

# Savannah State University



## Undergraduate Catalog 2020 - 2021

Savannah, Georgia 31404

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## Special Notice

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

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

## The University System of Georgia

The University System of Georgia operates 26 public institutions that are located throughout the state.

A 16-member constitutional Board of Regents governs the University System, which has been in operation since 1932. Appointment of board members - five from the state-at-large and one from each of the state's 14 congressional districts - are made by the governor, subject to confirmation by the State Senate. Regular terms of board members are seven years. The chairman, the vice chairman, and other officers of the Board are elected by the members of the Board. The Chancellor, who is not a member of the Board, is the chief executive officer of the Board and the chief administrative officer of the University System.

Instruction consists of programs of study leading toward degrees, ranging from the associate (two-year) level to the doctoral level, and certificates.

Requirements for admission of students to instructional programs at each institution are determined, pursuant to policies of the Board of Regents, by the institution. The Board establishes minimum academic standards and leaves to each institution the prerogative to establish higher standards. Applications for admission should be addressed in all cases to the institutions.

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

The University System Advisory Council engenders continual system-wide dialogue on major academic and administrative matters of all types. It also makes recommendations to the Chancellor for transmittal to the Board of Regents as appropriate, regarding academic and administrative aspects of operation of the system.

The advisory council consists of the chancellor, the vice chancellor, and all presidents as voting members, and it includes other officials and staff members of the institutions as nonvoting members. The advisory council's academic committees and administrative committees are made up of representatives from the institutions. The committees dealing with matters of university-system-wide application include, typically, at least one member from each institution.

# Savannah State University Personnel

## **Administrative Officers/Cabinet Members**

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

# Accreditation

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

Savannah State University has also earned the following specialized accreditations:

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

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

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

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

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

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

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

## **Certification**

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

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

# Purpose and Goals of the University

## **Mission Statement**

Savannah State University, the oldest public historically black university in the State of Georgia, develops productive members of a global society through high quality instruction, scholarship, research, service, and community involvement. The University fosters engaged learning and personal growth in a student-centered environment that celebrates the African American legacy while nurturing a diverse student body. Savannah State University offers graduate and undergraduate studies including nationally accredited programs in the liberal arts, the sciences and the professions.

## **Overview of Savannah State University**

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

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

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

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

## **Presidents**

Richard R. Wright 1891-1921	Cyrus G. Wiley 1921-1926	Benjamin F. Hubert 1926-1947
James A. Colston 1947-1949	William K. Payne, Ph.D., Acting 1949-1950	William K. Payne, Ph.D. 1950-1963
Howard Jordan, Ph.D. 1963-1971	Prince A. Jackson, Jr., Ph.D. 1971-1978	Clyde W. Hall, Ed.D., Acting 1978-1980
Wendell G. Rayburn, Ph.D. 1980-1988	Wiley S. Bolden, Ph.D., Acting 1988-1989	William E. Gardner, Jr., Ph.D. 1989-1991
Annette K. Brock, Ph.D., Acting 1991-1993	John T. Wolfe, Ph.D. 1993-1997	Carlton E. Brown, Ed.D. 1997-2006
Julius S. Scott, Ph.D., Interim January-July 2007	Earl G. Yarbrough, Sr., Ph.D. 2007-2011	Cheryl Davenport Dozier, DSW, Interim 2011-2012
Cheryl Davenport Dozier, DSW, 2012-2019	Kimberly Ballard-Washington, J.D., Interim 2019-Present	

## Location

Savannah State University is located approximately five miles east-southeast from the center of beautiful, historic Savannah, the original European settlement in Georgia, founded by James Oglethorpe in 1733. Savannah today is an extraordinarily attractive and busy port city with nearly 200,000 inhabitants.

Nearby are historic and contemporary resort islands of St. Simons, Jekyll, and Hilton Head. Daufuskie, home of the famed Gullah culture, a blend of early African and American ways of life, language, and music, is nearby. Tybee Island lies to the east and is noted for its easy going lifestyle and sport fishing.

The general environment is replete with abundant historic and contemporary tourist and outdoor attractions, including wildlife refuges, museums, heritage preserves, and numerous other attractions. Historically, the region was noted for its rich rice and cotton production as well as its lively pirate trade. Many believe Savannah, with its exemplary urban renewal and historic preservation record, is the ultimate hostess city.

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

Savannah State University is accessed from north/south US Interstate 95 and east/west US Interstate 16. A beautiful, modern and convenient Savannah/Hilton Head International Airport makes the region accessible from anywhere in the USA.

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

Savannah State University expanded its footprint into Liberty County and Hinesville, GA on February 7, 2019, with its partnership with Georgia Southern University's Liberty Campus to offer Homeland Security and Emergency Management (HSEM). The SSU HSEM program offered on our campus in Savannah is the only bachelor's degree program in homeland security and/or emergency management in the state of Georgia and the first in the nation at a historically black college/university. The program leads to the bachelor's degree in homeland security and emergency management. Students must earn 122 hours to graduate, with 36 semester hours in major required courses and no requirement for a subject area minor. A 15-hour minor in HSEM also is available.

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

# Division of Student Affairs

Central to the Division of Student Affairs 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 Thursday. A part-time physician is also available evenings Monday through Friday. Available services include:

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

A resident student suffering from an injury or sudden illness during hours when the health center is closed should contact the residence hall staff, community assistant, or the Department of Public Safety. An ambulance or paramedic unit may be dispatched to campus for an immediate evaluation or transportation to the hospital as needed at the student's expense. Students are responsible for the cost of all services provided by any other community health care provider. All students are encouraged to secure coverage by an adequate health insurance plan and should follow its directions for emergency or crisis care. Information on a current student health insurance plan is maintained in the Student Health Center. Participation in the student health insurance plan is voluntary and the student is responsible for the cost.

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

## University Recreation and Wellness

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

##### Mission:

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

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

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

## University Career Services

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

### Mission

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

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

**Contact:** University Career Services; (912) 358-3140.

## Housing and Residence Life

University Housing and Residence Life provides comfortable, affordable, and secure residential communities located throughout campus. In particular, the university has traditional residence hall facilities and apartment-style facilities for upper-class-level students. Residence life programs promote student development, leadership and a variety of living and learning options that compliment classroom instruction. For a greater understanding of residence life at the university, students are encouraged to read the *Student Handbook*, which is available in the Office of the Dean of Students.

Students wishing to live on campus are required to apply for housing at the beginning of the academic year, summer school, and any semester that is preceded by a break in continued residence. Room assignments are made for the academic year. Students who live in residential facilities are required to purchase a meal plan. Students who have a diet prescribed by a physician may be exempted if dining services are unable to prepare meals.

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

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

## Department of Student Life

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

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

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

Organizations that are recognized at the university include:

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

## Student Organizations

Alpha Kappa Alpha Sorority, Inc.  
Alpha Phi Alpha Fraternity, Inc.  
American Chemical Society  
American Society of Civil Engineer  
Behavior Analysis Student Assoc.  
Cheerleading Squad  
Campus Ministry  
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

International Students Association  
Iota Phi Theta Fraternity, Inc.  
Iota Phi Lambda Business Sorority  
Junior Class  
Kappa Alpha Psi Fraternity, Inc.  
Mass Communication Student  
Association  
Master of Social Work (MSW) Student  
Organization  
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 Social  
Workers  
NROTC  
Omega Psi Phi Fraternity, Inc.

Obsidian Dance Repitory  
Phi Alpha Delta Law Fraternity, Inc.  
Phi Beta Sigma Fraternity, Inc.  
Players by the Sea  
Queens Coalition  
Residence Hall Council  
Senior Class  
Sigma Gamma Rho Sorority, Inc.  
Social Workers of Tomorrow  
Sophomore Class  
Student Orientation Leaders  
SSU Marching Tiger Band  
SSU Quiz Bowl Team  
Student Government Association  
Tiger Ambassadors  
Tiger's Roar Newspaper  
Wesleyan Gospel Choir  
Zeta Phi Beta Sorority, Inc.

## Office of Student Conduct

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

### Student Conduct

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

### Disruptive Behavior

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

"The Board of Regents of the University System of Georgia reaffirms its policies to fully support freedom of expression by each member of the academic community and to preserve and protect the rights and freedoms of its faculty and student members to engage in debate, discussion, and peaceful and non-disruptive protest and dissent. The following statement relates specifically to the problem described herein. It does not change or in any way infringe upon the Board's existing policies and practices in support of freedom of expression and action. Rather it is considered necessary to combat the ultimate effect of irresponsible, disruptive, and obstructive actions by students and faculty who tend to destroy academic freedom and the institutional structures through which it operates. In recent years, a new and serious problem has appeared on many college campuses in the nation. Some students, faculty members, and others have on occasion engaged in demonstrations, sit-ins, and other activities that have clearly and deliberately interfered with the regular orderly operation of the institution concerned. Typically, these actions have been the physical occupation of a building or campus area for a protracted period of time or the use of verbal or written obscenities involving indecent or disorderly conduct.

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

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

Of equal or even greater importance, such action of force as previously described destroys the very essence of higher learning. The essence is found in the unhampered freedom to study, investigate, write, speak, and debate on any aspect or issue of life. This freedom,

which reaches its full flowering on college and university campuses, is an essential part of American democracy, comparable to the jury system or the electoral process.

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

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

#### Violations of the Student Conduct Code

Students, including Distance Learning students, may receive disciplinary action, including suspension and dismissal for a number of acts of misconduct committed on or away from University property. (For additional details, see the Savannah State University *Code of Student Conduct*) as listed in the Student Handbook. Examples of these actions are listed below.

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

#### Disciplinary Procedures

A charge of misconduct originates with the accuser filing a written charge with the Office of Student Conduct. Any person may refer a student suspected of violating the student conduct code. Upon receipt of the charge, the Coordinator for Student Conduct conducts an informal investigation to determine whether to drop the case or send a letter of notification to the accused student. If a formal charge is made to the accused, either electronically, certified letter, or in person, the Coordinator will request a meeting with other necessary relevant parties on an individual basis. The purposes of the administrative interview are two-fold: first, to determine whether probable cause exists to believe the accused may have committed the charged offenses; and second, to determine whether to have the case heard by the Coordinator or the University's Student Conduct Review Board. The Coordinator will notify all persons of the time and place when they are to appear before the Board.

#### Student Conduct Review Board

Unless the accused elects to have the case decided by the Coordinator for Student Conduct the Student Conduct Review Board (comprised of faculty, staff and students) will adjudicate the case. If the accused chooses a hearing by the Student Conduct Review Board, the Coordinator or Investigator shall present the case on behalf of the person bringing charges, including cases where the Office of Student Affairs files the charges.

#### Basis for Review (Appeals)

All appeals must be made in writing within five business days of the original decision. The original decision is final on the day it is rendered by the Coordinator and the Hearing Body (Hearing Officer, Student Conduct Review Board or Administrative Hearing Officer). The filing of an appeal will not postpone punishments imposed there under, by the Dean of Students or the Hearing Body.

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

1. The proceeding failed to follow procedures; including observing the rights of the accused, but only if such failure actually resulted in preventing the accused from adequately defending against the charge.
2. The findings are not supported by substantial evidence, or the recommendations are not supported by the findings.
3. One or more members of the adjudicating body demonstrated bias. "Bias" requires more than merely knowing the accused or knowing something about the case. Disqualification occurs only where it can be established that the Vice President or Student Conduct Review Board member was incapable of rendering a fair decision.

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

#### Article IX Appeal to Board of Regents

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

Drug possession or use (without valid medical or dental prescription), manufacture, transportation, storage, furnishing, or sale of any narcotic or dangerous drug controlled by federal or Georgia law is prohibited. Students convicted of violation Section II (Drugs and Alcohol) of the student conduct code may lose academic credit and/or federal financial aid and/or be suspended from the University.

#### Weapons

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

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

## Title IX: Compliance

### Sexual Harassment, Discrimination, and Sexual Misconduct Policy

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

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

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

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

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

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

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

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

### Sexual Harassment

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

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

Criminal sexual conduct, such as rape and sexual assault  
Requesting or pressuring an individual for sexual favors  
Discussing sexual activities

Sexual conduct of any nature, which is not freely and mutually agreeable to both parties  
Sexual remarks about one's clothing, body or sexual activities  
Sexual jokes, innuendo, texts, teasing and/or remarks  
Verbal harassment or abuse  
Stalking  
Indecent exposure  
Unnecessary touching, patting, cornering, fondling, hugging, against a person's body

#### Consensual Relationships

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

Retaliation is prohibited.

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

#### Title IX—Sexual Misconduct

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

# Division of Enrollment Management

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

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

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

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

## Undergraduate Admission to the University

Persons who wish to enroll at Savannah State University must file an application, which can be obtained from the Office of Admissions or GA Futures ([GAFutures.org](http://GAFutures.org)). Applicants who are high school students should file an application as early as possible during their senior year. All applications must be filed and completed by the application deadline for the semester in which applicants plan to enroll.

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

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

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

## Admission Procedures

Applicants are responsible for requesting official documents required for admission be sent directly from their previous institutions to the Office of Admissions. Official documents must be issued by the records office of the previous institution(s) in either a sealed envelope sent or electronically to the Office of Admissions at Savannah State University. These documents become part of the applicants' permanent records and will not be returned.

The following are specific items required for admission:

- **APPLICATION FORM.** An application may be obtained from the Office of Admissions or on-line at <http://www.savannahstate.edu/>. Care should be taken to read the directions accompanying the application and provide all information requested. An incomplete application will cause delay and may be returned without a decision.
- **CERTIFICATE OF IMMUNIZATION.** All applicants must submit a copy of immunization(s) as a condition of enrollment. **This document must be on file before registration.**
- **OFFICIAL TRANSCRIPT(S) OF COURSES COMPLETED.** All documents must be on file in the Office of Admissions prior to the specified document deadline. 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 <sup>th</sup> science (some computer science courses may count as a 4 <sup>th</sup> 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 each subsequent semester of enrollment until the deficiencies are satisfied.

Students transferring with fewer than 30 transferable credit hours of accepted transfer credits which do not include completion of the core curriculum credits, or from a program not requiring the College Preparatory Curriculum are required to submit a high school transcript and appropriate test scores for evaluation. Applicants not meeting regular freshman requirements (see —Regular Admission) are required to test for placement and should register for any deficiencies immediately upon entering Savannah State University.

Students whose native language is not English may be considered to have met the CPC foreign language requirements if they are proficient in their native language. Documentation from the high school counselor is needed to verify that the student's native language satisfies the foreign language requirement.

#### Exceptions to the RHSC Requirements

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

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

#### Presidential Exceptions

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

### **Admission of Students with Disabilities**

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

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

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

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

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

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

### **Transfer Students**

Transfer students who have been out of high school fewer than five years are requested to submit high school transcripts and SAT/ACT test scores as part of their application package unless they have completed 30 transferable hours and earned a minimum GPA of a 2.0.

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

Transfer applicants are required to send official transcripts from all previously attended colleges or universities. Transcripts should be sent to the Office of the Registrar at Savannah State University, regardless of the transferability of the credits.

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

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

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

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

If the Core Curriculum requirements in Area A (Essential Skills), Area B (Institutional Options), Area C (Humanities/Fine Arts), Area D (Science, Math, and Technology), Area E (Social Sciences), Freshman Experience, and/or health and wellness have been

completed at a University System of Georgia institution, each completed course will be accepted as having met the respective area requirement at Savannah State University. Freshmen Experience/Orientation classes will be allowable substitutions for SSU FYE courses. Transfer students who transfer in 30 or more hours are exempt from taking the First Year Experience course. Students must meet the overall hours to graduate but can make up the hours with elective credit.

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

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

All transfer students from within the system shall be subject to all provisions of this policy. During subsequent semesters, these students shall be subject to all provisions of this policy. Provisionally admitted transfer students must meet the same regular admission requirements as individuals admitted to the University for the first time. A complete record of past remedial course work and ACCUPLACER exam scores must be on file in the Savannah State University Office of the Registrar.

### **Dual Enrollment**

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

- Have a minimum Scholastic Aptitude Test (SAT I) score of 970 (combined evidence based reading and mathematics sections) with no less than 430 Critical Reading (Old SAT) 480 Evidence-Based Reading and Writing Section (New SAT), 24 Reading Test (New SAT) and 17 ACT English or 17 Reading and
- 400 Math (Old SAT) 440 Math Section (New SAT) 22 Math Test (New SAT)/17 ACT Math and ACT composite score of 20 or;
- Next Generation 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](http://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 be uploaded within the [savannahstate.verifymyfafsa.com](http://savannahstate.verifymyfafsa.com) portal by June 30<sup>th</sup>.

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

### Scholarships and Grants

#### Federal Pell Grant

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

#### Federal Supplemental Educational Opportunity Grants

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

#### Federal Teach Grant

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

#### HOPE Scholarship (Helping Outstanding Pupils Educationally)

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

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

#### Zell Miller Scholarship

Georgia's Zell Miller Scholarship is a merit-based award restricted to Georgia residents who have demonstrated academic achievement, similar to the HOPE Scholarship, but with more rigorous academic requirements. A Zell Miller Scholarship recipient must graduate from high school with a minimum 3.70 grade point average, receive a combined minimum SAT score of 1200 on the math and reading

portions or a minimum composite ACT score of 26 in a single national test administration. Students must maintain a minimum 3.30 cumulative postsecondary grade point average to remain eligible at all checkpoints (30, 60, and 90 semester credits), at the end of every Spring semester, and at the end of 3 part-time terms for beginning students. Students who lose eligibility may regain the scholarship once. Ineligible Zell Miller Scholarship students may continue to receive HOPE Scholarship if eligible. Zell Miller Scholarship does not pay for Learning Support (remedial) classes, after July 1, 2011. Recipients do not receive a book allowance for attendance at SSU. A 10-year limit for students first receiving the HOPE Scholarship during summer 2019 term (FY 20) or later. A 7-year limit exists for students first receiving the HOPE Scholarship during the 2011-2012 academic year (FY12) or later. Students are ineligible to receive Zell Miller Scholarship funds once the 127 semester credit limit is reached.

#### Savannah State University Scholarships

Merit and need-based academic scholarships are awarded annually to undergraduates and graduates from private, federal, state and university-funded sources. University funded-sources are made possible through contributions from alumni, students, parents, faculty, staff, businesses, foundations, corporations, and friends of the university. Both undergraduate and graduate students may apply for scholarships. The eligibility requirements for each scholarship vary. Criteria for merit-based scholarships include academic achievement, standardized test scores, extracurricular activities, awards, and honors. Students with GPA's from 2.0 to 2.9 are also encouraged to apply.

Students are required to complete the FAFSA and offered admittance to the university by published deadline. Applications are available online at [www.savannahstate.edu](http://www.savannahstate.edu).

For more information, contact the Office of Financial Aid at (912) 358-4162 or [finaid@savannahstate.edu](mailto:finaid@savannahstate.edu).

Athletic scholarship information is available through the Athletic Department at (912) 358-3449.

#### ROTC Scholarships

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

#### Work Programs

##### Federal Work-Study

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

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

##### University Work Program

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

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

#### Loans

##### Federal Direct Loan

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

##### Georgia Student Access Loan Program (SAL)

The Georgia Student Access Loan program is restricted to Georgia eligible students and designed to assist undergraduate college students who have a gap in meeting their educational costs. To be considered, students must complete the FAFSA application and the SAL application (at [www.gafutures.org](http://www.gafutures.org)). Students must not decline any federal, institutional or private scholarships, grants, loans or military or veteran educational benefits, when available, in lieu of a SAL. SAL funds are used to cover any part of the student's Cost of Attendance for the academic period and cannot be used to offset a student's EFC. This loan has a 1% interest rate. The annual award amount may be the lesser of \$8,000 or the student's Cost of Attendance minus the student's Expected Family Contribution (EFC) minus the student's Expected Financial Aid. The aggregate limit is \$40,000. Applications are randomly selected from a pool of eligible applicants.

##### Veteran Affairs



These benefits are available to all qualifying students under various DOD and VA Funded Programs as shown below. VA Payments for Tuition and Fees will be paid directly to SSU while payments for Monthly Housing Allowance and Books will be made directly to the student. For questions regarding GI Bill benefits, please contact the Department of Veteran Affairs at 912.358.4205. Active Duty and Reserve students desiring to utilize Tuition Assistance should contact the Office of the Comptroller at 912.358.3015. Eligible students are encouraged to contact the appropriate office to best determine their estimated amount of benefits prior to applying for Financial Aid as some awards and/or scholarships must be discounted.

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

### **Withdrawal Policy and Financial Aid Funds**

Financial aid is awarded to a student on the premise the student will complete the entire semester for which the aid was awarded. All schools participating in the Title IV Funds Program are required to use specific refund policies when a student receiving SFA Program funds ceases attendance. In addition, the current provisions specify an order of return of unearned funds from all sources of aid, not just the SFA Programs.

#### **Unofficial Withdrawals**

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

#### **Official Withdrawals**

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

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

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

### **Satisfactory Academic Progress (SAP) Guidelines for Student Financial Aid**

To be eligible to receive Financial Aid, which includes funds from federal, state and institutional programs, students must maintain satisfactory academic progress (SAP). Savannah State University (SSU) is required by the U.S. Department of Education to establish minimum standards of SAP to ensure the student is proceeding in a positive manner toward graduation. SAP is calculated each semester and includes all periods of the student's enrollment, including periods in which the student does not receive financial aid funds.

