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 14congressional 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 PresidentInterim Provost & Vice President for Academic AffairsKimberly Ballard-WashingtonReginald D. LeseaneB.A., University of GeorgiaB.B.A., Savannah State UniversityJ.D., Texas Southern UniversityM.B.A Georgia Southern UniversityVice President for Student AffairsVice President of Enrollment ManagementF. Carl WaltonVacantB.A., Morris Brown CollegeVice President for UniversityM.A., Purdue UniversityVice President for University AdvancementPh.D., Purdue UniversityPhillip D. AdamsB.A., Clark Atlanta UniversityB.A., Saint Leo UniversityM.B.A., Savannah State UniversityM.S., Golden Gate UniversityM.A., Savannah State UniversityM.S., Golden Gate UniversityM.A., Savannah State UniversityM.S., Golden Gate UniversityM.A., Savannah State UniversityBermard Fitzgerald MosesB.B.A., Savannah State UniversityBermard Fitzgerald MosesB.B.A., Savannah State UniversityM.S., Webster UniversityM.A., Webster UniversityM.S., Webster UniversityM.A., Webster UniversityM.S., Webster UniversityM.A., Webster UniversityM.S., Webster UniversityChief Information OfficerChief Human Resources OfficerVacantDirector of AthleticsVacantDirector of AthleticsVacantDirector of AthleticsM.A., Webster UniversityB.A., Bak Walden UniversityChief Audit OfficerDirector of AthleticsVacantDirector of AthleticsMagned LuiversityB.A., Bet		
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	B.A, Georgia State University	B.S. Tennessee State University
M.P.A., Albany State University J.D., Emory University College of Law	M.P.A., Albany 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 <u>www.sacscoc.org</u> 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

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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 <u>CoastalGeorgiaCenter@Savannahstate.edu</u>.

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 fundeded 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 **Oueens** 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 (<u>GAFutures.org</u>). 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 asealed 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. Freshmen 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 or CPC units when the preliminary evaluation is processed for admissions.

Units	Instructional Emphasis/Courses
English (4)	Literature (American and World) integrated with grammar, usage and advanced composition skills.
Science (4)	Science units should include two courses with a laboratory component. GA public high school students should have at least one unit of Biology; one unit of Physical Science or Physics; one unit of Chemistry, 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 or CPC English.

Limited admit applicants graduating with fewer than the four required units of English are required to take the reading and writing section of the ACCUPLACER. Based upon the score earned, students will either be exempt from or required to enroll in the appropriate learning support course. 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 <u>each</u> <u>subsequent semester</u> 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 ACCPLACER 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 our use a Parental Agreement form from your high school signed by the guidance counselor and parent.

International Students

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

Students from a country other than the United States who are interested in attending Savannah State University should write to the Office of Admissions, Savannah State University, Savannah, Georgia 31404, USA, and submit a completed application. Applications must be submitted at least ninety days prior to the beginning of the anticipated semester of enrollment.

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

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

Applicants must provide evidence of English language proficiency through the TOEFL. Language school records and scores from all tests must be sent to the Office of Admissions. The minimum acceptable TOEFL on the paper version is 530 the score on the computerized version is 225. A score of 69 is the minimum for the Internet based exam. Freshman applicants must also sit for the SAT.

Applicants may be required to take the 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 uploaded within the <u>savannahstate.verifymyfafsa.com</u> 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 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 receive Zell Miller 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 <u>www.savannahstate.edu</u>.

For more information, contact the Office of Financial Aid at (912) 358-4162 or <u>finaid@savannahstate.edu</u>. 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 <u>www.gafutures.org</u>). 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 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 GPA for financial aid 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 now 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 be 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 <u>https://savannahstate.verifymyfafsa.com</u>. 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 tame 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 Suspension, that does not excuse a student from the Financial Aid Suspension, nor does it exempt a student from appealing in a timely manner.

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	4 Credit	5 or more Credit
	Hours	Hours	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 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.

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
Ι	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 <u>after</u> 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 <u>no</u> obligation to acknowledge the adjusted GPA. The receiving institution is expected to recognize <u>only</u> 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 <u>cannot</u> 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.
 - o Students who are transferred to Georgia by an employer are not subject to the durational residency requirement.
- No emancipated minor or other person 18 years of age or older shall be deemed to have gained or acquired in-state status for tuition purposes while attending any educational institution in this state, in the absence of a clear demonstration that he or she has in fact established legal residence in this state.
- If a parent or legal guardian of a student changes his or her legal residence to another state following a period of legal residence in Georgia, the student may retain his or her classification as an in-state student as long as he or she remains continuously enrolled in the University System of Georgia, regardless of the status of his or her parent or legal guardian.
- In the event that a legal resident of Georgia is appointed by a court as guardian of a nonresident minor, such minor will be permitted to register as an in-state student providing the guardian can provide proof that he or she has been a resident of Georgia for the period of 12 months immediately preceding the date of the court appointment.
- Immigrants shall be classified as nonresident students, provided, however, that an immigrant who is living in this country under an immigration document permitting indefinite or permanent residence shall have the same privilege of qualifying for in-state tuition as a citizen of the United States.

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

- Academic Common Market. Students selected to participate in a program offered through the Academic Common Market.
- University System Employees and Dependents. Full-time employees of the University System, their spouses, and their dependent children;
- Full-Time School Employees. Full-time employees in the public schools of Georgia or of the Department of Technical and Adult Education, their spouses, and their dependent children. Teachers employed full-time on military bases in Georgia shall also qualify for this waiver (BOR Minutes, 1988-89, p. 43);
- Career Consular Officials. Career consular officers, their spouses, and their dependent children who are citizens of the foreign nation that their consular office represents and who are stationed and living in Georgia under orders of their respective governments.
- Any Veteran, to include spouse and dependent child, excepting those assigned as students to USG System Institutions for educational purposes such as the "*Army Green to Gold Program*" who within 36 months of the military member leaving service is admitted to any USG College or University, is eligible to have Out of State tuition waived. The waiver continues as long as the student remains continuously enrolled (two consecutive semesters each year); for students utilizing VA benefits, the window is further expanded in order to improve access and affordability during transition. While the Choice Act of 2014 stipulates instate 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 <u>no later than 60 working days prior to registration</u> 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
А	Excellent	4
В	Good	3
С	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
Ι	Incomplete*	0
Р	Passing*	0
S	Satisfactory*	0
U	Unsatisfactory*	0
IP	In Progress*	0
V	Audit*	0
Κ	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 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	00	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.

 \cdot 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.

 \cdot All students must demonstrate knowledge of the history and constitutions of the United States and of Georgia. Students who did not earned 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 earned 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.

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 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 (nonlawyer) 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: <u>https://ecore.usg.edu/</u>.

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 specificied by a specific major. Students must earn an overall institutional GPA of 2.0 to graduate.

Core Curriculum –				
Area A – Essential Skills				
AREA A1: Communication Skills				
ENGL 1101 Composition I 31	hrs			
ENGL 1102 Composition II 31	hrs			
AREA A2: Quantitative Skills				
Select one of the following:				
MATH 1001 Quantitative Reasoning 31	hrs			
	hrs			
	hrs			
MATH 2101 Calculus I 41	hrs			
	hrs			
	hrs			
HUMN 1201 Critical Thinking & Communication 3	hrs			
Area C_ – Humanities/Fine Arts, and Ethics 6	hrs			
Select one of the following:				
	hrs			
1 2	hrs			
	hrs			
Select one of the following:				
	hrs			
11	hrs			
	hrs			
Area D_ – Natural Sciences, Math & Technology 10 l	hrs			
Option I – Non-Science Majors				
Select two of the following:				
	hrs			
65	hrs			
C;	hrs			
	hrs			
	hrs			
*	hrs			
	hrs			
FSCI 1101 Intro to Molecular Forensic Science 3 I	hrs			
6	hrs			
Select one of the following lab sciences:				
e.	hrs			
	hrs			
•	hrs			
e	hrs			
MSCI 1501K Intro to Marine Biology 41	hrs			

PHSC 1011K	Physical Science I	4 hrs
PHYS 1111K	Introductory Physics I	4 hrs
Option II – Scie	nce 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 1107/1107	L Principles of Biology I	4 hrs
BIOL 1108/1108	L Principles of Biology II	4 hrs
CHEM 1211/121		4 hrs
CHEM 1212/121	2L 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
<u>Area E_ – Socia</u>	l Science	12 hrs
POLS 1101	American Government	3 hrs
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

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: November2010

<u>Undergraduate Academic Degree Programs, Minors and</u> <u>Certificates</u>

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

U	
The following "	Guiding Values" were formulated as part of COBA's strategic planning process and adopted by COBA faculty members:
Integrity	We believe that students' academic performance rises with high faculty expectations and mentoring.
Diversity	We believe that the college's increasingly diverse learning environment is beneficial to the future of our students.
Accountability	We believe that applied experiences enhance student responsibility and personal growth.
Respect	We believe that integration and reinforcement of ethical and leadership values are essential throughout the students'
	COBA experience.
Excellence	We believe that mastery of business, communication, and interpersonal skills is critical to developing professional and
	successful students.

Accreditation

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

Academic Counseling

Students are advised by the Center for 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.

	D, E, and additional requirements	42 hrs		
	<u>30 Required in Core Area D</u>			
<u>ECON 2105 Re</u>	equired in Core Area E			
<u>Area F - Busin</u>	ess Core	<u>18 hrs</u>		
BUSA 1103	Intro to Business and Leadership	3 hrs		
ACCT 2101	Principles of Financial Accounting	3 hrs		
ACCT 2102	Principles of Managerial Accountin	ng 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	d 2102			

Area G - Found	ation 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: Manageme	ent Majors must make a grade of " C	" or
better in MGNT.	3165	
MKTG 3175	Principles of Marketing	3 hrs
	Majors must make a grade of "C" o	r better
in MKTG 3175		
MGNT 3185	Operations Management	3 hrs
BUSA 4126	Business Policy	3 hrs*
General Elective	(Choose one 2000/3000/4000 course	e from
the following:		
ACCT, BUSA, C	CISM, FINC, GLIB, MGNT, MKTG) 3 hrs
Note: GLIB majo	ors must take GLIB 2109 instead of C	General
Elective		

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

Area of Specialization - Choose one of the following 27 ms						
Accounting		<u>27 hrs</u>	Computer In	<u>nformatio</u>	on Systems	<u>27 hrs</u>
The following co	ourses are required of all Accounting	majors	The following	g courses	are required of all CIS majors	21 hrs
21 hrs*			CISM 3137	Systems	Analysis & Design	3 hrs*
ACCT 3111	Intermediate Financial Acc I	3 hrs*	CISM 3140	Intro to	Programming: Visual Basic	3 hrs*
ACCT 3112	Intermediate Financial Acc II	3 hrs*	CISM 3232	Web Ap	plication Development	3 hrs*
ACCT 3113	Federal Income Tax of Individuals	3 hrs*	CISM 3325	Data Co	mm. & Computer Networks	3 hrs*
ACCT 3115	Cost/Managerial Accounting	3 hrs*	CISM 4137	Databas	e Design & Implementation	3 hrs*
ACCT 3117	Accounting Information Systems	3 hrs*	CISM 4900	Occupat	ional Internship	3 hrs*
ACCT 4111	Intermediate Financial Acc. III	3 hrs*	Choose two (2) from o	ne of the following tracks:	
ACCT 4117	Auditing	3 hrs*	6 hr	s		
Choose one (1)	from the following:		Choose two f	or Analyt	ics Track:	6 hrs
ACCT 4116	Accounting for Not-for-Profit Inst.	3 hrs*	CISM/DATA	A 3109*	Intro to Data & Mining	3 hrs*
ACCT 4118	Advanced Managerial Accounting	3 hrs*	CISM/DATA	A 3010*	Business Intelligence	3 hrs*
BUSA 4229	Administrative Practice & Intern	3 hrs*	CISM/DATA	A 3111*	Applied Statistics	3 hrs*
BUSA 4999 or			GLIB 3196		Supply Chain Analytics	3 hrs*
STAB 4101	Study Abroad	3 hrs*	Choose two f	for Compi	iter Information Systems Track	k: 6 hrs
Free Elective - A	All majors	3 hrs	BUSA 4999/	STAB 41	01* 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 Logistic	s and International Business 27	7 hrs		
The following co	ourses 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			
GLIB 4194	International Trade Theory & Policy			
MGNT 4168	International Business Management	3 hrs*		
Select either And	lytics Focus or Marketing Focus	6hrs		
Analytics Focus	(Choose any Two):	6 hrs		
CISM/DATA 31	09 Intro to Data & Mining	3 hrs*		
CISM/DATA 30	•	3 hrs*		
CISM/DATA 31		3 hrs*		
Marketing Focus		6 hrs		
MKTG 3179	Global Electronic Business	3 hrs*		
MKTG 4179	International Mkg & Export Man.	3 hrs*		
Free Elective - A		3 hrs		
Management	5	27 hrs		
The following co	ourses are required of all Management	majors		
15 hrs		U		
MGNT 3196	Entrep & Small Business Mgnt	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				
	3000/4000 MGNT course	3 hrs*		
	000/4000 business courses from the fo	llowing:		
MGNT 4166, 41	69, 4170, 4204, 4221, 4800	6 hrs*		
<u> Free Elective - A</u>	Il majors	3 hrs		
Management O	nline	<u>27 hrs</u>		
	ourses are required of all Management	majors		
12 hrs				
MGNT 3196	Entrepr & Small Business Mgnt	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: MKTG	ACCT, BUSA, CISM, GLIB, MGNT	,		
Free Elective - A	Il majors	3 hrs		
	u majors	5 1113		

Marketing		27 hrs
The following	courses are required of all Marketing	g 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 Entreprenurship	3 hrs*
BUSA 4999/S	TAB 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 Marketin	ng 3 hrs*
GLIB 4194	International Trade Theory & Pol	licy 3 hrs*
BUSA 4229	Business Internship	3 hrs
Choose one (1) of the following:	3 hrs*
MKTG 3176,	3178, 3179, 3186, 4175 or 4176; MG	NT 4204;
BUSA 4229; H	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.

	ioi courses must be passed with a minin	U
	<u> Ainor (Business Majors)</u>	<u>15 hrs</u>
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: (Ch	oose two)	
ACCT 3113	Federal Income Taxation of Individua	ıls 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: (Ch	oose 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*
Entrepreneu	rship 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: (Ch	oose 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
GIODAI LOSISUCS	& International	Dusiness Millor

Global Logis	ucs & international dusiness minor	
(Business Ma	ljors)	<u>15 hrs</u>
Electives: (Ch	oose five)	
GLIB 2109	Intro to Global Logistics, Transportaio	on 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 Researc	h 3 hrs*
Management	Minor (Business Majors)	15 hrs
Required:		
BUSA 2106	The Environment of Business	3 hrs*
Electives: (Ch	oose four)	
MGNT 3196	Entrep and Small Business Mgnt	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 M	linor (Business Majors)	15 hrs
	mor (Dusiness majors)	IC III D
Required:	(Business Mujors)	<u>10 m s</u>
<u>Required:</u> BUSA 2106	The Environment of Business	3 hrs*
BUSA 2106	The Environment of Business	3 hrs*
BUSA 2106 MKTG 3176	The Environment of Business Professional Selling	3 hrs* 3 hrs*
BUSA 2106 MKTG 3176 MKTG 3178	The Environment of Business Professional Selling Consumer Behavior	3 hrs* 3 hrs* 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

	hours. All minor cou	
	Iinor (non-Business Majors)	<u>15 hrs</u>
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: (Ch		
ACCT 3113	Federal Income Taxation of Individua	ls 3 hrs*
ACCT 3115	Cost/Managerial Accounting	3 hrs*
ACCT 3117	Accounting Information Systems	3 hrs*
Business Min	or (non-Business Majors)	<u>15 hrs</u>
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 Int	formation Systems Minor	
(Non-Bus Ma	jors)	15 hrs
Required:		
CISM 2130	Business Information System	3 hrs*
CISM 137	System Analysis and Design	3 hrs*
Electives: (Ch	oose 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*
Entrepreneur	ship Minor (Non-Business Majors)	15 hrs
Option 1 Requ	iired:	
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: (Ch	oose one)	
MGNT 3196	Entrep and Small Business Mngt	3 hrs*
MGNT 4240	International Entrepreneurship	3 hrs*
MGNT 4250	Franchise Management	3 hrs*
Option 2 Requ	ired:	
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*

	5 hrs
Required:	
MGNT 3165 Management of Organizations 3	hrs*
Electives: (Choose Four Courses)	
GLIB 2109 Intro to Global Logistics, Transportation	n and
	hrs*
GLIB 3197 Global Business Logistics 3	hrs*
GLIB 4190 International Transportation and	
Carrier Management 3	hrs*
GLIB 4192 International Strategic Management 3	hrs*
	hrs*
BUSA 4999 Study Abroad Special Topics or	
STAB 4101 Individual Study Independent Research	3 hrs*
Management Minor (Non-Business Majors) 1	5 hrs
Required:	
BUSA 2106 The Environment of Business 3	hrs*
MGNT 3165 Management of Organizations 3	hrs*
Electives: (Choose three)	
	hrs*
Marketing Minor (Non-Business Majors) 1	<u>5 hrs</u>
Required:	
	hrs*
1 0	hrs*
Electives: (Choose three)	
ε	hrs*
	hrs*
6	hrs*
MKTG 4175 Advertising and Promotion 3	hrs*

Data Analytic Certficate

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 Certificat	e 18	<u>hrs</u>
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) Electiv	<i>es</i>	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 & Log	gistics 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 System	ns 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

Program of Stud		-	
Associate of Art		ulum –	
<u>Area A_ – Esser</u>			<u>9 hrs</u>
*AREA A1: Com	nunication Skil	ls	
ENGL 1101	Composition I		3 hrs
ENGL 1102	Composition I	I	3 hrs
*AREA A2: Quar	titative Skills		
Select one of the	following:		
MATH 1001	Quantitative R	easoning	3 hrs
MATH 1111	College Algeb	ra	3 hrs
MATH 1113	Pre-Calculus		3 hrs
MATH 2101	Calculus I		4 hrs
<u>Area B – Institu</u>	tional Options		<u>5 hrs</u>
AFRS 1501		can-Amer Experienc	
HUMN 1201		ing & Communicatio	
Area C – Hum		-	6 hrs
Select one of the		toj una Limito	0 1115
ENGL 2111	World Literatu	ire I	3 hrs
ENGL 2112	World Literatu		3 hrs
ENGL 2121	British Literatu		3 hrs
ENGL 2122	British Literatu		3 hrs
ENGL 2122 ENGL 2131	American Lite		3 hrs
ENGL 2131 ENGL 2132	American Lite		3 hrs
ENGL 2132 ENGL 2222	African Ameri		3 hrs
PHIL 2010	Introduction to		3 hrs
PHIL 2010 PHIL 2030	Introduction to		3 hrs
Select one of the		Eulies	5 1115
ARTS 1101	Introduction to	Vienal Art	3 hrs
DNCE 2010			3 hrs
	Dance Apprec		
ENGL 2521	Introduction to) Film	3 hrs
HUMN 2011	Humanities		3 hrs
MUSC 1101	Introduction to		3 hrs
THEA 2101	Introduction to		3 hrs
		ath & Technology	<u>l0 hrs</u>
Option I – Non-		5	
Select two of the	0		
ASTR 1000	Introduction to		3 hrs
BIOL 1103	General Biolog		3 hrs
BIOL 1104	Human Biolog		3 hrs
CISM 1130	Computer App		3 hrs
CSCI 1130	Computer App		3 hrs
CSCI 1301	Computer Scie	ence I	3 hrs
ENVS 1140	Environmental		3 hrs
FSCI 1101	Intro to Molec	ular Forensic Science	
ISCI 1101	Integrated Scie	ence I	3 hrs
Select one of the	following lab so	ciences:	
BIOL 1103/1103	L Gene	ral Biology/Lab	4 hrs
BIOL 1104/1104		an Biology/Lab	4 hrs
CHEM 1101K		luction to Chemistry	4 hrs
ISCI 1111K		ated Science II	4 hrs
MSCI 1501K	0	to Marine Biology	4 hrs
PHSC 1011K		cal Science I	4 hrs
DUVS 1111K	•	luctory Physics I	1 hrs

Introductory Physics I

4 hrs

PHYS 1111K

Amon E Son	ial Saianaa	12 hm
Area E – Soc		<u>12 hrs</u>
POLS 1101	American Government	3 hrs
Select one of th	ne 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 th	ne 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 - Elect	ives	<u>18 hrs</u>
Select 18 hours	s of general electives at the 1000 or 20	00 level

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 2019or 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 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	<u>60 hrs</u>
ENGL Required		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 Britis	sh Literature	3 hrs
Select from the f		
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 Amer	rican Literature	3 hrs
Select from the f	following	
ENGL 3310	American Lit Contact/Colonial	
ENGL 3311	American Literature Rev to Civil V	Var
ENGL 3312	Realism and Modernism in Am Lit	t
ENGL 3313	Postmodern American Literature	
ENGL 3331	American Novel	
ENGL 3332	American Short Story	
ENGL 3335	American Poetry	
ENGL 3339	American Drama	
3000-level Afric	an American Literature	3 hrs
Select from the f		
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 Wor	ld/Global Literature	3 hrs
Select from the		
ENGL 3121	The Bible as Literature	
ENGL 3122	Intro to New Testament and Apoc	rypha
ENGL 3515	World Drama	71
ENGL 3531	World Novel	
ENGL 3535	World Poetry	
ENGL 3538	World Nonfiction	
3000-level Writ	ting Course	3 hrs
Select from the	-	
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, Marl	keting
ENGL 3620	Introduction to Digital Storytellin	
4000-level Elec		3 hrs
Select from the	-	
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 4401-44	10 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 Pres	s
Production		
ENGL Major E		12 hrs
	4000-level courses not required else	
	ional Coursework	15 hrs
	at or above 3000-level)	
Open Electives		<u>6 hrs</u>
TOTAL122 h	<u>ours</u>	

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 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 choicess 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. I	D, E, and additional requirements	42 hrs
Area F	b, E, and additional requirements	<u>18 hrs</u>
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
	e i	$\frac{5 \text{ ms}}{6 \text{ hrs}}$
Foreign Langua		3 hrs
Foreign Languag		3 hrs
Foreign Languag		27 hrs
Dance Core Core DNCE 1000		
DIVCE 1000	Dance Forum (7 semesters) corequired with technique: DNCE 2661, 2501	
	3600, 3503, 3400, 3401, 4504, 450	
HEDU 2101	4601 Starstand Kingsisler	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
•	the following history courses:	
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
	ie & 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
Select one of the	following:	
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 Ar	e	6 hrs
	55, 3850, 3855, 4850, 4855	
Performance En		6 hrs
VaPA Electives		<u>3 hrs</u>
Any VaPA cours	se at the 3000 level or above in the	
major in consult	ation with advisor	3 hrs
Senior Capstone		6 hrs
FINE 3999	Internship	$\frac{0 \text{ hrs}}{3 \text{ hrs}}$
FINE 4999	Senior Thesis	3 hrs
TOTAL 127 hor		5 11 5
101AL12/110	<u>u1 5</u>	

Program of Study – Bachelor of Fine Arts - Music Concentration

(Instrumental)		
	D, E, and additional requirements	
Area F		<u>18 hrs</u>
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
Foreign Langu		6 hrs
Foreign Langua		3 hrs
Foreign Langua		3 hrs
Music Core Co		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
Select one from	the following music history courses	:
MUSC 3011	African American Music	3 hrs
MUSC 4010	Contemporary Music History	3 hrs
<u>Instrumental E</u>	Imphasis	21 hrs
MUSC 2421	Instrumental Methods	2 hrs
MUSC 3201	Symphonic Music Literature	3 hrs
MUSC 4420	Instrumental Pedagogy	2 hrs
MUSC 1421, 14	422, 2431, 2432, 3421, 3422,	
4421,4	4422 Applied Major Area	7 hrs
Choose from th	e following Ensemble Courses:	
MUSC 1408, 14	409, 2408, 2409, 3408, 3409,	
4408, 4409, 180	08, 1809, 2808, 2809, 3808, 3809,	
1000 1000 146	55, 1456, 2455, 2456, 3455, 3456,	
4808, 4809, 143		7 hrs
		/ 111.0
4455, 4456		
4455, 4456 <i>VPA Electives</i>	ne	6 hrs
4455, 4456 <i>VPA Electives</i>		
4455, 4456 <u>VPA Electives</u> <u>Senior Capston</u>	Internship Senior Thesis	6 hrs 6 hrs

Program of Study –	
Bachelor of Fine Arts - Music Concentration (Pian	0)
Areas A. P. C. D. F. and additional requirements	12 h

Areas A, B, C,	D, E, and additional requirements	42 hrs
Area F		<u>18 hrs</u>
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
Foreign Langua		6 hrs
Foreign Languag		3 hrs
Foreign Languag		3 hrs
Music Core Co		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
	the following music history courses:	
MUSC 3011	African American Music	3 hrs
MUSC 4010	Contemporary Music History	3 hrs
<u>Piano Emphasis</u>		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
	35, 2534, 2535, 3534, 3535,	
4534, 4535	Applied Major Area	7 hrs
MUSC 1644, 16		4 hrs
	following Ensemble Courses:	
	09, 2608, 2609, 3608, 3609,	
	1, 1712, 2711, 2712, 3711,	
	2, 1455, 1456, 2455, 2456,	
3455, 3456, 445	5, 4456	7 hrs
VPA Electives		<u>6 hrs</u>
Senior Capstone		<u>6 hrs</u>
FINE 3999	Internship	3 hrs
FINE 4999	Senior Thesis	3 hrs
TOTAL 121 ho	<u>urs</u>	

Areas A, B, C,	D, E, and additional requirement	ts 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
Foreign Langu	age Sequence	6 hrs
Foreign Langua		3 hrs
Foreign Langua	age II	3 hrs
Music Core Co	ourses	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
Select one from	n the following music history courses	s:
MUSC 3011	African American Music	3 hrs
MUSC 4010	Contemporary Music History	3 hrs
Voice Emphase	is	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, 1	645, 2644, 2645, 3644, 3645,	
4644, 4645	Applied Major Area	7 hrs
Choose from th	e following Ensemble Courses:	
	609, 2608, 2609, 3608, 3609,	
	11, 1712, 2711, 2712, 3711, 3712,	
4711, 4712		7 hrs
VPA Electives		6 hrs
Senior Capston	ie	6 hrs
FINE 3999	Internship	3 hrs
FINE 4999	Senior Thesis	3 hrs
TOTAL 120 h		

Program of Study –

Bachelor of Fine Arts - Visual Arts Concentration	
Areas A. B. C. D. E. and additional requirements	42 h

Areas A, B, C, I	D, E, and additional requirements	42 hrs
Area F		<u>18 hrs</u>
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
Foreign Langua	ge Sequence	6 hrs
Foreign Languag	ge I	3 hrs
Foreign Languag	ge II	3 hrs
<u>Visual Arts Ma</u>	jor 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
Select one from	the following art history courses:	
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 Stud	lio Emphasis	21 hrs
<i>Choose four (4)</i>	art studio courses (One course must	be
2D concept; one	must be 3D concept):	
ARTS 3101, 320	01, 3301, 3401, 3512, 3601, 3701,	
THEA 2601, 300	04, 3125	12 hrs
Choose three up	per division studio courses	
ARTS 3012, 312	22, 3211, 3311, 3411, 3611, 3711, or	
Special Topics		9 hrs
Senior Capstone	2	9 hrs
ARTS 4900	Issues in Studio Arts	3 hrs
FINE 3999	Internship	3 hrs
FINE 4999	Senior Thesis	3 hrs
General Electives		<u>6 hrs</u>
TOTAL 120 hours		

Program of Study -**Bachelor of Fine Arts - Theater Concentration** Areas A, B, C, D, E, and additional requirements 42 hrs <u>Area</u> F 18 hrs CLAS 1130 First Year Experience 2 hrs FINE 1101 FYE Arts Practices 1 hr **FINE 2104** Portfolio Career Marketing 3 hrs 3 hrs **FINE 2909** Arts Administration **FINE 2999** Legal Aspects of the Arts 3 hrs Foreign Language Sequence 6 hrs Foreign Language I 3 hrs 3 hrs Foreign Language II 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 Stage Makeup & Costume **THEA 3125** 3 hrs Choose one Theater History Course not required elsewhere: 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 Theatre History I 3 hrs **THEA 4055** Theatre History II **THEA 4056** 3 hrs **THEA 4201** Directing 3 hrs Choose four (4) additional Theater courses: THEA 2525, 3004, 4103, 4104, 4105; SPEH 2101, 2111; FINE 4909; MUSC 4645 12 hrs Senior Capstone 9 hrs THEA 4111 Performance, Production and 3 hrs Management

General Electives TOTAL 120 hours

Internship

Senior Thesis

FINE 3999

FINE 4999

3 hrs

3 hrs

6 hrs

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

Areas A, B, C, I	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 Teachi	ng
	and Learning	3 hrs
EDUC 2130	Exploring Teaching and Learning	3 hrs
MUSC 2501	Music Technology in the Classroor	n3 hrs
Music Core Cor	ırses	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
<u>Instrumental En</u>		14 hrs
MUSC 2421	Instrumental Methods	2 hrs
MUSC 3753	Instrumental Conducting	2 hrs
MUSC 4420	Instrumental Pedagogy	2 hrs
	22, 2431, 2432 Applied Major Area	4 hrs
	following Ensemble Courses:	
	09, 2408, 2409, 3408, 3409,	
	8, 1809, 2808, 2809, 3808, 3809,	
4808, 4809, 1455	5, 1456, 2455, 2456, 3455, 3456,	
4455, 4456		4 hrs
Education Conc		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 Teachi	ng
	and Learning	3 hrs
EDUC 2130	Exploring Teaching and Learning	3 hrs
MUSC 2501	Music Technology in the Classroom	n3 hrs
Music Core Co	urses	<u>21 hrs</u>
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 E	•	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
	35, 2534, 2535 Applied Major Area	4 hrs
	following Ensemble Courses:	
	09, 2608, 2609, 3608, 3609,	
4608, 4609, 171	1, 1712, 2711, 2712, 3711,	
	2, 1455, 1456, 2455, 2456,	
3455, 3456, 445	5, 4456	3 hrs
Education Conc	centration	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 ho		

Program of Study -

Bachelor of Fine Arts - Music Education Concentration (Voice)

Areas A, B, C, I	D, E, and additional requirements	42 hrs
Area F	_	<u>18 hrs</u>
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 Teachi	ng
	and Learning	3 hrs
EDUC 2130	Exploring Teaching and Learning	3 hrs
MUSC 2501	Music Technology in the Classroor	n3 hrs
Music Core Cou	irses	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	C	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, 164	45, 2644, 2645, 3644, 3645,	
4644, 4645	Applied Major Area	3 hrs
Choose from the	following Ensemble Courses:	
MUSC 1608, 160	09, 2608, 2609, 3608, 3609,	
4608, 4609, 1711	1, 1712, 2711, 2712, 3711, 3712,	
4711, 4712		3 hrs
Education Conc	entration	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 hou	<u>1rs</u>	
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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 (<u>www.ACEJMC.org</u>). 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 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

