green Bay, English and Humanistic Studies, 1996
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BA Towson University, Spanish, 1979
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BA Spelman College, English, 2004

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BA Marist College, Spanish, 1979

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BA Middlebury College, English, 1974

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BS University of Arkansas at Pine Bluff, Art, 1969

MA Holy Names University, Education, 1987

MFA University of Arkansas, Visual Arts, 1971

PhD Union Institute and Universities, Administration, 1986

Postdoctoral Chapman University, Education, 1995

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BA University of Maryland Baltimore County, Interdisciplinary Studies, 2001

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Cohen, Michael (Instructor)

BS Armstrong Atlantic State University, Physical Education, 1983

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BM Georgia Southern University, Performance, 1997

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BS The University of Texas at Austin, Secondary English, 1990

MA Pepperdine University, Educational Technology, 2008

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BA Purchase College State University of New York, Drama Studies, 2004

MFA Goddard College, Interdisciplinary Arts, 2010

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BFA University at Buffalo, The State University of New York, Fine Arts, 2003

MEd Lesley University, Creative Arts, 2005

MFA State University of New York College at Brockport, Visual Studies, 2007

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BS Indiana University of Pennsylvania, Media Communications, 2002

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AA Pensacola Junior College, Theatre, 1999

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BA Georgia Southern University, Communication Arts, 2004

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BS Alabama A&M University, Music Education, 1997

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BS Ball State University, History and Philosophy, 1995

Graduate Certificate University of Oregon, Women's Studies, 2002

MA University of Oregon, Philosophy, 2005

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International Education

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Journalism and Mass Communications

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BS Ball State University, Journalism, 2007

MA Ball State University, Digital Storytelling, 2010

Trammel, Juliana Maria D. S. (Professor and Interim Chair)

BA Rust College, Mass Communication, 2001

Graduate Certificate Howard University, International Studies, 2006

MA American University, Public Communication, 2003

PhD Howard University, Communication and Culture, 2006

Walker, Kai C. (Assistant Professor)

BS Eastern Michigan University, Telecommunication and Film, 1998

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Library

Brannen, Ivy Y. (Instructor)

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MS University Of Northern Texas, Library Science, 2011

Morgan, Patrick (Instructor)

BA University of Michigan, 2000

MA University of Michigan, Near Eastern Studies, 2001

MLIS Drexel University, Library and Information Science, 2009

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BA Barber-Scotia College, English, 1968

MS Clark Atlanta University (formerly Atlanta University), Library Service, 1969

Marine and Environmental Sciences

Cox, Tara M. (Professor)

BS Davidson College, Biology, 1993

Master's of Environmental Management Duke University, Coastal Environmental Management, 1996

PhD Duke University, Ecology, 2003

Curran, Mary C. (Professor)

BS University of South Carolina, Marine Science, 1984

PhD Joint Program of Massachusetts Institute of Technology and the Woods Hole Oceanographic Institution, Biological Oceanography, 1993

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BS Savannah State University, Marine Biology, 1998

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PhD University of Miami, Marine Biology and Fisheries, 2013

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BS Savannah State University, Marine Science, 1998

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PhD University of Miami, Marine Biology and Fisheries, 2010

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BS Rose-Hulman Institute of Technology, Chemical Engineering, 1995

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PhD University of South Carolina, Marine Sciences, 2004

Hoskins-Brown, Dionne L. (Associate Professor)

BS Savannah State College, Marine Biology, 1992

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Pride, Carol J. (Professor and Chair)

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Sajwan, Kenneth S. (Professor)

BS G. B. Pant University of Agriculture and Technology (formerly Uttar Pradesh Agricultural University), Agriculture and Animal Husbandry, 1971

MS Jawaharlal Nehru Agricultural University, Agronomy, 1975

PhD Colorado State University, Agronomy, 1985

Mathematics

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MA The State University of New York at Buffalo, Mathematics, 2010

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BS Savannah State University, Mathematics, 2003

Chowdhury, Abhinandan (Assistant Professor)

MS University of Louisiana, Mathematics, 2005

PhD University of Louisiana, Mathematics, 2010

Dolo, Samuel L. (Professor)

BS Savannah State University, Mathematics, 1996

MS The University of Mississippi, Mathematics, 2002

PhD The University of Mississippi, Mathematics, 2006

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BS Chungnam National University, Mathematics, 1994

In Progress/Incomplete Georgia Southern University, Public Health, 2013

MS The University of Iowa, Mathematics, 2004

MS Chungnam National University, Pure Mathematics, 1997

PhD The University of Iowa, Applied Mathematical and Computational Sciences, 2008

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BS Addis Ababa University, Mathematics Education, 1978

MA Kent State University, Pure Mathematics, 1993

MS Addis Ababa University, Applied Mathematics, 1982

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BS National Taiwan Normal University, Mathematics, 1973

MS Pittsburg State University, Mathematics, 1982

PhD University of Kansas, Mathematics, 1991

Muche, Tilahun A. (Associate Professor)

MA University of South Florida, Math, 2007

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BS Chungnam National University, Mathematics, 1995