Students attending SSU must be in good academic standing and making satisfactory progress with a minimum grade point average (GPA), pace of completion rate and maximum time frame, as stated below. Progress is checked at the end of each semester.

### Grade Point Average Requirement (Quantitative)

Students must maintain the following GPA requirements:

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

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

### Pace of Completion (Quantitative)

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

### Maximum Time Frame

All students must complete their program of study within a maximum time frame of one and-one-half (150%) times the length of the program in which they are enrolled. This means that once a student has attempted one-and-one-half times the minimum number of credit hours necessary for completing program requirements, the student will be ineligible to receive financial aid. Attempted hours include all attempted hours at SSU and all attempted transfer credit. Students who have completed all the coursework for their degree but have not received the degree are no longer eligible for aid. Second degree students are required to complete their second degree within the maximum 150% of the hours required for the second degree. If the time limit has been exceeded, aid eligibility ends. The student will be placed on Financial Aid Suspension status. There is no Financial Aid warning period.

### Grades

Grades of IP (in-progress), W (withdrew) and WF (withdrew failing) are not included in calculating a student's GPA, but are counted as course work attempted. I (incomplete) is counted as an F. All grade changes must be submitted and processed during the first 10 days of classes of the following semester. Any changes after the first 10 days of the following semester will not be included in the SAP calculation.

### Repeated Hours

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

### Academic Renewal

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

### Transfer Students

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

### Financial Aid Suspension

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

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

#### Appeal of Financial Aid Suspension

Students have the right to appeal their suspension of financial aid if they have extenuating circumstances that prevented them from making SAP. Extenuating circumstances are limited to 1) death or serious illness or injury to an immediate family member, 2) extended hospitalization or medical condition of the student, 3) victimization of a violent crime or natural disaster, 4) and work related difficulties, and 5) other unexpected documented situations.

Lack of transportation to school, poor class performance, and pursuit of a double or dual major are not extenuating circumstances. The appeal must 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 <https://savannahstate.verifymyfafs.com>. If the appeal is not available, please contact the office. An appeal can only be submitted once per semester. Supporting documents must be uploaded with the appeal. In the case of maximum 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. If a student is not notified of the Financial Aid Suspension, that does not excuse a student from the Financial Aid Suspension, nor does it exempt a student from appealing in a timely manner.

# Division of Business and Financial Affairs

## Student Financial Services

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

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

## Tuition and Fee Schedule

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

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

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

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

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

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

## Student Account Refund Policy

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

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

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

Students are responsible for withdrawing *officially* in accordance with University regulations, which are set out in this Catalog. Students receiving funds and financial aid monies will have their refunds restored to the following programs in this precise order: Federal Unsubsidized Direct Stafford Loan, Federal Subsidized Direct Stafford Loan, Federal PLUS Loan, Federal Perkins Loan, Federal Pell Grant, FSEOG, Other Federal, State, Private, Institutional Aid and the Student.

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

# Auxiliary Services

The Auxiliary Services Department is an organization within the Division of Business and Financial Affairs, responsible for providing services both directly and indirectly to students, faculty, staff, and the University community. By policies of the Board of Regents, the Department must be totally self-supporting; no state funds are allocated to the activities. The Department is subject to rules and regulations of the University System of Georgia. Auxiliary Services is committed to providing quality, value, and excellence in customer service, while assuring best uses of available resources.

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

## Bookstore

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

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

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

## Dining Services

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

## SSU ID-Card Office

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

## Parking

Resident students and commuter students who have a vehicle on campus are required to purchase a decal which entitles them to park in one of the parking areas designated for students. Resident students must leave their vehicles in their assigned lot or in General Residential Parking during the parking restriction hours. (Please see the Parking page online for updated information). Vehicles on campus without appropriate decals, or who are parked inappropriately, are subject to ticketing, booting, and/or towing.

## Shuttle Service

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



# 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](http://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:**

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 or MATH 1401) along with a required Learning Support co-requisite course in English/or Math (ENGL 0999, MATH 0996, 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, MATH 1111, and MATH 1401.

### **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 0996 – Support for Elementary Statistics (MATH 1401)

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, MATH 1401 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.

### **Placement**

The “default placement” for all students will be in an entry-level collegiate course with Corequisite Learning Support UNLESS students meet exemption criteria (for Corequisite Support) as outlined below in the sections on English and mathematics.

- Students who do not meet any exemption criteria may waive placement testing if they are willing to accept placement in Corequisite Learning Support at the highest level of credit intensity (the most credits) offered at the institution.

- All students must be made aware that they have the OPTION to take placement tests, which may place them directly into collegiate courses or in less credit intensive levels of Corequisite Learning Support. Students interested in taking placement tests should not be discouraged from doing so.
- When placement testing is needed, Next-Generation Accuplacer placement tests should be used. Placement testing with Next-Generation Accuplacer placement tests is described in more detail in the next section (8. Next-Generation Accuplacer Placement Tests).
- Exception: students wishing to enroll in MATH 1111 College Algebra, (with or without Corequisite Learning Support), must take the mathematics placement test unless they have already met the criteria for direct placement into MATH 1111 or MATH 1111 with Corequisite Learning Support (see below).

### **English**

All entering students will be enrolled in ENGL 1101 English Composition I and the Corequisite Learning Support course, ENGL 0999 Support for English Composition, unless they meet one of the exemption criteria listed below or are enrolled in a program for which ENGL 1101 is not required. If students enroll in programs that do not require ENGL 1101, but they choose to take this course, standard assessment and placement rules will apply.

The exemption criteria below apply to the requirement to enroll in the Corequisite Learning Support course, not to the ENGL 1101 course requirement. Institutions may set higher exemption criteria. Students meeting any of the criteria on the list below may enroll in ENGL 1101 without the Corequisite Learning Support course, ENGL 0999: • Student already has credit for an Area A English course (must meet the minimum grade requirement for the course at the institution – which may be a “C” or higher).

- Student has an English Placement Index of 4230 or higher\*
- Student has a final high school GPA (HSGPA – this is the same HSGPA that is used in calculation of the Freshman Index) of 3.1 or higher and has completed the Required High School Curriculum (RHSC) in English.
- Student has an ACT English or Reading score of 17 or higher. • Student has an SAT Verbal/Critical Reading score of 430 or higher on the “old” SAT.
- Student has a score of 480 or higher on the “new” SAT Evidence-Based Reading 23 and Writing (EBRW) section.
- Student has a Classic Accuplacer Reading Comprehension score of 61 or higher AND an Accuplacer WritePlacer score of 4 or higher. • Student has an Accuplacer Next-Generation Reading score of 237\*\* or higher AND an Accuplacer WritePlacer score of 4 or higher.

\* At the institution’s option, the English Placement Index (EPI) may continue to be used for students who have at least two of the following: 1) High school grade point average, 2) SAT or ACT scores, 3) Classic Accuplacer scores. \*\* Next-Generation Accuplacer Reading test scores may not be used to calculate the English Placement Index.

### **Mathematics**

All entering students will be enrolled in one of three standard Area A college-level credit-bearing mathematics courses (MATH 1001 Quantitative Reasoning, MATH 1401 Elementary Statistics, or MATH 1111 College Algebra) and a Corequisite Learning Support course unless they meet one of the exemption criteria listed below or are enrolled in a program for which a mathematics course is not required. If students enroll in programs that do not require a mathematics course, but they choose to take a mathematics course, standard assessment and placement rules will apply.

Note that MATH 1111 has higher placement and exemption criteria than MATH 1001 and MATH 1401.

The exemption criteria below apply to the requirement to enroll in a Corequisite Learning Support course, not to the college-level mathematics course requirement.

#### **MATH 1001 Quantitative Reasoning and MATH 1401 Elementary Statistics**

Students meeting any of the criteria on the list below may enroll in MATH 1001 or MATH 1401 without the corequisite Learning Support courses, MATH 0997 or MATH 0996:

- Student already has credit for an Area A mathematics course (must meet the minimum grade requirement for the course at the institution – which may be a “C” or higher).
- Student has a Mathematics Placement Index of 1165 or higher. \*
- Student has placed in Pre-Calculus or a higher mathematics course (e.g., College Trigonometry or some form of calculus).
- Student has a high school GPA (HSGPA – this is the same HSGPA that is used in calculation of the Freshman Index) of 3.2 or higher and has completed the Required High School Curriculum (RHSC) in mathematics.
- Student has an ACT Mathematics score of 17 or higher.
- Student has an SAT Mathematics score of 400 or higher on the “old” SAT.
- Student has an SAT Math section score of 440 or higher on the “new” SAT.

- Student has a Classic Accuplacer Elementary Algebra score of 67 or higher (for students who will take MATH 1001 or 1101, see below).
- Student has an Accuplacer Next-Generation Quantitative Reasoning, Algebra, and Statistics score of 258\*\* or higher (for students who will take MATH 1111, see below).

\* At the institution’s option, the Mathematics Placement Index (MPI) may continue to be used for students who have at least two of the following: 1) High school grade point average, 2) SAT or ACT scores, 3) Classic Accuplacer scores.

\*\* Next-Generation Accuplacer scores may not be used to calculate Mathematics Placement Indices (MPI).

### MATH 1111 College Algebra

Students who do not qualify for initial enrollment in MATH 1111 (with or without corequisite Learning Support) may enroll in MATH 1001 or MATH 1401 (with or without corequisite support) and may later enroll in MATH 1111 after successfully completing MATH 1001 or MATH 1401.

#### Criteria for Placement into MATH 1111 with Corequisite Learning Support:

Students meeting any of the criteria on the list below may enroll in MATH 1111 with Corequisite support, MATH 0999. (Institutions may set higher requirements to enroll in MATH 1111 with corequisite support.)

- Student has a Mathematics Placement Index of 1165 or higher. \*
- Student has a high school GPA (HSGPA – this is the same HSGPA that is used in calculation of the Freshman Index) of 3.2 or higher and has completed the Required High School Curriculum (RHSC) in mathematics.
- Student has an ACT Mathematics score of 17 or higher. ○ Student has an SAT Mathematics score of 400 or higher on the “old” SAT.
- Student has an SAT Math section score of 440 or higher on the “new” SAT. ○ Student has a Classic Accuplacer Elementary Algebra score of 67 or higher.
- Student has an Accuplacer Next-Generation Quantitative Reasoning, Algebra, and Statistics score of 258\*\* or higher.

Criteria for Direct Placement into MATH 1111: Students meeting any of the criteria on the list below may enroll in MATH 1111 without the Corequisite Learning Support course, MATH 0999.

- Student already has credit for an Area A mathematics course (must meet the minimum grade requirement for the course at the institution – which may be a “C” or higher).
- Student has a Mathematics Placement Index of 1265 or higher. \*
- Student has placed in pre-calculus or a higher mathematics course (e.g., College Trigonometry or some form of calculus). ○ Student has a high school GPA (HSGPA – this is the same HSGPA that is used in calculation of the Freshman Index) of 3.4 or higher and has completed the Required 25 High School Curriculum (RHSC) in mathematics. ○ Student has an ACT Mathematics score of 20 or higher.
- Student has an SAT Mathematics score of 470 or higher on the “old” SAT.
- Student has an SAT Math section score of 510 or higher on the “new” SAT.
- Student has a Classic Accuplacer Elementary Algebra score of 79 or higher.
- Student has an Accuplacer Next-Generation Quantitative Reasoning, Algebra, and Statistics score of 266\*\* or higher.

\* At the institution’s option, the Mathematics Placement Index (MPI) may continue to be used for students who have at least two of the following: 1) High school grade point average, 2) SAT or ACT scores, 3) Classic Accuplacer scores.

\*\* Next-Generation Accuplacer scores may not be used to calculate Mathematics Placement Indices (MPI).

### **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 or MATH 1401) successfully with a grade of C or higher ----- The student has fulfilled the requirement for the major.

### **Grades in Learning Support Courses**

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

#### Grade Definition

A, B, C, S	Passing course grade
F, U, or WF	Failing course grade
IP	Progress insufficient for completion of the course
I	Academic progress satisfactory, but coursework incomplete
W	Withdrawal without penalty
WM	Withdrawal without penalty for military service
V	Student auditing LS course that is not required but taken voluntarily

## Learning Support Attempts and Exit

- An attempt is defined as an institutional credit course in which a student receives any grade or symbol except “W” or “WM”.

### **USG-mandated Enrollment in Learning Support Courses**

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

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

- In the event that a required Learning Support course is not available, a student may enroll in a course for degree credit if the student has met the course requirements, subject to the written approval of the president or designee.
- Students who have accumulated a maximum of 30 semester hours of college-level credit and have not successfully completed required Learning Support courses may enroll only in Learning Support courses until requirements are successfully completed. Students with transfer credit or credit earned in a certificate or prior degree program who are required to take Learning Support courses for their current degree objectives may earn up to 30 additional hours of college-level credit. After earning the additional hours, such students may enroll in Learning Support courses only. Institutions have the authority to limit accumulation of college-level credit to 20 hours.

### **Voluntary Enrollment in Learning Support Courses**

- A. Students who are required to take Learning Support courses in an area may not register as auditors in any Learning Support course in that area.
- B. Students who are not required to take Learning Support courses in a disciplinary area may elect to enroll in Learning Support courses in a non-required area for institutional credit or on an audit basis. There is no limit on attempts for students who elect to enroll in co-requisite Learning Support courses.

### **Learning Support Rules for Returning Students**

- A. Students who transfer into a USG institution without having exempted or completed Learning Support requirements in an area (i.e., English or mathematics) must be evaluated for Learning Support placement and placed according to the USG institution’s criteria for Learning Support placement.
- B. Students who leave a USG school for any reason may be re-admitted without Learning Support requirements if they meet one of the following conditions:
  - Students have completed all Learning Support requirements at a SACSCOC TCSG institution and completion of Learning Support requirements is documented on their TCSG transcript.
  - Students have earned transferable credit at a regionally-accredited non-USG institution for ENGL 1101 or 1102 (for completion of the Learning Support English requirement) or an Area A mathematics course (for completion of the Learning Support Mathematics requirement). (USG receiving institutions will decide whether to grant Area A credit for courses taken elsewhere. Provided that native and transfer students are treated equally, institutions may impose additional reasonable expectations, such as a minimum grade of “C” in Area A courses.)
  - Students have completed Learning Support at another USG institution and completion of Learning Support requirements is documented on their transfer transcript.
- C. Students who leave a USG school and return without having satisfied their Learning Support requirements in the interim may be readmitted to the college under the following conditions:
  - Students may take the ACCUPLACER Test and accept Learning Support placement according to a placement index calculated on the basis of ACCUPLACER Test alone.
  - Students in Learning Support who voluntarily leave a USG institution for periods of less than one calendar year will return to the level of Learning Support (corequisite) they were in immediately prior to their absence.
  - Time spent in Learning Support course work in a disciplinary area is cumulative within the USG.
  - Students who had completed requirements for corequisite Learning Support may reenter at the corequisite support level.
  - Students in Learning Support who voluntarily leave a USG institution for periods of one calendar year or more must be retested with the ACCUPLACER Test in any previously unsatisfied Learning Support area.
  - Students who have passed a Learning Support course prior to leaving, or at another USG institution, or at a TCSG institution will have their MPIs and/or EPIs recalculated based on ACCUPLACER Test only.
  - Students who have not successfully passed a Learning Support course prior to leaving, or at another USG institution, or at a TCSG institution will have their MPIs and/or EPIs recalculated based on all currently applicable information, including HSGPA (less than 6 years old) and SAT or ACT scores (less than 8 years old) and ACCUPLACER Test scores.
  - After testing, such students may be readmitted without a Learning Support requirement if they meet the institutional criteria for exemption.
  - Students who do not score high enough on the ACCUPLACER Test to exempt Learning Support may be placed in corequisite Learning Support, depending on institutional placement policies.

- Students placed in corequisite Learning support may be readmitted if individual evaluation indicates that the student has a reasonable chance of success on readmission.
- D. Students readmitted under this provision are subject to the 30-hour limit on college-level coursework and may not take credit work if they had earned 30 or more credit hours during their previous period(s) of enrollment and have not completed Learning Support requirements in the interim.
- E. Completion of transferable Area A courses in English or mathematics from any institution will eliminate further Learning Support requirements in that area upon transfer back to a USG institution

### **Students with Special Needs**

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

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

### **Academic Renewal for Returning Students**

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

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

Students who qualify for academic renewal must:

- Not have enrolled for credit in any courses, offered by academic/postsecondary institutions (accredited by one of the organizations recognized by Council on Postsecondary Education Association) for at least five years after the enrollment period subject to academic renewal;
- Be an undergraduate who was not awarded an associate or bachelor's degree; and
- Request academic renewal status within two academic semesters of re-enrollment or within one calendar year, whichever comes first.

### **Academic Renewal Procedures and Implementation Issues**

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

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

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

The academic renewal GPA will be used for determining academic standing and eligibility for graduation. All courses will be considered in the implementation of the Board of Regents' Examination and College Preparatory Curriculum policy requirements. Academic renewal can be approved only once. Once academic renewal is requested and approved, it cannot be reversed. All courses will be considered for the determination of financial aid and/or veteran's benefits. To earn a degree, students must meet Savannah State University's graduation requirements. Students who have been granted academic renewal are not eligible for Latin honors recognition at graduation.

## **Residency/Tuition Classification**

### **Definition of Legal Residence**

### **Regents' Policies Governing the Classification of Students for Tuition Purposes**

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

#### **403.02 Classification of Students for Tuition Purposes**

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

- Exceptions:
  - A student whose parent, spouse, or court-appointed guardian is a legal resident of the State of Georgia may register as a resident providing the parent, spouse, or guardian can provide proof of legal residency in the State of Georgia for at least 12 consecutive months immediately preceding the date of registration.
  - A student who previously held residency status in the State of Georgia but moved from the state then returned to the state in 12 or fewer months.
  - Students who are transferred to Georgia by an employer are not subject to the durational residency requirement.
- No emancipated minor or other person 18 years of age or older shall be deemed to have gained or acquired in-state status for tuition purposes while attending any educational institution in this state, in the absence of a clear demonstration that he or she has in fact established legal residence in this state.
- If a parent or legal guardian of a student changes his or her legal residence to another state following a period of legal residence in Georgia, the student may retain his or her classification as an in-state student as long as he or she remains continuously enrolled in the University System of Georgia, regardless of the status of his or her parent or legal guardian.
- In the event that a legal resident of Georgia is appointed by a court as guardian of a nonresident minor, such minor will be permitted to register as an in-state student providing the guardian can provide proof that he or she has been a resident of Georgia for the period of 12 months immediately preceding the date of the court appointment.
- Immigrants shall be classified as nonresident students, provided, however, that an immigrant who is living in this country under an immigration document permitting indefinite or permanent residence shall have the same privilege of qualifying for in-state tuition as a citizen of the United States.

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

- Academic Common Market. Students selected to participate in a program offered through the Academic Common Market.
- University System Employees and Dependents. Full-time employees of the University System, their spouses, and their dependent children;
- Full-Time School Employees. Full-time employees in the public schools of Georgia or of the Department of Technical and Adult Education, their spouses, and their dependent children. Teachers employed full-time on military bases in Georgia shall also qualify for this waiver (BOR Minutes, 1988-89, p. 43);
- Career Consular Officials. Career consular officers, their spouses, and their dependent children who are citizens of the foreign nation that their consular office represents and who are stationed and living in Georgia under orders of their respective governments.
- Any Veteran, to include spouse and dependent child, excepting those assigned as students to USG System Institutions for educational purposes such as the “*Army Green to Gold Program*” who within 36 months of the military member leaving service is admitted to any USG College or University, is eligible to have Out of State tuition waived. The waiver continues as long as the student remains continuously enrolled (two consecutive semesters each year); for students utilizing VA benefits, the window is further expanded in order to improve access and affordability during transition. While the Choice Act of 2014 stipulates in-state rates within 36 months of separation, USG institutions waive out-of-state tuition for any student enrolling within 120 months of separation/retirement and utilizing VA Educational Benefits. This generous timeline addresses transition success and once the student is enrolled, the waiver remains in effect as mentioned previously.
- Border State Residents. Residents out-of-state bordering the State of Georgia in which the reporting institution is located. These states include Florida, Alabama and South Carolina.
- Border County Residents. Residents of an out-of-state county bordering a Georgia county in which the reporting institution or a Board-approved external center of the University System is located.
- Students enrolled in University System institutions as part of Competitive Economic Development Projects. Students who are certified by the Commissioner of the Georgia Department of Industry, Tourism and Trade as being part of a competitive economic development project;
- Students in Georgia-Based Corporations. Students who are employees of Georgia-based corporations or organizations that have contracted with the Board of Regents through University System institutions to provide out-of-state tuition differential waivers;
- Students in Pilot Programs. Students enrolled in special pilot programs approved by the Chancellor. The Chancellor shall evaluate institutional requests for such programs in light of good public policy and the best interests of students. If a pilot program is successful, the tuition program shall be presented to the Board for consideration;
- Students in ICAPP® Advantage programs. Any student participating in an ICAPP® Advantage program; and
- Direct Exchange Program Students. Any international student who enrolls in a University System institution as a participant in a direct exchange program that provides reciprocal benefits to University System students.
- Families Moving to Georgia. A dependent student who, as of the first day of term of enrollment, can provide documentation supporting that his or her supporting parent or court-appointed guardian has accepted full-time, self-sustaining employment and established domicile in the State of Georgia for reasons other than gaining the benefit of favorable tuition rates may qualify immediately for an out -of-state tuition differential waiver which will expire 12 months from the date the waiver was granted. An affected student may petition for residency status according to established procedures at the institution.
- For those currently serving, USG policy addresses access and affordability for this segment of the population. All military members, and families, assigned to or stationed in, Georgia have out-of-state waived. Additionally, any student using transferred



GI Bill Education benefits from a currently serving military member have out of state tuition waived. The military member from which the benefit is derived does not have to be currently, or previously, assigned in Georgia.