Dachelor of Arts in Wass Communication - Journ	
Areas A, B, C, D, E, and additional requirements	
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
<u>Foreign Language</u>	
(Any Foreign Language - Spanish Recommended)	6 hrs
Foreign Language I	3 hrs
Foreign Language II	3 hrs
Hours required for the Major	<u>30 hrs</u>
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

Areas A, B, C, D, E, and additional requirements	<u>42 hrs</u>				
Area F	18 hrs				
COMM 2101 Writing for Multimedia	3 hrs 3 hrs				
COMM 2105 Mass Media in Society					
COMM 2106 African Americans in the Media or					
COMM 2107 Women in the Media	3hrs				
COMM 2810 Intro to Comm Research	3hrs				
<u>Foreign Language</u>					
(Any Foreign Language - Spanish Recommended)	<u>6 hrs</u>				
Foreign Language I	3 hrs				
Foreign Language II	3 hrs				
Hours required for the Major	<u> 30 hrs</u>				
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	<u>9 hrs</u>				
Minor Requirements	<u>15 hrs</u>				

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
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i ubite Relations & Strategie Communication				
Areas A, B, C, D, E, and additional requirements				
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			
<u>Foreign Language</u>				
(Any Foreign Language - Spanish Recommended)	6 hrs			
Foreign Language I	3 hrs			
Foreign Language II	3 hrs			
Hours required for the Major	<u>30 hrs</u>			
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	<u>15 hrs</u>			

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 Commu	nication 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 – Production of Antonio Africano Standian	
Bachelor of Arts in Africana Studies Areas A, B, C, D, E, and additional requirements	12 hra
CLAS 1103 First Year Experience	<u>42 hrs</u> 2 hrs
Area F	18 hrs
AFRS 2000 Introduction to Africana Studies	3 hrs
Choose one (1) of the following:	2 11 5
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
<u>*Category I: Social Sciences</u>	<u>6 hrs</u>
Select from the following:	0.1
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 Expen	
*Category II: Liberal Arts COMM 2106 African Americans in the Media	<u>6 hrs</u>
	3 hrs
MUSC 3011 African Music AFRS 3211 Religion & African Thought System	3 hrs
AFRS 3211 Religion & African Thought System ENGL 3212 African American Oral Tradition	3 hrs
ENGL 3212 African American Oral Tradition ENGL 3216 African American Poetry	3 hrs
ARTH 3601 African American Art	$\frac{3 \text{ ms}}{3 \text{ hrs}}$
FREN 4100 Survey of African & Caribbean	$\frac{5 \text{ ms}}{3 \text{ hrs}}$
AFRS 4211 African American Drama	3 hrs
General Electives	5 ms 15 hrs
**Minor Requirements	<u>15 hrs</u>
TOTAL 122 hours	1.5 1118

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						
	D, E, and additional requirements					
<u>CLAS 1103</u>	First Year Experience	<u>2 hrs</u>				
*Area F	Intro to Dehavior Applying	<u>18 hrs</u> 3 hrs				
BEHV 1101	Intro to Behavior Analysis					
BEHV 2000	Basic Concepts in Behavior Analy					
BEHV 2101	History of Behavior Analysis	3 hrs				
BEHV 2103	Behavior Statistics	3 hrs				
BEHV 2105	Research Methods in Behavioral					
PSYC 1101	Intro to General Psychology	3 hrs				
	d for the Major	<u>34 hrs</u>				
Major Requirem		19 hrs				
BEHV 3103	Measurement in Behavior Analys					
BEHV 3104	Behavior Change in Behavior Ana	alysis 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	g)15 hrs				
	in this area must be BEHV classes	<i>,</i>				
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					
2211 0100	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	•	$\frac{3}{118}$				
	Health Psychology	e mo				
PSYC 4311	Psychology of the African Americ					
DOVC 4601	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						
<u>TOTAL 120 ho</u>	<u>urs</u>					

	D, E, and additional requirements	
CLAS 1103	First Year Experience	<u>2 hrs</u>
Area F		<u>18 hrs</u>
CRJU 1101	Intro to Criminal Justice	3 hrs
CRJU 2102	Police and Society	3 hrs
SOCI 1101	Introduction to Sociology	3 hrs
OCI 2101	Social Statistics	3 hrs
	age Sequence: Two consecutive cour	
t any level		6 hrs
oreign Langua		3 hrs
Foreign Langua		3 hrs
Hours requir	ed 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 Electiv	ves	18 hrs
ny combinatio	on of 3000 and 4000 level courses fro	om the foll
CRJU 3301	Constitutional Law	3 hrs
CRJU 3321	Race, Gender, Class and Crime	3 hrs
	Human Behavior	3 hrs
CRJU 3361		0.1
CRJU 3361 CRJU 3432	Community Policing	3 hrs
	Community Policing Drugs, Alcohol and Crime	3 hrs 3 hrs
CRJU 3432	Drugs, Alcohol and Crime	
CRJU 3432 CRJU 3521	Drugs, Alcohol and Crime Internship	3 hrs
CRJU 3432 CRJU 3521 CRJU 3901	Drugs, Alcohol and Crime	3 hrs 6 hrs
CRJU 3432 CRJU 3521 CRJU 3901 CRJU 4101	Drugs, Alcohol and Crime Internship Independent Study Criminology	3 hrs 6 hrs 3 hrs
CRJU 3432 CRJU 3521 CRJU 3901 CRJU 4101 CRJU 4111	Drugs, Alcohol and Crime Internship Independent Study	3 hrs 6 hrs 3 hrs
CRJU 3432 CRJU 3521 CRJU 3901 CRJU 4101 CRJU 4111	Drugs, Alcohol and Crime Internship Independent Study Criminology Comparative Criminal Justice System	3 hrs 6 hrs 3 hrs 3 hrs
CRJU 3432 CRJU 3521 CRJU 3901 CRJU 4101 CRJU 4111 CRJU 4331 CRJU 4411	Drugs, Alcohol and Crime Internship Independent Study Criminology Comparative Criminal Justice System Criminal Investigations	3 hrs 6 hrs 3 hrs 3 hrs 3 hrs
CRJU 3432 CRJU 3521 CRJU 3901 CRJU 4101 CRJU 4111 CRJU 4331 CRJU 4411 CRJU 4420	Drugs, Alcohol and Crime Internship Independent Study Criminology Comparative Criminal Justice System	3 hrs 6 hrs 3 hrs 3 hrs 3 hrs 3 hrs 3 hrs
CRJU 3432 CRJU 3521 CRJU 3901 CRJU 4101 CRJU 4111 CRJU 4331	Drugs, Alcohol and Crime Internship Independent Study Criminology Comparative Criminal Justice System Criminal Investigations Crime Analysis Violence, Crime and Justice	3 hrs 6 hrs 3 hrs 3 hrs 3 hrs 3 hrs 3 hrs 3 hrs
CRJU 3432 CRJU 3521 CRJU 3901 CRJU 4101 CRJU 4111 CRJU 4331 CRJU 4411 CRJU 4420 CRJU 4501	Drugs, Alcohol and Crime Internship Independent Study Criminology Comparative Criminal Justice System Criminal Investigations Crime Analysis Violence, Crime and Justice Criminal Justice Management	3 hrs 6 hrs 3 hrs 3 hrs 3 hrs 3 hrs 3 hrs 3 hrs 3 hrs
CRJU 3432 CRJU 3521 CRJU 3901 CRJU 4101 CRJU 4111 CRJU 4331 CRJU 4411 CRJU 4420 CRJU 4501 CRJU 4521	Drugs, Alcohol and Crime Internship Independent Study Criminology Comparative Criminal Justice System Criminal Investigations Crime Analysis Violence, Crime and Justice	3 hrs 6 hrs 3 hrs 3 hrs 3 hrs 3 hrs 3 hrs 3 hrs 3 hrs 3 hrs 3 hrs

TOTAL 122 hours *Minimum grade of C required **Some minors require minimum grade of C

Program of Study – Bachelor of Arts in History

Bachelor of Ar	÷	40.1
	D, E, and additional requirements	
CLAS 1103	First Year Experience	<u>2 hrs</u>
Area F		<u>18 hrs</u>
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 Langua	ige Sequence: Two consecutive	
courses at any l		6 hrs
Foreign Langua	ge I	3 hrs
Foreign Langua	ge II	3 hrs
<u>*Hours require</u>	ed for the Major	<u>18 hrs</u>
HIST 3101	Historical Research	3 hrs
HIST 3312	African Amer Hist in the 20 th 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	1 3 hrs
HIST 4901	Senior Seminar	3 hrs
<u>*Major Electiv</u>		
	with at least one from Categories I, I	I, and II
• • •	ican 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
	ian and Latin American History	5 1115
HIST 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 4801 HIST 4805	20 th Century East Asian Economic	5 115
11151 +005	History	3 hrs
Category III: W	•	5 115
HIST 3411	-	3 hrs
HIST 3411 HIST 3501	History of Early Modern Europe Colonial American History	3 hrs
	American Civil War and	5 IIIS
HIST 3503		21
IIICT 2504	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: Of		
HIST 3901	Internship	6 hrs
HIST 3909	Readings in History	3 hrs
Electives		<u>15 hrs</u>
	r for the double major or AFRS conce	
<u>**Minor (Option () ** ** ** **************************</u>		15 hrs
	3000 and above	
TOTAL 122 ho		
*Minimum grad	la of C required	

*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

	D, E, and additional requirements				
CLAS 1103	First Year Experience	<u>2 hrs</u>			
<u>Area F</u>		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			
	ge Sequence: Two consecutive				
courses at any le	evel	6 hrs			
Foreign Languag	ge I	3 hrs			
Foreign Languag	ge II	3 hrs			
*Hours require	d for the Major	15 hrs			
SOCI 3611	Minorities in the Social Environme	ent 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 Electiv		<u>18 hrs</u>			
	om the following 3000 level courses.				
SOCI 3101	The Family	3 hrs			
SOCI/GEOG 31	22 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 36		3 hrs			
SOCI 3631	Urban Sociology	3 hrs			
SOCI 3651	Sociology of Religion	3 hrs			
SOCI 3901	Internship	6 hrs			
	the following 4000 level courses:				
SOCI 4101	Independent Study	3 hrs			
SOCI/CRJU 411		3 hrs			
SOCI 4135	Sociology of Law	3 hrs			
	1 Juvenile Delinquency	3 hrs			
SOCI 4312	Contemporary Theory	3 hrs			
SOCI 4421	Seminar of the African American	2			
2001.121	Experience	3 hrs			
SOCI 4601	Special Topics	3 hrs			
General Electiv		<u>12 hrs</u>			
**Minor (Optional)					
	3000 or 4000 level courses	<u>15 hrs</u>			

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

<u>*Africana St</u>	tudies 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 20th 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 g	rade of C required in all minor classes			

*Behavior Ana	lysis 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 Analysi	s 3hrs
Two upper level	BEHV courses	6 hrs
*Minimum grad	e of C required in all minor classes	
*Criminal Justi		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 leve	el CRJU classes	
(except CRJU 39	901 or 4901)	9 hrs
*Minimum grad	e of C required in all minor classes	
*History Minor		<u>15 hrs</u>
Choose one (1) of	of the following four (4) courses:	
HIST 1111	World History to Early Modern Time	
HIST 1112	World History from Early Modern Ti	mes -
		3 hrs
HIST 2111	US History to the Post Civil War Peri	od 3 hrs
HIST 2112	US History from Post Civil War - pre	
One course from	Category I, II, and III of the Hist Majo	r 9 hrs
One course from	Major requirements	3 hrs
*Minimum grad	e of C required in all minor classes	
*Sociology Min		<u>15 hrs</u>
Choose one (1) of	of the following two (2) courses:	3 hrs
SOCI 1101	Introduction to Sociology	
SOCI 1160	Social Problems	
Choose one (1) a	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 of	course	3 hrs
*Minimum grad	e 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 Phy	vical Education	<u>1 hr</u>	
Area F		<u>18 hrs</u>	
SOWK 1000	Self Awareness and Prof Dev	3 hrs	
	101 Social Statistic	3 hrs	
SOWK 2200	Human Needs and Human Service	s 3 hrs	
Foreign Langua	ge Sequence: Two consecutive		
courses at any le		6 hrs	
Foreign Languag	ge I	3 hrs	
Foreign Languag		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		<u>48 hrs</u>	
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 Ele		6 hrs	
Select two (2) from	om 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	x 3 hrs	
SOWK 5501	Law Race and Poverty	3 hrs	
SOWK 6000	Special Topics	3 hrs	
SOWK 6100	Independent Study	3 hrs	
General Electives6 hrsSelect two (2) 3 hour courses from any department			
TOTAL 122 ho			

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	Bachelor of Arts in Homeland Security and Emergency			
Management	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 fol	llowing two (2) courses:	3 hrs		
ANTH 1101	Introduction to Anthropology	3 hrs		
GEOG 1101	Introduction to Human Geography	3 hrs		
One (1) of the fol	llowing 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 Languag	e I	3 hrs		
Foreign Languag	e II	3 hrs		
Hours required for the Major		<u>60 hrs</u>		
Major Requireme	ents	36 hrs		
HSEM 3110	Politics & Policy of HSEM	3 hrs		
HSEM 3120	Law & Ethics in HSEM	3 hrs		
HSEM 3130	Emergency Planning, Mitigation &			

1 10

	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 HSE	M3 hrs		
HSEM 3840	Effective HSEM Communication &	Ż		
	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	y & Emergency
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HSEM 3130	Emergency Planning, Mitigation &	
	Incident Management	3 hrs
HSEM 3250	Risk Vulnerability Assessment	3 hrs
Three (3) addition	hal 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;

Foreign Language II

- 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 Art	s in Political Science		
Areas A, B, C, I	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			
Foreign Languag	ge I	3 hrs	

Hours require	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 Elective	es	<u>18 hrs</u>	
Any 6 upper di	vision courses from POLS (3000 a	or 4000 level)	
Major Concen	tration	6 hrs	
<u>General Electi</u>	ves	9 hrs	
Minor (Option	nal)	<u>15 hrs</u>	
9 hours must be 3000 or 4000 level courses			
TOTAL 122 h	ours		

3 hrs

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 Urbar	n Studies	<u>15 hrs</u>			
POLS 3813	Introduction to Urban Planning	3 hrs	POLS 3301	African American Politics 3 hrs	
POLS 3811	Urban Politics	3 hrs	POLS 3702	Intro to Geographical Information	
3 elective course	s from the following:			Systems	3 hrs
ANTH 1101	Introduction to Anthropology	3 hrs	POLS 3801	Gender and Politics	3 hrs
BIOL 3621	Urban Health and Hygiene 3 hrs		POLS 4511	Public Policy	3 hrs
GEOG 3621	Population Geography	3 hrs	SOCI 3122	Sociology of Poverty	3 hrs
MGNT 3165	Management of Organizations	3 hrs	SOCI 3611	Minorities and the Social	
MGNT 4221	Social Entrepreneurship	3 hrs		Environment	3 hrs
MSCI 3702	Intro to Geographical Information		SOCI 3631	Urban Sociology 3 hrs	
	Systems	3 hrs	SOCI 3401	Social Research	3 hrs
POLS 3101	International Politics	3 hrs			

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		
	antitative Skills	0 1110		
Select one of the				
MATH 1113	Pre-Calculus	3 hrs		
MATH 2101	Calculus I	4 hrs		
<u>Area B – Institu</u>	itional Options	5 hrs		
AFRS 1501	Survey of African-Amer Exp	2 hrs		
HUMN 1201	Critical Thinking & Communication	on 3 hrs		
<u>Area C_ – Hum</u>	anities/Fine Arts, and Ethics	6 hrs		
Select one of the				
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				
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		
	ural Sciences, Math & Technology	y 10 hrs		
Option II – Science Majors				
Select one of the				
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		

CCCI 1201	Commenter Science I	3 hrs	
CSCI 1301 ENVS 1140	1		
	following lab sciences:	3 hrs	
BIOL 1107/110		4 hrs	
BIOL 1107/110	1 05	4 ms 4 hrs	
CHEM 1211/12		4 ms 4 hrs	
CHEM 1211/12 CHEM 1212/12		4 ms 4 hrs	
PHYS 1111K	Introductory Physics I	4 hrs	
		4 hrs	
PHYS 1112K	Introductory Physics II	4 nrs 4 hrs	
PHYS 2211K	Principles of Physics I		
PHYS 2212K	Principles of Physics II	4 hrs	
<u>Area E – Socia</u>		<u>12 hrs</u>	
POLS 1101	American Government	3 hrs	
Select one of the			
HIST 2111	U.S. History to the Post-Civil	2.1	
11107 0110	War Period	3 hrs	
HIST 2112	U.S. History from the Post-Civil	2.1	
	War to Pre	3 hrs	
Select two of the			
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	
<u>Area F Pathwa</u>	y 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, I	D, E, and additional requirements	<u>43 hrs</u>
Note: Biology me	ajors are required to enroll in	
CHEM 1211, 12	11L, 1212, and 1212L in Area D	
Area F		<u>17 hrs</u>
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) a	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 Require	ments 4	<u>4-45 hrs</u>	
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 L	ab 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	
<u>Electives: 3000</u>	or higher level science or math	15-16 hrs	
TOTAL 120 ho	urs		

*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 Stu	Program of Study –			
Bachelor of Science in Chemistry				
	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		
<u> Major Require</u>	nents	<u> 39 hrs</u>		
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 an	<u>d approval</u>		
by the coordinat	tor of the chemistry program. (AC	<u>S track 12</u>		
hours, non-ACS	<u>track 15 hours).</u>			
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 A	CS 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	<u>43 hrs</u>	Select
Area F		<u>17 hrs</u>	by the
COST 1103	First Year Experience	2 hrs	(ACS t
CHEM 1211	Principles of Chemistry I	3 hrs	CHEM
CHEM 1211L	Principles of Chemistry I Lab	1 hr	CHEM
CHEM 1212	Principles of Chemistry II	3 hrs	CHEM
MATH 2101	Calculus I	4 hrs	CHEM
MATH 2111	Calculus II	4 hrs	CHEM
Major Require	ments	36 hrs	CHEM
CHEM 1212L	Principles of Chemistry II Lab	1 hr	BIOL
CHEM 2501	Organic Chemistry I	3 hrs	Any 40
CHEM 2501L	Organic Chemistry I Lab	1 hr	Additio
CHEM 2511	Organic Chemistry II	3 hrs	Choos
CHEM 2511L	Organic Chemistry II Lab	1 hr	PHYS
CHEM 3101K	Analytic Chemistry	4 hrs	PHYS
CHEM 3201K	Inorganic Chemistry	4 hrs	OR
CHEM 3401K	Physical Chemistry I	4 hrs	PHYS
CHEM 3411K	Physical Chemistry II	4 hrs	PHYS
CHEM 3522L	Advanced Synthesis	2 hrs	BIOL
CHEM 3602	Research & Internship	2 hrs	BIOL
CHEM 3801	Biochemistry	3 hrs	BIOL
CHEM 3801L	Biochemistry Lab	1 hr	TOTA
CHEM 4111	Advanced Biochemistry	3 hrs	

Major Electives		12-15 hrs		
	Select electives in consultation with an advisor and approval			
	or of the chemistry program.	11		
	ours, 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 I	Forensic Science courses	3 hrs		
Additional requi	rements	8-11 hrs		
	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* Principles of Biology II 3 hrs* **BIOL 1108** Intro to Physics I 4 hrs* **PHYS 1111K MATH 2101** Calculus I 4 hrs* Intro to Environmental Science **ENVS 2401** 3 hrs* **Major Requirements** 38 hrs Principles of Biology II Lab **BIOL 1108L** 1 hr* **ENVS 1121K** Physical Geology 4 hrs* **ENVS 2401L** Intro to Environmental Science Lab 1 hr* Organic Chemistry I 3 hrs* CHEM 2501 **CHEM 2501L** Organic Chemistry I Lab 1 hr* **Environmental Ethics** 3 hrs* ENVS 3121 **ENVS 3201** Limnology 3 hrs* ENVS 3201L Limnology Lab 1 hr* Environmental Chem & Analysis **ENVS 3203** 3 hrs* Environmental Chem & Analysis Lab 1 hr* **ENVS 3203L** ENVS/BIOL 3621 Environmental/Urban Hlth & Hyg 3 hrs* Contaminant Hydrology 3 hrs* **ENVS 4101** Contaminant Hydrology Lab 1 hr* **ENVS 4101L** 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 Instrumental Analysis CHEM 3201 3 hrs Instrumental Analysis Lab **CHEM 3201L** 1 hr **Environmental Radiation ENVS 3301** 3 hrs ENVS 3301L Environmental Radiation Lab 1 hr **MSCI 3702** Intro Geographic Info. Systems 3 hrs Environmental Impact Assessment **ENVS 4401** 3 hrs Marine Conservation Biology **MSCI 4601** 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

), E, and additional requirements 4.	
Area F		<u>8 hrs</u>
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 Requirer		<u>19 hrs</u> 3 hrs
FSCI 3301 FSCI 3301L	Principles of Forensic Science	
FSCI 3401	Principles of Forensic Science Lab Research or Internship	1 hr 2 hrs
FSCI 4101	Personal Id & DNA Analysis	$\frac{2}{3}$ hrs
FSCI 4101	Personal Id & DNA Analysis Lab	1 hr
FSCI 4201	Drug Abuse & Drug Analysis	3 hrs
FSCI 4201L	Drug Abuse & Drug Analysis 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	2 ms 1 hr
	stry Concentration	33 hrs
BIOL 1107	Principles of Biology I	$\frac{20 \text{ ms}}{3 \text{ hrs}}$
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		<u> 10 hrs</u>
	credit hours from the following course	
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 3 hrs
BIOL 3301 BIOL 3301L	Genetics Genetics Lab	5 nrs 1 hr
BIOL 3301L BIOL 3321	Microbiology	3 hrs
BIOL 3321 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 hou	<u>1rs</u>	

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

(Biology Concentration)			
<u>Areas A, B, C, D</u>	, E, and additional requirements	<u>43 hrs</u>	
Area F		<u>18 hrs</u>	
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 I	4 hrs	
Major Requiren		19 hrs	
FSCI 3301		$\frac{17 \text{ ms}}{3 \text{ hrs}}$	
	Principles of Forensic Science		
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	v Concentration	31 hrs	
CHEM 1211	Principles of Chemistry I	3 hrs	
CHEM 1211L	Principles of Chemistry I Lab	1 hr	
CHEM 1211L CHEM 1212	Principles of Chemistry I Lab	3 hrs	
CHEM 1212 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	
	redit hours from the following course		
ARTS 3201		3 hrs	
ARTS 3212	Forensic Photography	3 hrs	
		3 hrs	
BIOL 4201	Toxicology		
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 hou	<u>r</u>		

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.

	Virtual Forensic Science	
<u>Requirements</u>		
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 cl	redits)	
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 oceanliterate 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	<u>43 hrs</u>
Area D: CHEM	1211*, 1211L*, 1212*, 1212L*, and	l BIOL
1107*		
Area F		<u>17 hrs</u>
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 Require	ments	<u>26 hrs</u>
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 H	rs. A minimum of 20 hrs must be >	<u>20</u>

Marines Science	es Electives	6 hr s		
Choose two (2) a	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	s Tools Electives	6 hrs*		
Choose two (2) a	o <u>f the following:</u>			
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 E	lectives	3 hrs*		
Choose one (1) of	of the following:			
CHEM 2511/25	11L 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	Priciples of Physics II	4 hrs*		
Other COST Electives		17 hrs		
Two should be M	ISCI 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 and Technology program is accredited by the Engineering Technology Commission (ETAC), of the Accreditation Board for 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, Nathematics, 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, <u>http://www.abet.org</u>

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: <u>Civil Engineering Technology Advising</u> <u>Curriculum Grid</u>

Program of Study -

Bachelor of Science in Civil Engineering Technology		
Areas A, B, C, I	D, E, and additional requirements	<u>43 hrs</u>
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
<u>Major Require</u>	nents	<u>63 hrs</u>
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
ENCT 2601	Design	1 111 5
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
Major Electives (choose two (2) of the following	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 electi	ve course approved by a department	advisor.
TOTAL123 hou		

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: <u>Computer Science Technology Advising</u> <u>Curriculum Grid</u>

Program of Study –		
Bachelor of Sci	ence in Computer Science Technol	ogy
Areas A, B, C,	D, E, and additional requirements	<u>43 hrs</u>
COST 1103	First Year Experience	<u>2 hrs</u>
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 Require	ments	62 hrs
CSCI Core Cour	rses	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 Tec	chnology 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 Cour	rses	7 hrs
MATH 2111	Calculus II	4 hrs
Mathematics Ele	ective (Upper level 3000-4000 course	e) 3 hrs