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MS University of Iowa, Applied Mathematics, 2003

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PhD University of Iowa, Applied Mathematics and Computational Sciences, 2005

Ramirez Valdez, Diego (Assistant Professor)

MS University of Louisiana at Lafayette, Mathematics, 2008

PhD University of Louisiana at Lafayette, Mathematics, 2012

Tanksley, LaTriece Y. (Assistant Professor)

BS Savannah State University, Mathematics, 2000

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Tekalign, Wondimu (Assistant Professor)

PhD University at Buffalo - The State University of New York, Mathematics, 2005

Tessema, George (Associate Professor)

MS Florida State University, Mathematics Education, 1971

PhD The University at Albany: State University of New York, Educational Psychology, 1991

Villanueva, Alfredo (Assistant Professor)

MS University of Puerto Rico, Mathematics, 2000

PhD The University of Iowa, Mathematics, 2007

Military Science

Montgomery, Brian (Professor)

BS United States Military Academy (West Point), Economics, 2004

MA New York University, Industrial/Organizational Psychology, 2013

Walker, Abby (Assistant Professor)

BS University of Nebraska- Lincoln, Diversified Agriculture, 2005

West, Larry (Assistant Professor)

BA Jacksonville State University, History, 2007

MA Webster University, International Relations, 2017

Vazquez, Emilio (Instructor)

BS Phoenix University, Education, 2009

Sergeant Major Academy, Military History, 2016

Naval Science

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BEng S.U.N.Y. Maritime College, Electrical Engineering Deck, 1999

MA Naval War College, 2012

Estabrook, Kris E. (Assistant Professor)

BS United States Naval Academy, Ocean Engineering, 2011

Falgout, Chad M. (Professor)

BS Louisiana State University and A&M College, Math, 1996

MBA Naval Postgraduate School, Executive Master of Business Administration, 2004

Hillman, Ryan (Lecturer)

BA History, 2010

Sweeney, Andrew (Lecturer)

BA College of the Holy Cross, Physics, 2013

Weise, Imir M. (Assistant Professor)

BA History, 2010

Political Science & Public Affairs

Bongang, Benn L. (Professor)

MA University of South Carolina, International Studies, 1997

MS Boston University, Journalism, 1993

PhD University of South Carolina, International Studies, 2005

Bowden, Geoffrey C. (Instructor)

BA The University of Tennessee, Knoxville, Religious Studies, 1992

MA University of Notre Dame, Social Sciences, 2000

MDiv The Southern Baptist Theological Seminary, 1995

PhD University of Notre Dame, Social Science, 2003

Hollis, Meldon S. (Visiting Faculty)

BA University of Maryland, Government and Politics, 1971

JD Harvard Law School, 1977

MA University of Maryland, Government and Politics, 1974

MPA Harvard University, Public Administration, 1986

West Point United States Military Academy, 1968

Iancu, Otilia (Associate Professor and Interim Chair)

MPA University of Kansas, Public Administration, 1999

PhD University of Arkansas, Public Policy, 2010

Jordan, Gwendolyn J. (Lecturer)

BA Ohio Wesleyan University, Sociology, 1976

MPA Harvard University, Public Administration, 1996U

Kalantari, Behrooz (Professor)

BA Avila University, Public Management, 1981

BA Tehran Business College, Business, 1973

In Progress/Incomplete University of Dallas, Business Administration, 1977

MPA Southern Illinois University, Public Affairs, 1983

PhD Southern Illinois University, Political Science, 1992

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BA George Peabody College, Political Science, 1969

MPA Middle Tennessee State University, Public Administration, 1972

PhD The University of Tennessee, Political Science, 1979

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MBA University of Mary, Management, 2007

PhD North Dakota State University, Emergency Management, 2015

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BA University of Nairobi, 1997

MA University of Nairobi, Valuation and Property Management, 2001

PhD Kansas State University, College of Architecture, Planning & Design, 2015

College of Education

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BS Valdosta State University, Biology, 2006

EDD Liberty University, Curriculum and Instruction, 2016

EdS Liberty University, Curriculum and Instruction, 2012

MA Augusta University, MAT, 2010

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PhD The Pennsylvania State University, Workforce Education, 2005

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BS Bloomsburg State College, Early Childhood Education, 1977

EDD Temple University, Educational Administration, 2000

MS University of Scranton, Reading, 1985

Thompson, Cora (Associate Professor & Interim Chair)

EDD Nova Southeastern University, Education, 2007

MEd Troy State University, 2003

Social Work

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BS Northwestern State University, Psychology, 1995

MSW Southern University, Social Work, 1999

PhD Tulane University, Social Work, 2007

Attipoe, Hope (Assistant Professor)

PhD University of Georgia, Adult Education, 2016

M.Ed University of Georgia, 2012

MSW University of Georgia, 2008

Deloach, Roenia J. (Associate Professor)

BSW Jackson State University, Social Work, 1988

MSW Ohio State University, Social Work, 1989

PhD The Ohio State University, Social Work, 2002

Gayle, Catherine (Associate Professor and Chair)