## Additional Resident Information

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

Items to be included with Petition for Residency

- A notarized statement verifying employment during the last 12 months should indicate dates of employment. Statements on company letterhead do not have to be notarized.
- A copy of lease or deed showing residence during the last 12 months should be included. Leases or deeds in a name other than that of the student require a notarized statement of residence from the person holding the lease or deed.

## Grading

The University uses letters to indicate quality of academic work. “A” is the highest grade; “D” is the lowest passing grade, except when a “C” is required. The grade “F” indicates a failure to meet the minimum requirements of a course. Grade distinctions and quality point values are:

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

\*Indicates grades not included in calculation of grade point average

### Grade Symbols

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

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

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

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

**I (Incomplete)** - This symbol indicates that students were doing satisfactory work, but, for non-academic reasons beyond their control, were unable to meet the requirements of the course. Students may remove the “I” by completing the remaining requirements within two semesters of residence. If course requirements are not satisfied within two semesters, a grade of “F” will be assigned and the student must retake the course to receive credit. Students are responsible for initiating the completion of requirements with the instructor.

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

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

## Reporting of Grades

At mid-term and at the end of the semester, faculty members submit grade reports through self-service (PAWS). At the end of each semester, grades are provided to students electronically, which notes the grades and credit hours earned in each course in which they were enrolled, grade-point average for the semester, cumulative grade point average, and academic standing.

Mid-term grade reports are required to help students identify their progress in classes and assist advisors in reaching out to at risk students.

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

## Calculating the Cumulative Average

Determinations of scholastic standing are generally based upon a cumulative grade point average, which appears on student's permanent record. The cumulative grade point average is calculated by dividing the total number of grade points or quality points earned in academic courses by the total number of academic credit hours attempted at Savannah State University. Credits by examination, credits that carry S/U grades, and credits specifically excluded by University policy are not used in computing the cumulative grade point average.

## Repeating of Courses

Students may repeat courses in which grades D, F, or WF were earned. The highest grade will count in computing the grade point average for degree requirements. If the same grade is earned, the most recent grade will count in the grade point average calculations. Courses may be repeated any time before the first degree is awarded.

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

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

## Transient Policy

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

## Classification

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

Freshman: 0-29 or less semester hours earned

Sophomore: 30-59 semester hours earned

Junior: 60-89 semester hours earned

Senior: 90 or more semester hours earned

## Grade Changes

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

- The instructor presents to the dean of the college conclusive, documentary evidence that the grade was reported in error;
- The instructor follows the procedure of removal of an I (Incomplete) grade;
- The instructor follows the procedure of removal of an NR (Not Reported) grade;

## Challenges by Students

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

## **Transcripts**

The transcript is considered the official document of record of a student's grades while in attendance at the institution. In accordance with the Family Educational Rights and Privacy Act of 1974, as amended (FERPA), transcripts normally are issued only at the request of the student. This request can be made online. There is a fee of \$4.00 per transcript. 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.

### **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:

Honor Roll: Students who maintain a GPA of 3.0-3.49 while full time (12 hours) during a semester

Dean's List: Students who maintain a GPA of 3.50-3.99 while full time (12 hours) during a semester

President's List: Students who maintain a GPA of 4.0 while full time (12 hours) during a semester

## **Degree and Graduation Requirements**

All candidates for a degree must file a formal application for graduation with the Registrar's Office and pay the graduation application fee two semesters preceding their expected graduation date. The Registrar's Office conducts an independent audit to ensure that all degree requirements have been satisfied.

Degrees will be awarded only to students who meet all degree requirements. 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.

All Undergraduates earning Associate or Baccalaureate degrees must meet the following requirements:

- Students must have a minimum of 60 semester hours to earn an Associate degree and 120 semester hours to earn a Bachelor degree. Students should check their specific program of study for total semester hour requirements.
- Students must have a cumulative institutional and overall GPA of 2.0
- Students must complete all course requirements for outstanding Incomplete (I) grades
- Students must submit all transcripts from other institutions they attended
- Students must meet the residency requirements for their degree: 25% of coursework must be taken at SSU for all degrees; 50% of the major must be taken at SSU for Bachelor degrees
- Students are requirement to satisfy all Board of Regents requirements, including legislative requirements and all Required High School Curriculum requirements
- Students must pass Core Area A courses with a grade of C or better. Students should refer to their specific program of study for other courses that require a grade of C or better.
- 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.

### **Graduation with Honors**

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

Cum Laude	3.25 - 3.49
Magna Cum Laude	3.5 - 3.74
Summa Cum Laude	3.75 - 4.00

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

### **Walk No Diploma policy**

Candidates for graduation may request to participate in the commencement ceremony scheduled one semester prior to completing degree requirements. 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 complete degree requirements in the semester 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)
- Registration 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.

### **Dual Degrees and Double Major Graduation Requirements**

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.

A double major consists of two separate majors in the same baccalaureate degree (for example, B.S. with majors in Sociology and Political Science). A double major is earned when the student completes discipline-specific requirements for each of the majors and all requirements for the degree. Both Area Fs may be satisfied by meeting the requirements for the first major. However, all pre-requisite requirements for major courses must be completed.

## **2<sup>nd</sup> Degree Policy (Post Baccalaureate)**

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 in addition to hours used towards the first baccalaureate degree.
- Demonstrate knowledge of the history and constitutions of the United States and of Georgia. Students who did not earned their first degree at a USG or TCSG school, must satisfy this requirement by taking the Georgia Government exam or taking both POLS 1101 and HIST 2111/2112

## **Minor**

A minor area of study requires a minimum of 15 semester credit hours. At least 9 of these credit hours must be at the 3000 level or higher. Courses taken to satisfy Core Area A through E may not be counted as coursework in the minor. Students may add minors at any time prior to graduation. To be noted on the transcript, a minor must be declared at the time of graduation and noted on the graduation application.

## **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 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.

## **Class Regulations**

The University policy governing semester academic course load for full-time status is as follows:

Undergraduate Full Time Status: 12 credit hours

Maximum semester hour limit: 18 credit hours

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.

## **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 Procedures**

#### **Original Jurisdiction**

Academic Grievances should first be reported to the academic department. If the appeal cannot be resolved by the department, it will be escalated to the College. As the final authority on decisions about academic grievances, Academic Affairs will make any final decision needed.

#### **Right of Appeal**

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

### Appellate Procedure

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

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

### Jurisdiction of Appeal

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

### Rights of Appellant

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

### Hearing Procedures

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

### Disciplinary Interim Suspension

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

## Classification of Courses

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

### Credit Course Description

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

## Online Education

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

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

### Code Category Description

- Entirely at a distance (E)



- Fully at a distance (F): All or nearly all of the class sessions are delivered via technology. The course does not require students to travel to a classroom for instruction; however, it might require students to travel to a site to attend an orientation or to take exams. (NOTE: This is generally equivalent to delivering more than 95 percent of sessions via technology.)
- Hybrid (H): Technology is used to deliver 50 percent or less of class sessions, but at least one class session is replaced by technology.
- Technology enhanced (T): Technology is used in delivering instruction to all students in the section, but no class sessions are replaced by technology.
- Null - No technology

#### Proctoring and Associated Fees

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

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

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

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

## Military and Veterans Affairs

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

Savannah State University maintains a School Certifying Official in the Department of Military and Veterans Affairs under the Vice President of Enrollment Management. 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 [va.gov](http://va.gov).

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](http://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 VA Enrollment Certification Request 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.

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/](http://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 university as 12 semester hours for undergraduate and 9 hours for graduate students. The VA honors these parameters for payment of benefits. 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 hours of physical fitness training and First Year Experience. A student desiring to use their GI Bill Benefits must submit a request for that semester containing the following documents:

- VA Enrollment Certification Request Form
- VA Letter of Eligibility or VA Letter of Remaining Benefits (LORB)
- Student Schedule/Bill from their Account.

## **Reserve Officer Training Corps (Military Service Commissioning Opportunities)**

Through the University's Army, Naval and Coast Guard Reserve Officer Training Corp Programs, Savannah State University students can prepare for commissioned service as regular or reserve officers in the Army, Navy, Marine Corps or Coast Guard, commensurate with earning their degree. The Army and Naval ROTC Programs constitute an academic minor in military and naval science, respectively. For further information, contact Army ROTC at (912) 325-4270, or Navy ROTC at (912) 358-3095 or Coast Guard at (912) 447-0832.

## **International Education Center**

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

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

The IEC also provides services to a growing number of international students from more than 40 countries. Students from around the world come to complete degrees at Savannah State. A number of students will begin their time at the university as a member of our English Language Institute and later transition to regular degree level programs. The center is designed to assist new international students with orientation, advisement, processing paperwork, as well as helping students adapt to cultural differences experienced while living in the United States. Our campus hosts students from a multitude of countries including: Ghana, Nigeria, Burkina Faso, Cameroon, the Democratic Republic of Congo, Ivory Coast, Brazil, The Bahamas, Antigua, United Kingdom, Ukraine, Columbia, Russia, Georgia, Canada, India, Jamaica, South Korea, and China.

In 2014, the International Education Center and the Chinese government launched The Confucius Institute on our campus. This institute promotes Chinese language and culture, allowing Savannah State University to expand these services to the City of Savannah and the region as a whole. Students and faculty have opportunities to travel to China to conduct research and increase their skills in Chinese language. United States business leaders benefit from the institute's partnerships, utilizing programs designed to teach American industries how to do business with China. The business exchange hosts programs for Chinese investors interested in discovering investment opportunities in Savannah.

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

Approximately 30 years ago, the USG assisted in the creation of one study abroad program to London via the USG European World Regional Council. Currently the USG European and Asian World Regional Councils actively offer 10 study abroad programs that serve more than 300 USG students each summer. The USG World Regional Councils will continue to exist, as they always have to provide

opportunities for both students and faculty to broaden their understanding of individual world regions by promoting activities that enrich teaching and research about these regions.

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

The USG Goes Global program will utilize the USG created Intra-Georgia Registration Sharing System (INGRESS), a multi-institutional registration system, to facilitate enrollments and provide an electronic classroom for all faculty teaching on USG Goes Global programs. Additionally, in the same manner as other collaborative programs created by the USG, USG Goes Global will pay institutions a competitive rate for faculty teaching on our summer study abroad programs. In doing so, the USG will attract faculty across the entire USG and thereby provide both students and faculty with impactful experiences abroad. For further information, contact the International Education Center (IEC) at (912) 358-4152.

## **The English Language Institute (ELI)**

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

## **Honors Program**

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

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

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

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

### **Honors Program Scholarship Recipient Guidelines**

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

### **Scholar Expectations**

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

# Core Curriculum

All students, regardless of major, must complete the University's core curriculum (Areas A – E). The core curriculum consists of sets of specific courses drawn from across the University's curriculum, which are usually completed prior to undertaking major field preparation. All students should complete the forty-two or forty-three (42-43) hours of core curriculum requirements during the first two years and prior to enrollment in their major classes. Area F (courses appropriate to the program of study) consists of 17-18 hours.

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

## Core Curriculum –

### \*Area A – Essential Skills 9 hrs

#### \*Area A1: Communication Skills

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

#### \*Area A2: Quantitative Skills

*Select one of the following:*

MATH 1001	Quantitative Reasoning	3 hrs
MATH 1111	College Algebra	3 hrs
MATH 1113	Pre-Calculus	3 hrs
MATH 1401	Elementary Statistics	3 hrs
MATH 2101	Calculus I	4 hrs

### Area B – Institutional Options 5 hrs

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

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

*Select one of the following:*

ENGL 2111	World Literature I	3 hrs
ENGL 2112	World Literature II	3 hrs
ENGL 2121	British Literature I	3 hrs
ENGL 2122	British Literature II	3 hrs
ENGL 2131	American Literature I	3 hrs
ENGL 2132	American Literature II	3 hrs
ENGL 2140	African American Literature	3 hrs
PHIL 2010	Introduction to Philosophy	3 hrs
PHIL 2030	Introduction to Ethics	3 hrs

*Select one of the following:*

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

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

#### Option I – Non-Science Majors

*Select two of the following:*

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

*Select one of the following lab sciences:*

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

MSCI 1501K	Intro to Marine Biology	4 hrs
PHSC 1011K	Physical Science I	4 hrs
PHSC 1012K	Physical Science II	4 hrs
PHYS 1111K	Introductory Physics I	4 hrs

#### \*Option II – Science Majors

*Select one of the following:*

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

*Select two of the following lab sciences:*

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

### Area E – Social Science 12 hrs

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

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

*Select two of the following:*

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

### TOTAL 42-43 hours

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

## State Legislative Requirement in History and Government

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

## Major Curriculum

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

## Minor Curriculum

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

## SSU Core Curriculum Learning Outcomes (CCLOs)

### Area A1: Communication Outcomes

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

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

### Area A2: Quantitative Outcomes

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

### Area B: Institutional Options

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

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

### Area C: Humanities and Fine Arts

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

### Area D: Science and Technology

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

### Area E: Social Sciences

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

### Area I: US Perspectives

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

### Area II: Global Perspectives

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

### Area III: Critical Thinking

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

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

# Undergraduate Academic Degree Programs, Minors and Certificates

## **College of Business Administration**

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

### **Minors**

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

Certificate in Data Analytics

## **College of Liberal Arts and Social Sciences**

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

### **Minors**

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

Certificate in Interdisciplinary Transportation Studies

## **College of Sciences and Technology**

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

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

**Minors**

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

Certificate in Virtual Forensic Science

**College of Education**

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

# College of Business Administration

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

The emphasis on the liberal arts is most significant during the freshman and sophomore years. Building on the liberal arts foundation, students are exposed to the functional areas of business and business tools to develop a clear understanding of how organizations work. Major areas of study provide students with the opportunity for in depth study in the selected major.

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

## Vision Statement

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

## Mission Statement

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

## Guiding Values

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

- 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 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, the prerequisite foundation course(s) for their major, BUSA 4126, and all courses in the students' designated Major.
- Class Restriction: students must be Juniors (60+ earned hours) to enroll in upper division business courses as well as satisfying any course-specific prerequisites.
- "42-hour rule" - Business students may enroll in upper division business classes, provided all course-specific prerequisites have been satisfied, if they have 1) a minimum of 42 earned hours and 2) have completed the business Area F. Students meeting these requirements should contact COBA Student Services for registration of the upper division courses.

## 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. Students may transfer up to 3 classes in the major area of specialization.

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

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

**\*MATH 1111 Required in Core Area A**

**\*CISM/CSCI 1130 Required in Core Area D**

*\*Note: CIS majors must make a grade of “C” or better in CISM 1130/CSCI 1130*

**ECON 2105 Required in Core Area E**

**Area F - Business Core 18 hrs**

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

*\*Note: Accounting Majors must make a grade of “C” or better in ACCT 2101 and 2102*

**Area G - Foundation Knowledge of Business 33 hrs**

MATH 1113	Pre-calculus	3 hrs
BUSA 2182	Intro to Business Statistics	3 hrs
BUSA 2185	Intro to Business Research	3 hrs
CISM 2130	Business Information Systems	3 hrs

*\*Note: CIS majors must make a grade of “C” or better in CISM 2130*

BUSA 3145	Global Business Issues	3 hrs
FINC 3155	Business Finance	3 hrs
MGNT 3165	Management of Organization	3 hrs

*\*Note: Management Majors must make a grade of “C” or better in MGNT 3165*

MKTG 3175	Principles of Marketing	3 hrs
MGNT 3185	Operations Management	3 hrs
BUSA 4126	Business Policy	3 hrs*

*\*Note: Marketing Majors must make a grade of “C” or better in MKTG 3175*

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

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

*Note: GLIB majors must take GLIB 2109 (C or better) instead of General Elective*

*\*A grade of “C” or better is required*

**Area of Specialization - Choose one of the following 27 hrs**

**Accounting 27 hrs**

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

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

*Choose one (1) from the following:*

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

**Computer Information Systems 27 hrs**

*The following courses are required of all CIS majors 18 hrs*

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

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

*Choose two for Analytics Track: 6 hrs*

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

*Choose two for Computer Information Systems Track: 6 hrs*

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

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

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

*Select either Analytics Track or Marketing Track 6hrs**Analytics Track (Choose any Two): 6 hrs**A grade of "C" or better is required in CISM/CSCI 1130*

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

*Marketing Track: 6 hrs**A grade of "C" or better is required in MKTG 3175*

MKTG 3179	Global Electronic Business	3 hrs*
MKTG 4179	International Mkg & Export Man.	3 hrs*
Free Elective - All majors		3 hrs

**Management 27 hrs***The following courses are required of all Management majors 15 hrs*

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

*Management Elective Requirement**Choose one (1) of the following MGNT course*

MGNT 4166, 4169, 4170, 4204, 4221, 4800	3 hrs*
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*Choose two (2) 3000/4000 business courses from the following:*

ACCT, BUSA, CISM, FINC, GLIB, MGNT, MKTG	6 hrs*
Free Elective - All majors	3 hrs

**Management Online 27 hrs***The following courses are required of all MGNT majors 12 hrs*

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

*Management Elective Requirement 12 hrs\***Choose one (1) 3000/4000 course from four (4) of the following areas: ACCT, BUSA, CISM, GLIB, MGNT, MKTG*

Free Elective - All majors	3 hrs
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**Marketing 27 hrs***The following courses are required of all Marketing majors 9 hrs*

MKTG 4116	Marketing Research	3 hrs*
MKTG 4179	International Bus Mkg & Export Mgmt	3 hrs*
MKTG 4185	Strategic Marketing	3 hrs*

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

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

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

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

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

MKTG 3176, 3178, 3179, 3186, 4175 or 4176; MGNT 4204; BUSA 4229; BUSA 4999/STAB 4101; GLIB 4194		
Free Elective - All majors		3 hrs

**TOTAL 120 hour****\*A grade of "C" or better is required**

**Minors in the College of Business Administration (for majors)**

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

**Accounting Minor (Business Majors) 15 hrs***Required:*

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

*Electives: (Choose two)*

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

**Computer Information Systems Minor****(Business Majors) 15hrs***Required:*

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

*Electives: (Choose three)*

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

**Entrepreneurship Minor (Business Majors) 15 hrs***Required:*

MGNT 3196	Entrep and Small Business Mngt	3 hrs*
MGNT 4204	Creativity and Entrepreneurship	3 hrs*
MGNT 4221	Social Entrepreneurship	3 hrs*
MKTG 3179	E-Marketing	3 hrs*
MKTG 4179	International Mkg and Export Mngt	3 hrs*

**Global Logistics & International Business Minor****(Business Majors) 15 hrs***Electives: (Choose five)*

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

**Management Minor (Business Majors) 15 hrs***Required:*

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

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

**Marketing Minor (Business Majors) 15 hrs***Required:*

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

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

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

**Accounting Minor (non-Business Majors) 15 hrs***Required:*

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

*Electives: (Choose two)*

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

**Business Minor (non-Business Majors) 15 hrs***Required:*

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

**Computer Information Systems Minor (Non-Business Majors) 15 hrs***Required:*

CISM 2130	Business Information System	3 hrs*
CISM 3137	System Analysis and Design	3 hrs*

*Electives: (Choose three)*

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

**Entrepreneurship Minor (Non-Business Majors) 15 hrs**

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

*Electives: (Choose one ACCT, BUSA, CISM, GLIB, MGNT, MKTG at the 3000 level or above) 3 hrs\**

**Global Logistics & International Business Minor (Non-Business Majors) 15 hrs***Required:*

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

GLIB 2109	Intro to Global Logistics, Transportation and International Business	3 hrs*
GLIB 3190	Global Supply Chain Management	3 hrs*
GLIB 3197	Global Business Logistics	3 hrs*
GLIB 4190	International Transportation and Carrier Management	3 hrs*
MGNT 4168	International Business Management	3 hrs*
BUSA 4999	Study Abroad Special Topics or	
STAB 4101	Individual Study Independent Research	3 hrs*

**Management Minor (Non-Business Majors) 15 hrs***Required:*

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

*Electives: (Choose three)*

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

**Marketing Minor (Non-Business Majors) 15 hrs***Required:*

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

*Electives: (Choose three)*

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

## Data Analytics Certificate

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

### Data Analytic Certificate 18 hrs

*Required:*

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

*\*Select any four (4) Electives* 12 hrs

CISM/DATA 3010	Business Intelligence	3 hrs
MATH /DATA 3115	Mathematical Data Analytics	3 hrs
MATH 3000	Introduction to Bio Statistics	3 hrs
CIVT/DATA 2113	Data Analytics in Transportation & Logistics	3 hrs
MSCI 3560/DATA 3560	Big Data Analysis in the Science	3 hrs
ENGT 3190/DATA 3190	Data Visualization	3 hrs
POLS/MSCI/ITSC 3702	Intro to Geographic Information Systems	3 hrs

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

# 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 a professional academic advisor from the Center of Academic Student Success, as well as a faculty mentor within their major department. 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 both their advisor and faculty mentor before registering. Students should also work with their faculty mentor to develop a plan of academic progress for their major. In addition, students should alert their advisors immediately when they deviate from their approved academic plan.