CSCI Technology/Engineering Technology Option25 hrsSelect from the following10 hrsCSCI 1610Programming in Java4 hrsCSCI 2215Perl Scripting4 hrsCSCI 3102Visual Basic3 hrsCSCI 3210Advanced Java3 hrsCSCI 3414Software Engineering3 hrsCSCI 3800Computer Architecture3 hrsCSCI 4410Web Based Programming3 hrsCSCI 4410Web Based Programming3 hrsCSCI 4510Artificial Intelligence3 hrsOr any approved CSCI course by the advisorSelect from the following8 hrsELET 3111KElectrical Circuit II4 hrsELET 3201KElectronics I4 hrsELET 3211KElectronics II4 hrsELET 3311KDigital Systems II4 hrsELET 3501KControl Systems4 hrsELET 3511KElectrical Machinery4 hrsELET 4101KProgrammable Logic Controller4 hrsELET 4101KProgrammable Logic Controller4 hrsELET 4611KFiber Optics4 hrsELET 4611KDigital Communication4 hrsELET 3701KData Acquisition Systems4 hrsELET 3701Data Acquisition Systems4 hrsELET 3701Data Acquisition Systems4 hrsENGT 2201Technical Writing2 hrsENGT 3301Quality Control3 hrsOr any approved ENGT, ELET, or ENGR course by theadvisorTOTAL 124 hoursAustisor			
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 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 3501K Control Systems 4 hrs ELET 3511K Electrical Machinery 4 hrs ELET 4401K Industrial Electronics 4 hrs ELET 4401K Industrial Electronics 4 hrs ELET 4611K Fiber Optics 4 hrs ELET 4611K Fiber Optics 4 hrs ELET 3701K Data Acquisition Systems 4 hrs ELET 3701K Data Acquisition Systems 4 hrs ELET 3101 Statics OR ENGR 2201 Statics for Engineers 3 hrs ENGT 3301 Quality Control 3 hrs Or any approved ENGT, ELET, or ENGR course by the advisor			
CSCI 2215Perl Scripting4 hrsCSCI 3102Visual Basic3 hrsCSCI 3210Advanced Java3 hrsCSCI 3210Advanced Java3 hrsCSCI 3414Software Engineering3 hrsCSCI 3800Computer Architecture3 hrsCSCI 4410Web Based Programming3 hrsCSCI 4410Web Based Programming3 hrsCSCI 4510Artificial Intelligence3 hrsOr any approved CSCI course by the advisorSelect from the following8 hrsELET 3111KElectrical Circuit II4 hrsELET 3201KElectronics I4 hrsELET 3211KElectronics II4 hrsELET 3311KDigital Systems II4 hrsELET 3501KControl Systems4 hrsELET 3511KElectrical Machinery4 hrsELET 4101KProgrammable Logic Controller4 hrsELET 4401KIndustrial Electronics4 hrsELET 4611KFiber Optics4 hrsELET 4621KDigital Communication4 hrsELET 3701KData Acquisition Systems4 hrsELET 3701KData Acquisition Systems4 hrsENGT 2201Technical Writing2 hrsENGT 3301Quality Control3 hrsOr any approved ENGT, ELET, or ENGR course by theadvisor		ollowing	10 hrs
CSCI 3102Visual Basic3 hrsCSCI 3210Advanced Java3 hrsCSCI 3210Advanced Java3 hrsCSCI 3414Software Engineering3 hrsCSCI 3800Computer Architecture3 hrsSelect from the following3 hrsCSCI 4410Web Based Programming3 hrsCSCI 4510Artificial Intelligence3 hrsOr any approved CSCI course by the advisorSelect from the following8 hrsELET 3111KElectrical Circuit II4 hrsELET 3201KElectronics I4 hrsELET 3211KElectronics II4 hrsELET 3311KDigital Systems II4 hrsELET 3501KControl Systems4 hrsELET 3501KControl Systems4 hrsELET 4101KProgrammable Logic Controller4 hrsELET 4401KIndustrial Electronics4 hrsELET 4401KDigital Communication4 hrsELET 4611KFiber Optics4 hrsELET 3701KData Acquisition Systems4 hrsELET 4621KDigital Communication4 hrsELET 3701KData Acquisition Systems4 hrsENGT 2201Technical Writing2 hrsENGT 3301Quality Control3 hrsOr any approved ENGT, ELET, or ENGR course by the advisor3 hrs	CSCI 1610	Programming in Java	4 hrs
CSCI 3210Advanced Java3 hrsCSCI 3414Software Engineering3 hrsCSCI 3800Computer Architecture3 hrsSelect from the following3 hrsCSCI 4410Web Based Programming3 hrsCSCI 4410Web Based Programming3 hrsCSCI 4510Artificial Intelligence3 hrsOr any approved CSCI course by the advisorSelect from the following8 hrsELET 3111KElectrical Circuit II4 hrsELET 3201KElectronics I4 hrsELET 3211KElectronics II4 hrsELET 3311KDigital Systems II4 hrsELET 3501KControl Systems4 hrsELET 3501KControl Systems4 hrsELET 4101KProgrammable Logic Controller4 hrsELET 4401KIndustrial Electronics4 hrsELET 4611KFiber Optics4 hrsELET 3701KData Acquisition Systems4 hrsELET 3701KData Acquisition Systems4 hrsENGT 2201Technical Writing2 hrsENGT 3101Statics ORENGT 3301Quality ControlENGT 3701Engineering Economy3 hrsOr any approved ENGT, ELET, or ENGR course by theadvisor	CSCI 2215		4 hrs
CSCI 3414Software Engineering3 hrsCSCI 3800Computer Architecture3 hrsSelect from the following3 hrsCSCI 4410Web Based Programming3 hrsCSCI 4510Artificial Intelligence3 hrsOr any approved CSCI course by the advisorSelect from the following8 hrsELET 3111KElectrical Circuit II4 hrsELET 3201KElectronics I4 hrsELET 3211KElectronics II4 hrsELET 3311KDigital Systems II4 hrsELET 3501KControl Systems4 hrsELET 3501KControl Systems4 hrsELET 4101KProgrammable Logic Controller4 hrsELET 401KIndustrial Electronics4 hrsELET 4611KFiber Optics4 hrsELET 3701KData Acquisition Systems4 hrsELET 3701KData Acquisition Systems4 hrsENGT 2201Technical Writing2 hrsENGT 3301Quality Control3 hrsOr any approved ENGT, ELET, or ENGR course by the advisor	CSCI 3102	Visual Basic	3 hrs
CSCI 3800Computer Architecture3 hrsSelect from the following3 hrsCSCI 4410Web Based Programming3 hrsCSCI 4510Artificial Intelligence3 hrsOr any approved CSCI course by the advisorSelect from the following8 hrsELET 3111KElectrical Circuit II4 hrsELET 3201KElectronics I4 hrsELET 3211KElectronics II4 hrsELET 3311KDigital Systems II4 hrsELET 3501KControl Systems4 hrsELET 3511KElectrical Machinery4 hrsELET 4101KProgrammable Logic Controller4 hrsELET 4401KIndustrial Electronics4 hrsELET 4611KFiber Optics4 hrsELET 3701KData Acquisition Systems4 hrsELET 3701Statics ORENGT 3301ENGT 3301Quality Control3 hrsOr any approved ENGT, ELET, or ENGR course by the advisor	CSCI 3210	Advanced Java	3 hrs
Select from the following3 hrsCSCI 4410Web Based Programming3 hrsCSCI 4510Artificial Intelligence3 hrsOr any approved CSCI course by the advisorSelect from the following8 hrsELET 3111KElectrical Circuit II4 hrsELET 3201KElectronics I4 hrsELET 3211KElectronics II4 hrsELET 3311KDigital Systems II4 hrsELET 3501KControl Systems4 hrsELET 3511KElectrical Machinery4 hrsELET 4101KProgrammable Logic Controller4 hrsELET 4401KIndustrial Electronics4 hrsELET 4611KFiber Optics4 hrsELET 3701KData Acquisition Systems4 hrsELET 3701KData Acquisition Systems4 hrsELET 3301Quality Control3 hrsORG 2201 Statics for Engineers3 hrsOr any approved ENGT, ELET, or ENGR course by the advisor	CSCI 3414	Software Engineering	3 hrs
CSCI 4410Web Based Programming3 hrsCSCI 4510Artificial Intelligence3 hrsOr any approved CSCI course by the advisorSelect from the following8 hrsELET 3111KElectrical Circuit II4 hrsELET 3201KElectronics I4 hrsELET 3211KElectronics II4 hrsELET 3311KDigital Systems II4 hrsELET 3501KControl Systems4 hrsELET 3501KControl Systems4 hrsELET 3511KElectrical Machinery4 hrsELET 4101KProgrammable Logic Controller4 hrsELET 4401KIndustrial Electronics4 hrsELET 4611KFiber Optics4 hrsELET 3701KData Acquisition Systems4 hrsELET 3701KData Acquisition Systems4 hrsENGT 2201Technical Writing2 hrsENGT 3301Quality Control3 hrsENGT 3701Engineering Economy3 hrsOr any approved ENGT, ELET, or ENGR course by the advisor	CSCI 3800	Computer Architecture	3 hrs
CSCI 4510Artificial Intelligence3 hrsOr any approved CSCI course by the advisorSelect from the following8 hrsELET 3111KElectrical Circuit II4 hrsELET 3201KElectronics I4 hrsELET 3211KElectronics II4 hrsELET 3311KDigital Systems II4 hrsELET 3501KControl Systems4 hrsELET 3501KControl Systems4 hrsELET 3511KElectrical Machinery4 hrsELET 3511KElectronics4 hrsELET 4101KProgrammable Logic Controller4 hrsELET 4401KIndustrial Electronics4 hrsELET 4611KFiber Optics4 hrsELET 3701KData Acquisition Systems4 hrsELET 3701KData Acquisition Systems4 hrsENGT 2201Technical Writing2 hrsENGT 3301Quality Control3 hrsENGT 3701Engineering Economy3 hrsOr any approved ENGT, ELET, or ENGR course by the advisor	Select from the f	ollowing	0 111 5
Or any approved CSCI course by the advisorSelect from the following8 hrsELET 3111KElectrical Circuit II4 hrsELET 3201KElectronics I4 hrsELET 3211KElectronics II4 hrsELET 3311KDigital Systems II4 hrsELET 3401KMicrocomputer Interfacing4 hrsELET 3501KControl Systems4 hrsELET 3511KElectrical Machinery4 hrsELET 3511KElectrical Machinery4 hrsELET 4101KProgrammable Logic Controller4 hrsELET 4401KIndustrial Electronics4 hrsELET 4611KFiber Optics4 hrsELET 3701KData Acquisition Systems4 hrsELET 3701KData Acquisition Systems4 hrsENGT 2201Technical Writing2 hrsENGT 3301Quality Control3 hrsENGT 3701Engineering Economy3 hrsOr any approved ENGT, ELET, or ENGR course by the advisor	CSCI 4410	Web Based Programming	3 hrs
Select from the following8 hrsELET 3111KElectrical Circuit II4 hrsELET 3201KElectronics I4 hrsELET 3211KElectronics II4 hrsELET 3211KDigital Systems II4 hrsELET 3311KDigital Systems II4 hrsELET 3401KMicrocomputer Interfacing4 hrsELET 3501KControl Systems4 hrsELET 3511KElectrical Machinery4 hrsELET 4101KProgrammable Logic Controller4 hrsELET 4401KIndustrial Electronics4 hrsELET 4611KFiber Optics4 hrsELET 3701KData Acquisition Systems4 hrsELET 3701KData Acquisition Systems4 hrsENGT 2201Technical Writing2 hrsENGT 3301Quality Control3 hrsENGT 3701Engineering Economy3 hrsOr any approved ENGT, ELET, or ENGR course by the advisor	CSCI 4510	Artificial Intelligence	3 hrs
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ELET 3511KElectrical Machinery4 hrsSelect from the following4 hrsELET 4101KProgrammable Logic Controller4 hrsELET 4401KIndustrial Electronics4 hrsELET 4611KFiber Optics4 hrsELET 4621KDigital Communication4 hrsELET 3701KData Acquisition Systems4 hrsENGT 2201Technical Writing2 hrsENGT 3101Statics ORENGT 3301Quality Control3 hrsENGT 3701Engineering Economy3 hrsOr any approved ENGT, ELET, or ENGR course by the advisor	ELET 3401K	Microcomputer Interfacing	4 hrs
Select from the following4 hrsELET 4101KProgrammable Logic Controller4 hrsELET 4401KIndustrial Electronics4 hrsELET 4611KFiber Optics4 hrsELET 4621KDigital Communication4 hrsELET 3701KData Acquisition Systems4 hrsENGT 2201Technical Writing2 hrsENGT 3101Statics ORENGT 3301Quality Control3 hrsENGT 3701Engineering Economy3 hrsOr any approved ENGT, ELET, or ENGR course by the advisor	ELET 3501K	Control Systems	4 hrs
ELET 4101KProgrammable Logic Controller4 hrsELET 4401KIndustrial Electronics4 hrsELET 4611KFiber Optics4 hrsELET 4621KDigital Communication4 hrsELET 3701KData Acquisition Systems4 hrsENGT 2201Technical Writing2 hrsENGT 3101Statics ORENGT 3301Quality Control3 hrsENGT 3701Engineering Economy3 hrsOr any approved ENGT, ELET, or ENGR course by the advisor	ELET 3511K	Electrical Machinery	4 hrs
ELET 4401KIndustrial Electronics4 hrsELET 4611KFiber Optics4 hrsELET 4621KDigital Communication4 hrsELET 3701KData Acquisition Systems4 hrsENGT 2201Technical Writing2 hrsENGT 3101Statics ORENGR 2201 Statics for Engineers3 hrsENGT 3301Quality Control3 hrsENGT 3701Engineering Economy3 hrsOr any approved ENGT, ELET, or ENGR course by the advisor3	Select from the f	ollowing	4 hrs
ELET 4611KFiber Optics4 hrsELET 4621KDigital Communication4 hrsELET 3701KData Acquisition Systems4 hrsENGT 2201Technical Writing2 hrsENGT 3101Statics ORENGR 2201 Statics for Engineers3 hrsENGT 3301Quality Control3 hrsENGT 3701Engineering Economy3 hrsOr any approved ENGT, ELET, or ENGR course by the advisor4	ELET 4101K	Programmable Logic Controller	4 hrs
ELET 4621KDigital Communication4 hrsELET 3701KData Acquisition Systems4 hrsENGT 2201Technical Writing2 hrsENGT 3101Statics ORENGR 2201 Statics for Engineers3 hrsENGT 3301Quality Control3 hrsENGT 3701Engineering Economy3 hrsOr any approved ENGT, ELET, or ENGR course by the advisor4	ELET 4401K	Industrial Electronics	4 hrs
ELET 3701KData Acquisition Systems4 hrsENGT 2201Technical Writing2 hrsENGT 3101Statics ORENGR 2201 Statics for Engineers3 hrsENGT 3301Quality Control3 hrsENGT 3701Engineering Economy3 hrsOr any approved ENGT, ELET, or ENGR course by the advisor4	ELET 4611K	Fiber Optics	4 hrs
ENGT 2201Technical Writing2 hrsENGT 3101Statics ORENGR 2201 Statics for Engineers3 hrsENGT 3301Quality Control3 hrsENGT 3701Engineering Economy3 hrsOr any approved ENGT, ELET, or ENGR course by the advisoradvisor	ELET 4621K	Digital Communication	4 hrs
ENGT 3101Statics ORENGR 2201 Statics for Engineers3 hrsENGT 3301Quality Control3 hrsENGT 3701Engineering Economy3 hrsOr any approved ENGT, ELET, or ENGR course by the advisoradvisor	ELET 3701K	Data Acquisition Systems	4 hrs
ENGR 2201 Statics for Engineers3 hrsENGT 3301Quality Control3 hrsENGT 3701Engineering Economy3 hrsOr any approved ENGT, ELET, or ENGR course by the advisoradvisor	ENGT 2201	Technical Writing	2 hrs
ENGT 3301Quality Control3 hrsENGT 3701Engineering Economy3 hrsOr any approved ENGT, ELET, or ENGR course by the advisoradvisor	ENGT 3101	Statics OR	
ENGT 3701 Engineering Economy 3 hrs Or any approved ENGT, ELET, or ENGR course by the advisor	ENGR 2201 Stat	tics for Engineers 3 hrs	
Or any approved ENGT, ELET, or ENGR course by the advisor	ENGT 3301	Quality Control	3 hrs
advisor	ENGT 3701	Engineering Economy	3 hrs
TOTAL124 hours	advisor		
<u></u>	TOTAL 124 hou	urs	

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

Bachelor of Science in Electronics Engineering Technology			
Areas A, B, C,	<u>43 hrs</u>		
Area F		<u>17 hrs</u>	
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 Require	ements	<u>63 hrs</u>	
ELET Core Cou	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 Op	tion	15 hrs	
Select from the j	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 j		3 hrs	
CSCI 3385K	Computer Network and Design	3 hrs	
CSCI 3000	Data Structures	3 hrs	
TOTAL 123 hours			

Program of Study –

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 Requirer	nents	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 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 – 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 precalculus.

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 Completion of 500 on the SAT-Math / 19 on ACT / 50 on CLEP – College Al 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 general Math Classes:

Criteria of requirement to get into the Honor Math Classes

Course	Prerequisite	
Course	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 GPA3.5 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

<u>Areas A, B, C, I</u>) , E , and additional requirements	<u>43 hrs</u>
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
Choose one (1) of	f the following:	
CSCI 1301	Computer Science I	3 hrs
CSCI 1610	Programming in Java	4 hrs
Major Requirer	nents	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
Choose six (6) of	the following:	
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
Electives (2000 -	- 4000 level)	6 hrs
TOTAL 122 hou	irs	

Minors in the College of Science and Technology

	ollege of Science and Technology	
<u>Biology Minor</u>		<u>17 hrs</u>
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
	gy (BIOL) courses at 3000/4000 leve	
<u>Chemistry Mine</u>		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	
ENVS 4121	Environmental Law	3 hrs
ENVS 4401	Environmental Impact Assessment	3 hrs
Choose five (5) h	ours 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	e 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	<u>15 hrs</u>
MSCI 1810K	Marine Biology	4 hrs
MSCI 2010K	Introduction to Oceanography	4 hrs
Additional MSC	courses at 3000/4000 level	7 hrs
Civil Engineerin	ng 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	
ENGT 2101K	Computer Graphics	3 hrs
	ing Technology minor is not availa	
	ng in Civil Engineering Technolog	
section majori	in orth Engineering reenholog	<u>, •</u>

Computer Scie	nce Technology Minor*	<u>17 hrs</u>
Select nine (9) o	or ten (10) hours from the following f	ive (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 C	Computer Science Technology courses	9 hrs
General Techn	ology 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
	gineering 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
	gineering Technology minor is not a	
	ineering and Computer Science Tech	
majors.	incering and computer science reen	mology
0	Jinon 15	10 hm
Mathematics M MATH 2101	Calculus I	<u>18 hrs</u> 4 hrs
MATH 2101 MATH 2111	Calculus I	4 hrs
MATH 2111 MATH 3101	Linear Algebra	$\frac{4}{3}$ hrs
MATH 3101 MATH 3201		$\frac{3 \text{ ms}}{3 \text{ hrs}}$
	Probability & Statistics I	
	level mathematics course	3 hrs
	will take MATH 2101 and/or 2111 in	
	ke MATH 2111 and/or 2121 and nine	
	upper division courses to have a min	1mum of
sixteen semeste		10.1
Applied Mathe		<u>18 hrs</u>
	lit hours from the following Courses:	
MATH 2111	Calculus II	4 hrs
MATH 2121	Calculus III	4 hrs
At least nine cr	ementary Statistics 3 hrs	
	edit hours from the following Courses	
MATH 3000	edit hours from the following Courses Intro. to Biostatistics	3 hrs
MATH 3000 MATH 3101	edit hours from the following Courses Intro. to Biostatistics Linear Algebra	
MATH 3101 MATH 3201	edit hours from the following Courses Intro. to Biostatistics Linear Algebra Probability & Statistics I	3 hrs
MATH 3101	edit hours from the following Courses Intro. to Biostatistics Linear Algebra	3 hrs 3 hrs
MATH 3101 MATH 3201	edit hours from the following Courses Intro. to Biostatistics Linear Algebra Probability & Statistics I	3 hrs 3 hrs 3 hrs
MATH 3101 MATH 3201 MATH 3301	edit hours from the following Courses Intro. to Biostatistics Linear Algebra Probability & Statistics I Differential Equations	3 hrs 3 hrs 3 hrs 4 hrs
MATH 3101 MATH 3201 MATH 3301 MATH 3501	edit hours from the following Courses Intro. to Biostatistics Linear Algebra Probability & Statistics I Differential Equations Numerical Analysis	3 hrs 3 hrs 3 hrs 4 hrs 3 hrs
MATH 3101 MATH 3201 MATH 3301 MATH 3501 MATH 4221	edit hours from the following Courses Intro. to Biostatistics Linear Algebra Probability & Statistics I Differential Equations Numerical Analysis Complex Analysis	3 hrs 3 hrs 3 hrs 4 hrs 3 hrs
MATH 3101 MATH 3201 MATH 3301 MATH 3501 MATH 4221	edit hours from the following Courses Intro. to Biostatistics Linear Algebra Probability & Statistics I Differential Equations Numerical Analysis Complex Analysis Survey of Partial Differential	3 hrs 3 hrs 3 hrs 4 hrs 3 hrs 3 hrs

* 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 M	linor - Navy Option	15 hrs
NSCI 1002	Seapower and Maritime Affairs	3 hrs
NSCI 2101	Naval Ship Systems I (Engineering	g)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 M	linor - Marine Option	15 hrs
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 Warfan	re 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, rigourous 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 Progam (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 oppoutunity 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 sutdents 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

Introduction to military Science &			
Skills Development	2 hrs		
Basic Military Leadership	2 hrs		
Basic Military Skills	2 hrs		
Basic Military Tactics	2 hrs		
MILS 1101L, 2201L, 3301L, 4401L,			
1102L, 2202L, 3302L, 4402L			
Basic Leadership Lab	0 hrs		
Advanced Courses			
Advanced Tactics & Applied			
Leadership I	3 hrs		
Advanced Tactics & Applied			
Leadership II	3 hrs		
Military Leadership &			
Management Seminar	3 hrs		
Transition to Lieutenant	3 hrs		
	Skills Development Basic Military Leadership Basic Military Skills Basic Military Tactics 2201L, 3301L, 4401L, 1102L, 2202L, 3302L, 4402L Basic Leadership Lab es Advanced Tactics & Applied Leadership I Advanced Tactics & Applied Leadership II Military Leadership & Management Seminar		

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 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 belo

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 EducationAbbreviationCourseBIDSInterdisciplinary StudiesBIEDBiology EducationEDUCEducationESEDEducational StudiesETEDEngineering Technology EducationMAEDMathematics EducationMGEDMiddle 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				
	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 Teachi	ng		
	and Learning	3 hrs		
EDUC 2130	Exploring Teaching and Learning	3 hrs		
<u>Biology Educati</u>	ion Courses 28-31 h	<u>rs</u>		
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		
	l Ecology and Evolutionary Biol.	3 hrs		
	01L 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 Cour		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 Biolo	Secondary Biology Education 3 hrs			

BIED 4417	Practicum in Teaching Secondary		
Biology Educatio	n 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

Areas A, B, C, D, E, and additional requirements			
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	ng	
	and Learning	3 hrs	
EDUC 2130	Exploring Teaching and Learning	3 hrs	
	chnology Education Courses	27 hrs	
CSCI 1301	Computer Science I	3 hrs	
MATH 1113	Pre-Calculus (if not taken in Area A		
OR	The Culculus (It not taken in Theu T	1)	
MATH 2101	Calculus		
MATH 2101	(if MATH 1113 is taken in Area A)	3 hrs	
ETED 2201	Literacy & Technical Writing	5 11 5	
ETED 2201	in Engineering and Technology Ed	2 hrs	
ETED 3211	Connections in P-12 Engineering	2 1115	
EIED 5211		3 hrs	
ETED 2201	Technology Education	5 1118	
ETED 3301	Electrical Power and Energy	2 1	
ETED 2202	Systems	3 hrs	
ETED 3302	Hydraulic and Pneumatic Systems	2.1	
ETED 2202	in Technology Education	3 hrs	
ETED 3303	Construction Systems	3 hrs	
ETED 3304	Transportation Systems	3 hrs	
ETED 3305	Manufacturing Systems	3 hrs	
Engineering Tee	chnology Education Courses	<u>33 hrs</u>	
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 ho			

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

concentration in Mathematics			
	D, E, and additional requirements	43 hrs	
Area F	E'mt Was E	<u> 17 hrs</u>	
EDUC 1103	First Year Experience for	0.1	
	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 Teachi	0	
	and Learning	3 hrs	
EDUC 2130	Exploring Teaching and Learning	3 hrs	
<u>Mathematics Ed</u>	ucation Courses	28 hrs	
MATH 1113	Pre-Calculus (if not taken in Area A	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 Mathematic	s 3 hrs	
MATH 3401	Modern Geometry	3 hrs	
Mathematics Ed	ucation 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 hor	•		

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 requiren 421 . .

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		
EDUC 2120	Socio-cultural Influences in Teachi	ng	
	and Learning	3 hrs	
EDUC 2130	Exploring Teaching and Learning	3 hrs	
<u>Middle Grades I</u>	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 Conce	pts 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 Re	ading Strategies in Middle Grades Ec	13 hrs	

Education Majo	r	<u>30 hrs</u>
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 ho	<u>urs</u>	

Program of Study –			
	ence in Education (BSED) in Midd ion with a concentration in	lle	
	age Arts and Social Studies D, E, and additional requirements	12 hrs	
Area F	D, E, and additional requirements	<u>43 hrs</u>	
EDUC 1103	First Year Experience for	<u>17 hrs</u>	
EDUC 1105	-) here	
EDUC 2000	Future Educators	2 hrs	
EDUC 2000	Technology in Teaching and	2.1	
	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 Teachi	0	
	and Learning	3 hrs	
EDUC 2130	Exploring Teaching and Learning	3 hrs	
	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 Me	echanics	
in Middle Grade		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 Majo)r	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	0 1110	
	Grades Social Studies	3 hrs	
MGED 4411	Practicum in Teaching Middle	0 110	
	Grades English/Language Arts	3 hrs	
EDUC 4475	Student Teaching/Clinical Practice	10 hrs	
EDUC 4476	Student Teaching Seminar	2 hrs	
TOTAL 120 ho	-	_ 10.5	
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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
<u>Area F17-18 hrs</u>
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 Field18 hrs
BIDS 3000 Intro to Interdisciplinary Studies 3 hrs
BIDS 4000 Seminar in Interdisciplinary Studies3 hrs
Complementary courses 12 hrs
General Electives 9 hrs
Courses comprised on 2000-4000 level course work from any
<u>major area</u> <u>TOTAL 120 hours</u>
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 DIDS 4000 0 1 21
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 requirement	<u>s 42-43 hrs</u>
Area F	<u>17-18 hrs</u>
Any First Year Experience Course	2 hrs
ESED 2000 Intro to Education Studies	3 hrs
Courses comprised of 1000-2000 level courses spec	cific to
Area F education	
Educational Studies (ESED)	33 hrs
Courses comprised of 3000-4000 level courses from	n
Education and Educational Studies 21 hrs	
Courses comprised of 3000-4000 courses from relation	ted major
fields	
Complementary Field	18 hrs
BIDS 3000 Intro to Interdisciplinary Studies	3 hrs
BIDS 4000 Seminar in Interdisciplinary Stud	ies 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 A study of the underlying theory <i>Prerequisite(s):</i> MATH 1111	Principles of Financial Accounting y and application of financial accounting concepts.	3 Credits	(3-0-3)
ACCT 2102 A study of the underlying theory <i>Prerequisite(s)</i> : ACCT 2101	Principles of Managerial Accounting y and application of managerial accounting concepts.	3 Credits	(3-0-3)
accounting principles and ethics	Intermediate Financial Accounting I ng theory underlying financial statements. There is an em s relating to the recording and presentation of cash, receiv inventories, property, plant and equipment. Computer aid nior standing or 42 hour rule	vables, and the in	nvestment
equity, dilutive securities, earning retirement benefits, leases, acco	Intermediate Financial Accounting II of ACCT 3111. The topics covered include liabilities, cor- ngs per share, investments, revenue recognition, income unting changes, error correction, cash flows, financial sta- nstruction will be utilized wherever applicable.	taxes, pensions,	post-
An analysis of the federal incon	Federal Income Taxation of Individuals ne tax law and its application to individuals. The course i e preparation of returns. Computer assisted instruction w nior standing or 42 hour rule		(3-0-3) ve
An analysis of the federal incom practical problems, including th <i>Prerequisite(s)</i> : ACCT 2102; Ju ACCT 3115 A course that furthers the knowl emphasizes the use of basic cost process, and activity-based cost	the tax law and its application to individuals. The course is e preparation of returns. Computer assisted instruction we nior standing or 42 hour rule Cost Managerial Accounting ledge gained in the fundamental managerial accounting of t accounting theory and concepts for cost accumulation a ing systems, as well as budgeting and standard costing in trol and analysis of materials, labor and manufacturing or ervice environment.	ncludes extensiv ill be utilized. 3 Credits course. This cour nd usage under	(3-0-3) rse job order, g
An analysis of the federal incom practical problems, including th <i>Prerequisite(s)</i> : ACCT 2102; Ju ACCT 3115 A course that furthers the knowl emphasizes the use of basic cost process, and activity-based cost environment. It also covers com control and accumulation in a se <i>Prerequisite(s)</i> : ACCT 2102; Ju ACCT 3117 The course introduces systems of (SDLC). It covers areas such as of information systems controls	the tax law and its application to individuals. The course is e preparation of returns. Computer assisted instruction we nior standing or 42 hour rule Cost Managerial Accounting ledge gained in the fundamental managerial accounting of t accounting theory and concepts for cost accumulation a ing systems, as well as budgeting and standard costing in trol and analysis of materials, labor and manufacturing of ervice environment. nior standing or 42 hour rule Accounting Information Systems concepts and the role of the accountant in the Systems De documentation of systems, database management tools a . The impact of emerging technologies on accounting is a g systems (Purchasing, Production, etc.), with relevant s	ncludes extensiv ill be utilized. 3 Credits course. This cour nd usage under a manufacturin verheads, and w 3 Credits evelopment Life and strategies, an also addressed.	(3-0-3) rse job order, g ell as cost (3-0-3) Cycle nd aspects

A continuation of Intermediate Financial Accounting II, new topics include revenue recognition, accounting changes and errors, accounting for income taxes, pensions and other post-retirement benefits, leases, cash flow statement.

Prerequisite(s): ACCT 3112; Junior standing or 42 hour rule

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 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 3 Credits **Advanced Managerial Accounting** (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

ACCT 4116

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

Accounting for Not-For-Profit Institutions 3 Credits

3 Credits (3-0-3)

(3-0-3)

society in Africa and the transformation of social r various political tendenci	diaspora. The unique continuing contribution of Africana velations is the central theme and topical focus of this cours es within the African women's movement. It will also exp m, gender violence, and gender role transformation within 2000 or AFRS 1501	women in the ongoir se. The course will end lore the underlying s	ng xam the social
	African Government & Politics f political patterns, political processes, and political ideolo sm and the processes of modernization, and development:		
	Religion & African Thought Systems n of the various cosmologies, basic ethical systems, and sp extent of their impact and influence on the development of		
AFRS 3212/ENGL 3212	African-American Oral Traditions	3 Credits	(3-0-3)
Studies African-America	n folklore, preaching and speaking, and the lyrics of spiritual conditions, and literary practice. 200 or 3010	als, blues, and rap in	n relation
AFRS 3216/ENGL 3216	African-American Poetry	3 Credits	(3-0-3)
A survey of African-Ame contemporary poetry, exa	erican poetry from the nineteenth century through the Harle amining its relationships to the oral tradition and to literary writers as Claude McKay, Langston Hughes, Gwendolyn 200 or 3010	, social, and political	
AFRS 3217/ENGL 3217	African American Fiction	3 Credits	(3-0-3)
A critical survey focusing	g on leading themes and techniques in the short stories and leale Hurston, Richard Wright, Ralph Ellison, James Baldy Gloria Naylor.		
	African-Caribbean Literature erature of the Caribbean produced by writers of African de mming, Marshall, Kincaid, Cesaire, and Guillen.	3 Credits escent. Includes such	(3-0-3) writers as
AFRS 3219/ENGL 3219	African-American Nonfiction	3 credits	(3-0-3)
A survey of African-Ame	erican nonfiction from the early slave narratives to the pres	ent, including W.E.I	B. DuBois,

The Africana Woman

This course specifically addresses the role of African women in the development of modern and postmodern

3 Credits

(3-0-3)

AFRS 3111

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

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

AFRS 3501Survey of African Cultures & Societies3 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 4200African Literature3 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

AFRSPsychology of the African-American Experience3 Credits(3-0-3)4311/PSYC4311

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

Prerequisite(s):PSYC 1101

AFRS 4501African Americans, Africa, & Pan-Africanism3 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.3 Credits(3-0-3)

The course employs methods germane to the disciplines of History, Sociology, Political Science and Anthropology.

Prerequisite(s): AFRS 1501

AFRS 4601Senior Seminar3 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 4602Special Topics3 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.(3-0-3)

Anthropology

ANTH 1101Introduction to Anthropology3 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.3 Credits(3-0-3)

<u>Arabic</u>

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.

ARAB 1002 Elementary Arabic II 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)**ARAB 2001 Intermediate Arabic I** 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

ARAB 2002	Intermediate Arabic II	3 Credits	(3-0-3)
Continuation of Intermediate Arabic I.			
Prerequisite(s): ARAB 2001			

Art History

ARTH 3601 African American Art 3 Credits (3-0-3)Study of African-American Art of the eighteenth, nineteenth, and twentieth century.

ARTH 4600 African Art 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.

ARTH 4602 Art History I **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.

ARTH 4603 Art History II 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.

ARTH 4604 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

Drawing I (3-0-3)**3** Credits Basic drawing materials and techniques. Elements and principles of art are studied through still life and nature subject matter. Introduction to computer drawing is optional.

ARTS 1010

Contemporary Art

ARTS 1011

An introduction to the study of landscape and the human figure. Elements and principles of design will be reviewed. The course explores various materials and techniques. Basic introduction to computer drawing is optional.

Prerequisite(s):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 3 Credits (3-0-3)Designed for students to study and explore the basic elements, principles, materials and techniques of twodimensional 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 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. Prerequisite(s): ARTS 1010, 1011

3 Credits **ARTS 3101** Painting I (3-0-3)Painting media and techniques of oil, acrylic, or watercolor. Prerequisite(s): 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. Prerequisite(s): ARTS 3101

ARTS 3201	Photography I	3 Credits

3 Credits (3-0-3)

(3-0-3)

Drawing II

3 Credits (3-0-3)

Color/Composition

An introduction to photographic processes through a combination of lectures, demonstrations, assignments and critiques, with an emphasis on creative use of camera controls, exposure and digital imaging software. Students learn to see photographically through an exploration of the basic tools, techniques and aesthetics of traditional and digital photography, and an awareness of the African American contribution to photography.

ARTS 3211

Photography II

3 Credits (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

ARTS 3212Forensic Photography3 Credits(3-0-3)This course will examine the techniques, methods, and ethical issues of photographic applications in forensicscience, 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

ARTS 3301Printmaking I3 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.

ARTS 3311Printmaking II3 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

ARTS 3401Sculpture I3 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.(3-0-3)

ARTS 3411Sculpture II3 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

ARTS 3601Illustration I3 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.(3-0-3)

122

ARTS 3611

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

Illustration II

Ceramics I

ARTS 3701

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 tolls used toward formal and conceptual success. Students have the opportunity to pursue more individual concerns in tandem with class directed assignments. In conjunction with increased technical proficiency, students will expand critical awareness through the investigation of conceptual, historical and contemporary art issues, ultimately increasing professionalism and the development of a personal aesthetic. Prerequisite(s): ARTS 3701

Issues in Studio Art

ARTS 4900

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 (3-0-3)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 guasars; past and future of the Universe; and life in the Universe. A field trip to the Planetarium may be required.

Behavior Analysis

BEHV 1101 3 Credits **Introduction to Behavior Analysis: Professions** (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.

3 Credits

3 Credits (3-0-3)

3 Credits (3-0-3)

(3-0-3)

3 Credits

This course is designed to provide the basic characteristics, concepts, and principles of Behavior Analysis. This course will offer explanation of operant contingencies and include reinforcement, punishment, antecedent control, and behavior consequences. The course includes initial exposure to measurement of behavior and display and interpretation of behavior data. Also included are the seminal works of the founders of Behavior Analysis. Prerequisite(s): BEHV 1101

Basic Concepts in Behavior Analysis

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. Prerequisite(s): 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. Prerequisite(s): 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.