BS Tuskegee Institute, Social Work, 1984MSW Florida State University, (Advanced Standing), 1985

PhD Clark Atlanta, 2003

Licensed Clinical Social Worker

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BSW University of Mumbai College of Social Work (formerly University of Bombay), Social Work, 1981

DSW Tulane University, Social Work, 1992

MSW University of Mumbai College of Social Work (formerly University of Bombay), Social Work, 1983

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BSW South Carolina State University, Social Welfare, 1983

Graduate Certificate University of Georgia, Gerontology, 2007

MSW University of South Carolina, Social Work, 1990

PhD Clark Atlanta University, Social Work, 2007

Social and Behavioral Sciences

Adams, Matthew (Assistant Professor)

BA College of Charleston, English, 2000

MA Armstrong Atlantic State University, History, 2005

PhD Jagiellonian University, History, 2015

Alexander, Stephanie L. (Associate Professor)

BA University of Oklahoma, Sociology, 1997

MA The University of Oklahoma, Human Relations, 1999

PhD The University of Oklahoma, Sociology, 2007

Brooks Jr, Willie M. (Assistant Professor)

BS Alabama State University, Criminal Justice, 1996

MS Eastern Kentucky University, Criminal Justice, 1999

PhD-ABD Prairie View A & M University, Juvenile Justice, 2008

Cole, Lakesha (Assistant Professor)

BA The University of Southern Mississippi, Criminal Justice, 2001

Doctorate of Professional Counseling Professional Counseling, 2014

MS Mississippi College, Marriage & Family Counseling, 2011

MS Delta State University, Criminal Justice, 2006

Frame, Kimberly (Assistant Professor)

BS University of Florida, Psychology, 2000

EDD The University of Memphis, Instr and Curr Leadership, 2014

MS University of North Texas, Behavior Analysis, 2005

Jordan, Kenneth A. (Professor)

BA North Carolina College at Durham, Geography, 1969

MA University of California, Berkeley, Geography, 1974

PhD University of California, Berkeley, Geography, 1977

McFall Sametria R. (Assistant Professor and Assistant Dean)

BS Savannah State University, Biology, 1993

MPA Savannah State University, Public Administration, 2000

MA Northeastern University, Psychology, 2003

PhD Northeastern University, Psychology, 2005

Mukhtar, Mohamed H. (Professor)

BA Al-Azhar University, History, 1971

MA Al-Azhar University, History and Civilization, 1974

PhD Al-Azhar University, History and Civilization, 1983

Rivera, Pedro R. (Associate Professor and Interim Chair)

BA The City College of New York, African History, 2005

PhD Howard University, African Diaspora, History, 2012

Serdikoff, Sherry L. (Associate Professor)

BA Temple University, Psychology, 1986

MA West Virginia University, Psychology, 1989

PhD West Virginia University, 1991

Stewart, Katherine L. (Associate Professor)

BA University of North Carolina, Psychology, 1996

MA University of North Carolina Wilmington, Psychology, 1999

PhD University of Kansas, Behavioral Psychology, 2005

Yagami, Kazuo (Associate Professor)

MA Florida State University, Asian Studies, 1996

PhD Florida State University, History, 2002



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|---------------------------|--|------------------------------|---|
| 1. Adams Hall | 14. Harris Hall | 26. Morgan Annex | 39. Tiger Place |
| 2. A. H. Gordon Library | 15. Harris-McDew Health Clinic | 27. Morgan Hall | 40. Richard R. Wright Sr. Hall |
| 3. Bostic Hall | 16. Herty Hall | 28. McGlockton Building | 41. University Commons |
| 4. Bowen-Smith Hall | 17. Hill Hall | 29. Pavilion | 42. University Village |
| 5. Camilla Hubert Hall | 18. Hodge Hall | 30. Payne Hall | 43. Whiting Hall |
| 6. Colston Administration | 19. Hubert Science & Technology
A, B, D | 31. Powell Hall | 44. Willcox-Wiley |
| 7. Drew-Griffith Building | 20. Hubert Science & Tech C | 32. Recreation park | 45. T. A. Wright Stadium |
| 8. Evers Physical Plant | 21. Jordan Building | 33. Social Sciences Building | 46. Marine Sciences Building
(Livingston Avenue) |
| 9. Felix Alexis Circle | 22. Kennedy Fine Arts Building | 34. Sports Field Complex | 47. Science & Tech Building |
| 10. Foundation House | 23. King-Frazier Student Center | 35. Student Union | 48. Jasmine Building |
| 11. Freshman Center | 24. Main campus entrance | 36. Tiger Arena | |
| 12. Gardner Hall | 25. Marine Biology Building | 37. Tiger Court | |
| 13. Hammond Hall | | 38. Tiger Express | |

Map Color Key

Savannah State University

SERIOUSLY IMPRESSIVE

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|---|---|
| ● Residence Halls | ● College of Business Administration |
| ● University Services | ● College of Liberal Arts |
| ● Administration | ● College of Science and Technology |
| ● Athletics and Recreational | |