## **Transient Students**

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

Select the course(s) you would like to take at the college/university; using the course descriptions from both institutions, make sure the course(s) are comparable to a course(s) here at SSU.

Make a copy of the catalog course description from the other college/university and from Savannah State University.

If the course falls under the College of Business Administration (COBA) or the College of Science and Technology (COST), please have the appropriate department sign off on the course description page to certify that the course is an appropriate transfer course.

Bring the completed Transient Form, catalog descriptions and other supporting documentation to your academic advisor and department chair. Submit the application with signatures for processing to the Dean's Office. (Allow five business days for processing). All forms turned in after the posted deadlines will be subject to a longer processing time regardless of the deadline for the institution for which you are applying for transient status.

## **Associate of Arts, Core Curriculum**

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

## Program of Study

### Associate of Arts, Core Curriculum –

#### **Area A – Essential Skills 9 hrs**

##### *\*AREA A1: Communication Skills*

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

##### *\*AREA A2: Quantitative Skills*

##### *Select one of the following:*

MATH 1001	Quantitative Reasoning	3 hrs
MATH 1111	College Algebra	3 hrs
MATH 1113	Pre-Calculus	3 hrs
MATH 1401	Elementary Statistics	3 hrs
MATH 2101	Calculus I	4 hrs

#### **Area B – Institutional Options 5 hrs**

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

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

##### *Select one of the following:*

ENGL 2111	World Literature I	3 hrs
ENGL 2112	World Literature II	3 hrs
ENGL 2121	British Literature I	3 hrs
ENGL 2122	British Literature II	3 hrs
ENGL 2131	American Literature I	3 hrs
ENGL 2132	American Literature II	3 hrs
ENGL 2140	African American Literature	3 hrs
PHIL 2010	Introduction to Philosophy	3 hrs
PHIL 2030	Introduction to Ethics	3 hrs

##### *Select one of the following:*

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

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

##### **Option I – Non-Science Majors**

##### *Select two of the following:*

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

##### *Select one of the following lab sciences:*

BIOL 1103/1103L	General Biology/Lab	4 hrs
BIOL 1104/1104L	Human Biology/Lab	4 hrs
CHEM 1101K	Introduction to Chemistry	4 hrs
ISCI 1111K	Integrated Science II	4 hrs
MSCI 1501K	Intro to Marine Biology	4 hrs
PHSC 1011K	Physical Science I	4 hrs
PHSC 1012K	Physical Science II	4 hrs
PHYS 1111K	Introductory Physics I	4 hrs

#### **Area E – Social Science 12 hrs**

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

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

##### *Select two of the following:*

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

#### **Area F - Electives 18 hrs**

*Select 18 hours of general electives at the 1000 or 2000 level*

#### **TOTAL 60 hours**

**\*A grade of “C” or better required**

## **Department of English, Languages, and Cultures**

### **Mission**

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

### **Departmental Description**

The Department of English, Languages, and Cultures includes the programs of First-Year Writing English Language and Literature, and World 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 world 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.

### **First-Year Writing**

Entering freshmen who meet the requirements of regular admission are placed in ENGL 1101. Applicants who do not meet the requirements for regular admission may be placed in ENGL 1101 with a co-requisite ENGL 0999.

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

### **Advanced Placement and Credit by Examination**

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

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

### **English Language and Literature Major**

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

As sophomores, students should prepare to major in English by taking ENGL 2105, which is a prerequisite to all literature courses on the 3000 or 4000 level. For English majors entering the program in fall 2019 or later, other courses required in area F include survey courses in British, American, and African American literature designed for English majors (ENGL 2120, 2130, and 2220), and one language course on the intermediate level (2001). 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 professional advisor and must consult with their faculty mentor prior to registering each semester.

Students must earn a minimum grade of “C” in all prerequisite courses prior to registering for an upper level course. Students must earn a minimum grade of “C” in all major courses and all courses listed under Area F.



**Note:** 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**

**\*Area F 18 hrs**

CLAS 1103	Freshmen Year Experience	2 hrs
ENGL 1104	Exploring the English Major	1 hr
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

**\*Hours required for the Major 60 hrs**

**\*ENGL Required Courses 39 hrs**

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

**\*3000-level British Literature 3 hrs**

*Select from the following:*

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

**\*3000-level American Literature 3 hrs**

*Select from the following*

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

**\*3000-level African American Literature 3 hrs**

*Select from the following*

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

**\*3000-level World/Global Literature 3 hrs**

*Select from the following*

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

**\*3000-level Writing Course 3 hrs**

*Select from the following:*

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

**\*4000-level Elective in English 3 hrs**

*Select from the following:*

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

**\*ENGL Major Electives 12 hrs**

Any four 3000/4000-level courses not required elsewhere

**\*Minor or Additional Coursework 15 hrs**

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

**\*Open Electives 6 hrs**

**TOTAL 120 hours**

**\*A grade of “C” or better required**

### **Minor in English Language and Literature**

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

### **Area of Concentration in French or Spanish**

The aims of the French and Spanish areas of concentration are (1) to develop the ability to communicate in a world language; (2) instill respect for other people and other cultures; (3) to develop an appreciation for the artistic expressions which are found in other languages, and (4) to bring about a greater awareness of our cultural heritage. The French or Spanish concentration consists of the second intermediate course (2002) in the language and twelve additional hours at the 3000 or 4000 level.

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

## **Department of Humanities, Fine Arts, and Wellness**

### **Mission**

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

### **Visual and Performing Arts Program**

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

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

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

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

### **Visual Arts**

Portfolio submitted, reviewed & awarded a score of at least 75%; Evidence of previous related experience; two letters of recommendation

### **Music**

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

### **Theatre and Dance**

Audition completed and awarded a score of at least 75%; Evidence of previous related experience; two letters of recommendation

### **Program Requirements and Expectations**

Auditions and portfolio reviews will be held in 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.

## **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**

Health Education provides wellness-based elective 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.

**Program of Study –****Bachelor of Fine Arts - Dance Concentration****Areas A, B, C, D, E, and additional requirements 42 hrs****Area F 18 hrs**

CLAS 1103	First Year Experience	2 hrs
FINE 1101	FYE Arts Practices	1 hr
FINE 2104	Portfolio Career Marketing	3 hrs
FINE 2909	Arts Administration	3 hrs
FINE 2999	Legal Aspects of the Arts	3 hrs
<i>Foreign Language Sequence</i>		<i>6 hrs</i>
Foreign Language I		3 hrs
Foreign Language II		3 hrs

**Dance Core Courses 27 hrs**

DNCE 1000	Dance Forum (7 semesters) corequisite with technique: DNCE 2600, 2501, 3662, 3600, 3503, 3400, 3401, 4504, 4503, 4504, 4601	0 hrs
HEDU 2101	Structural Kinesiology	3 hrs
THEA 2601	Stagecraft	3 hrs
THEA 3125	Stage Makeup & Cost	3 hrs
DNCE 3501	Dance History I	3 hrs
DNCE 3502	Dance History II	3 hrs
DNCE 4500	Composition	3 hrs
DNCE 4501	Dance Theory	3 hrs
DCED 4416	Dance Education and Pedagogy	3 hrs

*Select one from the following history courses:*

DNCE 4550	Dancing in the Movies	3 hrs
THEA 4051	Black American Theatre & Performance	3 hrs
THEA 4055	Theatre History I	3 hrs
THEA 4056	Theatre History II	3 hrs
THEA 4058	Women in Theatre	3 hrs

**Dance Technique & Performance Area 19 hrs**

DNCE 2600	Ballet I	3 hrs
DNCE 3662	Ballet II	2 hrs
DNCE 2900	Modern I	3 hrs
DNCE 3600	Modern II	2 hrs
DNCE 3900	Dances of African Diaspora I	3 hrs
DNCE 3700	Jazz I	3 hrs
DNCE 4201	Dance Theater	3 hrs

**Performance Area 5 hrs**

DNCE 2851, 2855, 3850, 3855, 4850, 4855	Performance Ensemble	6 hrs
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**VaPA Electives 3 hrs**

Any VaPA course at the 3000 level or above in the major in consultation with advisor		3 hrs
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**Senior Capstone 6 hrs**

FINE 3999	Internship	3 hrs
FINE 4999	Senior Thesis	3 hrs

**TOTAL 120 hours****Program of Study –****Bachelor of Fine Arts - Music Concentration****(Instrumental)****Areas A, B, C, D, E, and additional requirements 42 hrs****Area F 18 hrs**

CLAS 1103	First Year Experience	2 hrs
FINE 1101	FYE Arts Practices	1 hr
FINE 2104	Portfolio Career Marketing	3 hrs
FINE 2909	Arts Administration	3 hrs
FINE 2999	Legal Aspects of the Arts	3 hrs
<i>Foreign Language Sequence</i>		<i>6 hrs</i>
Foreign Language I		3 hrs
Foreign Language II		3 hrs

**Music Core Courses 29 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	3 hrs

*Select one from the following music history courses:*

MUSC 3011	African American Music	3 hrs
MUSC 4010	Contemporary Music History	3 hrs

**Instrumental Emphasis 19 hrs**

MUSC 2421	Instrumental Methods	2 hrs
MUSC 3201	Symphonic Music Literature	2 hrs
MUSC 4420	Instrumental Pedagogy	2 hrs
MUSC 1421, 1422, 2431, 2432, 3421, 3422, 4421, 4422	Applied Major Area	7 hrs

*Choose from the following Ensemble Courses:*

MUSC 1408, 1409, 2408, 2409, 3408, 3409, 4408, 4409, 1808, 1809, 2808, 2809, 3808, 3809, 4808, 4809, 1455, 1456, 2455, 2456, 3455, 3456, 4455, 4456		6 hrs
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**VaPA Electives 6 hrs****Senior Capstone 6 hrs**

FINE 3999	Internship	3 hrs
FINE 4999	Senior Thesis	3 hrs

**TOTAL 120 hours**

<b>Program of Study – Bachelor of Fine Arts - Music Concentration (Piano)</b>		
<b>Areas A, B, C, D, E, and additional requirements 42 hrs</b>		
<b>Area F</b>		<b>18 hrs</b>
CLAS 1103	First Year Experience	2 hrs
FINE 1101	FYE Arts Practices	1 hr
FINE 2104	Portfolio Career Marketing	3 hrs
FINE 2909	Arts Administration	3 hrs
FINE 2999	Legal Aspects of the Arts	3 hrs
<i>Foreign Language Sequence</i>		<i>6 hrs</i>
Foreign Language I		3 hrs
Foreign Language II		3 hrs
<b>Music Core Courses</b>		<b>24 hrs</b>
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	3 hrs
<i>Select one from the following music history courses:</i>		
MUSC 3011	African American Music	3 hrs
MUSC 4010	Contemporary Music History	3 hrs
<b>Piano Emphasis</b>		<b>24 hrs</b>
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
Applied Major Area		7 hrs
MUSC 1534, 1535, 2534, 2535, 3534, 3535, 4534, 4535		
Applied Minor Area		
MUSC 1644, 1645, 2644, 2645		4 hrs
<i>Choose from the following Ensemble Courses:</i>		
MUSC 1608, 1609, 2608, 2609, 3608, 3609, 4608, 4609, 1711, 1712, 2711, 2712, 3711, 3712, 4711, 4712, 1455, 1456, 2455, 2456, 3455, 3456, 4455, 4456		6 hrs
<b>VaPA Electives</b>		<b>6 hrs</b>
<b>Senior Capstone</b>		<b>6 hrs</b>
FINE 3999	Internship	3 hrs
FINE 4999	Senior Thesis	3 hrs
<b>TOTAL 120 hours</b>		

<b>Program of Study – Bachelor of Fine Arts - Music Concentration (Voice)</b>		
<b>Areas A, B, C, D, E, and additional requirements 42 hrs</b>		
<b>Area F</b>		<b>18 hrs</b>
CLAS 1103	First Year Experience	2 hrs
FINE 1101	FYE Arts Practices	1 hr
FINE 2104	Portfolio Career Marketing	3 hrs
FINE 2909	Arts Administration	3 hrs
FINE 2999	Legal Aspects of the Arts	3 hrs
<i>Foreign Language Sequence</i>		<i>6 hrs</i>
Foreign Language I		3 hrs
Foreign Language II		3 hrs
<b>Music Core Courses</b>		<b>28 hrs</b>
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	3 hrs
<i>Select one from the following music history courses:</i>		
MUSC 3011	African American Music	3 hrs
MUSC 4010	Contemporary Music History	3 hrs
<b>Voice Emphasis</b>		<b>20 hrs</b>
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	1 hr
MUSC 1644, 1645, 2644, 2645, 3644, 3645, 4644, 4645		Applied Major Area 7 hrs
<i>Choose from the following Ensemble Courses:</i>		
MUSC 1608, 1609, 2608, 2609, 3608, 3609, 4608, 4609, 1711, 1712, 2711, 2712, 3711, 3712, 4711, 4712		6 hrs
<b>VaPA Electives</b>		<b>6 hrs</b>
<b>Senior Capstone</b>		<b>6 hrs</b>
FINE 3999	Internship	3 hrs
FINE 4999	Senior Thesis	3 hrs
<b>TOTAL 120 hours</b>		

<b>Program of Study –</b>		
<b>Bachelor of Fine Arts - Visual Arts Concentration</b>		
<b>Areas A, B, C, D, E, and additional requirements</b>		<b>42 hrs</b>
<b>Area F</b>		<b>18 hrs</b>
CLAS 1103	First Year Experience	2 hrs
FINE 1101	FYE Arts Practices	1 hr
FINE 2104	Portfolio Career Marketing	3 hrs
FINE 2909	Arts Administration	3 hrs
FINE 2999	Legal Aspects of the Arts	3 hrs
<i>Foreign Language Sequence</i>		<i>6 hrs</i>
Foreign Language I		3 hrs
Foreign Language II		3 hrs
<b>Visual Arts Major Required Courses</b>		<b>24 hrs</b>
ARTS 1010	Drawing I	3 hrs
ARTS 1011	Drawing II	3 hrs
ARTS 1030	3D Design	3 hrs
ARTS 1060	Color Composition	3 hrs
ARTS 2800	New Media Design	3 hrs
ARTH 4602	Art History I	3 hrs
ARTH 4603	Art History II	3 hrs
<i>Select one from the following art history courses:</i>		
ARTH 3601	African American Art	3 hrs
ARTH 4600	African Art	3 hrs
ARTH 4604	Contemporary Art	3 hrs
FINE 4909	Special Topics	3 hrs
<b>Visual Arts Studio Emphasis</b>		<b>21 hrs</b>
<i>Choose four (4) art studio courses (One course must be 2D concept; one must be 3D concept):</i>		
ARTS 3101, 3201, 3301, 3401, 3512, 3601, 3701,		
THEA 2601, 3004, 3125,		
FINE 4900-4909		12 hrs
<i>Choose three upper division studio courses</i>		
ARTS 3012, 3122, 3211, 3311, 3411, 3611, 3711, or		
Special Topics		9 hrs
<b>Senior Capstone</b>		<b>9 hrs</b>
ARTS 4900	Issues in Studio Arts	3 hrs
FINE 3999	Internship	3 hrs
FINE 4999	Senior Thesis	3 hrs
<b>General Electives</b>		<b>6 hrs</b>
<b>TOTAL 120 hours</b>		

<b>Program of Study –</b>		
<b>Bachelor of Fine Arts - Theater Concentration</b>		
<b>Areas A, B, C, D, E, and additional requirements</b>		<b>42 hrs</b>
<b>Area F</b>		<b>18 hrs</b>
CLAS 1103	First Year Experience	2 hrs
FINE 1101	FYE Arts Practices	1 hr
FINE 2104	Portfolio Career Marketing	3 hrs
FINE 2909	Arts Administration	3 hrs
FINE 2999	Legal Aspects of the Arts	3 hrs
<i>Foreign Language Sequence</i>		<i>6 hrs</i>
Foreign Language I		3 hrs
Foreign Language II		3 hrs
<b>Visual Arts Major Required Courses</b>		<b>18 hrs</b>
DNCE 1501	Dance Fundamentals	3 hrs
THEA 2601	Stagecraft	3 hrs
THEA 3122	Movement I	3 hrs
THEA 3123	Movement II	3 hrs
THEA 3125	Stage Makeup & Costume	3 hrs
<i>Choose one Theater History Course not required elsewhere:</i>		
THEA 4051, 4055, 4056, 4058; FINE 4909		3 hrs
<b>Theatre Emphasis</b>		<b>27 hrs</b>
THEA 3101	Acting I	3 hrs
THEA 4101	Acting II	3 hrs
THEA 4055	Theatre History I	3 hrs
THEA 4056	Theatre History II	3 hrs
THEA 4201	Directing	3 hrs
<i>Choose four (4) additional Theater courses:</i>		
THEA 2525, 3004, 4103, 4104, 4105;		
SPEH 2101, 2111, MUSC 4645,		
FINE 4900-4909		12 hrs
<b>Senior Capstone</b>		<b>9 hrs</b>
THEA 4111	Performance, Production and Management	3 hrs
FINE 3999	Internship	3 hrs
FINE 4999	Senior Thesis	3 hrs
<b>General Electives</b>		<b>6 hrs</b>
<b>TOTAL 120 hours</b>		

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

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

**Area F 18 hrs**

EDUC 1103	FYE for Future Educators	2 hrs
FINE 1101	FYE Arts Practices	1 hr
EDUC 2100	Reading and Writing Strategies	3 hrs
EDUC 2110	Investigating Critical and Contemporary Issues in Education	3 hrs
EDUC 2120	Socio-cultural Influences in Teaching and Learning	3 hrs
EDUC 2130	Exploring Teaching and Learning	3 hrs
EDUC 2000	Educational Technology	3 hrs

**Music Core Courses 26 hrs**

MUSC 1000	Recital (3 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	3 hrs

**Instrumental Emphasis 12 hrs**

MUSC 2421	Instrumental Methods	2 hrs
MUSC 2422	Instrumental Methods II	2 hrs
MUSC 4420	Instrumental Pedagogy	2 hrs
MUSC 1421, 1422, 2431, 2432	Applied Major Area	3 hrs

*Choose from the following Ensemble Courses:*

MUSC 1408, 1409, 2408, 2409, 1808, 1809, 2808, 2809, 1455, 1456, 2455, 2456		3 hrs
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**Education Concentration 22 hrs**

EDUC 3030	Teaching Exceptional Learners	3 hrs
EDUC 3200	Curriculum & Assessment	3 hrs
MUED 4417	Music in Elementary Schools	2 hrs
MUED 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  
(Piano)**

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

**Area F 18 hrs**

EDUC 1103	FYE for Future Educators	2 hrs
FINE 1101	FYE Arts Practices	1 hr
EDUC 2100	Reading and Writing Strategies	3 hrs
EDUC 2110	Investigating Critical and Contemporary Issues in Education	3 hrs
EDUC 2120	Socio-cultural Influences in Teaching and Learning	3 hrs
EDUC 2130	Exploring Teaching and Learning	3 hrs
EDUC 2000	Educational Technology	3 hrs

**Music Core Courses 23 hrs**

MUSC 1000	Recital (3 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	3 hrs

**Piano Emphasis 15 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 3531	Accompaniment	1 hr
MUSC 3532	Accompaniment	1 hr
MUSC 4531	Accompaniment	1 hr
MUSC 1534, 1535, 2534, 2535	Applied Major Area	3 hrs

*Choose from the following Ensemble Courses:*

MUSC 1608, 1609, 2608, 2609, 3608, 3609, 4608, 4609, 1711, 1712, 2711, 2712, 3711, 3712, 4711, 4712, 1455, 1456, 2455, 2456, 3455, 3456, 4455, 4456		3 hrs
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**Education Concentration 22 hrs**

EDUC 3030	Teaching Exceptional Learners	3 hrs
EDUC 3200	Curriculum & Assessment	3 hrs
MUED 4417	Music in Elementary Schools	2 hrs
MUED 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  
(Voice)**

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

**Area F 18 hrs**

EDUC 1103	FYE for Future Educators	2 hrs
FINE 1101	FYE Arts Practices	1 hr
EDUC 2100	Reading and Writing Strategies	3 hrs
EDUC 2110	Investigating Critical and Contemporary Issues in Education	3 hrs
EDUC 2120	Socio-cultural Influences in Teaching and Learning	3 hrs
EDUC 2130	Exploring Teaching and Learning	3 hrs
EDUC 2000	Educational Technology	3 hrs

**Music Core Courses 27 hrs**

MUSC 1000	Recital (3 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 2421	Instrumental Methods	2 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	3 hrs

**Voice Emphasis 11 hrs**

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

*Choose from the following Ensemble Courses:*

MUSC 1608, 1609, 2608, 2609, 1711, 1712, 2711, 2712		3 hrs
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**Education Concentration 22 hrs**

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

**TOTAL 120 hours**

**Minor in Visual and Performing Arts**

**Choose 3 hours from the following Fine Arts History**

**Courses:**

ARTH 3601	African American Art	3 hrs
ARTH 4600	African Art	3 hrs
ARTH 4601	Art History I	3 hrs
ARTH 4602	Art History I	3 hrs
ARTH 4603	Art History II	3 hrs
ARTH 4604	Contemporary Art	3 hrs
DNCE 3501	Dance History I	3 hrs
DNCE 3502	Dance History II	3 hrs
DNCE 4550	Dancing in the Movies	3 hrs
MUSC 3121	History and Literature Music I	3 hrs
MUSC 3122	History and Literature Music II	3 hrs
MUSC 3011	African American Music	3 hrs
MUSC 4010	Contemporary Music History	3 hrs
THEA 4051	Black American Theatre & Perf	3 hrs
THEA 4055	Theatre History I	3 hrs
THEA 4056	Theatre History II	3 hrs
THEA 4058	Women in Theatre	3 hrs

**12 additional hours in any ARTS, DNCE, FINE, MUSC**

**and/or THEA course**

*6 hours must be 3000 or above*

**TOTAL 15 hours**



## **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 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.
- To prepare students for graduate study in mass communications, film, and other areas of endeavor.