Prerequisite(s): 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.

Prerequisite(s): BEHV 1101, 2000, 2103, 3104; Declared Behavior Analysis Major

BEHV 3104 Behavior Change in Behavior Analysis 3 Credits

This course is designed to teach the methods for behavioral assessment, selecting intervention outcomes, and behavior change procedures. Specifically, course content includes functional analyses, environmental factors in interventions, and behavior change techniques such as the Premack principle, differential reinforcement, schedules of reinforcement, and shaping. Also included are reviews of recent literature to support course content. Prerequisite(s): 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. Prerequisite(s): BEHV 1101 and 2000; Declared Behavior Analysis Major

BEHV 2000

Behavior Neuroscience

3 Credits (3-0-3)

(3-0-3)

(3-0-3)

3 Credits

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 3117Behavior Assessment & Behavior Change3 Credits(3-0-3)Topics include direct observation methods, data analysis, experimental design, functional assessment, stimulus
preference assessment, and ethics and professional issues.seessment, and ethics and professional issues.Prerequisite(s): BEHV 1101, 2000, 2103, 3103, and 3104seessment, and seessment, and seessment, and set and s

BEHV 3118Multicultural & Social Issues in Behavior Analysis3 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 district cultural identities; and places of employment, recreation, and commerce.
Prerequisite(s): BEHV 1101 and 2000

BEHV 3710Autism Spectrum Disorders3 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 3720Community Applications of Behavior Analysis3 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 3730Organizational Behavior Management3 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 3740Behavior Ethics3 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 4 Credits **Research Seminar** (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

BIED 3002

Interdisciplinary Studies

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

Connections in Secondary Science (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

3 Credits

BIED 4000

Special Topics

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 3** Credits **General Biology** (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 3** Credits **Principles of Biology I** (3 - 0 - 3)Introduction to broad themes in biology, with emphasis on chemistry, origin and evolution of life, metabolic

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.

BIOL 1107L Lab taken concurrently with BIOL <i>Corequisite:</i> BIOL 1107	Principles of Biology I Lab 1107.	1 Credit	(0-1-1)
their evolution and adaptation to di	Principles of Biology II relopmental biology; structure and physiology of plant fferent environments, classification, comparative and adocrine control processes, and immunology. 07L		
BIOL 1108L Lab taken concurrently with BIOL <i>Prerequisite(s):</i> BIOL 1107L <i>Corequisite:</i> BIOL 1108	Principles of Biology II Lab 1108.	1 Credit	(0-1-1)
	ntroduction to Biological Chemistry ology, life and living organisms, basic and applied biol chemistry.	2 Credits ogy, and an ove	(2-0-2) erview of
Gross anatomy, histology and phys intended for health profession stude	Human Anatomy & Physiology I iology of human organ systems (Not for biology major ents). L 1104 or CHEM 1211 or consent of instructor	4 Credits rs; Non-majors	(3-1-4) course
A comprehensive study of the struc	Human Anatomy & Physiology II cture, location and functions of the organs and systems and macroscopic studies of organs especially nervous, m s.		
A comprehensive study of the struc	Lab Technique for Medical Science cture, location and functions of the organs and systems and macroscopic studies of organs especially nervous, m s.		
	General Botany es of plant life with special emphasis given to cellular , and modern aspects of plant science, such as plant bio 1108		
BIOL 3101L Lab taken concurrently with BIOL <i>Corequisite:</i> BIOL 3101	General Botany Lab 3101.	1 Credit	(0-1-1)
	Molecular and Cell Biology ith an emphasis on animal cells. Analysis of the anator ncluding molecular biochemical and evolutionary pers BIOL 1108		(3-0-3) ogy of

BIOL 3201LMolecular and Cell Biology LaboratoryLab taken concurrently with BIOL 3201.Corequisite: BIOL 3201	1 Credit	(0-1-1)
BIOL 3211 Zoology A study of major phyla of invertebrate animals, morphology, physiology, life histories, an relationships of selected representatives of groups and an intense survey of the morphology physiology, behavior, and ecology of the chordates, with attention given to basic principle <i>Prerequisite(s):</i> BIOL 1108 <i>Corequisite:</i> BIOL 3211L	gy, taxonomy,	(3-0-3)
BIOL 3211LZoology LabLab taken concurrently with BIOL 3211.Corequisite: BIOL 3211	1 Credit	(0-1-1)
BIOL 3301GeneticsThe principles of genetic analysis and the nature of genes. Discussion of the chromosoma of transmission, replication, mutation, and expression of heritable characteristics. Includes in genetics, such as the physical nature and fine structure of the gene, its relationship to pr growth, and differentiation and regulation of gene function. <i>Prerequisite(s):</i> BIOL 1108 <i>Corequisite:</i> BIOL 3301L	s modern devel	opments
BIOL 3301LGenetics LabLab taken concurrently with BIOL 3301.Corequisite: BIOL 3301	1 Credit	(0-1-1)
BIOL 3321MicrobiologyIntroduction to origin, diversity, anatomy, and physiology of microorganisms; principles environmental and applied microbiology.Prerequisite(s): BIOL 1108Corequisite: BIOL 3321L	3 Credits of immunology	(3-1-3)
BIOL 3321LMicrobiology LabLab taken concurrently with BIOL 3321.Corequisite: BIOL 3321	1 Credit	(0-1-1)
BIOL 3401Ecology & Evolutionary BiologyMechanisms of evolution in relation to the genetics of plants, animals, and man; speciation ecological processes in the development, structure, and organization of biomes; biogeogra communities, and ecosystems; species interactions; and the evolution of behavior. Prerequisite(s): BIOL 1108 Corequisite: BIOL 3401L		
BIOL 3401LEcology & Evolutionary Biology LabLab taken concurrently with BIOL 2401.Corequisite: BIOL 3401	1 Credit	(0-1-1)
BIOL 3410 Molecular Evolution Molecular Evolution is a study of genetic and epigenetic changes that define the modern schange. Material will be reviewed to study changes in DNA within an organism, including geographic distribution, and systematics. Also, comparisons between organisms will be compared by the study of	g population str	ructure,

to DNA structures. Overall, the students will gain an appreciation of the fluid nature of DNA changes over time within all species.

Prerequisite(s): BIOL 3301 and 3301L

genomes; and introduces the latest teo	Introduction to Genomics of genomes. The course discusses the structure, function chniques that are used to explore the genomes. The ation of genomics in our health and well-being. L		
	Animal Behavior vior; physiological, ontogenetic, and phylogenetic d. Principles of animal behavior are studied, emph ment.		
BIOL 3501L Lab taken concurrently with BIOL 35 <i>Corequisite:</i> BIOL 3501	Animal Behavior Lab 501.	1 Credit	(0-1-1)
BIOL 3511 Comparative studies of structures, active vertebrates. <i>Prerequisite(s):</i> BIOL 1108 <i>Corequisite:</i> BIOL 3511L	Vertebrate Anatomy ross the vertebrate phylum. Includes analysis of ev	3 Credits volutionary chang	(3-0-3) ges in
BIOL 3511L Lab taken concurrently with BIOL 35 <i>Corequisite:</i> BIOL 3511	Vertebrate Anatomy Lab 511.	1 Credit	(0-1-1)
÷	Biocomputing omputational tools and methods, which can be use nputational analysis of nucleic acid and protein str 2 1108	-	
biological and health effects of enviro	Urban Health & Hygiene onmental and occupational health hazards of an urbonmental pollutants, disease vectors, food and hou al and psychological stresses environmental health	ising sanitation, a	ind
misconduct in science, conflict of inte	Bioethics sible conduct of science. Topics covered include s erest, plagiarism, informed consent, data managen ship, intellectual property, copy rights and patents.	nent, animal welf	
	Animal Physiology blogical processes. Topics covered are bioenergeti tive, urinary, cardiac, respiratory, excretory, and r	-	-

BIOL 3801L Lab may be taken concurrently with <i>Corequisite:</i> BIOL 3801	Animal Physiology Lab th BIOL 3801.	1 Credit	(0-1-1)
The course may include directed re carrying out a directed research pro- experience, the work must culmina	Directed Study to explore a topic of interest under the close supervise eadings, applied work, assisting a faculty member w oject, or other activities deemed appropriate. Regard ate in a formal paper. The specific course requirement e completed by the student and faculty supervisor.	ith a research pro lless of the nature	ject, of the
	Toxicology esting procedures, target organs, toxic substances, an volved in chemical carcinogenesis, mutagenesis, and HEM 2511		(3-0-3) t.
	Reproductive Biology , and endocrinology of male and female reproductive evelopment, and mechanisms of birth control in hum	•	(3-0-3) nphasis on
BIOL 4211L Lab taken concurrently with BIOL <i>Corequisite:</i> BIOL 4211	Reproductive Biology Lab 4211.	1 Credit	(0-1-1)
BIOL 4270 Ecology, physiology systematics, o importance. <i>Prerequisite(s):</i> BIOL 3321 <i>Corequisite:</i> BIOL 4270L	Mycology development of micro fungi and organisms of genera	3 Credits al, industrial, and	(3-0-3) economic
BIOL 4270L Lab taken concurrently with BIOL <i>Corequisite:</i> BIOL 4270	Mycology Lab 4270.	1 Credit	(0-1-1)
	Biotechnology-An Overview miques involved in biotechnology. The impact of bi a agriculture, medicine, horticulture, forestry, fisheri , or CHEM 3801		
BIOL 4301L Lab taken concurrently with BIOL <i>Corequisite:</i> BIOL 4301	Biotechnology-An Overview Lab 4301.	1 Credit	(0-1-1)
	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.

BIOL 4411L Gene Lab taken concurrently with BIOL 44 <i>Corequisite:</i> BIOL 4411	tic Engineering Technology I Lab 11.	1 Credit	(0-1-1)
Principles and applications of biotech technology, gene transfer, regeneratio techniques in biotechnology/molecula	netic Engineering Technology II nology/molecular biology laboratory methods. Use on of transgencies, analysis of transgene expression ar biology research. Junior standing and the consent of the instructor		
	Neuroscience ellular through the behavioral levels. Analysis of neurotrophysiology, neurotransmitter mechanisms and omy.		
BIOL 4601L Lab taken concurrently with BIOL 46 <i>Corequisite:</i> BIOL 4601	Neuroscience Lab 01.	1 Credit	(0-1-1)
• • •	Developmental Biology t, with an emphasis on animal systems. Course will embryonic differentiation, with a perspective on phy d 3511		•
BIOL 4611L Lab taken concurrently with BIOL 46 <i>Corequisite:</i> BIOL 4611	Developmental Biology Lab	1 Credit	(0-1-1)
BIOL 4631 Physiology of the endocrine glands an <i>Prerequisite(s):</i> BIOL 3201 and 3801 <i>Corequisite:</i> BIOL 4631L	Endocrinology and their control of metabolism and reproductive cyc	3 Credits eles.	(3-0-3)
BIOL 4631L Lab taken concurrently with BIOL 46 <i>Corequisite:</i> BIOL 4631	Endocrinology Lab 31.	1 Credit	(0-1-1)
BIOL 4641 General principles of parasitism; class immuno-parasitology. <i>Prerequisite(s):</i> BIOL 1108 <i>Corequisite:</i> BIOL 4641L	Parasitology sification, morphology, and life cycle of parasites o	3 Credits f vertebrates, ar	(3-0-3) nd
BIOL 4641L Lab taken concurrently with BIOL 46 <i>Corequisite:</i> BIOL 4641	Parasitology Lab 41.	1 Credit	(0-1-1)
BIOL 4651	Physiological Chemistry	3 Credits	(3-0-3)

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. Corequisite: 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. Prerequisite(s): BIOL 3201, 3321 *Corequisite:* BIOL 4681L **BIOL 4681L Immunology Lab** 1 Credit (0-1-1)Lab taken concurrently with BIOL 4681. Corequisite: BIOL 4681 (3-0-3)**BIOL 4701 Molecular Genetics 3** Credits A study of molecular basis of inheritance with emphasis on the chemical nature of the gene, DNA replication, transcription, translation, and regulation of gene expression. The practical aspects include gene cloning, sequencing, and other recombinant techniques. Prerequisite(s): BIOL 3301 Corequisite: BIOL 4701L **BIOL 4701L Molecular Genetics Lab** 1 Credit (0-1-1)Practical laboratory exercises in gene cloning, sequencing and other recombinant DNA techniques. Corequisite: 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. Prerequisite(s): CHEM 2501, BIOL 2201 and 3301 Corequisite: BIOL 4711L **BIOL 4711L Molecular Biology Lab** 1 Credit (0-1-1)Lab taken concurrently with BIOL 4711. Corequisite: 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.

Prerequisite(s): 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 1101Leadership & Professional Development I1 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 2105Communicating in the Business Environment3 Credits(3-0-3)An emphasis on both interpersonal and organizational communication through written and oral exercises
appropriate to business practice.3 Credits(3-0-3)Prerequisite(s):ENGL 1101, ENGL 1102, and CISM 1130 or CSCI 11303 Credits(3-0-3)

BUSA 2106The Environment of Business3 Credits(3-0-3)An introduction to the legal, regulatory, political, social, ethical, cultural, environmental, and technological issueswhich form the context for business and an overview of the impact of demographic diversity on organizations.3 Credits

BUSA 2182Introduction to Business Statistics3 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 2185Introduction to Business Research3 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

BUSA 3000Personal Finance3 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

BUSA 3145

Global Business Issues

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

BUSA 4126Business Policy3 Credits(3-0-3)A capstone course in the College of Business Administration required of all seniors. The course integratessubject matter from the business core courses and other disciplines. This course focuses on integrated approachesto medium and long-term organizational challenges in a dynamic environment. Students develop managerial skillsand 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 toenrollment unless it is student's graduating semester); Senior standing;

BUSA 4229Administrative Practice & Internship3 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

BUSA 4999Study Abroad3 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.

Principles of Chemistry I Concept Development

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 0999Principles of Chemistry II Concept Development1 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 Chemistry4 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.(3-3-4)

CHEM 1115*Chemical Calculations3 Credits(3-0-3)Introduction to the use of mathematics to solve chemical problems encountered in CHEM 1211 and 1212.

CHEM 1211Principles of Chemistry I3 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.Credits(3-0-3)Corequisite: CHEM 1211L

CHEM 1211LPrinciples of Chemistry I Lab1 Credit(0-4-1)Laboratory exercises to supplement the lecture material of CHEM 1211.CreditCredit(0-4-1)Corequisite: CHEM 1211

CHEM 1212Principles of Chemistry II3 Credits(3-0-3)Second course in a two-semester sequence covering the fundamental principles and applications of chemistry.Prerequisite(s): CHEM 1211Corequisite: CHEM 1212L

CHEM 1212LPrinciples of Chemistry II Lab1 Credit(0-4-1)Laboratory exercises to supplement the lecture material of CHEM 1212.Prerequisite(s):CHEM 1211L;(0-4-1)Prerequisite(s):CHEM 1211L;Corequisite: CHEM 1212(0-4-1)

CHEM 2501Organic Chemistry I3 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):CHEM1212
Corequisite: CHEM 2501L

CHEM 2501LOrganic Chemistry I Lab1 Credit(0-4-1)Laboratory techniques in organic chemistry; synthesis and reactions of organic compounds and spectroscopicanalysis. Lab taken concurrently with CHEM 2501.Prerequisite(s): CHEM 1212L;

CHEM 2511 A Continuation of Organic Chemistry <i>Prerequisite(s):</i> CHEM 2501 <i>Corequisite:</i> CHEM 2511L	Organic Chemistry II I. (3-0-3)	3 Credits	(3-0-3)
CHEM 2511L A Continuation of Organic Chemistry <i>Prerequisite(s):</i> CHEM 2501L <i>Corequisite:</i> CHEM 2511	Organic Chemistry II Lab Laboratory I.	1 Credit	(0-4-1)
Review of the research process. Const critically analyze research papers. Intr	Chemistry Research Methods ruct a literature review, including the use of compu- oduction to performing systematic independent inv evious studies, and communicating research results 2L	estigation, critic	cally
	Analytical Chemistry c and gravimetric determinations .Principles of che and potentiometric methods of analysis. 212L	4 Credits emical equilibria	(3-2-4) a using
CHEM 3111K Instrumental techniques used in chemi regression methods for the interpretation <i>Prerequisite(s):</i> CHEM 3101K	Instrumental Analysis cal analysis with emphasis on accuracy and precisi on of data.	4 Credits on. Statistical a	(3-2-4) nd
	Inorganic Chemistry hemistry. Topics include electronic structure of ato nemistry, and spectroscopic applications. The accou- ture course.		
CHEM 3401K Thermochemistry, thermodynamics, en <i>Prerequisite(s):</i> CHEM 1212, CHEM	Physical Chemistry I quilibria, electrochemistry, kinetics and quantum n 1212l and MATH 2111	4 Credits nechanics.	(3-2-4)
CHEM 3411K Liquids, solids, surface and transport p mechanics and statistical thermodynam <i>Prerequisite(s):</i> CHEM 3401K	Physical Chemistry II whenomena. Modern treatment of atom, structure, sp nics.	4 Credits pectroscopy, sta	(3-2-4) tistical
The focus of this laboratory course will range of compounds will be synthesize	Ivanced Synthesis Laboratory I be on advanced synthetic methods in organic and I ed and characterized using appropriate separation a roscopic spectra will be emphasized. There will be EM 2511L	nd spectroscopi	с
CHEM 3602K Supervised research including literatur	Chemical Research re search, laboratory experimentation, and interpret	2 Credits	(1-1-2) ntation of

Supervised research including literature search, laboratory experimentation, and interpretation and presentation of results.

Prerequisite(s): CHEM 2101K, CHEM 2511, CHEM 2511L, CHEM 3201K and CHEM 3411K

Structure and function of proteins, r metabolic pathways and enzymes ac <i>Prerequisite(s)</i> :CHEM 2511 and BI	•	mechanistic and	· /
Principles of inorganic chemistry wa	Advanced Inorganic Chemistry ith emphasis on atomic structure, chemical bonding, ry, and acid-base theories. Chemistry of selected elements		(3-0-3) dination
CHEM 4411 The aim of this course is to further a chemistry. <i>Prerequisite(s):</i> CHEM 3411K	Advanced Physical Chemistry advance students' understanding of the principles and	3 Credits d applications of	(3-0-3) physical
CHEM 4531 Survey of modern organic synthesis <i>Prerequisite(s):</i> CHEM 2511	Advanced Organic Chemistry with emphasis on mechanism of reactions.	3 Credits	(3-0-3)
	Medicinal Chemistry action of therapeutically active compounds. Design of sure activity relationships, and computer modeling. 801	3 Credits pharmaceutical	(3-0-3) agents
CHEM 4601 Chemistry of polymers and the cher characterization, structure and morp <i>Prerequisite(s):</i> CHEM 2511 and 34 <i>Corequisite:</i> CHEM 4601L		3 Credits sed. Molecular w	(3-0-3) veight
CHEM 4601L Lab taken concurrently with CHEM <i>Prerequisite(s)</i> :CHEM 2511L <i>Corequisite:</i> CHEM 4601	Polymer Chemistry Lab 4601.	1 Credit	(0-4-1)
	Advanced Biochemistry nistry with clinical correlations. Biochemistry of mer ochemistry, signal transduction, receptor chemistry, and oncoproteins.		
CHEM 4901 Modern development in specific sub <i>Prerequisite(s):</i> Junior or senior star		1 Credit	(1-0-1)
CHEM 4902 Discussion of current topics in organ	Special Topics in Chemistry nic, analytical, physical chemistry, biochemistry, or p	3 Credits polymer chemist	(3-0-3) rry.
	Chinese		

Biochemistry

3 Credits

(3-0-3)

CHEM 3801

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)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)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 Continuation of CHIN 2001. Prerequisite(s): CHIN 2001

Intermediate Chinese II 3 Credits

Computer Information Systems

CISM 1130 Introduction to Computer Applications 3 Credits (3-0-3)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)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)Topics include the visual programming environment, event-driven programming, file processing, database processing, error handling, objects and class libraries. Prerequisite(s): CISM 2130

CISM **Introduction to Data Analytics and Mining 3** Credits (3-0-3)3109/DATA 3109

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.

(3-0-3)

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)

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 earn 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	Applied Statistics For Data Science	3 Credits	(3-0-3)
3111/DATA			
3111			

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 3137System Analysis & Design3 Credits(3-0-3)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 rule3 Credits(3-0-3)

CISM 3232Web Application Development3 Credits(3-0-3)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 3325Data Communication & Computer Networks3 Credits(3-0-3)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)

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

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

(3-0-3)

3 Credits

CISM 4150

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

Network Administration

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

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 2109Introduction to Transportation Planning3 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 Data Analytics in Transportation and Logistics 3 Credits (3-0-3) 2113/DATA 2113

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

3 Credits (3-0-3)

3 Credits (3-0-3)

3 Credits (3-0-3)

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 transportaion 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 3 Credits **Construction Estimating & Management** (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

(3-0-3)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

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3 Credits

applied to the design of various types of foundations such as spread footings, piles, earth retaining structures and substructure elements.

Prerequisite(s): CIVT 3201K and ENGT 3601

CIVT 3701K

Structural Analysis

3 Credits (2-2-3)

A comprehensive study of the behavior response of various structural forms that are employed, and an enumeration of the various loading conditions that a structure must support. Emphasis will be placed on the fundamentals and matrix method of structural analysis of simple and complex structural systems including trusses, beams, frames, arches, cable structures, and influence lines. It will also cover an introduction to the theory of statically indeterminate structures.

Prerequisites: ENGT 3601

CIVT 4100K Structure Design 4 Credits (3-2-4)

This class aims at providing students with a solid background on principles of structural engineering design. Students will be exposed to the theories and concepts of both concrete and steel design and analysis both at the element and system levels, in accordance to American Concrete Institute (ACI) and American Institute of Steel Construction (ASCI) codes. Course content includes the introduction to steel and reinforced concrete structures and members, ACI, ASD and LRFD structural load combinations, analysis and design of steel and reinforced concrete tension and compression members, reinforced concrete footings and retaining walls, one-way slabs, steel base plate design, and practical applications of steel and reinforced concrete structures. Laboratory exercises are required in this course and consist of structural design software as well as laboratory equipment to evaluate the physical properties of steel and concrete members.

CIVT 4201KEnvironmental Engineering I4 Credits(3-2-4)Basic concepts of environmental interrelationships; principles of environmental chemistry, microbiology, ecology
and health; water quality parameters; water treatment processes; wastewater treatment processes; sludge treatment
and disposal; industrial waste waters; design of water, wastewater and sludge treatment units; water distribution
and wastewater collection systems; design principles; and computer applications.

Prerequisite(s): CIVT 3311

CIVT 4211Environmental Engineering II3 Credits(3-0-3)Water pollution; point and diffuse sources; river pollution and oxygen sag curve analysis; groundwater pollution
analysis; eutrophication of lakes; coastal pollution; solid wastes management (collection, storage and transport);
processing and transformation; incineration, composing, sanitary land filling; recycling; hazardous waste
management types; RCRA, CERCLA and others; treatment and disposal methods; air pollution (air pollutants and
interaction products); and preventive and control measures.
Prerequisite(s): CIVT 4201K or the consent of the instructor.3 Credits
(3-0-3)

CIVT 4350 Civil and Environmental Systems Engineering

CIVT 4350 Civil and Environmental Systems Engineering 3 Credits (3-0-3) Introduction to application of systems approach and modeling techniques to problems in civil and environmental engineering.

Prerequisite(s):CIVT 3211, ENGT 3701

College of Liberal Arts and Social Sciences

CLAS 1103

Freshman Year Experience

2 Credits (2-0-2)

This course is designed to assist students in the academic and social transitions associated with college life. The development of specific success skills such as financial literacy, time management, note-taking and study strategies, critical thinking, effective communication, and career and academic guidance activities will be included in this class.

Mass Communications

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COMM 1000 Mass Communications Colloquium 2 Credits 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 3 Credits Mass Media & Society 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

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

3 Credits (3-0-3)**Photography for Multimedia** 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.

(2-0-2)

(3-0-3)

(3-0-3)

3 Credits

COMM 3120Introduction to Communications Theory3 Credits(3-0-3)An overview of the major concepts and applications of human mass communications theories. While interpersonal

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.

3 Credits

(3-0-3)

COMM 3130 History of Journalism

An historical survey of the principal developments in journalism from the eighteenth through the twentieth centuries.

COMM 3201Feature Reporting and Writing3 Credits(3-0-3)In this practical course, students write in several forms, including the news feature, the profile, the trend-analysisstory, data-based investigations and the self-immersion story. Students use the production of multimedia elementssuch as videos, still photographs, charts and maps to expand and enhance text storytelling. Students discussfreelancing stories for specific audiences and print and online publications.Prerequisite(s): COMM 3105

COMM 3301Introduction to Multimedia Production3 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.
Prerequisite(s):COMM 2105

COMM 3302Speech for Multimedia3 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.Emphasis on news casting,
advertising, sports casting, and announcing formats.Prerequisite(s):SPEH 1101

COMM 3303Scriptwriting for Multimedia3 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.Brown privite(a): COMM 2101

Prerequisite(s): COMM 2101

COMM 3305Introduction to Film Production3 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.

Prerequisite(s): COMM 3901

COMM 3306Introduction to Audio Production3 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.3 Credits(3-0-3)

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.

Prerequisite(s): COMM 2101 and COMM 3110

COMM 3402	Advertising Media Sales & Purchases	3 Credits	(3-0-3)
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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.

procedural demonstrations, examination ar	History of Film n process is lecture by the instructor, guest lect nd viewing of various film genres, and exercise rojects will be conducted in and outside of the r	s by the class in	various
COMM 3951 Special Topics in Mass Communication	Special Topics	3 Credits	(3-0-3)
Principles and practices of planning, prepar	c Communication Writing ring, and writing effective advertising message e press, radio, television, mail order, and billbo id product tests in relation to markets.		
In this course, students practice the technic		3 Credits ne crafting of rev c essays suitable	(3-0-3) views of for
Intensive field and laboratory practice on v	munications Practicum video, audio, or print projects under faculty sup 107 or COMM 4170 and Permission of instruct		(3-0-3)
	d Video & Post Production ision production, including directing, programm	3 Credits ning, and equip	(3-0-3) nent.
This course is designed to provide students			
This course is designed to provide students	media News Production s with the skills to plan and produce all the pro- vill consist of writing, shooting and editing mat nd digital platforms including the internet.		
	oduction and Sound Design production, including directing, programming	3 Credits and equipment	(3-0-3)
	n & Television Editing ntroduction to linear and non-linear editing pro	3 Credits becesses for film a	(3-0-3) and

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 4113Advanced Post-Production Techniques3 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 4170Magazine Writing and Reporting3 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 4201Copy Editing3 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 4211Newspaper Production3 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 instructor3 Credits(3-0-3)

COMM 4402Strategic Campaign Principles3 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 41013 Credits(3-0-3)

COMM 4406Strategic Campaign Production3 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 4705Media Ethics & the Law3 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.(3-0-3)Prerequisite(s):Junior or Senior Standing

COMM 4815

The Documentary

A survey and analysis of the documentary format employed in film productions, 1945-1970s, and preparation and production of a mini- documentary. Prerequisite(s):COMM 3303 and COMM 4107

COMM 4902

Professional Media Internship

3 Credits (3-0-3)

A course open only to juniors and seniors majoring in mass communications; students work with various professional media in Savannah and other areas. Junior or senior standing. Prerequisite(s):COMM 2101 and permission of instructor

College of Science and Technology Integrative Courses

COST 1103 Freshman Year Experience 2 Credits (2-0-2)This course is designed to assist students in the academic and social transitions associated with college life. The development of specific success skills such as financial literacy, time management, note-taking and study strategies, critical thinking, effective communication, and career and academic guidance activities will be included in this class.

COST 1140 Coastal Hazards and Environmental Risk 3 Credits (3-0-3)Students will be introduced to major coastal processes and issues including interactions between land and water as well as humans and the coast. They will also study coastal hazards, risk perception, and vulnerability as they are familiarized with the major elements of Environmental Justice. This course will target students working toward completion of requirements for the Certificate in Coastal Risk, Management, and Environmental Justice; however, it can serve as a lower-level elective for students of all majors, science-based and non-science based. Format: lecture, discussion, interactive computer-based lessons, possible field trips.

COST 4140K Environmental Justice & Coastal Risk Management 4 Credits (4-0-4)Students will develop and implement action plans to address complex interdisciplinary issues of coastal hazards, requiring an understanding of the natural and built environments, vulnerable communities and ecosystems, environmental law, urban settings, and environmental justice in the context of the densely populated coastlines, and their unique resources and hazards. Students will assimilate the issue with the lens of management and their specific backgrounds in this interdisciplinary setting. Includes completion of one major Service Learning Project to raise awareness of at least one coastal environmental hazard toward the reduction of disproportional risk exposure. Format: use of case studies, discussion, service-learning collaborative project(s), possible field trips.

Criminal Justice

CRJU 1101 Introduction to Criminal Justice 3 Credits (3-0-3)A study of the history, theory, and structure of the criminal justice system; introduction to substantive and procedural criminal law, police, courts, corrections, and juvenile justice.

CRJU 2102

Police & Society 3 Credits (3-0-3)A study of the role of the police in American society and an overview of police organization and administration. Prerequisite: CRJU 1101

CRJU 3111 3 Credits (3-0-3)**American Court System** An examination of the history, philosophy and basic concepts of the legal system; the organization and jurisdiction of federal, state, and local courts; and the legal process from inception to appeal. Prerequisite: CRJU 2101

system.	11	C	J
	American Court Systems cy, philosophy, and basic concepts of the legal system: t and local courts: and the legal process from inception to		(3-0-3)
CRJU 3321 A comprehensive study of th <i>Prerequisite(s):</i> CRJU 1101	Race, Gender, Class & Crime ne role of crime in the lives of various minorities within	3 Credits American society.	(3-0-3)
psychological, sociological,	Human Behavior uman and deviant behavior from a multidisciplinary ap criminological); addresses major theories and research for such as drug abuse, suicide, mental illness, and sexu	including case studie	(3-0-3)
CRJU 3432 Community policing philoso	Community Policing ophy, applications and issues and contemporary research	3 Credits n of policing methods	(3-0-3)
	Drugs, Alcohol, & Crime ealth consequences, and crime-related aspects of mind-a , the legal response to the problem and on treatment and		
CRJU 3610 Provides a basic understandi approaches to the explanatio	Theories of Criminal Behavior ng of the complex factors related to crime, with concen n of crime.	3 Credits tration on principal t	(3-0-3) heoretical
course requires field experies	Internship iminal justice agency under co-supervision of faculty ar nce, periodic conferences and seminars, and composition onal practice. A forty-hour week, full-time internship is	ons and readings desi	
	Criminology and its impact on society, overview of major theories a nbers of crimes and the characteristics of offenders and		(3-0-3) nd
	Jurisprudence of Criminal Law e and scope of criminal law; the classification and analy nses, justifications, excuses, and other defenses.	3 Credits usis of crimes and the	(3-0-3)
CRJU 4311 A study of children in the leg	Juvenile Justice gal system, including issues and problems concerned wi	3 Credits ith the social control	(3-0-3) and

A study of children in the legal system, including issues and problems concerned with the social control and protection of young persons; the role and responsibilities of the juvenile court, law enforcement, and corrections. *Prerequisite(s):* CRJU 1101

CRJU 4331	Comparative Criminal Justice Systems	3 Credits	(3-0-3)
	Comparative Criminal Subtree Systems	e creates	(0 0 0)

CRJU 3121

CRJU 3301

American Corrections

Constitutional Law in the Criminal Process

A case study approach to theoretical and applied knowledge of constitutional issues affecting the criminal justice

of correctional agencies; and the role and responsibilities of personnel in the correctional setting.

3 Credits (3-0-3)

(3-0-3)

A study of the historical and philosophical development of the correctional system; the organization and functions

3 Credits

An analysis of the design, operation, and legal basis for systems of justice in other countries, governmental, political, demographic, and economic factors in past and current trends in the adjudication of offenders; crosscultural analysis of causes of crime and systems of justice. Prerequisite(s): CRJU 1101

CRJU 4411 Criminal Investigations 3 Credits (3-0-3)An explanation of the history, theories, and procedures for investigating crimes. *Prerequisite(s):* CRJU 1101

CRJU 4420 Crime Analysis 3 Credits (3-0-3)Examination of various approaches to crime analysis and its effect on planning for criminal justice and related programs. Prerequisite(s): CRJU 1101

CRJU 4501 Violence, Crime & Justice **3** Credits (3-0-3)An examination of violence, criminal responses to violence, and the role of non-criminal justice agencies in the area of violence prevention; a review of theories, statistical data, and case studies from other disciplines, such as: law, psychology, sociology, history, and, of course, criminology and criminal justice. Prerequisite(s): CRJU 1101

CRJU 4521 Criminal Justice Management 3 Credits (3-0-3)A focus on issues in the organization and management of criminal justice agencies, including police departments, prosecutors' offices, courts, jails, prisons, and community corrections. Prerequisite(s): CRJU 1101 or CRJU 2102

(3-0-3) **CRJU 4901 Senior Seminar 3** Credits Selected topics of current interest. Critical analysis of current research literature and development of action projects by seminar members. *Prerequisite(s):* Permission of the instructor

Computer Science Technology

(3-0-3) **CSCI 1130 Computer & Its Applications 3** Credits An introductory course specially designed to help students become computer literate. The course covers the history of computers, hardware, software, and use of the state-of-the-art technology. Another unique feature of this course is that students use Internet, MS OFFICE applications using word processing, spreadsheets, and HTML language to create home pages.

CSCI 1301 Computer Science I 3 Credits (3-0-3)An introduction to the principles of computer programming with emphasis on problem solving methods. The topics include an introduction to data representation, data type and control structures, procedures and functions, and programming methodology. Prerequisite(s): MATH 1111

CSCI 1302 Computer Science II 4 Credits (4-0-4)An introduction to object-oriented programming language using abstract data type. Emphasis will be placed on encapsulation, inheritance and polymorphism, recursive programming, pointers, linked lists, stacks, strings, and trees. Prerequisite(s): CSCI 1301

CSCI 1371 Computing for Engineers & Scientists 3 Credits (3-0-3)Foundations of computing with an emphasis on design and implementation of algorithms that complement and support engineering and scientific problem solving. Prerequisite(s): MATH 1113

neutral, portable, high- performanc	Programming in Java a simple, object-oriented, distributed, interpreted, robute, multithreaded and dynamic language. The course is sic data structures, abstract data type, recursion, and s	includes extensiv	ve use of
CSCI 2215 Designed to teach students how to scripting. <i>Prerequisite(s)</i> :CSCI 1301	Perl Scripting use PERL (Practical Extraction and Reporting Langu	4 Credits (age) for Web/Co	(4-0-4) GI
variety of peripheral devices that a Operating System, by entering com	Introduction to UNIX g system, which will provide a convenient and consist re connected to the computer. Students learn history a mands using Shell, the UNIX file systems; text file us (kernighan) programming language, and Local Area N CI 1371	and fundamental atilities. VI edito	s of SUN r, Shell
	Pata Structure & Algorithm Design lexities, object-oriented programming, and basic data CI 1302	3 Credits structures; lists,	(3-0-3) stacks,
CSCI 3102 An introduction to Visual Basic and Bars, Menu and other windows rese <i>Prerequisite(s):</i> CSCI3000	Visual Basic d Windows 95 applications. Topics include Form, Lis ources.	3 Credits t Box, Text Box,	(3-0-3) , Scroll
CSCI 3210 An introduction to Java and Web p <i>Prerequisite(s):</i> CSCI 3000 and CS	Advanced Java page programming. Students write basic Java applets. SCI 1610	3 Credits	(3-0-3)
based networks, modems, and mult	Computer Network & Design architecture, data transmission, protocol levels, types tiplexers. A unique feature of this course is that studen The course provides hands-on experience for students I 1371	its set up a LAN	
CSCI 4110 Study of process control, CPU sche <i>Prerequisite(s)</i> :CSCI 3000	Operating Systems eduling, primary memory management, and secondar	3 Credits y memory mana	(3-0-3) gement.
	Data Base Management n design. Topics include problem analysis, various da orts, SQL, and database programming.	3 Credits ta models, imple	(3-0-3) ementation,
	Web Based Programming nming, Internet information server object: Request, R s via using basic server objects, including working wi 3000		

Data Analytics

DATA	Data Analytics in Transportation and Logistics	3 Credits	(3-0-3)
2113/CIVT			
2113			
	burse is to provide students with a solid foundation in theory and		
•	on data analytics. Data characteristics from a wide ranges of tran	1	0
	d planning will be investigated, along with well-suited modelin nclude sampling and data collection, descriptive statistics and d		
	nd regression analysis.	iata representation,	inting
	1113 and CSCI 1130 or CISM 1130		
Trerequisite. MITTI			
DATA	Introduction to Data Analytics and Mining	3 Credits	(3-0-3)
3109/CISM			
3109			
	on course is to allow students to understand the foundational sl	•	
0	ted to: preparing and working with real-world data sets. Abstrac	<u> </u>	
	using tools from statistics and data mining to address these que		
	s process, from raw data mining to address these questions. Stud		
	from raw data to a deeper understanding of the patterns and struenable one to make predictions and data-informed decisions. A		
	omfortable using basic data mining techniques to answer question		
	ckages such as SAS Enterprise Miner, R. Tableau, and Microso		ig a
	1113 and CISM 1130 or CSCI 1130 and BUSA 2182 or SOCI 2		01
-			
DATA	Business Intelligence	3 Credits	(3-0-3)
3010/CISM			
3010			
	-on course is to provide an integrative foundation in the field of nd strategic levels, and to provide students with an understanding		
L	vill earn how these tools may be used to analyze complex busin	6	•
rational solutions.	vin earli now these tools may be used to analyze complex busin	ess problems and r	dentify
	1113 and CISM/CSCI 1130 and BUSA 2182 or SOCI 2101 or	MATH 1401	
DATA	Applied Statistics For Data Science	3 Credits	(3-0-3)
3111/CISM			
3111		11	
Introduction to interm	ediate level applied statistics and techniques of statistical mode	ling. The course w	ill utilize

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	Mathematical Data Analytics	3 Credits	(3-0-3)
3115/MATH			
3115			

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 3190/ENGT	Data Visualization	3 Credits	(3-0-3)
3190			
An important skill that a dat	a analyst should possess is to communicate practic	cal implications of any data	a 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

Big Data Analysis in the Sciences	3 Credits	(3-0-3)
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DATA 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 ENVS 2401 or MSCI 2010K and MATH 1113 and CISM/CSCI 1130

Dance

DNCE 1000

Dance Forum Dance Forum is a required weekly meeting involving all dance majors and minors enrolled in dance technique classes. This forum gathers he 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

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 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)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

2 Credits (2-0-2)

3 Credits

(0-0-0)

(3-0-3)

0 Credits

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

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

1 Credit

(1-0-1)

Corequisite: DNCE 1000

Performance Dance Ensemble DNCE 2855 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

2 Credits **DNCE 3400** Jazz I (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 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

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Jazz II

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.

2 Credits

(2-0-2)

Dances of African Diaspora I

DNCE 3503

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 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.

Dance Theory

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

Principles of Macro-Economics ECON 2105 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

3 Credits (3-0-3) **ECON 2106 Principles of Micro-Economics** 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.

EDUCExploring Teaching and Learning3 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 2140Exploring Global Issues in Education3 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.3 Credits

EDUCTeaching Exceptional Learners3 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.

EDUCClassroom Management & Ethics of Teaching3 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.

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.

Teaching the Four Skills: Reading, Writing, Listening, and **3** Credits (3-0-3)**EDUC 3300** Speaking

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 Teaching Exceptional Learners 5030/3030 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)5040/3040 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 Exploring Teaching and Learning 3 Credits (3-0-3)5130/3130

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.

EDUC 3200/5200

3 Credits (3-0-3) 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.

EDUCCurriculum and Assessment3 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 5201Literacy in the Content Areas3 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.3 Credits(3-0-3)

EDUC 5415Methods in Middle Grades Education with Practicum3 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 5416Methods in Biology Education with Practicum3 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 5417Methods in Mathematics Education with Practicum3 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 5475Student Teaching/Internship with Semiar3 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 2000Introduction to Educational Studies3 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)

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 3210Diversity in Workforce Development3 credits(3-0-3)

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 3220Training Systems Design3 credits(3-0-3)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 3300Foundations in Language and Literacy3 credits(3-0-3)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.3 credits(3-0-3)Prerequisite(s): ESED 2000

ESED 3310Integrating Language, Literacy, and Technology3 credits(3-0-3)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 3320Teaching Language and Literacy Skills to Adult Learners3 credits(3-0-3)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 3400Introduction to International Education3 credits(3-0-3)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.3 credits

ESED 3410 Issues in Global and International Education 3 credits (3-0-3) 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 3420Education and International Development3 credits(3-0-3)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,

and the impacts of educational interventions will be analyzed related to their implications for students, nationally and internationally.

Prerequisite(s): ESED 2000

ESED 4100 Internship Capstone with Seminar 3 credits

This internship option can serve as a culminating learning experience for BIDS and BIDS Educational Studies students. This experience gives students the opportunity to apply the knowledge acquired through academic preparation, while learning the skills of an entry-level practitioner. Experience at an internship site will provide the practical application of course work from the fields of study while developing professional skills. Prerequisite(s): ESED 2000 or BIDS 3000

Electronics Engineering Technology

Electric Circuit I

ELET 3101K

The concept of current, voltage, power, and resistance. The course deals with units, basic electrical laws, series and parallel circuits, network theorems, and instruments. AC sources, capacitance, inductance, and magnetism are introduced. Circuits are analyzed using PSPICE Laboratory work parallels class work and include the use of various AC and DC instruments. Prerequisite(s): MATH 1113

ELET 3111K Electric Circuit II 4 Credits (3-2-4)The second part of the electric circuit sequence. The course deals with impedance and admittance in sinusoidal circuits. Resonant circuits, three-phase circuits, harmonics and transformer theory are also studied. Circuits are analyzed using PSPICE. Laboratory work parallels class work. Prerequisite(s):ELET 3101K

ELET 3201K Electronics I 4 Credits (3-2-4)A study of discrete electronic devices. Semiconductor diodes, BJTs and FETs are studied with emphasis on characteristic curves. BJT and FET amplifiers are studied in-depth and various configurations of small and large signal amplifiers are studied. Circuits are analyzed using PSPICE. Laboratory work parallels class work. *Prerequisite(s)*:ELET 3101K; Corequisite: ELET 3111K

ELET 3211K Electronics II 4 Credits (3-2-4)A study of the characteristics, performance, and application of the most common linear integrated circuits. The emphasis of this course is on operational amplifiers, comparators, multipliers, oscillators, voltage regulation, oscillators, phase-locked loops and data converters. Applications will illustrate use, and laboratory exercises will enhance learning.

Prerequisite(s): ELET 3201K

ELET 3301K

Digital Systems I A comprehensive study of binary and hexadecimal numbers, Boolean algebra, truth tables, Karnaugh maps, and combination logic using basic gates. Flip-flops, counters, registers, encoders, and decoders are also presented. Circuit simulation software is used in both classroom and laboratory work. Prerequisite(s): ELET 3101K

ELET 3311K

Digital Systems II

A thorough study of sequential design. Techniques and issues relevant to design will be covered in-depth and project work will emphasize the use of LSI, MSI, and SSI circuits in the application and design of complex digital systems. Analog-to-digital converters (ADC), digital-to-analog converters (DAC), programmable logic devices (PLDs), and introduction to microprocessors are also studied. Circuit simulation software used in both classroom and laboratory.

Prerequisite(s): ELET 3301K

4 Credits (3-2-4)

(3-0-3)

(3-2-4)

4 Credits

4 Credits (3-2-4)

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ELET 3401K

Microcomputer Interfacing

A study of microprocessors and microcomputer systems. Related hardware and software issues will be covered. The course also covers memory systems, input/output devices and interfacing mechanisms. Classroom instruction is enhanced by laboratory work.

Prerequisite(s): ELET 3301K

ELET 3411K Microcontrollers 4 Credits (3-2-4)A comprehensive study of micro controller hardware and software. System architecture includes the CPU, timer, serial, and parallel I/O ports, RAM and ROM. The software portion of the course covers assembly language. Classroom instruction will be enhanced by laboratory work. Prerequisite(s): ELET 3301K

ELET 3501K Control Systems 4 Credits (3-2-4)Analysis and design of linear feedback control systems are studied. Nyquist's and Routh's stability criteria, Bode plots, transient behavior, static error coefficients, and the steady-state behavior of various system types are presented. The root-locus method and block diagram representation and simplification are also included. Classroom instruction will be enhanced by laboratory work. Prerequisite(s): ELET 3111K and MATH 2111

ELET 3511K Electrical Machinerv 4 Credits (3-2-4)An introductory course in the characteristics and application of basic electric machinery. Three phase distribution systems, transformers, DC generators, AC generators, DC motors, and AC motors are studied. Laboratory work parallels classroom instruction. Prerequisite(s): ELET 3111K

ELET 3701K Data Acquisition Systems 4 Credits (2-2-4)An introduction to the techniques for interfacing the basic measurement and instrumentation circuitry and systems to monitor physical characteristics such as temperature, pressure, strain, and distance by using data acquisition system. Typical instrumentation and measuring problems will be solved in the laboratory. Prerequisite(s): ELET 3101K

ELET 4101K Programmable Logic Controllers 4 Credits (3-2-4)PLC, ladder logic, programming, installation, and troubleshooting of PLC systems. Sensors and their wring, I/O modules and wiring, and fundamentals of plant communications are studied. Laboratory work parallels classroom instruction.

Prerequisite(s): ELET 3301K

ELET 4401K Industrial Electronics 4 Credits (3-2-4)A study of the necessary background for understanding the concept and utilization of various electronics devices, circuits and systems which are essential in industrial control and automation. Recent development and practices in industry are presented. Students apply the knowledge from Electronics II and Digital Systems II to develop application-oriented systems.

Prerequisite(s): ELET 3211K, 3311K

ELET 4412K 3 Credits (2-2-3)**Instrumentation and Measurement** The purpose of this course is to provide students with basic understanding of instrumentation, sensors, analog and digital signal conditioning. Students will gain experience in designing basic measurement systems ad will become proficient in using laboratory based instrumentation and measurement devices. Prerequisite(s): ELET 3411K

ELET 4611K Fiber Optics 4 Credits (3-2-4)A study of the basic understanding of optics systems, fiber optics, types, and characteristics related to computer communication. Additional coverage includes fiber optic couplers, multiplexes, demultiplexes, and distribution system. Laboratory work parallels classroom instruction.

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4 Credits (2-2-4)

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

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

Digital Communications

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 3 Credits **English Composition I** 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 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

1 Credit (1-0-1)

4 Credits

(3-0-3)

(3-0-3)

3 Credits

(3-2-4)

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ENGL 2121 A survey of important works of Britisl <i>Prerequisite(s):</i> ENGL 1102	British Literature I h literature from the Old English period through	3 Credits the eighteenth cer	(3-0-3) ntury.
ENGL 2122 A survey of important works of British <i>Prerequisite(s):</i> ENGL 1102	British Literature II h Literature from the Romantic period to the pres	3 Credits sent.	(3-0-3)
ENGL 2130 is a survey of important w			
ENGL 2131 A study of the main currents of literary <i>Prerequisite(s):</i> ENGL 1102	American Literature I y thought and expression in America from the co	3 Credits plonial period to 1	(3-0-3) .865.
ENGL 2132 A study of the main currents of literary <i>Prerequisite(s):</i> ENGL 1102	American Literature II y thought and expression in America from 1865	3 Credits to the present.	(3-0-3)
ENGL 2220 is a survey course designed	nerican Literature Survey for Majors ed to introduce and engage English majors and n ican literature, providing a foundation in textual		

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

Imaginative Writing 3 Credits **ENGL 2322** (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.

ENGL 2120

ENGL ALAO '

c ·

British Literature Survey for Majors tent works of Pritich literature from the Old English period through the

3 Credits (3-0-3)

ENGL 3010 Literary Theory and Criticism (3-0-3)A course designed to give English majors guided opportunities to acquire effective methods of writing literary analyses informed by current literary criticism and cultural theories. Required for English majors. ENGL 3010 is a pre- or co-requisite for all upper division courses in literature.

Prerequisites: ENGL 2105, ENGL 2120, ENGL 2130, & ENGL 2220 or consent of the instructor.

ENGL 3011 Medieval English Literature 3 Credits (3-0-3)A study of the literature of medieval Britain, from the beginnings to approximately 1500. Addresses texts such as *Beowulf*, "The Dream of the Rood," and Arthurian legends as well as authors such as Chaucer and Bede. Prerequisite(s): ENGL 2120 or 2121 and, as a prerequisite or co-requisite, ENGL 3010, or consent of the instructor

ENGL 3012 Renaissance British Literature 3 Credits (3-0-3)A survey of British Literature of the Renaissance, addressing the prose, poetry, and drama of the long sixteenth

and seventeenth centuries. Students will engage with writings of authors such as Francis Bacon, Edmund Spenser, Philip Sidney, Christopher Marlowe, John Donne, Ben Jonson, and William Shakespeare, in light of the historical context from 1485 to 1660.

Prerequisite(s): ENGL 2120 or 2121 and, as a prerequisite or co-requisite, ENGL 3010, or consent of the instructor.

ENGL 3014 Romantic British Literature 3 Credits (3-0-3)The genesis of Romantic theory and the beginning of the Romantic revolt in English; significant literary aspects of the movement as shown in the works of Wordsworth, Coleridge, Byron, Shelley, and Keats; in the prose writing of Hazlitt, DeQuincey, Hunt, Lamb, and Scott.

Prerequisite(s): ENGL 2105 and ENGL 2122 and, as a prerequisite or co-requisite, ENGL 3010, or consent of the instructor.

ENGL 3015 Victorian British Literature 3 Credits (3-0-3)Literature during the reign of Queen Victoria, showing the merging of the Romantic tradition into the era of modern doubt. Includes such writers as Carlyle, Tennyson, the Brownings, Arnold, Ruskin, Meredith, the Rossettis, Swinburne, Pater, Hopkins, and Wilde.

Prerequisite(s): ENGL 2105 and ENGL 2120 or 2122 and, as a prerequisite or co-requisite, ENGL 3010 or consent of the instructor

ENGL 3016 Modern British Literature 3 Credits (3-0-3)Literature from the Edwardian period through the two world wars and decolonization to the present. Includes such writers as Hardy, Shaw, Conrad, Yeats, Joyce, Woolf, Lawrence, Eliot, Graves, Auden, Thomas, Beckett, Osborne, Pinter, and Stoppard.

Prerequisite(s): ENGL 2105 and ENGL 2122 or consent of the instructor

ENGL 3031 The British Novel A study of the rise and development of the novel in English. Includes writers such as Samuel Richardson, Laurence Sterne, Walter Scott, Jane Austen, Charles Dickens, Wilkie Collins, Joseph Conrad, James Joyce, Virginia Woolf, Jean Rhys, Bernardine Evaristo, A.S. Byatt, and Michael Frayn. Prerequisite(s): ENGL 2120 and ENGL 3010

ENGL 3121 The Bible as Literature **3** Credits (3-0-3)Critical survey of the various forms of literature found in the Hebrew Bible. *Prerequisite(s)*:ENGL 2105 or consent of the instructor

ENGL 3122 The Bible as Literature II **3** Credits (3-0-3)An introduction to the literature of the New Testament and to the religious writing contemporary with the Bible known as the Apocrypha. Using the tools of literary and rhetorical analysis, we will explore the meanings the

3 Credits

3 Credits

(3-0-3)

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.

contemporary theatr influences. Includes Hughes, Suzan-Lori	African-American Drama -American drama from the early nineteenth century through the Ha e, examining its relationships to the oral tradition and to literary, so such writers as James Baldwin, Amiri Baraka, Alice Childress, Pea Parks, Ntozake Shange, Anna Deavere Smith, August Wilson, and GL 2105 and ENGL 2220 or 2222 and, as a prerequisite or co-requi- structor	cial, and politica arl Cleage, Langs George C. Wolf	l ton e.
ENGL 3212/AFRS 3212	African-American Oral Literature	3 Credits	(3-0-3)
Studies African-Am to African roots, his	erican folklore, preaching and speaking, and the lyrics of spirituals, torical conditions, and literary practice. GL 2105 and ENGL 2222 or permission of the instructor	, blues, and rap in	n relation
ENGL 3216/AFRS	African-American Poetry	3 Credits	(3-0-3)
poetry, examining it such writers as Clau Dove.	American poetry from the nineteenth century through the Harlem R s relationships to the oral tradition and to literary, social, and politic de McKay, Langston Hughes, Gwendolyn Brooks, Nikki Giovanni, GL 2105 and ENGL 2222 or permission of the instructor	cal influences. In	cludes
ENGL 3217/AFRS 3217	African-American Fiction	3 Credits	(3-0-3)
A critical survey for Charles Chesnutt, Z Reed, Alice Walker	GL 2105 and ENGL2220 or 2222 and, as a prerequisite or co-requis	Toni Morrison,	lshmael
ENGL 3219/AFRS 3219	African-American Nonfiction	3 Credits	(3-0-3)
3419			
A study of African- and other life writin Barack Obama, Ta-	American nonfiction including slave narratives, political speeches, o g. It may cover such authors as W.E.B. DuBois, Ida B. Wells, Alex Nehisi Coates, John Edgar Wideman, and others. GL 2105 and ENGL 2220 or 2222 and, as a prerequisite or co-requi structor	Haley, Alice Wa	alker,
A study of African- and other life writin Barack Obama, Ta- <i>Prerequisite(s):</i> EN permission of the in ENGL 3310 A An examination of t Native peoples and 2	g. It may cover such authors as W.E.B. DuBois, Ida B. Wells, Alex Nehisi Coates, John Edgar Wideman, and others. GL 2105 and ENGL 2220 or 2222 and, as a prerequisite or co-requi	Haley, Alice Wa isite, ENGL 3010 3 Credits arliest contact be	llker,) or (3-0-3) otween

ENGL 3311American Literature from Revolution to Civil War3 Credits(3-0-3)A study of literary works written in the United States by writers active between 1776 and 1861.3 Credits(3-0-3)

(3-0-3)

3 Credits

(3-0-3)

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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 3 Credits **Postmodern American Literature** (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

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

3 Credits (3-0-3)**ENGL 3331 American Novel** 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 3 Credits **American Short Story** (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 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

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.

American Poetry

American Drama

(3-0-3)

Prerequisite(s): ENGL 2105 and, as a prerequisite or corequisite, ENGL 3010, or consent of the instructor.

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

3 Credits

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 3535

literature was written.

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

Prerequisite(s): ENGL 1102

ENGL 3515 World Drama

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,

World Poetry

social, and cultural perspectives of the geographic areas and historical periods in which the literature was written.

Literary Editing, Publishing, and Marketing

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

Introduction to Creative Writing: Fiction

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.

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

Prerequisite(s): ENGL 1102

analyze and critique fiction works.

Prerequisite(s): ENGL 1102

ENGL 3418

ENGL 3419

ENGL 3430

manuals.

Introduction to Technical Writing 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

3 Credits

3 Credits

3 Credits

(3-0-3)

(3-0-3)

(3-0-3)

3 Credits (3-0-3)

ENGL 3900 3 Credits **Internship for English Majors** (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.

3 Credits **ENGL 4100 Major Author** (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 (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

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

(3-0-3)

3 Credits

Advanced Playwriting 3 Credits

African Literature

3 Credits (3-0-3)

A selective survey of literature of the Caribbean, produced by writers of African descent, including folktales, poetry, fiction, non-fiction, and drama. It will consider Francophone, Hispanic, and Anglophone Caribbean authors such as Derek Walcott, Paule Marshall, Maryse Condé, Nancy Morejón, Nicolás Guillen, Jacques Roumain, Edwidge Danticat, and Michelle Cliff. This course satisfies the Africana content area course requirement for English majors.

Pre-requisite: ENGL 3010 or consent of the instructor.

ENGL 4344 Southern Literature 3 Credits (3-0-3)A study of literature produced in or about the United States South that examines how literature presents and influences identities, narratives, and cultures of the region, with special emphasis on the twentieth century. *Prerequisite(s):* ENGL 3010 or permission of the instructor

Special Topics

4410 An in-depth exploration of a literary topic. The topic changes each time the course is offered. Examples of topics include The Gullah Culture, Contemporary Multiethnic American Literature, Islamic Literature (in translation), Latin American Fiction (in translation), and Japanese Literature (in translation). Can be repeated for credit with different topics.

Prerequisite(s): ENGL 2105

ENGL 4400-

(3-0-3)**ENGL 4415 Advanced Technical Writing** This course will draw on skills learned in Introduction to Technical Writing. Students will work intricately on professional projects that will advance technical writing, audience, reporting, research, visual and design skills to prepare them for industry-level technical writing.

Prerequisite(s): ENGL 3419 or permission of the instructor with writing sample

ENGL 4416 Creative Nonfiction Writing Seminar 3 Credits (3-0-3)This course is designed to continue work in the craft and creation of creative non-fiction writing. In this seminar students will closely examine their writing and that of their peers, as well as a variety of creative and academic creative non-fiction texts in order to further a theoretical understanding of the writing and reading of creative nonfiction. Students will write intensely to produce works for peer critique in a workshop setting. *Prerequisite(s):* ENGL 3416 or permission of the instructor with writing sample

ENGL 4417 Poetry Writing Seminar 3 Credits (3-0-3)This course continues work in the craft and creation of poetry writing. In this seminar students will closely examine their writing and that of their peers, as well as a variety of creative and academic poetry texts in order to further a theoretical understanding of the writing and reading of poetry. Students will write intensely to produce works for peer critique in a workshop setting.

Prerequisite(s): ENGL 3417 or permission of instructor with writing sample

3 Credits **ENGL 4418 Fiction Writing Seminar** (3-0-3)This course continues work in the craft and creation of fiction writing. In this smaller workshop format, students will closely examine their writing and that of their peers, as well as a variety of fiction texts in order to further a theoretical understanding of the writing and reading of fiction. Students will write intensely to produce works for peer critique in a workshop setting. *Prerequisite(s):* ENGL 3418 or permission of instructor with writing sample

(3-0-3)**ENGL 4551 Postcolonial Studies 3** Credits An exploration of such concerns as race, gender, nationality, and postcolonial subjectivity. Texts studied will include such writers as Jean Rhys, V. S. Naipaul, Salman Rushdie, Grace Nichols, and Okot p'Bitek, along with such theorists and critics as Homi Bhabha and Frantz Fanon. Prerequisite(s): ENGL 2105 and 2120 or 2112 or permission of the instructor

ENGL 4621

Popular Culture Studies

3 Credits (3-0-3)

3 Credits

3 Credits

(3-0-3)

An examination of American pop culture, with an emphasis on developments since World War II.A study of current trends in pop culture and cultural theory.

Prerequisite(s): ENGL 2105 and ENGL 2130 or 2132 or permission of the instructor

ENGL 4700 Senior Seminar A capstone course in which students will be guided to synthesize previous coursework through intensive study of literary movements, genres, and authors. Methods include small group discussion, formal and informal oral presentations, and conferences with the professor. Each student will prepare a major paper demonstrating skill in research, writing, and critical thinking.

Prerequisite(s): ENGL 2104 and ENGL 2105; senior standing or permission of instructor.

Engineering

ENGR 1101 Introduction to Engineering (1-0-1)1 Credit The course consists of material and learning activities that would build and sustain the interest of the student in engineering and that would produce behavioral modification in the student to adequately prepare him/her for a successful academic career in engineering.

ENGR 2001 Principles & Applications of Engineering Materials 3 Credits (3-0-3)The structure-property-processing-performance relationships of engineering materials are described. Materials selection is treated as a part of engineering design. *Prerequisite(s):* CHEM 1211 and 1211L

(3-0-3)**ENGR 2016** Computing **3** Credits This course encompasses numerical analysis/methods techniques for solving engineering problems using software development. Topics include sources of error in computing, the use of modular software design, basic numerical methods, and optimization. Prerequisite(s): CSCI 1371 and MATH3101

ENGR 2025 Introduction to Signal Processing 4 Credits (3-3-4)Introduction to signal processing for discrete-time and continuous-time signals. Filtering, Frequency Response. Fourier Transform. Z Transform. Laboratory emphasizes computer-based signal processing. Prerequisite(s): MATH 2111 or MATH 2511, and CSCI 1371

ENGR 2030 Introduction to Computer Engineering 3 Credits (3-0-3)Computer system and digital design principles. Architectural concepts, software, Boolean algebra, number systems, combinational datapath elements, sequential logic, and storage elements. Design of DRAM control and I/O bus. Prerequisite(s): CSCI 1371

ENGR 2031 2 Credits **Digital Design Lab** (1-3-2)Design and implementation of digital systems, including a team design project. CAD tools, project design methodologies, logic synthesis, and assembly language programming. *Prerequisite(s):* ENGR 2030

ENGR 2040 Circuit Analysis 3 Credits (3-0-3)Basic concepts of DC and AC circuit theory and analysis.(3-0-3) Prerequisite(s): ENGR 2025, PHYS 2212, and MATH 3301

ENGR 2110 Creative Decisions & Design 3 Credits (3-0-3)To learn fundamental techniques for creating, analyzing, synthesizing, and implementing design solutions to open ended problems with flexibility, adaptability, and creativity through team and individual efforts. Prerequisite(s): ENGR 2770 and CSCI 1371

3 Credits

(3-0-3)

ENGR 2201

Elements of statics in two and three dimensions, centroids, and friction, analysis of structures, and moments of inertia.