### **Accreditation**

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

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

### **Academic Requirements for the Baccalaureate Degree in Journalism and Mass Communications**

Students enrolled in the mass communications degree program will be assigned an academic advisor in the department. Students are required to be counseled by an advisor prior to registering for a course. Students must earn a minimum grade of "C" in all prerequisite courses prior to registering for an upper level course. Students must earn a minimum grade of "C" in all major courses and all courses that are appropriate to the major. Generally, the courses appropriate to the major are listed under Area F courses. Senior mass communications majors must take the departmental exit examination and submit the senior portfolio.

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

**\*Area F 18 hrs**

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

*\*Foreign Language*

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

Foreign Language I	3 hrs
Foreign Language II	3 hrs

**\*Hours required for the Major 30 hrs**

COMM 3120 Intro to Comm Theory	3 hrs
COMM 3110 Layout and Design	3 hrs
COMM 3105 News Writing & Reporting	3 hrs
COMM 3201 Feature Reporting & Writing	3 hrs
COMM 4170 Advanced Journalism	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**

CLAS 1103 Freshmen Year Experience	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**

**\*A grade of “C” or better is required**

**Program of Study – Bachelor of Arts in Mass  
Communication –  
Multimedia & Digital Communications**

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

**\*Area F 18 hrs**

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

*\*Foreign Language*

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

Foreign Language I	3 hrs
Foreign Language II	3 hrs

**\*Hours required for the Major 30 hrs**

COMM 3120 Intro to Comm Theory	3 hrs
COMM 3303 Scriptwriting for Media	3 hrs
COMM 3301 Intro to Multimedia Prod.	3 hrs
COMM 4107 Adv. Video & Post Prod	3 hrs
COMM 4110 Audio Prod. & Sound Design	3 hrs
COMM 4705 Media Ethics & The Law	3 hrs
COMM 4815 The Documentary	3 hrs
COMM 4902 Professional Internship	3 hrs
COMM 4106 Comm. Practicum	3 hrs

*\*Major Option - Select one from the following:*

COMM 3101 Media Arts & Design	3 hrs
COMM 3102 Photography for Multimedia	3 hrs
COMM 3110 Layout and Design	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**

CLAS 1103 Freshmen Year Experience	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**

**\*A grade of “C” or better is required**

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

**\*Area F 18 hrs**

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

**\*Foreign Language**

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

Foreign Language I	3 hrs
Foreign Language II	3 hrs

**\*Hours required for the Major 30 hrs**

COMM 3120 Intro to Comm Theory	3 hrs
COMM 3110 Layout and Design	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 3301, 3106, 3951, 3952, 4950, 4951, 4952, 4953, 4954, 4955, 4956 Special Topics	3 hrs

**\*Additional Requirements 8 hrs**

CLAS 1103 Freshmen Year Experience	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**

**\*A grade of “C” or better is required**

**Mass Communication Minor 15 hrs**

\*Required:

*COMM 2101 Writing for Multimedia	3 hrs
*COMM 3110 Layout and Design	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

**\*A grade of “C” or better is required**

## **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. Graduates can begin a career helping people live better lives or pursue graduate studies in behavior analysis, psychology, and related fields. Students will learn the fundamental principles of behavior and the science of behavior change in a context of ethical responsibility. The Association for Behavior Analysis International has verified the following courses (BEHV 3103, BEHV 3104, BEHV 3105, BEHV 3117, and BEHV 3740) toward the coursework requirements for eligibility to take the Board Certified Assistant Behavior Analyst Examination®. Applicants will have to meet additional requirements to qualify.

### **Criminal Justice**

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

### **History**

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

### **Sociology**

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

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

AFRS 2000 Introduction to Africana Studies 3 hrs

*Choose one (1) of the following:*

HIST 1111 World History to Early Modern Times 3 hrs

HIST 1112 World History from Early Modern Times – Present 3 hrs

*Choose one (1) of the following:*

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

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

*Choose one (1) of the following:*

GEOG 1101 Introduction to Human Geography 3 hrs

ANTH 1101 Introduction to Anthropology 3 hrs

**Foreign Language 6 hrs**

Foreign Language I 3 hrs

Foreign Language II 3 hrs

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

AFRS 3141 African Politics 3 hrs

AFRS 3301 African American History to 1900 3 hrs

AFRS 3501 Survey of African Culture 3 hrs

AFRS 4501 African Am &amp; Pan Africanism 3 hrs

AFRS 4601 Senior Seminar 3 hrs

AFRS 4701 African since 1885 3 hrs

**\*Category I: Social Sciences 6 hrs***Select from the following:*

AFRS 3000 Africana Political Ideology &amp; Phil 3 hrs

AFRS 3102 African &amp; African American Families 3 hrs

AFRS 3111 Africana Woman 3 hrs

AFRS 3312 African Americans in the 20th century 3 hrs

AFRS 3601 African American Politics 3 hrs

AFRS 3901 Internship 3 hrs

AFRS 4311/

PSYC 4311 Psychology of the African American Exp 3 hrs

**\*Category II: Liberal Arts 6 hrs**

COMM 2106 African Americans in the Media 3 hrs

MUSC 3011 African Music 3 hrs

AFRS 3211 Religion &amp; African Thought Systems 3 hrs

ENGL 3212 African American Oral Tradition 3 hrs

ENGL 3216 African American Poetry 3 hrs

ARTH 3601 African American Art 3 hrs

FREN 4100 Survey of African &amp; Caribbean 3 hrs

AFRS 4211 African American Drama 3 hrs

**General Electives 15 hrs****\*\*Minor Requirements 15 hrs****TOTAL 122 hours****\*A grade of “C” or better is required****\*\*Some minors require minimum grade of C**

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

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

BEHV 1101 Intro to Behavior Analysis 3 hrs

BEHV 2000 Basic Concepts in Behavior Analysis 3 hrs

BEHV 2101 History of Behavior Analysis 3 hrs

BEHV 2106 Research Methods and Data Analysis I 3 hrs

BEHV 2107 Research Methods and Data Analysis II 3 hrs

PSYC 1101 Intro to General Psychology 3 hrs

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

BEHV 3103 Measurement in Behavior Analysis 3 hrs

BEHV 3104 Behavior Change in Behavior Analysis 3 hrs

BEHV 3105 Learning and Motivation 3 hrs

BEHV 3117 Behavior Assessment &amp; Behavior Change 3 hrs

BEHV 3740 Behavior Ethics 3 hrs

BEHV 4213 Research Seminar 4 hrs

**\*Major Electives 15 hrs***At least 9 hours in this area must be BEHV classes*

BEHV 3106 Behavioral Neuroscience 3 hrs

BEHV 3118 Multicultural and Social Issues in Behavior Analysis 3 hrs

BEHV 3710 Autism Spectrum Disorders 3 hrs

BEHV 3720 Community Applications of Behavior Analysis 3 hrs

BEHV 3730 Organizational Behavior Management 3 hrs

BEHV 3750 Science, Skepticism, &amp; Critical Thinking 3 hrs

BEHV 4000 Selected Topics 3 hrs  
(can be repeated for credit with different topics)BEHV 4212 Intern/Research in Behavior Analysis 1-12 hrs  
(can be repeated for credit up to 12 credits)

PSYC 3301 Social Psychology 3 hrs

PSYC 3311 Group Process 3 hrs

PSYC 3401 Tests and Measurements 3 hrs

PSYC 3901 Internship 1-10 hrs

PSYC 4101 Theories of Personality 3 hrs

PSYC 4201 Health Psychology 3 hrs

PSYC 4311/

AFRS 4311 Psychology of the African Am Exp 3 hrs

PSYC 4601 Diagnostic Analyses 3 hrs

PSYC 4602 Special Topic 3 hrs  
(can be repeated for credit with different topics)

PSYC 4701 Abnormal Behavior 3 hrs

**General Electives and/or \*Minor courses 24 hrs****--at least 5 hours in this area must be 3000-level or above****--Additional BEHV/PSYC classes recommended****\*A grade of “C” or better is required\*\*Some minors require minimum grade of C****TOTAL 120 hour**

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

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

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

Foreign Language I 3 hrs

Foreign Language II 3 hrs

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

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

**\*Major Electives 18 hrs***Any combination of 3000 and 4000 level courses from the following:*

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

**General Electives 6 hrs****\*\*Major Electives or Approved Minor/Concentration 15 hrs****TOTAL 120 hours****\*A grade of "C" or better is required****\*\*Some minors require minimum grade of C****Program of Study –****Bachelor of Arts in History****Areas A, B, C, D, E, and additional requirements 42 hrs****CLAS 1103 Freshmen Year Experience 2 hrs****\*Area F 18 hrs**

HIST 1111	World Hist to Early Modern Times	3 hrs
HIST 1112	Wld Hist from Early Mod Ti to Pres	3 hrs
HIST 2111	U.S. History to Post-Civil War	3 hrs
GEOG 1101	Introduction to Human Geography	3 hrs

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

Foreign Language I 3 hrs

Foreign Language II 3 hrs

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

HIST 3101	Historical Research	3 hrs
HIST 3312	African Amer Hist in the 20 <sup>th</sup> Cent	3 hrs
HIST 3412	History of Modern Europe	3 hrs
HIST 3502	The Ameri Rev & the New Nation	3 hrs
HIST 4601	Latin America in the Modern World	3 hrs
HIST 4901	Senior Seminar	3 hrs

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

HIST 3301	African American Hist before 1900	3 hrs
HIST 4301	History of Africana Thought	3 hrs
HIST 4701	African History before 1800	3 hrs
HIST 4702	African History since 1800	3 hrs

**Category II: Asian and Latin American History**

HIST 3601	Colonial & Early Nat Latin Am His	3 hrs
HIST 3801	Modern Asian History	3 hrs
HIST 4801	History of China since 1600	3 hrs
HIST 4805	20 <sup>th</sup> Century East Asian Eco Hist	3 hrs

**Category III: Western History**

HIST 3411	History of Early Modern Europe	3 hrs
HIST 3501	Colonial American History	3 hrs
HIST 3503	American Civil War and Recon	3 hrs
HIST 3504	Recent American History	3 hrs
HIST 4411	History of Modern Britain	3 hrs
HIST 4511	Topics in American History	3 hrs

**Category IV: Other (Optional)**

HIST 3901	Internship	6 hrs
HIST 3909	Readings in History	3 hrs

**Electives 13 hrs**

See your advisor for the double major or AFRS concentration – electives can be any level of courses

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

9 hours must be 3000 and above

**TOTAL 120 hours****\*A grade of "C" or better is required****\*\*Some minors require minimum grade of C****\*\*History majors have to take both HIST 1111 and HIST 1112 and HIST 2111 and HIST 2112\*\***

**Program of Study –**

**Bachelor of Science in Sociology**

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

**CLAS 1103 Freshmen Year Experience 2 hrs**

**\*Area F 18 hrs**

SOCI 1101 Introductory Sociology 3 hrs

PSYC 1101 Intro to General Psychology 3 hrs

SOCI 2101 Social Statistics 3 hrs

GEOG 1101 Human Geography or

ANTH 1101 Anthropology 3 hrs

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

Foreign Language I 3 hrs

Foreign Language II 3 hrs

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

SOCI 3611 Minorities in the Social Environment 3 hrs

SOCI 3036 Social Stratification 3 hrs

SOCI 3201 Classical Theory or

SOCI 4312 Contemporary Theory 3 hrs

SOCI 3401 Research Methods 3 hrs

SOCI 4901 Senior Seminar 3 hrs

**\*Major Electives 18 hrs**

*Select four (4) from the following 3000 level courses:*

SOCI 3101 The Family 3 hrs

SOCI/GEOG 3122 Sociology of Poverty 3 hrs

SOCI 3201 Classical Theory 3 hrs

SOCI 3219 Social Deviance 3 hrs

SOCI 3360 Sociology of Aging 3 hrs

SOCI 3425 Sex, Roles and Gender 3 hrs

SOCI/GEOG 3621 Demography 3 hrs

SOCI 3631 Urban Sociology 3 hrs

SOCI 3651 Sociology of Religion 3 hrs

SOCI 3901 Internship 6 hrs

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

SOCI 4101 Independent Study 3 hrs

SOCI/CRJU 4111 Criminology 3 hrs

SOCI 4135 Sociology of Law 3 hrs

SOCI/CRJU 4311 Juvenile Delinquency 3 hrs

SOCI 4312 Contemporary Theory 3 hrs

SOCI 4421 Seminar of the African American

Experience 3 hrs

SOCI 4601 Special Topics 3 hrs

**General Electives 12 hrs**

**\*\*Electives or Minor (Optional) 15 hrs**

9 hours must be 3000 or 4000 level courses

**TOTAL 120 hrs**

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

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

**Minors in the Department of Social and Behavioral Sciences****\*Africana Studies Minor 15 hrs**

AFRS 2000	Introduction to Africana Studies	3 hrs
HIST 3301	Africana American Hist to 1900	3 hrs
	Select three upper level courses from the following:	9 hrs
AFRS 3301	African American History to 1877	3 hrs
AFRS 3312	African Americans in the 20 <sup>th</sup> Cen	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/		
PSYC 4311	Psychology of the African Amer Exp	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

**\*A grade of “C” or better is required****\*Behavior Analysis Minor 15 hrs**

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

**\*A grade of “C” or better is required****\*Criminal Justice Minor 15 hrs**

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

*Three upper level CRJU classes*

(except CRJU 3901 or 4901) 9 hrs

**\*A grade of “C” or better is required****\*History Minor 15 hrs***Choose one (1) of the following four (4) courses:*

HIST 1111	World History to Early Modern Times	3 hrs
HIST 1112	World Hist from Early Modern Times -	3 hrs
HIST 2111	US History to the Post Civil War Period	3 hrs
HIST 2112	US History from Post Civil War – pres	3 hrs

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

One course from Major requirements 3 hrs

**\*A grade of “C” or better is required\*****Sociology Minor 15 hrs***Choose one (1) of the following two (2) courses:* 3 hrs

SOCI 1101	Introduction to Sociology	
SOCI 1160	Social Problems	

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

SOCI 3201	Classical Theory	
SOCI 4312	Contemporary Theory	

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

One 4000 level course 3 hrs

**\*A grade of “C” or better is required**



# Department of Social Work

## Mission Statement

The mission of the Bachelor of Social Work Program at Savannah State University is to prepare students for generalist practice. The program promotes student focused learning, affirms the African American legacy and fosters a unique multicultural environment through its curriculum and advocacy roles in community change. Graduates of the program 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

The BSW program at Savannah State University is professional program, which requires a formal admissions process. Therefore, students considering admission into the BSW program must submit an application packet. Prior to seeking admission into the BSW program, students must have completed or be currently enrolled in the gateway courses SOWK 3505. Additionally, the student must have completed 60 hours of Core Curriculum courses. Applicants must have a minimum overall GPA 2.3. Students must have earned a grade of C or higher in SOWK 3305 (Social Work Practice). All students considered for admission are expected to demonstrate professional behavior and scholastic performance. Items to be submitted for review:

1. Completion of the BSW Application Packet (Must be typed)
  2. Unofficial transcript
  3. Letters of reference:
    - One (1) Letter of Reference from an SSU Professor or Instructor from a previous college
    - One (1) Professional Letter of Reference (Employer, Supervisor,)
- All letters of reference should be addressed to the BSW Screening Committee  
\*note: a personal interview may be requested by the BSW Screening Committee

Applications must be submitted no later than April 24, 2020 for Fall admission

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

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*).

## Transfer Students

The BSW Program at Savannah State University is a professional program dedicated to preparing beginning level generalist social work professionals for social work practice in any human service setting and with any population level in the society in which they live. BSW students attain a beginning level of generalist practice proficiency, which enables them, with instruction and experiential learning, to provide direct service to clients, including the organization and provisions of resources on behalf of clients. Students may declare social work as their major as freshmen or when transferring from another college. Though freshmen and sophomores may declare social work as their major, the social work program actually begins in the junior year. A formal application process for admission to the major is required and must be processed by the BSW admissions committee. Transfer students must first apply for admission to the University.

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 42 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.

- 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

**Program of Study –  
Bachelor of Social Work**

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

**BIOL 1104/1104L Required in Core Area D**

**CLAS 1103 Freshmen Year Experience 2 hrs**

**\*Area F 18 hrs**

SOWK 1000	Self Awareness and Prof Dev	3 hrs
SOWK 1001	Interview & Writing	3 hrs
SOCI/SOWK 2101	Social Statistic	3 hrs
SOWK 2200	Human Needs and Human Services	3 hrs

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

6 hrs

Foreign Language I 3 hrs

Foreign Language II 3 hrs

**\*Hours required for the Major 45 hrs**

SOWK 2205	History of Social Welfare	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 4100	Research Methods I	3 hrs
SOWK 4101	Research Methods II	3 hrs
SOWK 4410	Implement of Social Welfare Pol	3 hrs
SOWK 4701	Field Experience I	3 hrs
SOWK 4702	Field Experience II	3 hrs
SOWK 4901	Senior Seminar I	3 hrs
SOWK 4902	Senior Seminar II	3 hrs
Social Work Electives		6 hrs

*Select two (2) from the following electives:*

SOWK 4106	Social Work Families Children	3 hrs
SOWK 4201	Gerontological Social Work	3 hrs
SOWK 4301	Substance Abuse	3 hrs
SOWK 4510	Crisis Intervention	3 hrs
SOWK 4610	International Issues in Social Work	3 hrs
SOWK 5501	Law Race and Poverty	3 hrs
SOWK 6000	Special Topics	3 hrs
SOWK 6100	Independent Study	3 hrs

**\*General Electives 9 hrs**

Select two (2) 3 hour courses from any department

**TOTAL 122 hours**

**\*A grade of “C” or better is required**

## **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 120 hours to graduate, with 36 semester hours in major courses, with no requirement for a subject area minor. The program also offers a minor and a 15-hour certificate in HSEM.

**Program of Study –  
Bachelor of Arts in Homeland Security and Emergency Management**

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

**CLAS 1103 Freshmen Year Experience 2 hrs**

**Area F 18 hrs**

HSEM 2101 Introduction to HSEM\* 3 hrs

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

ANTH 1101 Introduction to Anthropology 3 hrs

GEOG 1101 Introduction to Human Geography 3 hrs

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

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

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

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

HSEM 2201 Research Methods & Statistics 3 hrs

SOCI 2101 Social Statistics 3 hrs

*Foreign Language Sequence 6 hrs*

Foreign Language I 3 hrs

Foreign Language II 3 hrs

**Hours required for the Major 60 hrs**

***\*Major Requirements 36 hrs***

HSEM 3110 Politics & Policy of HSEM 3 hrs

HSEM 3120 Law & Ethics in HSEM 3 hrs

HSEM 3130 Emergency Planning, Mitigation &  
Incident Management 3 hrs

HSEM 3140 Social Diversity in HSEM 3 hrs

HSEM 3250 Risk & Vulnerability Assessment 3 hrs

HSEM 3260 Terrorism in the Modern World 3 hrs

HSEM 3822 Tools for Decision Making in HSEM 3 hrs

HSEM 3840 Effective HSEM Communication &  
Leadership 3 hrs

HSEM 3850 Border & Port Security 3 hrs

HSEM 3860 Disaster Resp. & Recovery 3 hrs

HSEM 3901 Internship 3 hrs

HSEM 4901 Senior Capstone Seminar 3 hrs

***\*Major Electives 9 hrs***

3 HSEM 3000 level or 4000 level courses 9 hrs

***General Electives or Minor 13 hrs***

Elective courses or minor

**TOTAL 120 hours**

**\*A grade of “C” or better is require**

**Minor in Homeland Security & Emergency**

HSEM 3130 Emergency Planning, Mitigation &  
Incident Management 3 hrs

HSEM 3250 Risk Vulnerability Assessment 3 hrs

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

## Political Science

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

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

Program of Study –

### **Bachelor of Arts in Political Science**

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

**CLAS 1103 Freshmen Year Experience 2 hrs**

**Area F 18 hrs**

POLS 2101 Intro to Political Science 3 hrs

PSYC 1101 Intro to General Psychology or

SOCI 1101 Intro to Sociology 3 hrs

GEOG 1101 Human Geography or

ANTH 1101 Anthropology 3 hrs

SOCI 2101 Social Statistics 3 hrs

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

Foreign Language I 3 hrs

Foreign Language II 3 hrs

**\*Hours required for the Major 12 hrs**

POLS 3301 Research Methods 3 hrs

POLS 3601 African American Politics 3 hrs

POLS 4201 Political Theory 3 hrs

POLS 4901 Senior Seminar 3 hrs

**\*Major Electives 18 hrs**

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

**\*Major Concentration 6 hrs**

**General Electives 9 hrs**

**Minor (Optional) 15 hrs**

9 hours must be 3000 or 4000 level courses

**TOTAL 122 hours**

**\*A grade of “C” or better is required**

**Minor in Political Science 15 hrs**

POLS 4901 3 hrs

Upper division POLS elective 6 hrs

2 additional POLS courses 6 hrs

## Minor in Urban Studies and Planning

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

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

# College of Sciences and Technology

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

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

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

## **Program of Study - Associate of Science, Core Curriculum**

### **Area A – Essential Skills 9 hrs**

#### **\*AREA A1: Communication Skills**

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

#### **\*AREA A2: Quantitative Skills**

*Select one of the following:*

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

### **Area B – Institutional Options 5 hrs**

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

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

*Select one of the following:*

ENGL 2111	World Literature I	3 hrs
ENGL 2112	World Literature II	3 hrs
ENGL 2121	British Literature I	3 hrs
ENGL 2122	British Literature II	3 hrs
ENGL 2131	American Literature I	3 hrs
ENGL 2132	American Literature II	3 hrs
ENGL 2140	African American Literature	3 hrs
PHIL 2010	Introduction to Philosophy	3 hrs
PHIL 2030	Introduction to Ethics	3 hrs

*Select one of the following:*

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

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

#### **Option II – Science Majors**

*Select one of the following:*

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

CSCI 1130	Computer Applications	3 hrs
CSCI 1301	Computer Science I	3 hrs
ENVS 1140	Environmental Issues	3 hrs

*Select two of the following lab sciences:*

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

### **Area E – Social Science 12 hrs**

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

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

*Select two of the following:*

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

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

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

**TOTAL 60 hours**

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

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



The College offers **Bachelor of Science** degree programs with majors in Biology, Chemistry, Environmental Science, Forensic Science, Marine Sciences, Mathematics, Civil Engineering Technology (ABET Accredited), Computer Science Technology, Electronics Engineering Technology (ABET Accredited), and Mechanical Engineering Technology. 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 mentors. Students should discuss specific options with their faculty mentors.