Prerequisite(s): MATH 2111 and PHYS 2211

Dynamics of Rigid Bodies 3 Credits **ENGR 2202** (3-0-3)Kinematics and dynamics of particles and rigid bodies in one, two, and three dimensions. Work-energy and impulse-momentum concepts. (3-0-3) Prerequisite(s): ENGR 2201 and CSCI 1371

Introduction to Engineering Graphics & Visualization ENGR 2770 3 Credits (3-0-3)Engineering graphics and visualization including sketching, line drawing, simple wire frame, and solid modeling. Development and interpretation of drawings and specifications for the product realization. Prerequisite(s):MATH 1113

ENGR 3001 Mechanics of Deformable Bodies 3 Credits (3-0-3)Stress and strain, axially loaded members, torsion of circular members, bending of beams, transformation of stress and strain and column buckling. Prerequisite(s): ENGR 2201 and MATH 3301

ENGR 3322 Engineering Thermodynamics 3 Credits (3-0-3)Introduction to thermodynamics. Thermodynamic properties, energy and mass conservation, entropy and the second law. Second-law analysis of thermodynamic systems, gas cycles, vapor cycles. Prerequisite(s): PHYS 2211, MATH 3301, and CSCI 1371

ENGR 3770 Statistics & Applications 3 Credits (3-0-3)Introduction to probability, probability distributions, point estimation, confidence intervals, hypothesis testing, linear regression, and analysis of variance. Also applications in the engineering planning and Design are discussed. Prerequisite(s): MATH 2111or MATH 2511

Engineering Technology

(3-0-3)**ENGT 2101K Computer Graphics 3** Credits An introduction to computer graphics hardware and software with emphasis on hands-on experience using one or more CAD systems. Prerequisite(s): MATH 1113

ENGT 2803 Introduction to Renewable Energy Entrepreneurship 3 Credits (3-0-3)The course is primarily based on case studies and business planning. There are two broad themes to the class. In the first part we focus on the process of creating entrepreneurial companies. We will examine business issues of identifying opportunities in energy and environment, implementing strategies, and formulating and implementing the business plans. In the second part, we focus more specifically on the challenges of raising funds, dealing with investors and exploring issues in renewable (solar) energy and environment. We will occasionally change our perspective then, looking at the process from an investor's perspective. *Prerequisite(s):* ENGL 1102

ENGT 3101 3 Credits (3-0-3)A study of applied engineering mechanics of rigid bodies in equilibrium. Analysis of forces, reactions and moments in various force systems for both two and three dimensional systems. Determination of centroids of composite area and the moment of inertia will also be studied. Prerequisite(s):MATH 1113, & (PHYS 1111K or PHYS 2211K)

Statics for Engineers

3 Credits (3-0-3)

Statics

(V-0-V)

ENGT 3190/DATA 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

ENGT 3301

Ouality Control

Data Visualization

A study of statistics, probability, control charts for variables and attributes, and acceptance sampling plans. Prerequisite(s): MATH 2111

ENGT 3501 Dynamics 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

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.

Strength of Materials

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).

Special Topics

Prerequisite(s): ELET 3411K; ELET 3701K; ELET 3311K; ELET 3211K (Electronics Engineering Technology)

ENGT 4903

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

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

2 Credits (2-0-2)

(3-0-3)

3 Credits

1-4 Credits

ENVS 1140 Survey of global environmen and technological perspective	Environmental Issues ntal issues facing humankind from philosophical, socio es.	3 Credits logical, historical, ec	(3-0-3) ological,
	Introduction to Environmental Science elation to plants, animals and man, population dynamic interactions, evolution of behavior, biomes, biogeograp		
ENVS 2401L Lab taken concurrently with <i>Corequisite:</i> ENVS 2401	Introduction to Environmental Science Lab ENVS 2401.	1 Credit	(0-1-1)
ENVS 3121 The basics in philosophical a ecological ethic. <i>Prerequisite(s)</i> :HUMN 2011	Environmental Ethics and ethical thought, especially as related to the develop 1, ENVS 2401	3 Credits oment in mankind of	(3-0-3) a new
aquatic biota, their taxonomy	Limnology of ponds, lakes, and streams; physical and chemical char y and ecology. BIOL 2401, CHEM 1211 and CHEM 1212	3 Credits aracteristics of inland	(3-0-3) water,
ENVS 3201L Lab taken concurrently with <i>Corequisite:</i> ENVS 3201	Limnology Lab ENVS 3201.	1 Credit	(0-1-1)
chemistry in relation to pollu phase-solution equilibria, ior	Environmental Chemistry natural processes in air water and soil, toxic pollutants itants, natural waters and acid base chemistry of the ca n adsorption and desorption phenomenon. CHEM 1211, and CHEM 1212		
ENVS 3203L Lab taken concurrently with <i>Corequisite:</i> ENVS 3203	Environmental Chemistry Lab ENVS 3203.	1 Credit	(0-1-1)
	Environmental Microbiology isms to their environment and to other organisms, sym ed, genetically engineered microorganisms as well as p BIOL 1108		
ENVS 3205L Lab taken concurrently with <i>Corequisite:</i> ENVS 3205	Environmental Microbiology Lab ENVS 3205.	1 Credit	(0-1-1)
methods of radiation detection	Environmental Radiation diation, radioactive decay, interaction of charged partic on, radiation dosimetry and, radiation protection. , CHEM 1212, and PHYS 1111K	3 Credits eles and electron with	(3-0-3) n matter,

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Corequisite: ENVS 3301L

ENVS 3301L Lab taken concurrently with ENVS <i>Corequisite:</i> ENVS 3301	Environmental Radiation Lab 3301.	1 Credit	(0-1-1)	
Human exposure and health effects	nvironmental Health and Hygiene of chemicals, occupational health hazards, regulatory vectors, food and housing sanitation risk assessment, 1107, and BIOL 1108			
	Contaminant Hydrology als of the hydrologic cycle, budget and aquatic; precip nent transport; ground water flow and urban vs. waters <i>MATH</i> 2101		(3-0-3)	
ENVS 4101L Lab taken concurrently with ENVS <i>Corequisite:</i> ENVS 4101	Contaminant Hydrology Lab 4101.	1 Credit	(0-1-1)	
ENVS 4121Environmental Law3 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 31213 Credits(3-0-3)				
	Principles of Ecotoxicology distribution in various ecosystems, toxicity of chemica ionship of dose and response, and biomarkers in popu HEM 2501		(3-0-3) dual,	
Hazardous wastes disposal techniq	H and Hazardous Waste Management ues, problems associated with current waste disposal to om disposal sites, emphasis on critical issues facing ind HEM 2501			
Land use planning, zoning, subdivi federal regulations, multi-disciplina	Environmental Impact Assessment sion and community organization, human growth, con ary terms are organized to produce actual EIS's, geolo occiology and economics are all involved. NVS 3121			
ENVS 4801 Supervised training, apprenticeship report presentation. <i>Prerequisite(s)</i> :Senior Standing	Internship o, and experience with an appropriate agency, written i	2 Credits nternship report	(2-0-2)	
	Environmental Synthesis Seminar ure search, research methodology, synthesis, manuscr	1 Credit ipt preparation,	(1-0-1) and	

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 3000Principles of Engineering and Technology Education3 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 3211Connections in P-12 Engineering Technology Education3 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 Education3 Credits(3-0-3)

ETED 3301Electrical Power and Energy Systems3 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 3303Construction Systems3 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)

ETED 3304 Transportation Systems 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.

ETED 3305 3 Credits (3-0-3)**Manufacturing Systems**

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.

ETED 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.

ETED 4416 Teaching and Research in P-12 Engineering Technology 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. Thee-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)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

FTA 4001

Foundations of FinTech 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 contacting, payments, digital banking, P2P lending, crowdfunding, robo-advising, and InsurTech.

FTA 4002 Financial Technologies 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)

3 Credits

(3-0-3)

(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.

Commercial Banking and FinTech

Introduction to Financial Data Analytics FTA 4005 **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.

FTA 4100 Introduction to Information Security for FinTech 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

FINC 3155

FTA 4003

Business Finance 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, riskreturn 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

FINC 3156 Intermediate Corporate Management I 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

FINC 3157 Investments **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

FINC 3159

Principles of Real Estate

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

3 Credits

3 Credits

(3-0-3)

This course will provide an introduction to the basic principles of real estate. Topics covered include, but are not limited to, concepts of ownership, forms of real estate ownership, advantages and disadvantages of real estate financing, fair housing and ethical practices, and the federal and state laws governing the ownership and its transfer.

Prerequisite(s): FINC 3155

3 Credits **FINC 3160 International Finance** (3-0-3)International Finance is a study of the major markets of international finance with focus on corporate financial planning and decision making in a multinational environment. Topics covered include measurement and management of exchange rate risk, financing international trade, short- and long-term asset and liability

management, direct foreign investment, cost of capital, capital structure, and country risk analysis. Prerequisite(s): FINC 3155 **FINC 4155 Intermediate Corporate Management II 3** Credits (3-0-3)Application of financial management tools, examination and interpretation of financial statements and integration of financial policy and structure on overall management of the enterprise.

Prerequisite(s): FINC 3156

FINC 4156 Capital Markets and Institutions 3 Credits (3-0-3)Course coverage includes an analysis of financial markets & institutions; regulation, money market operation, global impact of central banking principles and monetary policy, and determinates of interest rates with financial asset pricing. Prerequisite(s): FINC 3155

FINC 4159 3 Credits **Financial Statement Analysis** (3-0-3)This course is designed to prepare students to interpret and analyze financial statements effectively. This course explores in greater depth financial reporting topics introduced in the core course in financial accounting an also examines additional topics not covered in that course. The viewpoint is that of the user of financial statements. This course is designed primarily for students who expect to be intensive users of financial statements as part of their professional responsibilities.

Prerequisite(s): FINC 4155

Fine Arts

FINE 1101

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.lrecitals/performances with an entrepreneurial approach to production.

FINE 2101

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.

FINE 2102 Voice and Movement 3 Credits (3-0-3)This class wilt 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,

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FYE Arts Practices

Arts Practices

1 Credit (1-0-1)

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 **FINE 2104 Portfolio/Career Marketing** (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 twofold portfolio development and preparation-based learning experience. The course provides instruction on and includes self-awareness, career awareness and career exploration.

FINE 2909 Arts Administration 3 Credits (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.

FINE 2999 Legal Aspects of the Arts **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.

FINE 3999 Internship **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

FINE 4900-	Special Topics	3 Credits (3-0	J-3)
4910			

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

FINE 4999

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 of better) of 45 credit hours within the student's chosen concentration.

Forensic Science

FSCI 1101	Introduction to Molecular Forensic Science	3 Credits	(3-0-3)

Senior Thesis

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

An introduction to forensic science from a chemist's perspective; basic principles of chemistry and their application to forensic science; evidence collection and preservation, drugs of abuse, poisons, arson investigations, explosives and DNA analysis.

Prerequisite(s): Reading 0099 and Math 0099

FSCI 3001 Computer Forensics 3 Credits (3-0-3) This course introduces students to the technical and legal aspects of electronic evidence and the computer forensic investigative process. Topics covered include the discovery and recovery of electronic evidence stored on or transmitted by computers, networks, and cellular devices. Students will learn how computer forensics increasingly plays a role in investigations of both traditional and cyber-crimes.

FSCI 3201Forensic Evidence in Law Enforcement3 Credits(3-0-3)Principles of criminal law and procedure, preparation and presentation of evidence; examination of witnesses, and
methods of legal research. Emphasis will be placed on court opinions defining the rules of search and seizure and
advisability of evidence.3 Credits

FSCI 3301Principles of Forensic Sciences3 Credits(3-0-3)Application of chemical and instrumental techniques that are currently used in crime laboratories to examine
firearms, tool marks, documents, arson accelerants, drugs, hairs, plastics, paints, glass, soil, and textile fibers.
Prerequisite(s):CHEM 1211 or FSCI 1101

FSCI 3301L	Principles of Forensic Science Laboratory	1 Credit	(0-1-1)
Lab to supplement FSCI 330	1.		

FSCI 3401Forensic Science Research/Internship2 Credits(2-0-2)This course involves supervised research including literature search, laboratory experimentation and investigations
related to forensic science as well as interpretation and presentation of results.Prerequisite(s): FSCI 3301

FSCI 4101Personal Identification & DNA Fingerprinting Analysis3 Credits(3-0-3)Modern techniques in personal identification with various methods in DNA fingerprint analysis, DNA profiling,
DNA typing in rape and murder cases and in cases of paternity testing.
Prerequisite(s):CHEM 2511, BIOL 1108 and FSCI 33013 Credits(3-0-3)

FSCI 4101LPersonal Identification & DNA Fingerprint Analysis Lab1 Credit(0-1-1)Lab taken concurrently with FSCI 3301.Prerequisite(s):CHEM 2511L and BIOL 1108L(0-1-1)

FSCI 4201Drug Abuse & Drug Analysis3 Credits(3-0-3)This course will look at the history and culture surrounding legal and illegal drug use and abuse. Factors affecting
how drugs interact withThe human body and the motivation for drug use will be discussed as well a key techniques and instruments
required for drug analysis. Chemical, pharmacological, toxicological and pathological characteristics of commonly

abused drugs, including alcohol, barbiturates, narcotics, stimulants and hallucinogens.

Prerequisite(s): CHEM 2511, BIOL 1108 and FSCI 3301

FSCI 4201L	Drug Abuse & Drug Analysis	1 Credit	(0-1-1)
Laboratory to supplement FSCI 420	1.		
Prerequisite(s):CHEM 2511L and I	SIOL 1108L		

FSCI 4301K Forensic Toxicology 4 Credits (3-1-4) This course will provide the principles and techniques of forensic toxicology in terms of sample preparation, the various analytical techniques that are used in forensic science laboratories, as well as the pharmacogenomics, pharmacokinetic and pharmacodynamics of drug action within a biological system such as the human body. For

the laboratory component, students will apply the knowledge gained in lecture (the theoretical aspects) to experimentally investigate problems in forensic toxicology.

Prerequisite(s): FSCI 3301 and FSCI 3301L and CHEM 2511 and CHEM 2511L and BIOL 1108 and BIOL 1108L

Crime Scene I **FSCI 4401** 2 Credits (2-0-2)Students will participate in the development and processing of a mock crime scene. Students will process the crime scene, collect and analyze evidence, perform instrumental and chemical analyses as well as carry out general investigative procedures. Students will then submit to the instructor a written formal report based on their results. Prerequisite(s): Senior standing and FSCI 3301

FSCI 4402 Crime Scene II 2 Credits (2-0-2)Students will perform an extensive literature review to obtain documentation to support their results from Crime Scene I. Students will then present their findings under mock court conditions and be asked to defend these results and their hypotheses.

Prerequisite(s):Senior standing and FSCI 4401

FSCI 4501 Forensic Evidence – Case Studies 3 Credits (3-0-3)This course is a series of presentations of true crime case studies, including high profile cases such as Ted Bundy, "The Night Stalker" Richard Ramirez, "The Unabomber" Theodore Kaczynski, Lee Harvey Oswald and more. Discussions will focus on the importance of forensic evidence collected, evidence validity and explanation of evidence significance to the jury.

Prerequisite(s):FSCI 3201 or permission from the instructor

FSCI 4601K 3-D Crime Scene: Capture & Process 3 Credits (3-0-3)In this course students will collect and process 3-dimensional images of a mock crime scene. Students will use a HD 3-D laser scanner with integrated GPS to capture an exact record of the crime scene and provide data for the accurate analysis of blood spatter, line of sight, evidence location, and bullet trajectories. Student will use 3-D software to process the data collected and submit to the instructor a 3-D forensic animation of the crime scene.

FSCI 4602K 3-D Crime Scene: Documentation & Analysis 3 Credits (3-0-3)In this course students will document and analyze exact record of 3-dimensional data images and animations of a mock crime scene produced in FSCI 4601K. Students will use the 3-D data for accurate analysis of blood spatter, line of sight, evidence location, and bullet trajectories. Students will use 3-D software and virtual accessories to explore, perform accurate measurements, and present evidence within an exact 3-D crime scene record in a virtual environment.

Prerequisite: FSCI 4601K

FSCI 4901 Forensic Science Seminar 1 Credit (1-0-1)This course is a series of student presentations designed to train students in the art of public presentation of scientific papers. Students will be required to search the literature for a specific topic in Forensic Science or related area using library resources including SciFinder Scholar and submit a primary and a review abstract. If the instructor approves the abstracts, the student will choose either the review or primary article for presentation. *Prerequisite(s):* FSCI 3301and junior standing

French

FREN 1001 3 Credits **Elementary French I** (3-0-3)A beginning French course which focuses on practice in hearing, speaking, reading, and writing everyday French. The culture and civilization of France are also stressed. Not open to students who have more than one year of high school French or who are native speakers of French.

FREN 1002

Elementary French II

A continuation of FREN 1001 with emphasis on hearing, speaking, reading and writing.

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(3-0-3)

3 Credits

FREN 2001Intermediate French I3 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 French3 Credits(3-0-3)

FREN 2002Intermediate French II3 Credits(3-0-3)A continuation of FREN 2001.Intensive review in writing, speaking, and reading.Prerequisite(s):FREN 2001

FREN 3101Advanced Conversation & Composition3 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.Development of
yrerequisite(s): FREN 2002.

FREN 3201French Civilization3 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(3-0-3)

FREN 3203Survey of French Literature3 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 31013 Credits(3-0-3)

FREN 3401Introduction of Business French3 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 31013 Credits(3-0-3)

FREN 3402Intermediate Business French3 Credits(3-0-3)Same emphasis as FREN 3401 in addition to the usage of French Minitel through the Internet.Prerequisite(s):FREN 3401(3-0-3)

FREN 4100Survey of African & Caribbean Francophone Literature3 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 1101Introduction to Human Geography3 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.3 Credits(3-0-3)

GEOG 3122The Geography of Poverty3 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 (3-0-3)**Geographic Information System & Spatial Analysis 3** Credits This course is designed to provide basic knowledge of Geographic Information Systems (GIS) theory and applications using the existing state-of-the-art GIS software: ArcGIS. The students will learn the basic concepts of GIS design and structure and to understand the concept and application of spatial data analysis. By the end of the course, students are expected to have a thorough understanding of GIS functionality, methodology for implementing the technology, and its potential usefulness in a variety of social problems. Prerequisite(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.

(3-0-3) **GEOG 3631 3** Credits An examination of the ways in which urban geography facilitates an understanding of cities, how cities are conceived, lived and represented. The course helps students understand how different social groups in cities affect the spatial configuration of the urban landscape and how such landscapes have changed over the course of human history. It discusses the ways in which different social groups make claims on space and place, and addresses the question of how communities are delimited in the framework of "social space".

Global Logistics and International Business

Introduction to Global Logistics, Transportation and **GLIB 2109 3** Credits (3-0-3)**International Business**

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 (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

Urban Social Geography

Supply Chain Analytics

3 Credits

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 Curse will specifically examine the firm's international strategies, the nature and form of international business arrangements, to determine if they fit within the firm's overall global strategic position. The course serves to integrate and synthesize knowledge acquired in the functional disciplines in a business school by application of acquired functional skills to corporate and business strategic analysis. 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/assesment, 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 1112Concepts in Healthful Living / Fitness Walking3 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 1114Physical Activity and Stress Management / Fitness Walking3 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 1115Physical Fitness for Life / Swimming3 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 1116Physical Fitness for Life / Weight Training3 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 1140Tennis I1 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.1 Credit(1-0-1)

HEDU 1150Beginning Golf1 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.1 Credit(1-0-1)

HEDU 1201Physical Activity & Stress Management2 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.2 Credits(2-0-2)

HEDU 1211	Physical Activity & Body Composition	2 Credits	(2-0-2)
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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 (1-0-1)1 Credit

Participation in weight training exercise programs and weight resistance activities to achieve desired level of strength and a healthy level of body composition.

HEDU 1401 **Physical Conditioning** 1 Credit (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 1 Credit **Group Fitness** (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.

(1-0-1)**HEDU 1611** Swimming II 1 Credit A course designed for development of advanced swimming fundamentals and techniques to be used for acquiring and maintaining a desirable quality of life and cardiovascular fitness.

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)

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 A survey of the major	Survey of World History to Early Modern Times civilizations of the world from the earliest time to approximately 1	3 Credits .500.	(3-0-3)
HIST 1112	Survey of World History from Early Modern Times to the Present civilization of the world from about 1500 to the present.	3 Credits	(3-0-3)
HIST 2111 An introductory surve	A Survey of U.S. History to the Post-Civil War Period y of the formative years of the history of the United States.	3 Credits	(3-0-3)
HIST 2112	Survey of U.S. History from the Post-Civil War Period to the Present American and American History from the Civil War to the present.	3 Credits	(3-0-3)
acquaint the student w	History of American Military Affairs y of military affairs in the United States from the Revolution to the rith the American military experience, to emphasize the problems in fects of war on society.		
	Historical Research s and critical methods for evaluating, organizing, and using these m d distinctive type of historical writing. 2111 and HIST 2112	3 Credits naterials; a focu	(3-0-3) s on
HIST 3207 A survey of the history	Georgia History y of Georgia from pre-colonial times to present.	2 Credits	(2-0-2)
HIST 3301/AFRS 3301 A survey of the history the twentieth century.	African-American History Before 1900 y of African-Americans beginning with the African background to	3 Credits 1900 with an o	(3-0-3) verview of
	The African-American in the 20th Century dern African-American experiences such as African-American part and the struggles for civil rights, identity, and self-determination.	3 Credits ticipation in the	(3-0-3) World
	History of Early Modern Europe of Europe from about 1500 until the French Revolution covering the n, family and demographic developments, and the Enlightenment.	3 Credits he Reformation	(3-0-3) , Scientific
HIST 3412 A detailed study of the on western Europe.	History of Modern Europe e political, social, economic, and intellectual development in Europ	3 Credits be since 1789. E	(3-0-3) Emphasis is
HIST 3501 An examination of cul	Colonial America	3 Credits	(3-0-3)

An examination of cultures and institutions of colonial America before 1776.

HIST 3502 An examination of America of the New Republic.	American Revolution & New Nation an cultures and institutions from the outbreak of the rev		- 0-3) ears
HIST 3503 An intensive examination a through 1877.	American Civil War & Reconstruction nd analysis of the forces at work in American life durin		- 0-3) 1840
HIST 3504 An intensive study of the petthe present.	Recent American History olitical, social, and economic history of the United State		-0-3) ar to
An appraisal of the origins	olonial & Early National Latin American History and development of social, political, economic, and inte onial era through the wars for independence.		-0-3) Latin
	Modern Asian History ns and developments of the economic, political, social, a emphasis on the roles of China, Japan, and India during	and cultural characteristics	- 0-3) of
HIST 3901	Internship	Credit (V- Varies	- 0-V)
	ourse-project involving research in a government or pri of the sponsoring agency and their faculty advisor. This artment chair.	vate agency. Students will	
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HIST 3909	Readings in History		- 0-V)
	Readings in History r activities related to particular topic in the discipline.	Credit (V- Varies	- 0-V)
Directed readings and other HIST 4301 A study of the ideas, institu		Varies 3 Credits (3- frican-Americans. The court	-0-3)
Directed readings and other HIST 4301 A study of the ideas, institu incorporates the philosophi HIST 4411	r activities related to particular topic in the discipline. History of African-American Thought tional practices, values, and ideologies embraced by African and tactics of accommodation, integration, and separ History of Modern Britain since the revolution of the seventeenth century, includit	Varies3 Credits(3-Grican-Americans. The courtation.3 Credits(3-	- 0-3) rse - 0-3)
Directed readings and other HIST 4301 A study of the ideas, institution incorporates the philosophic HIST 4411 A survey of British history as a world power, and its room HIST 4601	r activities related to particular topic in the discipline. History of African-American Thought tional practices, values, and ideologies embraced by African and tactics of accommodation, integration, and separ History of Modern Britain since the revolution of the seventeenth century, including the world today. Latin America in the Modern World political, economic, and intellectual development of Lat	Varies3 Credits(3-Grican-Americans. The courtation.3 Credits3 Credits(3-ng its economic growth, its3 Credits3 Credits(3-	-0-3) rse -0-3) s rise -0-3)
Directed readings and other HIST 4301 A study of the ideas, institution incorporates the philosophic HIST 4411 A survey of British history as a world power, and its roce HIST 4601 An appraisal of the social, power with emphasis on the 20th of HIST 4701 A study of major themes in	r activities related to particular topic in the discipline. History of African-American Thought tional practices, values, and ideologies embraced by African and separ History of Modern Britain since the revolution of the seventeenth century, includir ole in the world today. Latin America in the Modern World political, economic, and intellectual development of Lat Century. African History Before 1800 the history of Africa prior to 1800: the African physica ation, the spread of Islam, the slave trade, the beginning	Varies3 Credits(3-frican-Americans. The cour- ration.3 Credits3 Credits(3-in g its economic growth, its3 Credits(3-in America since independ3 Credits3 Credits(3-a credits(3-a credits(3-a credits(3-a credits(3-	-0-3) rse -0-3) s rise -0-3) lence -0-3)
Directed readings and other HIST 4301 A study of the ideas, institution incorporates the philosophic HIST 4411 A survey of British history as a world power, and its rock HIST 4601 An appraisal of the social, power with emphasis on the 20th of HIST 4701 A study of major themes in civilizations and state formation significant cultural develop HIST 4702	r activities related to particular topic in the discipline. History of African-American Thought tional practices, values, and ideologies embraced by African listory of Modern Britain since the revolution of the seventeenth century, includi- ble in the world today. Latin America in the Modern World colitical, economic, and intellectual development of Lat Century. African History Before 1800 the history of Africa prior to 1800: the African physica- ation, the spread of Islam, the slave trade, the beginning ments. African History Since 1800 the history of Africa since 1800: major cultural develop	Varies 3 Credits (3- frican-Americans. The cour- tation. 3 Credits (3- 3 Credits (3- (3- ing its economic growth, its 3 Credits (3- 3 Credits (3- (3- in America since independ 3 Credits (3- 3 Credits (3- (3- a Credits (3-	-0-3) rse -0-3) s rise -0-3) lence -0-3) , and -0-3)

HIST 4801	History of China Since 1600	3 Credits	(3-0-3)
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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.

Twentieth Century East Asian Economic History HIST 4805 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 (3-0-3)**3** Credits A review of general historical time-lines of United States and world history with reference to trends in historiography and historical interpretations as well as a review of library research skills.

Homeland Security and Emergency Management

HSEM 2101

Introduction to HSEM

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

3 Credits **HSEM 3122 International Humanitarian Law** (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

Diversity Issues in HSEM

3 Credits (3-0-3)

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 3250Risk & Vulnerability Assessment3 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 3260Terrorism in the Modern World3 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.3 Credits

HSEM 3360The Intelligence Community & the Intelligence Process3 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 3400Public Health Issues in HSEM3 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.3 Credits

HSEM 3510Introduction to Geographic Information System3 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.3 Credits(3-0-3)

HSEM 3702Critical Infrastructure Protection3 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 3822Tools for Decision-making in HSEM3 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)
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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:* HSEM 3250

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 exami	ning the major issues in homeland security and emergency	management. Studer	nts will
produce a research project	ct.		

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 (3-0-3)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 3 Credits **Junior Honors Seminar** (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

3 Credits

project during their senior year. Course work includes intensive reading, research and writing peer reviews, and critical inquiry across academic disciplines.

HONS 4101

Senior Honors Seminar

This course is designed as a capstone for majors in the honors program. Students will combine their acquired knowledge to produce a piece or 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

INTM 3101 Motion & Time Study **3** Credits (3-0-3)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.

Cost Estimating (3-0-3)**INTM 3201 3** Credits A study of preparing detailed cost estimates for new and existing products. The course content is divided into the following areas: labor costs, materials cost, accounting principles, forecasting, operation and product estimating, and engineering economics.

INTM 3301 Production & Inventory Control 3 Credits (3-0-3)A study of selecting and installing a computerized inventory control system such as Material Requirements Planning (MRP). The following topics are included: forecasting, master production scheduling, material requirements planning, inventory management, production activity control, and critical path scheduling.

Integrated Science

ISCI 1101 3 Credits **Integrated Science I** (3-0-3)Nature, physical properties, structure and evolution of the physical universe, nuclear energy and the atom, cosmology, the nature of energy and its conservation.

ISCI 1111K Integrated Science II 4 Credits (4-0-4)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

MGNT 3165 Management of Organizations 3 Credits (3-0-3)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.

LIBR 1101

Research Topics

2 Credits (2-0-2)

3 Credits

(3-0-3)

MGNT 3185Operations Management3 Credits(3-0-3)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 3196Entrepreneurship and Small Business Management3 Credits(3-0-3)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 3300Organizational Behavior & Theory3 Credits(3-0-3)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 31653 Credits
(3-0-3)

MGNT 4110Leadership in Organizations3 Credits(3-0-3)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 4165Human Resource Management3 Credits(3-0-3)A course focusing on the principles, practices, and scientific techniques and methods involved in the developmentand operation of an effective personnel and industrial relations program. The topics covered include the methodsand procedures used by business management in recruiting, selecting, and maintaining an efficient work force.Prerequisite(s):MGNT 3165

MGNT 4168International Business Management3 Credits(3-0-3)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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This course will examine human resources planning, recruiting, and selection followed by a detailed investigation of training needs analysis, developing training programs, evaluation of training, and implementing personnel development programs.

Prerequisite(s):MGNT 4165

MGNT 4204

Creativity and Entrepreneurship

3 Credits (3-0-3)

This course will provide both a theoretical and practical review of the creative and innovative processes within organizations and how ideas are translated into novel products and processes. The content will take a multilevel perspective such that we will discuss the creative process of individuals, how creativity and innovation occur within teams, and the implementation of innovative ideas at the organizational level. *Prerequisite(s)*:MGNT 3165

MGNT 4221Social Entrepreneurship3 Credits(3-0-3)This course introduces students to the field of social entrepreneurship and the best practices of starting and
growing successful mission- driven ventures. This field is rapidly garnering attention around the world from
entrepreneurs, investors, philanthropists, foundations, and consulting firms. Social ventures aim to achieve a
"double bottom line" with meaningful social returns, as well as sustainable or competitive financial returns –
through their products, services and other business practices. This course will guide students in developing
entrepreneurial solutions to educations, healthcare, environment, workforce development, international
development and other large societal issues.

Prerequisite(s):MGNT 3165

MGNT 4231Family Business Management3 Credits(3-0-3)This course explores the unique challenges and opportunities involved in owning and/or managing a family
business. By attending the class, students learn to identify and address challenges related to responsible ownership,
succession, corporate governance, and family governance. Both family and non-family members' perspectives are
explored and addressed.