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 Department Exit Exam is required of all students applying for graduation with a degree from the program. The Department 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 Department 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 mentor.

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

**Program of Study –  
Bachelor of Science in Biology**

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

*MATH 1113 required in Core Area A*

*Biology majors must take the following courses in Area D:*

*\*CHEM 1211, 1211L, 1212, and 1212L,  
and CISM/CSCI 1130*

**Area F 17 hrs**

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

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

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

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

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

**\*Major Requirements 44-45 hrs**

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

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

**2511L Organic Chemistry II lab or**

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

**ENVS 3121Env. Ethics; MATH 1401 Statistics;**

**CISM 3232 Web Application Development; CISM 2130**

**Business Information Systems or a suitable substitute**

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

**Upper Level Electives: 15-16 hrs**

*3000 or higher level science or math courses*

**TOTAL 120 hours**

**\*A grade of “C” or better is required**

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

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

BIOL 1103	General Biology	3 hours
BIOL 1103L	General Biology Lab	1 hour
BIOL 1104	Human Biology	3 hours
BIOL 1104L	Human Biology Lab	1 hours

## Department of Chemistry and Forensic Science

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

### *Chemistry Major*

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

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

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

### *Bachelor of Science in Chemistry*

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

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

**Program of Study –****Bachelor of Science in Chemistry****Areas A, B, C, D, E, and additional requirements 43 hrs***MATH 1113 Required in Core Area A***Area F 17 hrs**

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

**\*Major Requirements 39 hrs**

CHEM 2601K	Chemistry Research Methods	2 hrs
CHEM 1212L	Principles of Chemistry II Lab	1 hr
CHEM 2501	Organic Chemistry I	3 hrs
CHEM 2501L	Organic Chemistry I Lab	1 hr
CHEM 2511	Organic Chemistry II	3 hrs
CHEM 2511L	Organic Chemistry II Lab	1 hr
CHEM 3101K	Analytic Chemistry	4 hrs
CHEM 3111K	Instrumental Analysis	4 hrs
CHEM 3201K	Inorganic Chemistry	4 hrs
CHEM 3401K	Physical Chemistry I	4 hrs
CHEM 3411K	Physical Chemistry II	4 hrs
CHEM 3522L	Advanced Synthesis	2 hrs
CHEM 3602K	Research & Internship	2 hrs
CHEM 3801	Biochemistry	3 hrs
CHEM 4901	Chemical Seminar	1 hr

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

CHEM 4811	Bioanalytical Chemistry	3 hrs
CHEM 4211	Advanced Inorganic	3 hrs
CHEM 4411	Advanced Physical Chemistry	3 hrs
CHEM 4531	Advanced Organic Chemistry	3 hrs
CHEM 4532	Medicinal Chemistry	3 hrs
CHEM 4601	Polymer Chemistry	3 hrs
CHEM 4902	Special Topics in Chemistry	3 hrs
Any 4000 level Forensic Science Courses		3 hrs

**Additional requirements 8-11 hrs****BS Chemistry ACS Certified 11 hrs**

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

**BS Chemistry 8 Hrs**

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

**TOTAL 122 hours****\*A grade of “C” or better is required****Program of Study –****Bachelor of Science in Chemistry - Biochemistry track***(currently not accepting students)***Areas A, B, C, D, E, and additional requirements 43 hrs***MATH 1113 Required in Core Area A***Area F 17 hrs**

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

**\*Major Requirements 36 hrs**

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

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

CHEM 4811	Bioanalytical Chemistry	3 hrs
CHEM 4211	Advanced Inorganic	3 hrs
CHEM 4411	Advanced Physical Chemistry	3 hrs
CHEM 4531	Advanced Organic Chemistry	3 hrs
CHEM 4532	Medicinal Chemistry	3 hrs
CHEM 4601	Polymer Chemistry	3 hrs
BIOL 3321L	Microbiology Lab	1 hr
Any 4000 level Forensic Science courses		3 hrs

**Additional requirements 8-11 hrs***Choose one (1) of the following two (2) courses:*

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

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

**TOTAL 122 hours****\*A grade of “C” or better is required**

## ***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**

\*MATH 1113 Required in Core Area A

<b>Area F</b>		<b>18 hrs</b>
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
<b>*Major Requirements</b>		<b>19 hrs</b>
FSCI 3301	Principles of Forensic Science	3 hrs
FSCI 3301L	Principles of Forensic Science Lab	1 hr
FSCI 3401	Research or Internship	2 hrs
FSCI 4101	Personal Id & DNA Analysis	3 hrs
FSCI 4101L	Personal Id & DNA Analysis Lab	1 hr
FSCI 4201	Drug Abuse & Drug Analysis	3 hrs
FSCI 4201L	Drug Abuse & Drug Analysis Lab	1 hr
FSCI 4401	Crime Scene I	2 hrs
FSCI 4402	Crime Scene II	2 hrs
FSCI 4901	Forensic Science Seminar	1 hr
<b>*Forensic Chemistry Concentration</b>		<b>33 hrs</b>
BIOL 1107	Principles of Biology I	3 hrs
BIOL 1107L	Principles of Biology I Lab	1 hr
BIOL 1108	Principles of Biology II	3 hrs
BIOL 1108L	Principles of Biology II Lab	1 hr
MATH 1401	Elementary Statistics	3 hrs
CHEM 2501	Organic Chemistry I	3 hrs
CHEM 2501L	Organic Chemistry I Lab	1 hr
CHEM 2511	Organic Chemistry II	3 hrs
CHEM 2511L	Organic Chemistry II Lab	1 hr
CHEM2601K	Chemical Research Methods/Ethics	2 hrs
CHEM 3101K	Analytical Chemistry	4 hrs
CHEM 3111K	Instrumental Analysis	4 hrs
CHEM 3401K	Physical Chemistry I	4 hrs

**\*Major Electives**

**10 hrs**

Choose ten (10) credit hours from the following courses

ARTS 3201	Photography I	3 hrs
ARTS 3212	Forensic Photography	3 hrs
BIOL 3201	Cell Biology	3 hrs
BIOL 3201L	Cell Biology Lab	1 hr
BIOL 3301	Genetics	3 hrs
BIOL 3301L	Genetics Lab	1 hr
BIOL 3321	Microbiology	3 hrs
BIOL 3321L	Microbiology Lab	1 hr
BIOL 4201	Toxicology	3 hrs
BIOL 4301	Biotechnology	3 hrs
BIOL 4301L	Biotechnology Lab	1 hr
BIOL 4411	Genetic Engineering Technology I	3 hrs
BIOL 4411L	Genetic Engineering Tech I Lab	1 hr
BIOL 4412	Genetic Engineering Technology II	3 hrs
BIOL 4412L	Genetic Engineering Tech II Lab	1 hr
CHEM3411K	Physical Chemistry II	4 hrs
CHEM 3522	Advanced Laboratory Synthesis	2 hrs
CHEM 3801	Biochemistry	3 hrs
CHEM 4211	Advanced Inorganic Chemistry	3 hrs
CHEM 4531	Advanced Organic Chemistry	3 hrs
FSCI 3001	Computer Forensics	3 hrs
FSCI 3201	Forensic Evidence in Law Enforce	3 hrs
FSCI 4501	Forensic Evidence – Case Studies	3 hrs

**TOTAL 123 hours**

**\*A grade of “C” or better is required**

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

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

*MATH 1113 Required in Core Area A*

**Area F 18 hrs**

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

**\*Major Requirements 19 hrs**

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

**\*Forensic Biology Concentration 31 hrs**

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

**\*Major Electives 12 hrs**

*Choose ten (12) credit hours from the following courses*

ARTS 3201	Photography I	3 hrs
ARTS 3212	Forensic Photography	3 hrs
BIOL 4201	Toxicology	3 hrs
BIOL 4301	Biotechnology	3 hrs
BIOL 4301L	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 123 hour**

**\*A grade of “C” or better is require**

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.

**Program of Study –**

**Certificate in Virtual Forensic Science**

**Requirements** **18 hrs**

*\*Choose one (3 credits)*

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

*\*Choose one (3 credits)*

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

*\*Required (12 credits)*

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

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



## Department of Marine and Environmental Science

### *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 offers courses leading to a minor 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**

*MATH 1113 Required in Core Area A*

*Students must take the following courses in Core Area D:*

*CHEM 1211	Prin of Chemistry I	3 hrs
*CHEM 1211L	Prin of Chemistry I Lab	1 hr
*CHEM 1212	Prin of Chemistry II	3 hrs
*CHEM 1212L	Prin of Chemistry II Lab	1 hr
*BIOL 1107	Prin of Biology I	3 hrs

#### **Area F 17 hrs**

COST 1103	First Year Experience	2 hrs
*BIOL 1107L	Principles of Biology I Lab	1 hr
*BIOL 1108	Principles of Biology II	3 hrs
*PHYS 1111K/2211K		
Intro to Physics I/Principles of Physics I		4 hrs
*MATH 2101	Calculus I	4 hrs
*ENVS 2401	Intro to Environmental Science	3 hrs

#### **Major Requirements 40 hrs**

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

#### **Major Electives**

**10 hrs\***

*Select 10 hours from the following courses:*

*CHEM 3101	Analytical Chemistry	3 hrs
*CHEM 3101L	Analytical Chemistry Lab	1 hr
*CHEM 3111K	Instrumental Analysis	4 hrs
*ENVS 3301	Environmental Radiation	3 hrs
*ENVS 3301L	Environmental Radiation Lab	1 hr
*MSCI 3702	Intro Geographic Info. Systems	3 hrs
*ENVS 4401	Environmental Impact Assessment	3 hrs
*MSCI 4601	Marine Conservation Biology	3 hrs
*ENVS 4910	Special Topics	3 hrs
*Open Electives		10 hrs

*Selected from College of Science and Technology courses*

#### **TOTAL 120 hours**

**\*A grade of “C” or better is required**

## Marine Sciences Major

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

### Bachelor of Science in Marine Science

The following Learning Outcomes are what we expect a student to know and to be able to do as a result of graduating with a major in marine sciences from SSU. Graduates will:

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

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

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

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

Program of Study –

#### Bachelor of Science in Marine Science

##### Areas A, B, C, D, E **43 hrs**

##### *MATH 1113 Required in Core Area A*

Students must take the following courses in Core Area D:

*CHEM 1211	Prin of Chemistry I	3 hrs
*CHEM 1211L	Prin of Chemistry I Lab	1 hr
*CHEM 1212	Prin of Chemistry II	3 hrs
*CHEM 1212L	Prin of Chemistry II Lab	1 hr
*BIOL 1107	Prin of Biology I	3 hr

##### Area F **17 hrs**

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

##### \*Major Requirements **28 hrs**

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

##### \*Electives - 32 Hrs.

A minimum of 20 hrs must be > 3000 level

##### \*Marines Sciences Electives **6 hrs**

*Choose two (2) of the following:*

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

##### \*Marine Sciences Tools Electives **6 hrs**

*Choose two (2) of the following:*

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

##### \*Math/Science Electives **3 hrs**

*Choose one (1) of the following:*

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

##### Other COST Electives **17 hrs**

*Two should be MSCI classes.*

*Extra hours in above elective areas count here.*

##### **TOTAL 120 hours**

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

## ***Department of Engineering Technology***

The Department of Engineering Technology offers courses leading to the degree of Bachelor of Science, with majors in Civil Engineering Technology, Computer Science Technology, Electronics Engineering Technology, and Mechanical Engineering Technology. The Civil Engineering Technology program is accredited by the Engineering Technology Accreditation Commission (ETAC), of the Accreditation Board for Engineering and Technology (ABET). For more information, visit <http://www.abet.org>. The Electronics Engineering Technology program is accredited by the Engineering Technology Commission (ETAC), of the Accreditation Board for Engineering and Technology. For more information, visit <http://www.abet.org>.

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

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

### **Registration for Professional Engineer**

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

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

Engineering Technology graduates from ETAC of ABET accredited programs are qualified for professional licensing by the National Institute for Certification in Engineering Technologies (NICET). Students interested in this certification may contact the department Chair for more information.

### **Engineering Technical Organizations**

Students are encouraged to join appropriate engineering societies to stimulate their interest in professional activities, to promote their pursuit for life-long learning, and to expose them to professional conduct and ethics. The department has, at present, the following student organizations:

- Institute of Electrical and Electronic Engineers (IEEE)
- Engineers Without Borders (EWB)
- American Society of Civil Engineers (ASCE)
- National Society of Black Engineers (NBSE)

## **Baccalaureate Degree Programs**

### **Special Requirements for Majors**

Students enrolled in the Department of Engineering Technology who earn less than a “C” in any English, Mathematics, sciences or major course required in their curriculum must repeat the course during the next semester that it is offered. Major courses are those courses offered by the Department of Engineering Technology and Mathematics.

### **Major Comprehensive Examination**

To satisfy the institutional requirements for a comprehensive examination, all students in Engineering Technology are required to take an exit examination administered by the department.

### **Civil Engineering Technology Major**

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

The curriculum in Civil Engineering Technology is designed to provide ample instruction in those areas of knowledge required for successful performance in the following capacities as well as in other construction-related positions.

*Architectural and Structural Draftsman and Designer* - plans, designs, and supervises construction of frame, steel, and concrete structures; makes architectural inspections and appraisals for architects and builders.

*Highway Engineering Technologist* - collects and tests soil samples, concrete and other materials to ascertain their physical characteristics for use in highway construction; establishes the location and measurements of points, elevations, lines, areas and contours of land needed for highway construction and prepares hard copy, draft or computer generated drawings of land.

*Estimator* - determines quantities and costs of materials and labor required to erect structures.

*Materials Tester* - determines mechanical properties of materials used in the erection of structures and highways.

*Surveyor* - supervises, directs, and is responsible for the accuracy of the work of an engineering survey party engaged in determining the location and measurements of points, elevations, lines, areas, and contours on the earth's surface for purposes of securing data for building and highway construction, map-making, land valuation, mining, or other purposes.

*Environmental Technologist* - Plans, designs, and monitors water, wastewater, and other environmental pollution control systems.

**Program of Study –**

**Bachelor of Science in Civil Engineering Technology**

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

*MATH 1113 Required in Core Area A*

*CSCI 1130 or CSCI 1301 required in Core Area D non-lab*

*PHYS 1111K/1112K or 2211K/2212K required in Core Area D lab science*

**Area F 17 hrs**

COST 1103 First Year Experience 2 hrs

\*CHEM 1211 Principles of Chemistry I 3 hrs

\*CHEM 1211L Principles of Chemistry I lab 1 hr

\*MATH 2101 Calculus I 4 hrs

\*MATH 2111 Calculus II 4 hrs

\*ENGT 2101K Computer Graphics 3 hrs

**\*Major Requirements 63 hrs**

CIVT 3101K Surveying 4 hrs

ELET 3101K Electrical Circuits I 4 hrs

ENGT 3101 Statics

Or ENGR 2201 Statics for Engineering 3 hrs

CIVT 3201K Civil Engineering Materials 3 hrs

CIVT 3211 Construction Estimating &

Management 3 hrs

CIVT 3301K Fluid Mechanics 4 hrs

CIVT 3311 Engineering Hydrology 3 hrs

CIVT 3401K Highway & Transportation

Engineering 4 hrs

ENGT 3501 Dynamics 2 hrs

CIVT 3601K Soil Mechanics & Foundation

Design 4 hrs

ENGT 3601 Strength of Materials 3 hrs

CIVT 3701K Structural Analysis 3 hrs

ENGT 3701 Engineering Economy 3 hrs

CIVT 4100K Structure Design 4 hrs

CIVT 4201K Environmental Engineering I 4 hrs

CIVT 4211 Environmental Engineering II 3 hrs

ENGT 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 4901 Engineering Tech Internship 1-3 hrs

ENGT 4903 Special Topics 1-4 hrs

\*Any other elective course approved by a department advisor.

**TOTAL 123 hours**

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

## Computer Science Technology Major

The curriculum in computer science technology is designed for those students who are interested in careers in computer science. This program is flexible so that students may orient the major emphasis toward software aspect of computer science or to be the hardware realm of computer science. This program promotes an extensive interdisciplinary approach to provide students a sound educational background, one that will make the students quite marketable and thus be prepared for gainful employment in following areas:

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

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

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

The program of study sheet for the Computer Science Technology can be accessed using: [Computer Science Technology Advising Curriculum Grid](#)

### Program of Study –

#### Bachelor of Science in Computer Science Technology

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

MATH 1113 Required in Core Area A

#### COST 1103 First Year Experience 2 hrs

#### \*Area F 17 hrs

CSCI 1301	Computer Science I	3 hrs
CSCI 1302	Computer Science II	4 hrs
MATH 2101	Calculus I	4 hrs
MATH 2301	Discrete Mathematics	3 hrs
CSCI 2231K	Introduction to Unix	3 hrs

#### \*Major Requirements 62 hrs

#### CSCI Core Courses 15 hrs

CSCI 3000	Data Structures	3 hrs
CSCI 3385K	Computer Network & Design	3 hrs
CSCI 4110	Operating Systems	3 hrs
CSCI 4210	Database & File Processing	3 hrs
CSCI 4310	Compiler Construction	3 hrs

#### Engineering Technology Core Courses 15 hrs

ENGT 2101K	Computer Graphics	3 hrs
ELET 3101K	Electrical Circuit I	4 hrs
ELET 3301K	Digital Systems I	4 hrs
ELET 3411K	Microcontrollers	4 hrs

#### Math Core Courses 7 hrs

MATH 2111	Calculus II	4 hrs
Mathematics Elective (Upper level 3000-4000 course)		3 hrs

#### CSCI Technology/Engineering Technology Option 25 hrs

#### Select from the following 10 hrs

CSCI 1610	Programming in Java	4 hrs
CSCI 2215	Perl Scripting	4 hrs
CSCI 3102	Visual Basic	3 hrs
CSCI 3210	Advanced Java	3 hrs
CSCI 3414	Software Engineering	3 hrs
CSCI 3800	Computer Architecture	3 hrs
<i>Select from the following</i>		3 hrs
CSCI 4410	Web Based Programming	3 hrs
CSCI 4510	Artificial Intelligence	3 hrs

Or any approved CSCI course by the advisor

#### Select from the following 8 hrs

ELET 3111K	Electrical Circuit II	4 hrs
ELET 3201K	Electronics I	4 hrs
ELET 3211K	Electronics II	4 hrs
ELET 3311K	Digital Systems II	4 hrs
ELET 3401K	Microcomputer Interfacing	4 hrs
ELET 3501K	Control Systems	4 hrs
ELET 3511K	Electrical Machinery	4 hrs

#### Select from the following 4 hrs

ELET 4101K	Programmable Logic Controller	4 hrs
ELET 4401K	Industrial Electronics	4 hrs
ELET 4611K	Fiber Optics	4 hrs
ELET 4621K	Digital Communication	4 hrs
ELET 3701K	Data Acquisition Systems	4 hrs
ENGT 3101	Statics OR	
ENGR 2201	Statics for Engineers	3 hrs
ENGT 3301	Quality Control	3 hrs
ENGT 3701	Engineering Economy	3 hrs

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

#### TOTAL 124 hours

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

## ***Electronics Engineering Technology Major***

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

The electronics engineering technology curriculum provides instruction in the fundamentals of modern electronics theory, with emphasis on the application of theoretical principles to actual electronic devices, circuits, systems, design and fabrication. Graduates of the electronics engineering technology program are prepared to function effectively in several capabilities, including:

**Research and Development Technologist** - engages in the development, building and testing of new equipment in the areas of digital electronics, communication electronics and microelectronics.

**Process Control Technologist** - supervises the operation of automatic control equipment for industrial processes.

**Field Engineering Specialist** - installs, tests, and maintains equipment such as data processing machines and other electronic systems.

**High Frequency Technologist** - maintains and/or operates radar, sonar, and other warning detection and navigation devices.

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

### **Program of Study –**

#### **Bachelor of Science in Electronics Engineering Technology**

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

*MATH 1113 Required in Core Area A*

*CSCI 1130 or CSCI 1301 required in Core Area D non-lab*

*PHYS 1111K/1112K or 2211K/2212K required in Core Area D lab science*

#### **Area F 17 hrs**

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

#### **\*Major Requirements 63 hrs**

ELET Core Courses		48 hrs
ELET 3101K	Electrical Circuit I	4 hrs
ELET 3111K	Electrical Circuit II	4 hrs
ELET 3201K	Electronics I	4 hrs
ELET 3301K	Digital Systems I	4 hrs
CSCI 1301	Computer Science I or	
CSCI 1371	Computing for Eng & Scientists	3 hrs
ENGT 3101	Statics or	
ENGR 2201	Statics for Engineers	3 hrs
ENGT 3701	Engineering Economy	3 hrs
ELET 3311K	Digital Systems II	4 hrs
ELET 3211K	Electronics II	4 hrs
ELET 3411K	Microcontrollers	4 hrs
ELET 4101K	Programmable Logic Controllers	4 hrs
ELET 3511K	Electrical Machinery	4 hrs
ENGT 4401	Senior Design/Capstone	3 hrs
ELET/CSCI Option		15 hrs
<i>Select from the following</i>		<i>12 hrs</i>
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
<i>Select from the following</i>		<i>3 hrs</i>
CSCI 3385K	Computer Network and Design	3 hrs
CSCI 3000	Data Structures	3 hrs

**TOTAL 123 hours \*A grade of "C" or better is required**

## 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

*MATH 1113 Required in Core Area A*

*CSCI 1130 or CSCI 1301 required in Core Area D non-lab*

*PHYS 1111K/1112K or 2211K/2212K required in Core Area D lab science*

<u>Area F</u>		<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
<b>*Major Requirements</b>		<b>62 hrs</b>
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 Design/Capstone	3 hrs
<i>Major Electives (choose one (1) from the following</i>		<i>3 hrs</i>
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**

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

## ***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**

### **Regents' Engineering Pathway Program (REPP)**

Savannah State University (SSU) participates in the Regents' Engineering Pathway (REP). The REP allows the students to complete thirty or more credit hours in specific courses at Savannah State University and then complete the engineering degree program at the Georgia Institute of Technology, Georgia Southern University, Kennesaw State University, Mercer University, or the University of Georgia.

Following are the REP requirements:

- Meet all the criteria for admission as transfer students to any of the participating institutions.
- Complete all required math and science, as well as some engineering courses at SSU (Listed in Appendix A of the REP Agreement on the USG website)

- For more information, review REP information and the REP agreement (PDF) on the USG website

[University System of Georgia \(USG\) Regents' Engineering Pathway \(REP\)](#)

Admission requirements, including GPA, vary at the partner institutions. Please visit the institution's website to review the admission criteria.

## **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	50% per American Council of Edu(ACE)
Pre-calculus	CLEP - Trigonometry	50% per American Council of Edu(ACE)
Calculus I	Advanced Placement (AP) - Calculus AB	3 or above
Calculus II	Advanced Placement (AP) - Calculus BC	3 or above

#### Important

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

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

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

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

Criteria of requirement to get into the general Math Classes:

Course	Prerequisite
MATH 1001: Quantitative Reasoning	Refer Learning Support Section-Placement: Mathematics
MATH 1111: College Algebra	Refer Learning Support Section-Placement: Mathematics
Math 1401:Elementary Statistics	Refer Learning Support Section-Placement: Mathematics
MATH 1113: Precalculus	Completion of MATH 1111 (C or better) or A minimum score of 500 on the SAT-Math / 19 on ACT / 50 on CLEP – College Algebra or Completion of other higher math than MATH 1111 with C or better
MATH 2101: Calculus I	Completion of MATH 1113 (C or better) or A minimum score of 50 on CLEP - Precalculus or A minimum score of 550 on the SAT-Math / 23 on the ACT together with completion of (high school) AP Calculus AB with 3 or above

Criteria of requirement to get into the Honor Math Classes

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

**Program of Study – Bachelor of Science in Mathematics****Areas A, B, C, D, E, and additional requirements 43 hrs***MATH 1113 Required in Core Area A***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 the following:*

*CSCI 1301	Computer Science I	3 hrs
*CSCI 1610	Programming in Java	4 hrs

**\*Major Requirements 62 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 courses 18hrs*

MATH 3000	Intro. To Bio Statistic	3 hrs
MATH 3115/		
DATA 3115	Mathematical Data Analytics	3 hrs
MATH 3311	Math Finance and Interest Theory	3 hrs
MATH 3511	Numerical Analysis II	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 hours****\*A grade of “C” or better is required**

**Minors in the College of Science and Technology**

**Minors cannot be earned in the same discipline as major.**

**\*Biology Minor 17 hrs**

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

**\*Chemistry Minor 16-18 hrs**

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

**\*Environmental Science Minor 15 hrs**

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

*Choose five (5) hours from the following:*

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

**\*Forensic Science Minor 15 hrs**

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

**\*Marine Science Minor 15 hrs**

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

**\*Civil Engineering Technology Minor 17 hrs**

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

Note: Civil Engineering Technology minor is not available to students majoring in Civil Engineering Technology.

**\*Computer Science Technology Minor 18-19 hrs**

*Select nine (9) or ten (10) hours from the following five (5) courses:*

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

**\*General Technology Minor 17 hrs**

ENGT 2101K	Computer Graphics	3 hrs
ENGT 2201K	Technical Writing	2 hrs
ENGT 3701	Engineering Economy	3 hrs
ENGT 3101	Statics	3 hrs
ELET 3101K	Electrical Circuits I	4 hrs
ENGT 3501	Dynamics	2 hrs

**\*Electronics Engineering Technology Minor 19 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

Note: Electronics Engineering Technology minor is not available to Electronics Engineering and Computer Science Technology majors.

**\*Mathematics Minor 16-18 hrs**

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

# Students who will take MATH 2101 and/or 2111 in major program will take MATH 2111 and/or 2121 and nine to twelve hours of upper division courses to have a minimum of sixteen semester hours.

**\*Applied Mathematics Minor 15-18 hrs**

*At least six credit hours from the following Courses:*

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

*At least nine credit hours from the following Courses:*

MATH 3000	Intro. to Biostatistics	3 hrs
MATH 3101	Linear Algebra	3 hrs
MATH 3201	Probability & Statistics I	3 hrs
MATH 3301	Differential Equations	4 hrs
MATH 3501	Numerical Analysis	3 hrs
MATH 4221	Complex Analysis	3 hrs
MATH 4301	Survey of Partial Differential Equations	3 hrs
MATH 4311	Probability and Statistics II	3 hrs

\* 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 2102	Leadership and Management	3 hrs
NSCI 4050	Naval Drill*	0 Hrs
NSCI 4104	Leadership and Ethics	3 hrs

### Scholarship and College Program- Navy Option

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

### Scholarship and College Program- Marine Option

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

### Naval Science Minor - Navy Option 15 hrs

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

### Naval Science Minor - Marine Option 15 hrs

NSCI 1002	Seapower and Maritime Affairs	3 hrs
NSCI 2102	Leadership and Management	3 hrs
NSCI 3101	Evolution of Warfare	3 hrs
NSCI 4103	Fundamentals of Maneuver Warfare	3 hrs
NSCI 4104	Leadership and Ethics	3 hrs

### Scholarship Programs

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

### College Program Midshipmen (non-scholarship)

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

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

### Navy Option Scholarship Requirements

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

### Marine Corps Option Scholarship Requirements

All Marine Corps option students shall take, during the junior or senior year, one course in military history and one in political science (6 hours total) from a list approved by the Professor of Naval Science.

### Other NROTC-Specific Academic Requirements

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

### NROTC Uniforms, Books and Instructional Materials

NROTC uniforms, books and special instructional materials will be issued at no charge to naval scholarship and college program students. Uniforms must be returned upon exit from the NROTC program. Books and other instructional material must be returned at the completion of each academic term.

### Scholarship Benefits

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

### Financial Assistance

All Midshipmen in the NROTC program who qualify for the college program advanced standing or the scholarship program are paid a monthly tax-free stipend. The monthly amount is \$250 for freshmen, \$300 for sophomores, and \$350 for juniors and \$400 for seniors. Students who qualify for Advance Standing will receive a monthly stipend of \$350 for juniors and \$400 for seniors. Provisional Advance Standing students will receive a monthly stipend of \$250.

### Summer Training Cruises

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

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

## Department of Military Science

The Reserve Officer Training Corps program is a four-year course of study leading to a commission in the United States Army. In addition to a major, students must satisfy requirements in military history and complete the appropriate military science courses. Students interested in this program should first consult with the Army ROTC Department.

Basic military science courses (MILS 1101, 1102, 2201 and 2202) involve four (4) semesters during the freshman and sophomore years. Students learn leadership and management and acquire essential background knowledge of customs and traditions, weapons, map reading, tactics and survival. Equally important, these courses have the objective of developing the students' leadership, self-discipline, integrity and sense of responsibility. Those students who successfully complete the Basic Course, meet the Army physical standards, and demonstrate Officer potential are considered for contracting and enrolling in the Advanced Course (MILS 3301, 3302, 4401 and 4402). All students must be contracted prior to enrolling in the Advanced Course.

### Military Science

#### *Basic Courses*

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

#### *Advanced Courses*

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

### Placement

Veterans entering the military science program will receive appropriate placement credit for their active military service. Students who have completed military science courses in military preparatory schools or junior colleges may be given appropriate credit. Students with at least three years of high school ROTC may also be granted placement credit. Placement credit or four (4) semesters of basic military science, or equivalent thereof, is a prerequisite to admission into the Advanced Course.

### Alternate Programs for Admittance

#### Basic Camp

Students who have two years of course work remaining, but who have not completed basic military science are eligible to be considered for selection into Basic Camp. Basic Camp is a 31-day training event designed to introduce Cadets to the Army. The objective is to develop Cadet leadership skills and train them on individual and junior leader tasks to develop and reinforce Warrior Ethos and our Army Values. Basic Camp provides the critical thinking skills necessary to succeed in ROTC, and, ultimately, the Army. Basic Camp Cadets graduate the course prepared to lead at the team (3-4 Cadets) and squad (9-13 Cadets) level. Basic Camp's primary target audience is the Lateral Entry Cadet and the freshman Cadet. Lateral Entry Cadets typically decide to join ROTC in their sophomore year of college, thus require Basic Camp to learn what normal-progression Cadets have learned in their first two years of military science classes, during their freshman and sophomore years of Army ROTC. As an ancillary target, Basic Camp allows second-year (Military Science II or MS II) Cadets to gain squad leader experience, which provides opportunities for some MS III (rising senior) Cadets to fulfill roles as platoon-level leaders. Basic Camp consists of eight Cadet Regiments, nearly 3,000 Cadets. Cadets are taught how to conduct troop leading procedures (TLPs) to plan and execute tactical missions at the squad level in a platoon construct/setting. As Cadets gain experience and confidence through the training, they apply lessons learned from the After Action Review (AAR) process.

#### Master's Degree

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

#### Financial Assistance

All Contracted Cadets are paid a subsistence allowance of \$420 while enrolled in Military Science Courses. Amounts vary by academic year.

### Scholarship Program

Each year the U.S. Army awards two and three-year on-campus scholarships to outstanding young men and women participating in the Army ROTC program who desire careers as commissioned Officers in the U.S. Army. The Army pays tuition fees, books, and laboratory expenses incurred by these students or room and board. In addition, each student receives \$420 per month stipend for the academic year. Individuals desiring to compete for these scholarships should apply at the Department of Military Science.

### Army ROTC Uniforms, Books and Supplies

Students enrolling in the Army ROTC program are issued U.S. Army uniforms, books, and supplies by the Department of Military Science. No fees or deposits of any kind will be required. Uniforms must be returned before commissioning or upon dismissal or withdrawal from the ROTC program.

### MIL Courses

The Basic course of four (4) semesters consists of one hour of lecture with one hour of leadership lab per week for freshmen and two hours of lecture and one hour of leadership lab per week for sophomores. In the classroom, students acquire knowledge of military leadership, weapons, tactics, basic military skills, and physical fitness. In field training exercises, potential for leadership is progressively developed.

The Advanced Course consists of three hours of classroom work and one hour of leadership laboratory per week. The course work during the Advanced Course emphasizes techniques of management and leadership and the fundamentals and dynamics of the military team. Field training exercises provide students with applied leadership experiences.

### Mandatory Summer Training

#### Advanced Camp

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

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

### Professional Military Education (PME) Requirements

The Army's Professional Military Education requirements are established to provide Cadets with the training and enrichment necessary to successfully compete in the Army.

### Minor Concentration

The department offers a minor in military science to contracted Cadets only. The program is designed to prepare students for commission in the United States Army. Whatever the major, a military science minor will strengthen students' management, leadership, and interpersonal communication skills. The minor requires 15 credit hours with minimum grades of "B" in the following military science courses: MILS 3301, 3302, 4401, and 4402, HIST 2111 or 2112.

### Physical Training

Physical Training (PT) is an important part of the Army ROTC program. Its purpose is to ensure each Cadet is physically fit. The Army Physical Fitness Test (APFT) is used to determine the level of fitness by measuring Cadets' endurance and stamina in three different events: push-ups, sit-ups, and a 2-mile run.

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

# College of Education

The College of Education (COE) is the organizational unit for the Department of Teacher Education and the Interdisciplinary Studies Program, TRIO Programs, and the Gaining Early Awareness and Readiness for Undergraduate Programs (GEAR UP). The Dean of the College of Education provides leadership for the unit and works collaboratively with deans of the other units to ensure continuity with university-wide initiatives and to develop school and community partners.

The Department of Teacher Education 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 (P-12). Also, the Department of Teacher Education, in collaboration with the College of Liberal Arts and Social Sciences prepares students to become eligible for Georgia certification through the Bachelor of Fine Arts (BFA) in Visual and Performing Arts with concentrations in Music Education (P-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 Department of Teacher Education.

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 an Interdisciplinary, 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).

## **Mission**

Preparing Global, Reflective, Professional Educators

The mission of the Department of Teacher Education in collaboration with P-20 institutions is to prepare and empower professional educators with the knowledge, skills, and dispositions to teach all students in a global, diverse educational setting, to provide inclusive learning environments, and to demonstrate ethical behavior.

## **Vision**

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



### **Teacher Preparation Program Student Learning Outcomes (PSLOs)**

The program student learning outcomes (PSLOs) are aligned to the unit's mission and conceptual framework. As programs that are grounded in research-based teaching practices and that adheres to the principles, policies, and procedures framed in state and national standards, the teacher preparation programs in the College of Education's Department of Teacher Education enable teacher candidates to be equipped to address the academic achievement of all students. More specifically, COE's PSLOs are outlined in items 1–5 that define candidate proficiencies.

#### **PSLO 1. Content and Pedagogical Knowledge**

Teacher candidates will possess induction level content and pedagogical knowledge as demonstrated by the ability to address state and local curricula and standards that meet the needs of all students through relevant learning experiences.

#### **PSLO 2. Instruction: Planning, Strategies, Differentiation, and Technology**

Teacher candidates will use research-based, instructional strategies and technologies that are relevant to the content and that address individual learning needs and interests to actively engage learners in higher-order and critical thinking.

#### **PSLO 3. Assessment: Strategies and Use of Data**

Teacher candidates will be able to design and select varied diagnostic, formative, and summative assessment tools and strategies that are appropriate for the content and student population and use technology to analyze and develop data-driven solutions to improve instruction and provide constructive feedback to students, parents, and stakeholders.

#### **PSLO 4. Supportive and Challenging Learning Environment**

Teacher candidates will be able to create and maintain a supportive, student-centered academic environment in which learners are challenged and encouraged to become self-directed and reflective learners to achieve at their full potential.

#### **PSLO 5. Professionalism and Communication**

Teacher candidates will exhibit professional ethics and the dispositions expected of an educator through professional development, communication and collaboration with colleagues, and engagement with students and the school community.

### **Teacher Preparation**

Acceptance and enrollment at Savannah State University (SSU) does not automatically qualify an applicant for the Teacher Education Program. In accordance with Board of Regents, the Georgia Professional Standards Commission, and the College of Education (COE), students seeking to become teacher candidates must apply for admission to the Teacher Education Program. During the first three semesters, students interested in the Teacher Education Program should enroll in Education Foundation courses and successfully complete course work and field hours in EDUC 2110 Investigating Critical and Contemporary Issues in Education, EDUC 2120 Socio-cultural Influences in Teaching and Learning, and EDUC 2130 Exploring Teaching and Learning. Students should also complete general education and core requirements as outlined in this catalog and on program maps. In addition to required coursework, students MUST pass the Georgia Assessments for the Certification of Educators (GACE) as explained below.

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

1. Complete and submit an application for admission to the College of Education
2. Successfully complete at least 30 semester credits of accredited college coursework.
3. Complete 30 clock hours of field experience.
4. Submit a verification of tort liability insurance.
5. 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.
6. Submit passing scores on the GACE Program Admission Assessment or be exempt by acceptable SAT (totaling 1000 or more in Reading & Math or 1080 total if taken after July 2019) or ACT (totaling 43 in English & Math) scores.
7. Complete EDUC 2110, EDUC 2120, and EDUC 2130 with grades of C or higher.
8. Submit a positive recommendation along with the character disposition survey from a faculty member at Savannah State University.
9. Submit a Philosophy of Teaching as completed in Education Foundation courses (EDUC 2110, EDUC 2120, and EDUC 2130).
10. Complete an interview with a representative(s) of the Department of Teacher Education.

In addition to the requirements listed above, students must apply and be granted a Pre-Service Certification from the Georgia Professional Standards Commission (GaPSC).

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

Course Lettering System

Four capital letters followed by four numbers are used to designate individual courses. The following is a list of the abbreviations used in specific content areas.

College of Education

Abbreviation	Course
BIDS	Interdisciplinary Studies
BIED	Biology Education
EDUC	Education
ESED	Educational Studies
ETED	Engineering Technology Education
MAED	Mathematics Education
MGED	Middle Grades Education
MUED	Music 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 Professional advisors and faculty mentors.