Prerequisite(s):MGNT 3165

MGNT 4800Contemporary Topics in Management3 Credits(3-0-3)An elective for management majors, this course will address management topics of special interest. The topics may
include, but are not limited to, crisis management, organizational communications and data management,
compensation management, business ethics, organizational change, leadership, managing non-profits, management
of risk, or case studies in management.

Prerequisite(s):MGNT 3165

Marketing

MKTG 3175Principles of Marketing3 Credits(3-0-3)A comprehensive overview of the marketing process for goods, services and ideas. The course is taught from a
marketing management and decision-making perspective. Topics such as the organization's environment,
marketing research, and buyer behavior are discussed as the context in which marketing plans and strategy are
formulated. In addition, the marketing decision elements, product, distribution, promotion, and price are examined.
Finally, topics such as international marketing, service marketing, and nonprofit marketing are explored.
Prerequisite(s):Junior standing or 42 hour rule

MKTG 3176Professional Selling3 Credits(3-0-3)Course designed to introduce the basic principles and techniques of professional selling. Students build strategiesfor effective selling and practice approaches to presenting products, handling objections, and closing sales. Theeconomic and psychological motives of the buyer are examined in both industrial and consumer goods andservices markets. Some special topics such as telemarketing and sales technologies are also introduced.Prerequisite(s):MKTG 3175

MKTG 3178

Consumer Behavior

3 Credits (3-0-3)

An examination of the basic concepts and research results from marketing and the social sciences with the goal of enabling marketers to better understand customers and meet their needs. The decision process of buyers, factors affecting purchasing decisions, and customer satisfaction are major conceptual areas of the course. Implications for marketing strategies (e.g., market segmentation and product design and promotion) are discussed. *Prerequisite(s)*:MKTG 3175

MKTG 3179 Global Electronic Business 3 Credits (3-0-3) This course focuses on the role of merketing in electronic commerce. The technologies of electronic commerce

This course focuses on the role of marketing in electronic commerce. The technologies of electronic commerce, web-based marketing strategies, and the use of the Internet to improve management and marketing operations are discussed.

Prerequisite(s):MKTG 3175 and CISM 2130

MKTG 3186Sales Management3 Credits(3-0-3)This course studies the planning, organizing, staffing, directing and controlling of sales force activities. The course
emphasizes sales territory design, staff leadership, sales coaching and motivation, and cost analysis.
Prerequisite(s):MKTG 31753 Credits(3-0-3)

MKTG 4116Marketing Research3 Credits(3-0-3)A course that examines the scientific method as applied to marketing research problems. The use of primary and
secondary information for management decision-making is examined. Survey design, questionnaire construction,
sampling processes, and data analysis are studied in depth. The course requires the extensive use of the compute
for word processing and statistical analysis (SPSS & LISREL).
Prerequisite(s):BUSA 2182 and MKTG 3175

MKTG 4175Advertising & Promotion3 Credits(3-0-3)A course that examines advertising as a business and as a multidisciplinary subject that draws from both the arts
and sciences. The first half of the course takes an analytical perspective, focusing on the history of advertising, as
well as the social, legal, ethical, and economic issues. The second half of the course assumes a managerial
perspective as students learn about the advertising process and create an advertising campaign.
Prerequisite(s):MKTG 3175

MKTG 4176Contemporary Topics in Marketing3 Credits(3-0-3)An elective for marketing majors. The course contains a variety of topics that are offered annually on a rotating
basis. These topics may include, but are not limited to, buyer behavior, database marketing, channels of
distribution, transportation and logistics, or case studies in marketing.

3 Credits(3-0-3)Prerequisite(s):MKTG 3175

MKTG 4179International Marketing and Export Management3 Credits(3-0-3)A course that focuses on the marketing mix issues that are faced by large and small multinational organizations.Marketing decisions related to product line, branding, communications, distribution, and pricing are addressed.Prerequisite(s):MGNT 3165 and MKTG 3175

MKTG 4185Marketing Management3 Credits(3-0-3)This course is designed as the capstone course in the marketing curriculum. Students will integrate materials
learned in previous marketing course and apply marketing principles to solve actual business problems. The
emphasis will be on planning, operation, and control of marketing activities. Case studies and stimulation games
where students market one or more products are used to present "real life" situations. The emphasis will be on the
analysis of marketing information and on the skills involved when making marketing decisions. Students will be
required to prepare a marketing plan for a local business or nonprofit organization.
Prerequisite(s):MKTG 3175 and nine (9) hours of additional marketing courses3 Credits
(3-0-3)

Mathematics Education

MAED 2201Mathematics Literacy for Diverse Learners3 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 3002Connections in Secondary Mathematics3 Credits(3-0-3)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
batware different methametical areas methametical areas methametical areas methametical areas methametical areas and asianees methametica and other subject areas and

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)

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) 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 4417Practicum in Teaching Secondary School Mathematics3 Credits(3-0-3)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, criticalthinking, and problem solving. The course will also examine strategies and skills to engage creatively mathematicsstudents and master teaching and assessment techniques appropriate for the implementation of the current mathstate 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 0997Support for Quantitative Reasoning2 Credits(2-0-2)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 0999Support for College Algebra2 Credits(2-0-2)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

Calculus I MATH 2101 4 Credits An integrated approach to differential calculus and an introduction to integral calculus. Topics include functions, graphs, the derivative, applications of the derivative, maxima and minima, velocity and acceleration, rates of change, antidifferentiation, the fundamental theorem of calculus, and basic integration techniques. Prerequisite(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

Calculus III 4 Credits A continuation of MATH 2111. Topics include plane curves, parametric equations, polar coordinates, vectors and geometry of space, vector-valued functions, functions of several variables, partial derivatives, and multiple integrals. Prerequisite(s):MATH 2111

MATH 1401 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

MATH 2121

Elementary Statistics

(4-0-4)

(4-0-4)

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 3101Linear Algebra3 Credits(3-0-3)Topics include matrix algebra, solutions of linear systems, vectors and vector spaces, linear independence,
spanning sets, bases, ranks, determinants, matrix inversion, linear transformations, null space, range, and
eigenvalues.
 Prerequisite(s):MATH 2111Scredits(3-0-3)MATH
3115/DATA
3115Mathematical Data Analytics3 Credits(3-0-3)The objective of this course is to provide conceptual as well as hands-on experience of working with big data set31

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 3201Probability & Statistics I3 Credits(3-0-3)Topics include sample spaces, elementary theorems of probability, permutations and combinations, random
variables, discrete and continuous distributions and density functions, mathematical expectation, and moment
generating functions of probability distributions.

Prerequisite(s):MATH 2111

MATH 3211Foundations of Higher Mathematics3 Credits(3-0-3)Topics include sets, prepositional calculus, truth tables, predicate calculus, universal and existential quantifiers,
proofs about sets, basic methods of proof, mathematical induction, relations and functions, and cardinality.

Prerequisite(s):MATH 2121

MATH 3301Differential Equations3 Credits(3-0-3)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.Proceedings

Prerequisite(s):MATH 2121

MATH 3311Mathematical Finance and Interest Theory3 Credits(3-0-3)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.
Prerequisite(s):MATH 2111

MATH 3401Modern Geometry4 Credits(4-0-4)A course designed to give a modern view of geometry, including advanced treatment of standard topics in
Euclidean geometry, as well as the study of non-Euclidean systems.

Prerequisite(s):MATH 2121(4-0-4)

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 3 Credits Analysis II (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 (3-0-3)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

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 4401

Number Theory

3 Credits

MATH 4421 Topics include matrix algebra, simple nonlinear regression, dummy variable <i>Prerequisite(s)</i> :MATH 3101 or MAT		3 Credits ltiple regression	, (3-0-3)
	Introduction to Topology of topology: set theory, the real number line, contin- he axioms of choice, and metric spaces.	3 Credits nuity, compactne	(3-0-3) ess,
MATH 4601 A course designed for students who waries from 1 to 3 hours. <i>Prerequisite(s):</i> Junior or senior stand	Mathematical Research vish to participate in mathematics seminars and inde	3 Credits ependent researc	(3-0-3) h. Credit
MATH 4701 The origin and development of mather selected topics in modern mathematic <i>Prerequisite(s):</i> MATH 2111	History of Mathematics ematical ideas, beginning with geometry and algebra cs.	3 Credits a and continuing	(3-0-3) through
MATH 4901 A course to develop students' use of a <i>Prerequisite(s)</i> :Junior Standing	Senior Seminar mathematical skills and a chance to explore a mathe	1-3 Credits matical concept	(V-0-V) in-depth.
MATH 4902 A course to develop students' use of <i>Prerequisite(s)</i> :Junior Standing	Senior Research/Internship mathematical skills and a chance to explore a mathe	3 Credits ematical concept	(3-0-3) in-depth.
MATH 4904 A discussion of current topics in math <i>Prerequisite(s)</i> :Senior standing or as		1-3 Credits	(V-0-V)
	Mechanical Engineering		
	Computer Solid Modeling 3D modelling utilizing software widely used in indu ometric shapes, 3D printing, and structural and flow		(2-2-3) nt. Topics
	Engineering Materials , and applications of metals, polymers, ceramics, an ills are developed in the areas of materials selection, <i>ite(s)</i> :CHEM 1211, 1211L		(2-2-3) ommonly
	Manufacturing Processes sses and tools commonly used to convert raw mater asting and forming process; the basic mechnisms of		
MECT 3301K A study of hydrostatics, viscosity, dir	Fluid Mechanics mensional constrainsts and fluid fow in pipes.	4 Credits	(3-2-4)
MECT 3411	Thermodynamics	4 Credits	(4-0-4)

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The fundamentals of thermodynamics. Use of gas tables will be introduced. Property relations for ideal gasses and incompressible liquid will be introduced. Application of fi rst and second laws to closed and open systems will be studied. Heat engines, refrigerators, heat pumps, availability, and irreversibility will be studied. Emphasis will also be placed on application of thermodynamics, i.e., on combustion, internal and external combustion cycles, gas turbine, compressors, refrigeration and air conditioning processes. *Prerequisite(s)*:PHYS 1111K

MECT 4101 Machine Design A study in the design of machines, and machine eleme nts. 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

MECT 4201K Robotics Application 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 s uppli es, motion control, sensors, grippers, control systems, robotic vision and maintenance. Prerequisite(s): CSCI 1301 or CSCI 1371

MECT 4211 Introduction to Mechatronics 3 Credits (2-2-3)This course will provide an introduction to mechatronics concepts and their applications in engineering practice. The fundamentals to unders tand 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 grou ps.

Prerequisite(s): ELET 3101K; CSCI 1301 or CSCI 1371

MECT 4301K Heat and Mass Transfer 4 Credits 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

MECT 4611 Lean Engineering **3** Credits (3-0-3)An overview and history of Lean and s ix-sigma will be discussed. Studies will include various tools of Lean including types of waste, Five S, Value Stream J Mapping (VSM), cellular manufacturing, Just in Time (JIT), pull system, and Total Quality Management (TOM). The benefits of Lean manufacturing implementation and its effect on operational performance will also discussed. Prerequisite(s): ENGT 3301

MECT 4621 Operations Research 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 programing, CPM and PERT, quenching theory, and simulation. Prerequisite(s): ENGT 3301

MECT 4701K Fundamentals of HVAC 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

MECT 4901 Propulsion Technology 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

(3-2-4)

4 Credits (4-0-4) MECT 4911Renewable Energy Concepts3 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, ti dal, and geothermal. The
course will explore society's present needs and future energy demands.

Prerequisite(s): MECT 3411

Middle Grades Education

MGED 2140Teaching Adolescent Learners in the Middle Grades3 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 3010Number Theory in Middle Grades Education3 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 3 Credits (3-0-3) Education

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 in3 Credits(3-0-3)Middle Grades Education

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 algebraic structure. Also included are content-related pedagogy and best-practice instructional strategies.

MGED 3020Inquiry and Literacy in Middle Grades Science3 Credits(3-0-3)This course focuses on addressing the demands required of students to comprehend discipline-specific scientifictext. 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)
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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 3022Physical Sciences in Middle Grade Education3 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.(3-0-3)

MGED 3023Earth & Space Sciences in Middle Grades Education3 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.3 Credits(3-0-3)

MGED 3030Adolescent Literature3 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.3 Credits(3-0-3)

Literary Forms and Media Literacy in3 Credits(3-0-3)MGED 3031Middle Grades Education

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 3032Reading Methods in Middle Grades Education3 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 applicat ions of literacy instruction and
assessment, and the diagnosis and remediation of reading disabilities are addressed.3 Credits(3-0-3)

Teaching Grammar and Writing Mechanics in Middle Grades3 Credits(3-0-3)MGED 3033Education

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 t ypes and traits of writing and writing inst ruction 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 3040US History in Middle Grades Education3 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 3041Geography in Middle Grades Education3 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 it relationship to patterns of cultural, governmental, and economic activities will be studied.

MGED 3042Government and Civics in Middle Grades Education3 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 3054Fundamentals of Economics in Middle Grades Education3 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.3 Credits(3-0-3)

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 4100Methods and Research in Middle Grades Education3 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.3 Credits(3-0-3)

MGED 4410Practicum in Teaching Middle Grades Social Studies3 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.3 Credits(3-0-3)

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 4412Practicum in Teaching Middle Grades Mathematics3 Credits(3-0-3)This course engages students in teaching concepts in middle grades mathematics with a focus on integrated STEMeducation 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 4413Practicum in Teaching Middle Grades Science3 Credits(3-0-3)This course engages students in teaching concepts in middle grades science with a focus on integrated STEMeducation 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

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

should be taken concurrently.

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 afteraction 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

Introduction to Marine Biology MSCI 1501K 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)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)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)
An introduction to physical	, chemical and geological oceanography.		

MSCI 2701K (3-1-4) **Aquarium Systems I 4** Credits Overview of the important physical, chemical, and biological components necessary to maintain a healthy captive environment. Emphasis is placed on knowledge of the cultured organism and recreating natural environments, within the limitations of current technologies. Introduces water filtration techniques and environmental maintenance strategies, Laboratories introduce common analytical techniques, culture maintenance and observation over the semester.

Prerequisite(s): MSCI 2010K or taken concurrently with instructor's permission.

MSCI 2702K Aquarium Systems II 4 Credits (3-1-4)A detailed investigation of aquatic maintenance systems, water filtration, wastewater treatment in small- and largescale 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)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)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 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 4 Credits Ichthyology (3-0-3)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

Invertebrate Zoology

4 Credits (4-0-4)

MSCI 3560/DATA 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 ENVS 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 3901Technical Writing & Seminar3 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 4201KMarine Ecology4 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 ENVS 32034 Credits(4-0-4)

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 4401KMarine Sediments4 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 ENVS 1121K

MSCI 4447Marine Mammalogy3 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.Particular attention isPrerequisite(s):Junior standing; MSCI 1810K or BIOL 1108+L

MSCI 4501Current Issues in Oceanography3 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

Undergraduate introduction to ocea vessels, by marine laboratories, and acoustic and mechanical basis for t and at-sea research data collection.	Oceanographic Instrumentation anographic instrumentation commonly used aboard of d remote sensing platforms. Discusses the physical, of hese instruments' operation. Presents common pract MSCI 2010K; or ENVS 2401/2401L	chemical, electric	al,
A A	Marine Conservation Biology conservation biology and applies them to examples biodiversity, analyze threats, and develop mechanism 08L or MSCI 1810K	•	
MSCI 4851 Content to be determined each sem	Special Topics	1-3 Credits	(V-0-V)
	Senior Research/Internship pervision, which includes researching the backgrour g and executing experiments. A written report/manus least junior standing	v .	
MSCI 4903 This class is intended as a continua and the faculty advisor are required <i>Prerequisite(s):</i> MSCI 4902 (may b		1-3 Credits 902. Consent of i	(V-0-V) nstructor
	Senior Seminar I graduate school options, prepare applications and c , review primary scientific literature, and produce ar		
	Music		
MUSC 1000 Recital Hour	Recital Hour	0 Credits	(0-0-0)
music from the baroque period to t	Music Appreciation th emphasizes the repertoire most frequently heard in the present. Course content includes jazz, American p ding Indian, Arabic, Indonesian, African, Japanese, a	oopular idioms, a	•
MUSC 1201 Course in rudiments of music desig	Fundamentals of Music gned for non-music majors.	3 Credits	(3-0-3)
MUSC 1311 Course in notation, time signatures reading and musical dictation.	Theory I , major and minor scales, intervals, melodic and rhyt	3 Credits thmic problems, s	(3-0-3) sight-
MUSC 1408 A course that focuses on band perfe	University Marching Band ormance and technique development. Freshman leve	1 Credit 1.	(1-0-1)
MUSC 1409 A continuation of MUSC 1408.	University Marching Band	1 Credit	(1-0-1)

	blied Major Area Band Instrument on studio for one hour a week by appointmen	1 Credit at only. Freshman level.	(1-0-1)
MUSC 1422 App A continuation of MUSC 1421.	blied Major Area Band Instrument	1 Credit	(1-0-1)
MUSC 1455 A course designed to expose student included.	Jazz Ensemble ts to composers and arrangers of jazz, rock, an	1 Credit nd soul music. Improvisa	(1-0-1) ation also
MUSC 1456 A course designed to expose student included.	Jazz Ensemble ts to composers and arrangers of jazz, rock, an	1 Credit nd soul music. Improvisa	(1-0-1) ation also
^	Applied Major Area Piano at of the proficiency in a specific area of appli elessons and periodic performance expected.	1 Credit ied music selected by the	(1-0-1) e student
	Jazz Ensemble ano playing. The course will cover practical p rmonization and study of solo repertoire.	1 Credit blaying skills, technical s	(1-0-1) study,
for all musicians. These skills include transposition, accompaniment, open melodies, ensemble playing, and per	Class Piano I equence of courses designed to develop the ke le keyboard technique (scales, arpeggios, etc. -score reading, performance of harmonic pro- formance of solo repertoire, Many of the theo his course by the playing of scales, arpeggios) sight-reading, improvis gressions, harmonization oretical concepts introdu	sation, 1 of 1ced in
The official choir of Savannah State	Basic Keyboard (non-majors) University. The choir studies and performs s aroque style to 20th century music and beyon an level.		
MUSC 1609 A continuation of MUSC 1608.	Choral Organization	1 Credit	(1-0-1)
performance skills. Singer musician	Applied Major Area Voice vocal technique, musical ability, interpretive of ship will be achieved through weekly lessons participation in performance opportunities.		
their personal singing ability. In the	Class Voice cian wo wishes to learn more about the vocal class voice setting, basic technical principles ility. Strategies are chosen, musical understar	are stressed in accordan	ce with
Opera/Musical Theatre Workshop is musical, linguistic and dramatic prep	pera/Musical Theatre Workshop s a select course for moderate to advanced cla paration of roles and scenes from the operatic ill learn more about the history and literature rograms, etc.)	, operetta and musical th	neatre

	Symphonic Band ussion ensemble of Savannah State University wh up performs at various functions on and off campu			
MUSC 1809 A continuation of MUSC 1808.	Symphonic Band	1 Credit	(1-0-1)	
MUSC 2101 Course covering concepts such as diato melody and bass, analysis of examples.	Theory II onic harmony, modulation, chromatic chords, mod	3 Credits es, harmonizatio	(3-0-3) on from	
MUSC 2408 A course that focuses on band performa	Band Organization ance and technique development. Sophomore Leve	1 Credit el.	(1-0-1)	
MUSC 2409 A continuation of MUSC 2408.	Band Organization	1 Credit	(1-0-1)	
MUSC 2421 An introduction to the principles of inst performance.	Instrument Methods I trumental performance and pedagogy. Focus on te	2 Credit chnique and gro	(2-0-2) Dup	
	blied Major Area Instrument studio for one hour a week by appointment only.	1 Credit Sophomore leve	(1-0-1) el.	
MUSC 2432 App A continuation of MUSC 2431.	plied Major Area Instrument	1 Credit	(1-0-1)	
MUSC 2455 A course designed to expose students to included.	Jazz Ensemble to composers and arrangers of jazz, rock, and soul	1 Credit music. Improvis	(1-0-1) sation also	
MUSC 2456 A course designed to expose students to included.	Jazz Ensemble to composers and arrangers of jazz, rock, and soul	1 Credit music. Improvis	(1-0-1) sation also	
MUSC 2522Keyboard I2 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. Prerequisite(s):MUSC 1201 or 1542				
MUSC 2534 Applied Major Piano	Applied Major Piano	1 Credit	(1-0-1)	
for all musicians. These skills include k transposition, accompaniment, open-sc melodies, ensemble playing, and perfor	Class Piano III nence of courses designed to develop he keyboard teyboard technique (scales, arpeggios, etc.) sight-r ore reading, performance of harmonic progression rmance of solo repertoire, many of the theoretical course by the playing of scales, arpeggios and cho	eading, improvi s, harmonizatio concepts introdu	isation, on of uced in	

MUSC 2608	Choral Organization	1 Credit	(1-0-1)

	rd choral literature encompassing music from the pr makes appearances in support of the University. So		e to 20th
MUSC 2609 A continuation of MUSC 2608.	Choral Organization	1 Credit	(1-0-1)
	Applied Major Voice of proficiency in a specific area of applied music sel as scheduled and periodic performances expected	1 Credit lected by the stu	(1-0-1) Ident with
MUSC 2645 Students will learn healthy vocal techn repertoire. Students will learn a classic	Vocal Performance I niques, and then study several songs and apply the te cal vocal approach.	2 Credits echniques to the	(2-0-2) new
MUSC 2646 Students will learn healthy vocal techn repertoire. Students will learn a classic	Voice Performance II niques, and then study several songs and apply the te cal vocal approach.	2 Credits echniques to the	(2-0-2) new
	Symphonic Band cussion ensemble of Savannah State University wh oup performs at various functions on and off campu		
MUSC 2809 A continuation of MUSC 2808.	Symphonic Band	1 Credit	(1-0-1)
	African-American Music asic and its influence upon the development of spirit can music to both popular and classical traditions stu		(3-0-3) as, and
A course built around jazz, gospel and	can American Music at the Piano I spiritual repertoire at the piano. The student will le student will learn of the influence of African Amer		
	Theory III Form & Analysis From the eighteenth century to the present, including osers.	2 Credits g melodic and h	(2-0-2) armonic
A survey of the history of music from	istory & Literature of Music I the beginning of the Christian era to the Baroque p by major composers, together with a comprehensive		
	story & Literature of Music II ning with the Baroque period to the present.	3 Credits	(3-0-3)
MUSC 3321 An introduction to the principles of in performance.	Instrumental Methods I Istrumental performance and pedagogy. Focus on te	2 Credits echnique and gro	(2-0-2) oup
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

MIDI, MIDI sequencing and notation	Music Production purse focusing on the software and/hardware comp on. Students will prepare digital music files by usin	ng editing, and mix	king tools.	
Students will complete independent MUSC 3408 University Marching Band	projects in the areas of music notation, MIDI sequ University Marching Band	encing, and film s 1 Credits	scoring. (1-0-1)	
MUSC 3421 A private lesson held in the percussi	Instrumental Methods I on studio for one hour a week by appointment onl	2 Credits y. Junior level.	(2-0-2)	
MUSC 3422 A continuation of MUSC 3421.	Instrumental Methods II	2 Credits	(2-0-2)	
MUSC 3455 A course designed to expose student included.	Jazz Ensemble ts to composers and arrangers of jazz, rock, and so	1 Credit ul music. Improvi	(1-0-1) sation also	
MUSC 3456 A course designed to expose student included.	Jazz Ensemble ts to composers and arrangers of jazz, rock, and so	1 Credit ul music. Improvi	(1-0-1) sation also	
ensemble development will be addre	Accompaniment to the art of piano collaboration. Practical skills in essed. Time will be devoted to exploring standard ntended to prepare the student to graduate study as	works from the vo	ocal and	
MUSC 3534 Applied Major Piano	Applied Major Piano	1 Credit	(1-0-1)	
MUSC 3560Piano Pedagogy1 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. Prerequisite(s): MUSC 3531				
	Choral Organization dard choral literature encompassing music from the ir makes appearances in support of the University.		(1-0-1) le to 20th	
MUSC 3609 A continuation of MUSC 3608.	Choral Organization	1 Credit	(1-0-1)	
	Applied Major Area—Voice nt of proficiency in a specific area of applied music e lessons scheduled and periodic performances exp		(1-0-1) tudent	
MUSC 2/45		10 14	(1 0 1)	

MUSC 3645	Applied Major Area—Voice	1 Credit	(1-0-1)
A continuation of MUSC 3644.			

MUSC 3646 Continuation of MUSC 2646 which in	Voice Methods ncludes more challenging vocal repertoire.	1 Credit	(1-0-1)
MUSC 3651 A course to assist students with the pr vocal performance.	Vocal Diction I ronunciation and sounds of English, Italian, I	1 Credit French, and German fo	(1-0-1) or good
MUSC 3652 A continuation of MUSC 3651.	Vocal Diction II	2 Credits	(2-0-2)
MUSC 3653 Methods and materials for the studio.	Vocal Pedagogy	2 Credits	(2-0-2)
Opera/Musical Theatre Workshop is a musical, linguistic and dramatic prepa	era/Musical Theatre Workshop a select course for moderate to advanced class aration of roles and scenes from the operatic, l learn more about the history and literature operams, etc.)	operetta and musical	theatre
MUSC 3751 A study of the techniques of conducting	Conducting ng and interpretation of instrumental and cho	3 Credits oral literature.	(3-0-3)
	Chamber Organization cussion ensemble of Savannah State Universoup performs at various functions on and off		
MUSC 3809 A continuation of MUSC 3808. Junio	Chamber Organization r level.	1 Credit	(1-0-1)
A continuation of MUSC 3808. Junio MUSC 4010	r level. Contemporary Music e 1900 with emphasis upon recent developme	3 Credits	(3-0-3)
A continuation of MUSC 3808. Junio MUSC 4010 A study of compositions written since techniques, and new media of musical MUSC 4011 Theory	r level. Contemporary Music e 1900 with emphasis upon recent development l expression. IV: Counterpoint and Composition from the eighteenth century to the present, in	3 Credits ents in form, composit 3 Credits	(3-0-3) ional (3-0-3)
A continuation of MUSC 3808. Junio MUSC 4010 A study of compositions written since techniques, and new media of musical MUSC 4011 Theory A study of the construction of music f analysis of selections by major compo <i>Prerequisite(s):</i> MUSC 3111 MUSC 4408	r level. Contemporary Music e 1900 with emphasis upon recent development l expression. IV: Counterpoint and Composition from the eighteenth century to the present, in	3 Credits ents in form, composit 3 Credits acluding melodic and h 1 Credit	(3-0-3) ional (3-0-3)
A continuation of MUSC 3808. Junio MUSC 4010 A study of compositions written since techniques, and new media of musical MUSC 4011 Theory A study of the construction of music f analysis of selections by major compo <i>Prerequisite(s):</i> MUSC 3111 MUSC 4408	r level. Contemporary Music e 1900 with emphasis upon recent development l expression. IV: Counterpoint and Composition from the eighteenth century to the present, in osers. Band Organization	3 Credits ents in form, composit 3 Credits acluding melodic and h 1 Credit	(3-0-3) ional (3-0-3) narmonic
A continuation of MUSC 3808. Junio MUSC 4010 A study of compositions written since techniques, and new media of musical MUSC 4011 Theory A study of the construction of music f analysis of selections by major compo <i>Prerequisite(s):</i> MUSC 3111 MUSC 4408 A course that focuses on band perform MUSC 4409 A continuation of MUSC 4408. MUSC 4420	r level. Contemporary Music e 1900 with emphasis upon recent development l expression. IV: Counterpoint and Composition from the eighteenth century to the present, in osers. Band Organization nance and technique development .Senior levelopment .	3 Credits ents in form, composit 3 Credits acluding melodic and h 1 Credit vel. 1 Credit 2 Credits	(3-0-3) ional (3-0-3) narmonic (1-0-1) (1-0-1) (2-0-2)
A continuation of MUSC 3808. Junio MUSC 4010 A study of compositions written since techniques, and new media of musical MUSC 4011 Theory A study of the construction of music f analysis of selections by major compo <i>Prerequisite(s):</i> MUSC 3111 MUSC 4408 A course that focuses on band perform MUSC 4409 A continuation of MUSC 4408. MUSC 4420 A course designed to use comprehense music. MUSC 4421	r level. Contemporary Music e 1900 with emphasis upon recent development l expression. IV: Counterpoint and Composition from the eighteenth century to the present, in osers. Band Organization nance and technique development .Senior let Band Organization Instrumental Pedagogy	3 Credits ents in form, composit 3 Credits acluding melodic and h 1 Credit vel. 1 Credit the repertoire of instruct 1 Credit	(3-0-3) ional (3-0-3) narmonic (1-0-1) (1-0-1) (2-0-2)

The course is designed to introduce students to the art of piano collaboration. Practical skills including sightreading 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 4534Applied Major Area Piano1 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 4536Keyboard II3 Credits(2-0-2)Involves a higher level of technical proficiency concentrating on repertoire from the Romantic and Impressionisticeras. Prerequisite(s):MUSC 2522

MUSC 4455Jazz Ensemble1 Credit(1-0-1)A course designed to expose students to composers and arrangers of jazz, rock, and soul music. Improvisation also
included.

MUSC 4456Jazz Ensemble1 Credit(1-0-1)A course designed to expose students to composers and arrangers of jazz, rock, and soul music. Improvisation also
included.

MUSC 4608Choral Organization1 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.0

MUSC 4609	Choral Organization	1 Credit	(1-0-1)
A continuation of MUSC 4608.			

MUSC 4611Accompaniment1 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 35310r permission from the instructor1 Credit(1-0-1)

MUSC 4645Musical Theatre3 Credits(3-0-3)This course explores the origins of the Musical Theatre in the United States and the African AmericanContribution to the American Musical. Students will learn the different forms of musical theatre and develop a fullproduction, with orchestra, scenery, choreography and choral.

MUSC 4711Opera/Musical Theatre Workshop1 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 4808Chamber Organization1 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.1 Credit(1-0-1)

A continuation of MUSC 4808.

MUSC 4999 Seminar/Practicum/Internship 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.

Chamber Organization

Prerequisite(s):completion of 30 credit hours in BFA major

Naval Science

NSCI 1001 Introduction to Naval Science 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.

(3-0-3)**NSCI 1002 Seapower & Maritime Affairs 3** Credits

A survey of American Naval and Maritime history from the American Revolution to the present with emphasis on major developments. Attention will be focused on Mahan's geopolitical theory; economic and maritime forces; U.S. military and maritime strategy; and a comparative analysis of American and foreign maritime strategies.

NSCI 2101 Naval Ships Systems I Engineering 3 Credits (3-0-3)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 3 Credits Leadership & Management (3-0-3)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 3 Credits Navigation (3-0-3)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.

3 Credits (3-0-3)

3 Credits (3-0-3)

(1-0-1)

1 Credit

(3-0-3)NSCI 3101 **Evolution of Warfare 3** Credits This course traces the historical development of warfare from the dawn of recorded history to the present, focusing on the impact of major military theorists, strategist, tacticians, and technological developments. Students acquire a basic sense of strategy, development and understanding of military alternatives, and become aware of the impact of historical precedent on military thought and actions.

NSCI 4001 3 Credits **Naval Ships Systems II Weapons** (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 commandcontrol- communications and intelligence is explored as a means of weapons systems integration as are space and electronic warfare.

NSCI 4050 Naval Drill 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.

Leadership and Ethics NSCI 4104 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

Introduction to Philosophy

3 Credits (3-0-3)

0 Credits (0-0-0)

The basic survey course of the field of philosophy. An introduction to logic, ethics, ontology, and religion, etc., as a basis for additional study in philosophy. Required for concentration in Religious and Philosophical Studies.

PHIL 2030 Introduction to Ethics This course examines the philosophical study of morality--the justification of moral judgments and actions, as well as the concepts of right and wrong, duty, and character. Philosophers include Aristotle, Immanuel Kant, John Stuart Mill, and may include other influential thinkers from the Western tradition, as well as contemporary moral theorists.

PHIL 2500 Principles of Logic 3 Credits (3-0-3)An introduction to the systematic study of reasoning from the time of Aristotle and Plato through such modern thinkers as Boole and Toulmin.

Prerequisite(s):PHIL 2010 or permission of the instructor

PHIL 3101 3 Credits **Philosophy of Religion** (3-0-3)A study of philosophical concepts associated with religion and religious experience.

Prerequisite: PHIL 2010 or permission of the instructor

PHIL 3102 Philosophy of Love & Sex **3** Credits This course examines the changing philosophical significance of the conceptions and depictions of love and sex. *Prerequisite(s)*:PHIL 2010 or permission of the instructor

This course examines the changing philosophical significance of the conceptions and depictions of love and sex. *Prerequisite(s)*:PHIL 2010 or permission of the instructor

PHIL 3103 Philosophy of Film 3 Credits (3-0-3)This course explores questions about the aesthetic dimensions of film, examines film as an art form, and focuses on philosophical questions about the nature of film, as well as philosophical questions generated by selected films. *Prerequisite(s)*:PHIL 2010 or permission of the instructor

3 Credits **Philosophies of the African-American Experience** (3-0-3)PHIL 4211 A study of philosophical analyses and reflections relevant to the experiences of African-Americans. Will consider works and ideas of such historical figures as W.E.B. Du Bois and Alain Locke and contemporary thinkers such as bell hooks.

Prerequisite(s):PHIL 2010 or permission of the instructor

PHIL 4411 Philosophical Issues 3 Credits (3-0-3)An exploration of such topics as the nature of being, freedom and determinism, language and meaning, the concept of beauty, and the mystery of death.

Prerequisite(s):PHIL 2010 or permission of the instructor

Physical Sciences

ENVR 3101K

Environmental Radiation 3 Credits (3-0-3)A study of radioisotopes and radiation energy in the environment. Topics to be discussed are atomic structure and nuclear radiation, radioactive decay, interaction of charged particles and electrons with matter, methods of radiation detection, radiation dosimetry and radiation protection. Prerequisite(s): PHYS 1111K, PHYS 1112K, and General Inorganic Chemistry

GEOL 1121K A course designed for students majoring in environmental science. The course is also useful for students majoring

Physical Geology

4 Credits (4-0-4)

in civil engineering, marine science, and naval science who may take it as an elective. Topics include composition of the earth and its minerals, volcanoes, and earthquakes and their causes.

Prerequisite(s):MATH 1111 and basic knowledge of chemistry and physics

3 Credits (3-0-3)

(3-0-3)

An introductory course, which includes algebra and trigonometry are examined <i>Prerequisite(s)</i> :MATH 1113	material from mechanics, thermodynam
PHYS 1112K An introductory course, which includes algebra and trigonometry are examined <i>Prerequisite(s)</i> :PHYS 1111K	Introductory Physics II material from electromagnetism, optics,
PHYS 2211K An introductory course, which includes differential calculus is used. <i>Prerequisite(s):</i> MATH 2101 or MATH	Principles of Physics I material from mechanics, thermodynam
PHYS 2212K An introductory course, which includes differential and integral calculus are ex <i>Prerequisite(s):</i> PHYS 2211K	Principles of Physics II material from electromagnetism, optics, amined.
Mathematical background and preparat (temperature and temperature scales, he	Heat & Thermodynamics ion, equations of state, ideal and real gase eat capacity and calorimetry, work, Laws Thomas experiment, entropy functions, fro
PHYS 3121 Advanced topics in optics; a continuation	Optics on of PHYS 2212K.

3 Credits (3-0-3)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 **Mathematical Physics 3** Credits **PHYS 3211** (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 **3** Credits **PHYS 4111 Modern Physics** (3-0-3)

Recent advances in atomic and nuclear physics. *Prerequisite(s)*:MATH 2111, PHYS 2212K and at least one upper-level physics course

PHSC 1012K

PHSC 1011K

Physical Science II 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)nics, and waves. Elementary

4 Credits (3-1-4), and modern physics. Elementary

4 Credits (4-0-4)nics, and waves. Elementary

4 Credits (4-0-4), and modern physics. Elementary

3 Credits (3-0-3)es, kinetic theory of gases s of Thermodynamics), the enthalpy ree energy, phase rule.

Physical Science I A course examining scientific facts and scientific laws pertaining to the physical universe.

(4-0-4)

4 Credits

4 Credits (4-0-4)

An introduction to the techniques and procedures used in physics research problems. *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

POLS 1101 American Government 3 Credits (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.

POLS 2101 Introduction to Political Science 3 Credits (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

POLS 2201 3 Credits **State & Local Government** (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.

POLS 2401 Global Issues 3 Credits (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.

POLS 2601 Introduction to Public Administration 3 Credits (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.

POLS 3101 International Politics 3 Credits (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.

POLS 3102 Comparative Government & Politics 3 Credits (3-0-3)A study of the methods, political environment, political structures, participation and socialization, public policy processes of selected political systems.

3 Credits **POLS 3121 International Law** (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

POLS 3131 International Organizations 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

POLS 3141	African Government & Politics	3 Credits	(3-0-3)

PHYS 4951

Introduction to Research in Physics

2 Credits (2-0-2)

3 Credits (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.

Prerequisite(s):POLS 1101

Applied skills in Geographic Infor private sector planning, engineerin This course is an introduction to G has three objectives: (1) to familiar working with common sources of spatial information to recognize th	action to Geographic Information Systems mation Systems (GIS) are required for many entry ag, public health, community development and nature deographic Information Systems (GIS) for undergra- rize students with the application of GIS software a spatial data and analysis techniques. (2) To produce e perils of misrepresenting spatial data and the real a job market that demands GIS skills and spatial lite	ural-resource manag aduate students. Thi and provide experie e intelligent consur l-world implication	gement. is course ence ners of
•	Gender & Politics ween gender roles and the political systems; empha p recruitment and political participation, policy-ma		•
	Urban Politics as, political processes, political conflict in metropo in political institutions, processes, and solutions to		
POLS 3813 An introduction to the basic conce design, and revitalization of high c	Introduction to Urban Planning pts, principles, and theories of urban planning, incl lensity populations.	3 Credits luding the developm	(3-0-3) nent,
POLS 3901	Internship	Credit Varies	(V-0-V)
	• •	a government or pri	
members or resulting from student	Special Topics r different courses to be offered based on various to requests. This will allow for current issues to be ac ourse will be taught as a regular course with several).	Idressed, as well as	courses by
POLS 4101 A study of the legal processes rela abatement of pollution of air, land	Environmental Law ting to resource conservation, utilization, and the n , and water.	3 Credits nonitoring, control,	(3-0-3) and
	Political Theory approaches to the basic political concepts in their h 1102; and POLS 2101 or permission of the instruc		(3-0-3)
POLS 4211 An analytical review of the writing recent political ideologies. <i>Prerequisite(s)</i> :POLS 2101, POLS	Contemporary Political Theory g of great thinkers from the end of the Middle Ages	3 Credits s to the present; emp	(3-0-3) phasis on
POLS 4221	American Political Thought	3 Credits	(3-0-3)

A study of origins and development o on black political thought and current	f American political thought from the colonial period liberal-conservative debate.	od to the present,	emphasis
POLS 4311 An introduction and examination of t Latin America. <i>Prerequisite(s):</i> POLS 3102	Legislative Process he political systems of selected countries in Africa,	3 Credits Asia, Caribbear	(3-0-3) n, and
POLS 4501 An examination of the role of the meand its role as a check on the presider	The Media & Politics dia in American politics; includes the media's impa nt and other elected officials.	3 Credits act on the elector	(3-0-3) ral process
	Public Policy ent perceives public issues, processes them, and exe making theories; emphasis on case studies. S 2601	3 Credits cutes public poli	(3-0-3) icies; an
An analysis of the evolution, nature, a	arty Politics & Voting Behavior and role of American political parties; an examination ting behavior with emphasis on the problems and m		
POLS 4601 A survey of the objectives and the for <i>Prerequisite(s)</i> :POLS 1101	American Foreign Policy rmulation of American foreign policy.	3 Credits	(3-0-3)
A study of organizations and process	nerican National Security Policy es involved in the formulation and execution of An eaucratic politics, and the programming and budget ssion of instructor		(3-0-3) security
POLS 4901 An examination of selected topics in <i>Prerequisite(s)</i> :Permission of the inst	Senior Seminar political science. Open only to senior majors. tructor	3 Credits	(3-0-3)
Independent study, on-line and print- subjects outside of the traditional class student under the direction of a select average of 3.00 is required. Exception circumstances. *Note - An independent chairperson prior to a student's enroll	Directed Independent Study based, is designed to offer the individual student ar ssroom setting. The specific course requirements wi ted instructor who possesses expertise in the subject has to the 3.00 average may be made for students und ent study form must be signed by the instructor of re- liment in the course. A statement regarding the cond- erepeated must be clearly stated in the description (ill be formulated t matter. A grade der extenuating ecord and the de litions and credi	by the point partment t/semester
Psychology			

PSYC 1101Introduction to General Psychology3 Credits(3-0-3)This introductory survey course explores the scientific study of human nature, behavior, and cognitive processes.The major areas of psychological study will be reviewed including history, biology, memory, learning,
development, personality, abnormal and social psychology. Emphasis will be placed on applying psychological
principles and data to life experiences.

PSYC 2103

Human Growth & Development	3 Credits	(3-0-3)
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Prerequisite(s):PSYC 1101 **Theories of Personality 3** Credits **Health Psychology 3** Credits **PSYC Psychology of the African-American Experience 3** Credits 4311 Prerequisite(s):PSYC 1101 Humanistic Psychology **3** Credits Prerequisite(s):PSYC 1101 **Diagnostic Psychology 3** Credits

Prerequisite(s):PSYC 1101 **Test & Measurements 3** Credits

PSYC 3401 (3-0-3)An introduction to measurement which covers statistical methods, research designs and research problems and the administration and evaluation of psychological tests.

PSYC 4101 (3-0-3)

An exploration of the theoretical basis of personality with emphasis on structure, dynamics, personality, development, normal and deviant behavior, attitudes, beliefs, and opinions. Prerequisite(s):PSYC 1101, 3301

PSYC 4201 (3-0-3)An analysis of the concept of the healthy personality and mental functioning as responding constructively to stress rather than merely adapting or adjusting to stress.

Prerequisite(s):PSYC 1101 (3-0-3)4311/AFRS

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

PSYC 4501 (3-0-3)A study of the individual and his relationship; individual perception, personality, motivation and self-esteem as the bases for individual self-actualization in relationships with other individuals, organization, and society.

PSYC 4601 (3-0-3)An examination of the traditions and controversies that arise in diagnosing psychiatric disorders, with specific attention to diagnostic principles, procedures, assessment, techniques, testing, and socio-cultural factors. Prerequisite(s):PSYC 1101

PSYC 4602	Special Topics in Psychology	3 Credits	(3-0-3)
Special Topics in Psychology			
Prerequisite(s):PSYC 1101			
PSYC 4701	Abnormal Psychology	3 Credits	(3-0-3)
Covers the contemporary approach to the description and understanding of maladaptive and pathological human			

processes. The varieties of abnormal experiences and behavior will be presented and discussed. The study method

An introductory, non-laboratory based examination of human development across the life span with an emphasis on normal patterns of physical, cognitive and social development.

PSYC 3301

Prerequisite(s):PSYC 1101

PSYC 3311

settings.

social perception will be emphasized.

Social Psychology

including human function in small groups, in societies, and in cross-cultural perspectives; attitudes, motives, and

Group Process

A utilization of group dynamics and counseling techniques to develop self-awareness and team-awareness in managing the problems, stresses, and challenges of life. The course is designed to identify dysfunctional patterns and to move toward more effective and creative modes of functioning in the work, family, and community

3 Credits (3-0-3)

3 Credits

A study of individuals and their social context, beginning with the study of the social behavior of animals and

(3-0-3)

will be used in providing a comprehensive review of current approaches to the recognition and categorization of mental disorders. Causes and treatment of psychopathology will be discussed. *Prerequisite(s)*:PSYC 1101, 4101

Religious Studies

RELS 2050 This course is a study of selected we conceptual, scriptural, and doctrinal	Religions of the World orld religions with concentration on the origin and development of these religions	3 Credits ad major periods of the	(3-0-3) he
A A A	as Literature: Intro to the Hebrew Bible	3 Credits	(3-0-3)
An introduction to the books of the <i>Prerequisite(s)</i> :ENGL 1102	Hebrew Bible, with emphasis on rhetorical and l	iterary-critical analy	sis.
	iterature: Intro New Testament & Apocrypha New Testament and the Apocrypha, with empha		(3-0-3) literary-
	ntroduction to Eastern Religions Confucianism, Hinduism, and the various sects ission of the instructor	3 Credits of Buddhism.	(3-0-3)
	The Jewish & Islamic Traditions s influenced the Old Testament, the New Testame assion of the instructor	3 Credits ent, and the Koran.	(3-0-3)
	Mysticism mysticism found in Hinduism, Buddhism, the Su apan, India, and western civilization. ission of the instructor	3 Credits afi sect of Islam, Chr	(3-0-3) Fistianity,
A study of topics of special interest (such as indigenous religions of Afr		ought or experience	(such as
	<u>Spanish</u>		
	Elementary Spanish I to previous language study. Practice in listening to tion to Spanish culture. Not open to students who we speakers of Spanish.		
SPAN 1002 Practice in listening to, speaking, re <i>Prerequisite(s)</i> :SPAN 1001 or perm	Elementary Spanish II ading, and writing Spanish. Continuation of SPA nission of instructor	3 Credits AN 1001.	(3-0-3)
SPAN 2001 An intensive review of basic princip writing.	Intermediate Spanish I bles of the language; continued practice in listenin	3 Credits ng, speaking, reading	(3-0-3) g, and

Prerequisite(s):SPAN 1002 or two years of high school Spanish

(3-0-3)**SPAN 3201 Civilization & Culture of Spain 3** Credits An historical survey of the culture of Spain from the Pre-Roman era to the present. Classes will be conducted in Spanish. Prerequisite(s):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. Prerequisite(s):SPAN 3101 **3** Credits **SPAN 3204 Survey of Literature** (3-0-3)Introduction to some of the principal authors, works, and ideas in the literatures of Spanish-speaking countries. Prerequisite(s):SPAN 3101 **3** Credits **SPAN 3401 Introduction to Business Spanish** (3-0-3)

A study of business terminology, including letter writing, insurance, banking, situations dealing with export and import companies, and job interviews. *Prerequisite(s)*: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. Prerequisite(s):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. *Prerequisite(s)*: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. Prerequisite(s):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	Social Statistics	3 Credits	(3-0-3)
2101/SOWK			

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. Prerequisite(s):SPAN 2002

Intensive review of basic principles of Spanish; continued practice in listening, speaking, reading, and writing. Prerequisite(s):SPAN 2001

Intermediate Spanish II

SPAN 2002

3 Credits

(3-0-3)

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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).

3 Credits **SOCI 3036 Social Stratification** (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

A study of the role of the family in the development of the individual family formation and disintegration, crosscultural 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

The Family

(3-0-3)

3 Credits

composition, and distribution	n. The course considers how population change affects the ocuses on basic demographics analysis as well as on past a	e structure and org	anization
Prerequisite(s):SOCI 1101			
introduction to the literature,	Urban Sociology city, its growth, characteristics, and problems in the Unite , empirical data, and research on the urban phenomenon. T standing of the urban and urbanization process.		
• •	Sociology of Religion social institution and cultural phenomenon; cross-cultura nd future of religion in secular society.	3 Credits l studies of religio	(3-0-3) bus belief;
SOCI 3901	Internship	Credit Varies	(V-0-V)
	ect involving off-campus study, research, and where apply by the sponsoring agency and faculty advisor; a stipend ma	icable, work in a p	
SOCI 4101 Independent reading or resea	Individual Study & Independent Research arch in selected areas of sociological interest; supervised l	3 Credits by a department m	(3-0-3) tember.
SOCI 4102 The study of health dispariti variations in health condition	The Sociology of Health and Disparities es will provide students with an in-depth look at publishe ns among societal members.	3 Credits d reports and book	(3-0-3) cs on
	Criminology and the criminal in modern, especially, urban society; a soc on major social institutions, methods of treatment, and pre		
SOCI 4135 This course will also examir paradigms relevant to the stu	Sociology of Law ne work of theorists who proposed and popularized variou udy of law and society.	3 Credits as concepts, theorie	(3-0-3) es, and
SOCI 4311 This course is designed to pr nature, extent, distribution, p	Juvenile Delinquency rovide students with an overview of the social dimensions prevention and control.	3 Credits s of juvenile deline	(3-0-3) quency, its
	Contemporary Theory emporary and classical theoretical models in sociology; an the from the Afro centric and the Euro centric perspectives	-	(3-0-3) he
A study of historic and curre Black people in the United S	Seminar on the African-American Experience ent trends in selected sociological frames of reference of e States; emphasis on social movement and social change, u , and political and economic struggles and achievements.	•	•

Demography

An examination of social, economic, political, and environmental factors as they relate to population growth,

3 Credits

(3-0-3)

SOCI 3621

SOCI 4901Senior Seminar3 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 1000Self-Awareness and Professional Development3 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 2200Human Needs & Human Services3 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.3 Credits
(3-0-3)

SOWK 2205History of Social Welfare & Social Policy3 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.Development of Social Welfare ActionDevelopment of social welfare are
introduced. Students are introduced to beginning level assessment skills of social problems, social programs, and
policy analysis.

Prerequisite(s):SOWK 2200

SOWK 3101Research Methods II3 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 3201Human Behavior & the Social Environment I3 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 3202Human Behavior & the Social Environment II3 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 selfawareness 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

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

Social Work with Families & Children **SOWK 4106 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

3 Credits

(3-0-3)

is placed on the biopsycho-se attention to policies, program	ocial, cultural, spiritual, economic, and health needs o ns, and intervention strategies of intervention that mee open to all majors at junior level and above. ing or consent of instructor	of older adults with part	icular
	Substance Abuse Intervention Strategies ity factors, physiological and psychological effects, ar asis is on the specific effects of different drug classified older adults, and ethnicity.		
Topics include suicide, batte	Crisis Intervention and Brief Theory ies and techniques of short-term intervention and subsering, HIV/AIDS, rape, death, dying, and communities ashes. Elective course open to all interested majors. 3201, 3305		
and research-based methods institutions, and local and gl families and communities w	Spirituality and Human Services s to provide Social Workers and Human Service Profe for spiritually oriented service delivery with individua obal communities and ecosystems. Social service agen ith the resources and tools to achieve their highest fulf	al, couples, families, gr ncies provide individua fillment. Traditionally,	roups, als, 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 4610International Issues in Social Work3 Credits(3-0-3)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 4701Field Experience I3 Credits(3-0-3)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 4702Field Experience II3 Credits(3-0-3)The first of a two-part semester sequenceSenior Social Work field practicum where majors are assigned to socialservice agencies to observe and engage in generalist social work practice. Under structured supervision with a

SOWK 4201

Gerontological Social Work

3 Credits (3-0-3)

This course offers an overview of social work theory and practice on aging and older adult populations. Emphasis

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

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

Part two of the sequence capstone course for the BSW major. Students complete final senior exit requirement began in SOWK 4901. Students are required to present a major paper, which they will orally defend, integrating a generalist understanding of social work. This requires the student to reflect on their background and culture, as well as the total BSW experience including social work core courses, electives, volunteer experiences, field internship, class discussions, professional meetings attended, and other interactions. Restricted to social work majors enrolled in SOWK 4702. Prerequisite(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

Intensive study and practice in the oral interpretation of poetry, prose, and drama. Individual activity primarily emphasized. Fall.

SPEH 4101Advanced Speech3 Credits(3-0-3)A course emphasizing self-improvement in all phases of diction and delivery and providing experience in various
speaking situations.3 Credits(3-0-3)

Prerequisite(s):HUMN 1201 or permission of instructor

Theatre

THEA 2101Introduction to Theatre3 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.3 Credits(3-0-3)

THEA 2525Theatre Improvisation3 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.The class will also increasePrerequisite(s):HUMN 1201

THEA 2601Stagecraft3 Credits(3-0-3)A course on backstage equipment, how to use it to maximum effort with safety, speech, and efficiency, THEA2601 will focus on the practical aspects of lighting and production. Students will word with a variety of equipmentavailable to meet the lighting demands of a production.

THEA 3004Scene Design3 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.3 Credits(3-0-3)

THEA 3101Acting I3 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.3 Credits

THEA 3122Movement I3 Credits(3-0-3)An introduction course to stage movement and kinetic practice and intentions.

THEA 3123Movement II3 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 3125Stage Make Up & Costumes3 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.3 Credits(3-0-3)

THEA 4051Black American Theatre & Performance3 Credits(3-0-3)Will cover significant development in the American Black Theatre since 1900 as reflected through the major
playwrights and theatre organizations.3 Credits(3-0-3)

THEA 4055Theatre History I3 Credits(3-0-3)Covers theatre history, dramatic literature and theory from Italian to the Pre-Algdern era. The physical theatre and
culture of the period will be studied as they affect the theatre of each period.3 Credits(3-0-3)

THEA 4058 3 Credits Women in Theatre (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

theatre and culture of each period will be studied culminating into an understanding of the beginnings of theatrical

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 miniproduction 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 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 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.

THEA 4056

criticism to include a worldly view of theatre.

Theatre History II Covers theatre history, dramatic literature, and theory from the English Restoration to the present. The physical

3 Credits (3-0-3)

3 Credits (3-0-3)

(3-0-3)

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

Farhangi, Hadi (Assistant Professor)

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

Jahmani, Yousef F. (Professor & Department Chair)

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, ReginaldD. (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

Mudrinich, Andrew K. (Assistant Professor)

BS Pennsylvania State University, Accounting, 1984

MTax University of Akron, Taxiation, 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

MS University of Ilorin, Microbiology, 2000

Johnson, Johnny A. (Assistant Professor)

BS Savannah State University, Biology, 2001

PhD Stony Brook University, Biophysics, 2007

Methven, Andrew S. (Associate Professor)

BS University of California, Davis, Botany, 1980

MA San Francisco State University, Ecology and Systematic Biology, 1983

PhD University of Tennessee, Knoxville, Botany, 1987

Moore, Andrea L. (Associate Professor)

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

Shakespeare, Teresa (Associate Professor)

BS Savannah State University, Biology, 2001

PhD State University of New York at Stony Brook, Physiology and Biophysics, 2008

Zhang, Xiaorong S. (Professor)

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

PhD University of Alabama at Birmingham (UAB), Chemistry, 1996

Lonon, Desiree Y. (Instructor)

BS Savannah State University, Chemistry, 1998

MS North Carolina A & T University, Chemistry, 2003

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

Odetokun, Martins (Instructor)

BS University of Ilorin, Chemistry, 1987

MS University of Ilorin, Chemistry, 1990

PhD Federal University of Technology, Akure, Chemistry, 2001

Prasad, Manoj (Assistant Professor)

PhD University of Delhi, Chemistry, 2008

Shen, Kai (Associate Professor)

BEng China University of Mining and Technology, Coal Chemical Engineering, 1994

MEng China University of Mining and Technology, Organic Chemical Engineering, 1997

MS New Mexico Institute of Mining and Technology, Biology, 2006

PhD New Mexico Institute of Mining and Technology, Chemistry, 2006

Song, Zhiyan (Professor)

PhD Stockholm University, Physical Chemistry, 1996

Engineering Technology

Andreou, Spyros (Professor)

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

Chen, Qian G. (Assistant Professor)

PhD Mississippi State University, Electrical and Computer Engineering, 2014

Chukwukere, Sylvester A. (Associate Professor)

BS Southern University and Agricultural and Mechanical College, Electrical Engineering, 1981

MS Tuskegee University, Electrical Engineering, 1984

De La Cruz, Alberto G. (Instructor)

MS Nova Southeastern University, Information Technology, 2010

Hayder, Mir M. A. (Associate Professor)

BS Khulna University of Engineering & Technology, Mechanical Engineering, 1999

MS The University of New Brunswick, Mechanical Engineering, 2004

PhD McGill University, Mechanical Engineering, 2009

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

PhD Louisiana State University, Engineering Science, 1985

Lambright, Jonathan P. (Professor)

BS North Carolina A&T State University, Mechanical Engineering, 1985

MS Georgia Institute of Technology, Mechanical Engineering, 1993

MS North Carolina A&T State Univ., Mechanical Engineering, 1990

PhD Georgia Institute of Technology, Mechanical Engineering, 1996

Liu, Ying (Associate Professor)

BS Lanzhou University, Nuclear Physics, 1982

MS University of South Carolina, Computer Science, 1990

MS Carnegie-Mellon University, Physics, 1984

PhD Carnegie-Mellon University, Physics, 1988

Merchan Alvarez, Lina P. (Assistant Professor)

PhD Georgia Institute of Technology, Physics, 2012

Millan Otoya, Jorge E. (Instructor)

MS Georgia Institute of Technology, Physics, 2009

Mustafa, Mohamad (Professor and Interim Dean)

BS Wayne State University, Engineering, 1983

MS Wayne State University, Civil Engineering, 1985

PhD Wayne State University, Civil Engineering, 1994

Sivapatham, Param (Professor)

Associate Degree (Computer Information System) Polk Community College, Computer Information System, 2000

BS University of Peradeniya, Agriculture (Soil Science), 1982

MS University of Peradeniya, Agriculture (Soil Science), 1985

PhD Louisiana State University, Agronomy, 1994

Taylor Jr., Henry A. (Associate Professor)

BS Tuskegee Institute, Chemical Engineering, 1984

MS Tuskegee University, Mechanical Engineering, 1990

Yousuf, Asad (Professor and Interim Chair)

BS N.E.D Engineering University, Electronics Engineering, 1980

EDD The University of Georgia, Occupational Studies, 1999

MS University of Cincinnati, Electrical Engineering, 1982

English, Languages and Cultures

Cheng, Tieniu (Associate Professor)

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

Cox, Margaret (Assistant Professor)

BA Baruch College, English Literature, 2002

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PhD Indiana University of Pennsylvania, English, 2016

Dominy, Jordan J. (Associate Professor)

BA Mercer University, English, 2004

MA Florida State University, Literature, 2006

PhD The University of Florida, English, 2011

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BA Appalachian State University, English, 2002

MA Wake Forest University, English, 2004

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MA University of Oregon, Linguistics, 1999

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Fine Arts, Humanities and Wellness

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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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MFA Georgia Southern University, 2014

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BA University of Maryland Baltimore County, Interdisciplinary Studies, 2001

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BM Georgia Southern University, Performance, 1997

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BS The University of Texas at Austin, Secondary English, 1990

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BS Georgia Southern University, Health and Physical Education, 2008

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BA Purchase College State University of New York, Drama Studies, 2004

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MEd Lesley University, Creative Arts, 2005

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MFA University of Florida, Theatre, 2004

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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

PhD University of Oregon, Philosophy, 2006

International Education

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BA Georgia State University, AB Film and Video, 2008

Journalism and Mass Communications

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MA Savannah College of Art and Design, 2014

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BGS Ball State University, 1998

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BA Rust College, Mass Communication, 2001

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Library

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BA Barber-Scotia College, English, 1968

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BS Davidson College, Biology, 1993

Master's of Environmental Management Duke University, Coastal Environmental Management, 1996

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BS University of South Carolina, Marine Science, 1984

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BS Rose-Hulman Institute of Technology, Chemical Engineering, 1995

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EDD Liberty University, Curriculum and Instruction, 2016

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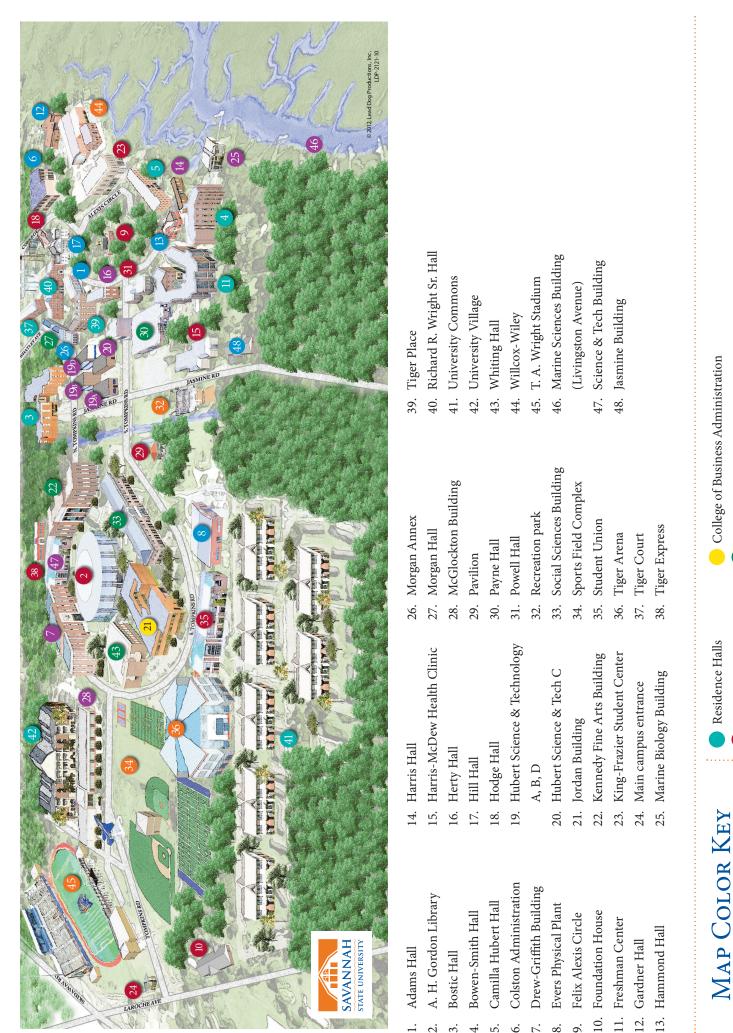
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