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

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

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

**Area F 17 hrs**

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

**Biology Education Courses 28-31 hrs**

MATH 1113	Pre-Calculus (if not taken in Area A)	3 hrs
BIOL 1107	Principles of Biology I	3 hrs
BIOL 1107L	Prin. of Biology I Lab	1 hrs
BIOL 1108	Principles of Biology II	3 hrs
BIOL 1108L	Prin. of Biology II Lab	1 hrs
BIOL 2401/3401	Ecology and Evolutionary Biol.	3 hrs
BIOL 2401L/3401L	Ecol. and Evol. Biol. Lab	1 hrs

BIOL 3201	Cell Biology	3 hrs
BIOL 3201L	Cell Biol. Lab	1 hr
BIOL 3301	Genetics	3 hrs
BIOL 3301L	Genetics Lab	1 hr
BIOL 3321	Microbiology	3 hrs
BIOL 3321L	Microbiology Lab	1 hr
PHYS 1111K	Introductory Physics I	4 hrs

**Education Courses 33 hrs**

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

**TOTAL 121-124 hours**

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

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

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

**Area F 17 hrs**

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

**Engineering Technology Education Courses 27 hrs**

CSCI 1301	Computer Science I	3 hrs
MATH 1113	Pre-Calculus (if not taken in Area A)	

OR

MATH 2101	Calculus (if MATH 1113 in Area A)	3 hrs
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ETED 2201	Literacy & Technical Writing in Engineering and Technology Ed	2 hrs
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ETED 3211	Connections in P-12 Engineering Technology Education	4 hrs
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ETED 3301	Electrical Power & Energy Syst	3 hrs
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ETED 3302	Hydraulic & Pneumatic Systems in Technology Education	3 hrs
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ETED 3303	Construction Systems	3 hrs
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ETED 3304	Transportation Systems	3 hrs
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ETED 3305	Manufacturing Systems	3 hrs
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**Engineering Technology Education Courses 33 hrs**

EDUC 3030	Teaching Exceptional Learners	3 hrs
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EDUC 3040	Classroom Management & Ethics	3 hrs
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EDUC 3200	Curriculum and Assessment	3 hrs
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ETED 2500	Intro to Engineering & Tech Ed	3 hrs
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ETED 3000	Principles of Engineering & Tech Ed	3 hrs
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ETED 4416	Teaching and Research in Engineering and Technology Ed	3 hrs
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ETED 4417	Practicum in Teaching Engineering Technology Ed	3 hrs
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EDUC 4475	Student Teaching/Clinical Practice	10 hrs
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EDUC 4476	Student Teaching Seminar	2 hrs
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**TOTAL 120 hours**

**\*A grade of “C” or better is required**

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

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

**Area F 17 hrs**

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

**Mathematics Education Courses 28 hrs**

MATH 1113	Pre-Calculus (if not taken in Area A)	3 hrs
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MATH 2101	Calculus I	4 hrs
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MATH 2111	Calculus II	4 hrs
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MATH 2121	Calculus III	4 hrs
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MATH 2301	Intro to Discrete Mathematics	3 hrs
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MATH 3101	Linear Algebra	3 hrs
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MATH 3201	Probability and Statistics I	3 hrs
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MATH 3211	Foundations of Higher Mathematics	3 hrs
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MATH 3401	Modern Geometry	3 hrs
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**Education Courses 33 hrs**

EDUC 3030	Teaching Exceptional Learners	3 hrs
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EDUC 3040	Classroom Management & Ethics	3 hrs
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EDUC 3200	Curriculum and Assessment	3 hrs
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MAED 2201	Mathematics Literacy for Diverse Learners	3 hrs
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MAED 3002	Connections in Secondary Mathematics	3 hrs
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MAED 4416	Teaching and Research in Mathematics Education	3 hrs
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MAED 4417	Practicum in Teaching Secondary School Mathematics	3 hrs
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EDUC 4475	Student Teaching/Clinical Practice	10 hrs
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EDUC 4476	Student Teaching Seminar	2 hrs
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**TOTAL 120-123 hours**

**\*A grade of “C” or better is required**

## Middle Grades Education Programs

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

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

**MATH 1111 Required in Core Area A**

**Area F 17 hrs**

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

**Middle Grades Education Courses 30 hrs**

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

**Education Major 30 hrs**

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

**TOTAL 120 hours**

**\*A grade of “C” or better is required**

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

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

**Area F 17 hrs**

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

**Middle Grades Education Courses 30 hrs**

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

**Education Major 30 hrs**

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

**TOTAL 120 hours**

**\*A grade of “C” or better is required**

## Post-Baccalaureate and Endorsement Non-Degree Programs

### Post-Baccalaureate Teacher Certificate Non-Degree Program

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	3 hrs
EDUC 5400 Methods and Research in Education with Practicum	3 hrs
EDUC 5475 Student Teaching/Internship and Seminar	6 hrs
<b>TOTAL</b>	<b>24 hours</b>

### Urban Education Endorsement Non-Degree Program

Required classes:

EDUC 5310 Intro to Urban Education	3 hrs
EDUC 5320 Multicultural Education in Urban America	3 hrs
EDUC 5330 Culturally Relevant Classroom Management and Language Engagement in Urban Classrooms and Communities	3 hrs
<b>TOTAL HRS</b>	<b>9 hours</b>

## Interdisciplinary Studies Programs

Program of Study –

### **Bachelor of Interdisciplinary Studies**

**Areas A, B, C, D, E, and additional requirements 42-43 hrs**

**Area F 17-18 hrs**

Any First Year Experience Course 2 hrs

BIDS 2000 Intro to Interdisciplinary Stu 1 hr

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

**Major Field 33 hrs**

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

**Complementary Field 18 hrs**

BIDS 3000 Foundations in Interdisc Studies 3 hrs

BIDS 4000 Seminar in Interdisciplinary Studies 3 hrs

Complementary courses 12 hrs

**General Electives 9 hrs**

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

**TOTAL 120-122 hours**

**\*A grade of “C” or better is required**

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

BIDS 2000 Intro to Interdisciplinary Stu 1 hr

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 Foundations in Interdisc Studies 3 hrs

BIDS 4000 Seminar in Interdisciplinary Studies 3 hrs

**General Electives 15 hrs**

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

**TOTAL 120-122 hours**

**\*A grade of “C” or better is required**

Program of Study –

### **Bachelor of Interdisciplinary Studies**

**(Educational Studies Concentration)**

**Areas A, B, C, D, E, and additional requirements 42-43 hrs**

**Area F 17-18 hrs**

Any First Year Experience Course 2 hrs

ESED 2000 Intro to Education Studies 3 hrs

BIDS 2000 Intro to Interdisciplinary Stu 1 hr

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

**Educational Studies (ESED) 33 hrs**

Courses comprised of 3000-4000 level courses from Education and Educational Studies 21 hrs

Courses comprised of 3000-4000 courses from related major fields

**Complementary Field 18 hrs**

BIDS 3000 Foundations in Interdisc Studies 3 hrs

BIDS 4000 Seminar in Interdisciplinary Studies 3 hrs

Courses comprised of complementary courses 12 hrs

**General Electives 9 hrs**

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

**TOTAL 120-122 hours**

**\*A grade of “C” or better is required**

# Course Descriptions

## Accounting

<b>ACCT 2101</b>	<b>Principles of Financial Accounting</b>	<b>3 Credits</b>	<b>(3-0-3)</b>
A study of the underlying theory and application of financial accounting concepts. <i>Prerequisite(s):</i> MATH 1111			
<b>ACCT 2102</b>	<b>Principles of Managerial Accounting</b>	<b>3 Credits</b>	<b>(3-0-3)</b>
A study of the underlying theory and application of managerial accounting concepts. <i>Prerequisite(s):</i> ACCT 2101			
<b>ACCT 3111</b>	<b>Intermediate Financial Accounting I</b>	<b>3 Credits</b>	<b>(3-0-3)</b>
An introduction to the accounting theory underlying financial statements. There is an emphasis on the study of accounting principles and ethics relating to the recording and presentation of cash, receivables, and the investment in productive resources such as inventories. Computer aided instruction will be utilized wherever applicable. <i>Prerequisite(s):</i> ACCT 2101 and ACCT 2102 with grade C or higher			
<b>ACCT 3112</b>	<b>Intermediate Financial Accounting II</b>	<b>3 Credits</b>	<b>(3-0-3)</b>
A course that is a continuation of ACCT 3111. The topics covered include property, plant, equipment, liabilities, contingencies, stockholders' equity, dilutive securities, earnings per share, and investments. Computer assisted instruction will be utilized wherever applicable. <i>Prerequisite(s):</i> ACCT 3111			
<b>ACCT 3113</b>	<b>Federal Income Taxation of Individuals</b>	<b>3 Credits</b>	<b>(3-0-3)</b>
An analysis of the federal income tax law and its application to individuals. The course includes extensive practical problems, including the preparation of returns. Computer assisted instruction will be utilized. <i>Prerequisite(s):</i> ACCT 2101 and ACCT 2102			
<b>ACCT 3115</b>	<b>Cost Managerial Accounting</b>	<b>3 Credits</b>	<b>(3-0-3)</b>
A course that furthers the knowledge gained in the fundamental managerial accounting course. This course emphasizes the use of basic cost accounting theory and concepts for cost accumulation and usage under job order, process, and activity-based costing systems, as well as budgeting and standard costing in a manufacturing environment. It also covers control and analysis of materials, labor and manufacturing overheads, and well as cost control and accumulation in a service environment. <i>Prerequisite(s):</i> ACCT 2101 and ACCT 2102			
<b>ACCT 3117</b>	<b>Accounting Information Systems</b>	<b>3 Credits</b>	<b>(3-0-3)</b>
The course introduces systems concepts and the role of the accountant in the Systems Development Life Cycle (SDLC). It covers areas such as documentation of systems, database management tools and strategies, and aspects of information systems controls. The impact of emerging technologies on accounting is also addressed. Additionally, specific accounting systems (Purchasing, Production, etc.), with relevant systems applications in current use are also covered. <i>Prerequisite(s):</i> ACCT 3111			
<b>ACCT 4111</b>	<b>Intermediate Financial Accounting III</b>	<b>3 Credits</b>	<b>(3-0-3)</b>
A continuation of Intermediate Financial Accounting II, new topics include revenue recognition, accounting changes and errors, accounting for income taxes, pensions and other post-retirement benefits, leases, cash flow statement. <i>Prerequisite(s):</i> ACCT 3112			
<b>ACCT 4116</b>	<b>Accounting for Not-For-Profit Institutions</b>	<b>3 Credits</b>	<b>(3-0-3)</b>





within the African women's movement. It will also explore the underlying social causes of male chauvinism, gender violence, and gender role transformation within the context of race and class oppression.

*Prerequisite(s):* AFRS 2000 or AFRS 1501

**AFRS 3141 African Government & Politics 3 Credits (3-0-3)**

An introductory survey of political patterns, political processes, and political ideologies in Africa; an examination of the legacy of colonialism and the processes of modernization, and development: problems of political instability.

**AFRS 3211 Religion & African Thought Systems 3 Credits (3-0-3)**

An extensive examination of the various cosmologies, basic ethical systems, and spirituality of selected traditional African societies and the extent of their impact and influence on the development of the African American religious tradition.

**AFRS 3212/ENGL 3212 African-American Oral Traditions 3 Credits (3-0-3)**

Studies African-American folklore, preaching and speaking, and the lyrics of spirituals, blues, and rap in relation to African roots, historical conditions, and literary practice.

*Prerequisite(s):* ENGL 2200 or ENGL 3010

**AFRS 3216/ENGL 3216 African-American Poetry 3 Credits (3-0-3)**

A survey of African-American poetry from the nineteenth century through the Harlem Renaissance to contemporary poetry, examining its relationships to the oral tradition and to literary, social, and political influences. Includes such writers as Claude McKay, Langston Hughes, Gwendolyn Brooks, Nikki Giovanni, Sonia Sanchez, and Rita Dove.

*Prerequisite(s):* ENGL 2200 or ENGL 3010

**AFRS 3217/ENGL 3217 African American Fiction 3 Credits (3-0-3)**

A critical survey focusing on leading themes and techniques in the short stories and novels of such authors as Charles Chestnut, Zora Neale Hurston, Richard Wright, Ralph Ellison, James Baldwin, Toni Morrison, Ishmeal Reed, Alice Walker and Gloria Naylor.

**AFRS 3218 African-Caribbean Literature 3 Credits (3-0-3)**

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

**AFRS 3219/ENGL 3219 African-American Nonfiction 3 credits (3-0-3)**

A survey of African-American nonfiction from the early slave narratives to the present, including W.E.B. DuBois, Alex Haley, Alice Walker, and others.

*Prerequisite(s):* ENGL 1102

**AFRS 3301/HIST 3301 African-American History Before 1900 3 Credits (3-0-3)**

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

**AFRS 3501 Survey of African Cultures & Societies 3 Credits (3-0-3)**

A survey of the cultural patterns and institutions foundations and structure of selected African societies that presents and examines both traditional and contemporary aspects of the African culture as well as examining the impact of culture on the various areas of societal, institutional, and national development will be discussed as well.

**ENGL 4200 African Literature 3 Credits (3-0-3)**

An introduction to the “orature” and literatures (Anglophone and, in translation, vernacular, francophone, Swahili, and Arabic) of sub-Saharan Africa. Includes such writers as Achebe, Soyinka, Armab, Okri, Ngugi, Senghor, Beti, Oyono, Fagunwa, and Salih.

*Prerequisite(s):* ENGL 1102

**AFRS 4311/PSYC 4311**                      **Psychology of the African-American Experience**                      **3 Credits**                      **(3-0-3)**

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

*Prerequisite(s):* PSYC 1101

**AFRS 4501**                      **African Americans, Africa, & Pan-Africanism**                      **3 Credits**                      **(3-0-3)**

An interdisciplinary examination of the concept of Pan Africanism as a realistic, authentic, effective and multidimensional mechanism by which people of African descent in the United States have related historically and culturally to the African dimension of their identity.

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

*Prerequisite(s):* AFRS 1501

**AFRS 4601**                      **Senior Seminar**                      **3 Credits**                      **(3-0-3)**

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

*Prerequisite(s):* Permission of the instructor

**AFRS 4602**                      **Special Topics**                      **3 Credits**                      **(3-0-3)**

An in-depth examination and analysis of an issue or issues of particular significance to the historical, cultural, intellectual or social development or contemporary predicament of Africans or African Americans.

## **Anthropology**

**ANTH 1101**                      **Introduction to Anthropology**                      **3 Credits**                      **(3-0-3)**

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

## **Arabic**

**ARAB 1001**                      **Elementary Arabic I**                      **3 Credits**                      **(3-0-3)**

An introduction to elementary modern standard Arabic. The course will focus on the phonology and writing system. Lectures in Arabic civilization and culture will be integrated into the language study. Not open to students who have more than one year of high school Arabic or who are native speakers of Arabic.

**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

**ARAB 2001**                      **Intermediate Arabic I**                      **3 Credits**                      **(3-0-3)**

An intensive review of grammar and sentence structure, along with drills in reading, speaking and writing. Language instruction will be supplemented with lectures and audio-video presentations.

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

**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** **Contemporary Art** **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

**ARTS 1010** **Drawing I** **3 Credits** **(3-0-3)**  
Basic drawing materials and techniques. Elements and principles of art are studied through still life and nature subject matter. Introduction to computer drawing is optional.

**ARTS 1011** **Drawing II** **3 Credits** **(3-0-3)**  
An introduction to the study of landscape and the human figure. Elements and principles of design will be reviewed. The course explores various materials and techniques. Basic introduction to computer drawing is optional.  
*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** **Color/Composition** **3 Credits** **(3-0-3)**  
Designed for students to study and explore the basic elements, principles, materials and techniques of two-dimensional visual art. The course also includes explorations and discussion of color and color theory. The course allows students to study the critical components of two-dimensional design and the role of color within a composition.

**ARTS 1101** **Introduction to Visual Arts** **3 Credits** **(3-0-3)**  
Introduction to Art is a lecture course with some opportunity for studio experiences and web enhanced assignments. The course explores the basic elements and principles of two and three-dimensional art. The study of various materials and techniques used in the graphic and plastic arts is included. Students will develop skills in translating art concepts into art products and study artists who created major styles and art movements. Individual field trips to city and state galleries and museums are anticipated. The works of contemporary African-American artists are highlighted.

**ARTS 2800** **New Media Design** **3 Credits** **(3-0-3)**  
Provides experiences in significant design media. Through the exploration of various digital media applications students will learn to navigate vast digital environments in order to isolate the tools needed to solve design dilemmas.

**ARTS 3012** **Life Studio** **3 Credits** **(3-0-3)**  
This course studies drawing and painting of the human figure form. The course will study advanced problems in drawing and composition of the human figure. Following initial review, the student may choose an individual medium of study with the approval of the instructor.  
*Prerequisite(s):* ARTS 1010, 1011

**ARTS 3101** **Painting I** **3 Credits** **(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** **(3-0-3)**  
An introduction to photographic processes through a combination of lectures, demonstrations, assignments and critiques, with an emphasis on creative use of camera controls, exposure and digital imaging software. Students learn to see photographically through an exploration of the basic tools, techniques and aesthetics of traditional and digital photography, and an awareness of the African American contribution to photography.

**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 3212** **Forensic Photography** **3 Credits** **(3-0-3)**  
This course will examine the techniques, methods, and ethical issues of photographic applications in forensic science, focusing on practical investigative applications as well as historic photography analysis and documentation. Students

will gain experience through hands-on studio/lab and field assignments. Prosumer SLR camera and flash system required.

*Prerequisite(s):* ARTS 3201

**ARTS 3301** **Printmaking I** **3 Credits** **(3-0-3)**

An introduction to printmaking processes and equipment with equal emphasis on concept and technique. No prior printmaking experience required. This course provides the opportunity to explore various forms of print media for those who are interested in gaining a basic understanding of printmaking. Demonstrated methods include various approaches in each media.

**ARTS 3311** **Printmaking II** **3 Credits** **(3-0-3)**

Continuation of printmaking processes and equipment covered in Printmaking I with equal emphasis on concept and technique. This course provides the opportunity for students to enhance their proficiency of print processes, and a further investigation of the Southern African American Printmaker. Demonstrated methods include various approaches in each media. Course will be limited to 15 students.

*Prerequisite(s):* ARTS 3301

**ARTS 3401** **Sculpture I** **3 Credits** **(3-0-3)**

Comprehensive course designed to develop a basic understanding of a variety of techniques, processes, and styles in sculpture. Each student will be challenged to become sensitive to formal and conceptual concerns in sculpture, while investigating the technical aspects of art. In conjunction with various techniques, students will utilize formal and conceptual concerns found in art to gain practical experience in producing work. As well as the hands on exploration of the medium, each student will learn to critically write and speak about their work and the work of other artists. Demonstrated methods include basic carving, molds making, casting, and welding.

**ARTS 3411** **Sculpture II** **3 Credits** **(3-0-3)**

Building on the foundation of Sculpture I, students are challenged to expand their vocabulary of sculptural form and concept. Intermediate sculpture encourages the student to develop a personal direction in tandem with class directed assignments which have an emphasis on expanding technical and conceptual possibilities. In conjunction with increased technical proficiency, students will expand critical awareness through the investigations of conceptual, historical and contemporary art issues, ultimately increasing professionalism and the development of a personal aesthetic.

*Prerequisite(s):* ARTS 3401

**ARTS 3601** **Illustration I** **3 Credits** **(3-0-3)**

Exploration of illustration as a means of communicating ideas in nonverbal/pictorial ways. A variety of drawing styles, techniques, and materials will be explored in creation of drawings and illustrations for this class.

**ARTS 3611** **Illustration II** **3 Credits** **(3-0-3)**

Continuation of concepts and techniques covered in ARTS 3601. Students will continue to explore various materials and techniques used in illustration, with an emphasis on development of a personal artistic style. Students will have the opportunity to create illustrations for multiple purposes, including projects that focus on illustration as a storytelling, educational and emotional medium.

*Prerequisite(s):* ARTS 3601

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

A comprehensive course designed to develop a basic understanding of a variety of techniques and processes in clay. Each student will be challenged to become sensitive to the inherent qualities of clay, become proficient in glazing techniques and will be exposed to firing processes. In conjunction with these various techniques, student will utilize formal and conceptual concerns found in art to gain practical experience in producing work. As well as the hands on exploration of the medium, each student will learn to critically write and speak about their work and the work of other artists. No prior ceramics experience is required. Demonstrated methods include basic throwing, various hand building techniques, kiln firing, and glaze application.

**ARTS 3711****Ceramics II****3 Credits (3-0-3)**

Building on the foundation of Introduction to Ceramics, students are challenged to expand their vocabulary of ceramic form and texture. Hand building and wheel throwing techniques will be explored for both vessel and sculptural work. Technical understanding of surface treatments, firing techniques, glaze formulation and ceramic processes are emphasized as tools used toward formal and conceptual success. Students have the opportunity to pursue more individual concerns in tandem with class directed assignments. In conjunction with increased technical proficiency, students will expand critical awareness through the investigation of conceptual, historical and contemporary art issues, ultimately increasing professionalism and the development of a personal aesthetic.

*Prerequisite(s):* ARTS 3701

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

This course will address fundamental, theoretical, and practical questions that result from one's participation in the arts. Participants will examine their own views and others' aesthetic values as a means of understanding the arts through a multicultural and cross-cultural perspective. Students will also investigate the issues that affect arts organizations within the immediate community and issues relating to current, national and international events in which human values are materialized in art. Emphasis will be placed on field trips to local art institutions and participation at events as well as thinking and writing critically about the arts.

*Prerequisite(s):* ARTH 4603

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

This is a one-semester introduction course to astronomy. Some of the topics to be covered include: sun, planets and moons; origin of the solar system; nature and evolution of stars; exploding stars; stellar remnants, including white dwarfs, neutron stars, and black holes; molecules in space; galaxies and quasars; past and future of the Universe; and life in the Universe. A field trip to the Planetarium may be required.

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

This course provides an overview of careers in Behavior Analysis and psychology. The content includes ethical considerations for those conducting research or in applied practice. Additionally, content covers system support available for those practicing in the field, such as competency-based training, performance monitoring, and procedural integrity.

**BEHV 2000****Basic Concepts in Behavior Analysis****3 Credits (3-0-3)**

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

*Prerequisite(s):* BEHV 1101

**BEHV 2101****History of Behavior Analysis****3 Credits (3-0-3)**

This course involves an examination of philosophical positions and empirical research that have made significant contributions to the development of behavior analysis. Coverage will include the contributions of B. F. Skinner, who founded the field of behavior analysis, as well as other individuals and events that have influenced the field, from its roots in experimental psychology to its emergence as a separate discipline.

*Prerequisite(s):* BEHV 1101 and BEHV 2000 (grade of C or better)

**BEHV 2103****Behavior Statistics****3 Credits (3-0-3)**



**BEHV 3118**    **Multicultural & Social Issues in Behavior Analysis**    **3 Credits**    **(3-0-3)**

This course is designed to identify and explore issues, strategies and successes with multicultural and minority clientele. It will prepare students to recognize and respond to factors that may affect the application of behavior analysis principles within and across community settings and focuses on research and best practices related to cultural competence in assessment and treatment as behavioral consultants. Community contexts and settings considered in this course include families and family homes, schools, service agencies and facilities; neighborhoods with district cultural identities; and places of employment, recreation, and commerce.

*Prerequisite(s):* BEHV 1101 and BEHV 2000

**BEHV 3710**    **Autism Spectrum Disorders**    **3 Credits**    **(3-0-3)**

This course will provide a comprehensive, research-based overview of Autism Spectrum Disorders allowing students to understand the disorder, the range of characteristics, and the issues faced by families of children with autism. This course will explore design, delivery and evaluation of instruction for individuals with autism spectrum disorders, use of assistive technology and augmentative communication and implementation of functional behavior assessment and positive behavior support for children and adults.

*Prerequisite(s):* BEHV 2000

**BEHV 3720**    **Community Applications of Behavior Analysis**    **3 Credits**    **(3-0-3)**

The course provides an overview of community psychology from a behavior analytic perspective. This course will cover a number of areas where behavior analysis can make a difference in solving socially important issues at the community level. The focus of the course will be on reviewing the research that has been conducted in the field and developing new ideas for addressing problems in the community.

*Prerequisite(s):* BEHV 2000

**BEHV 3730**    **Organizational Behavior Management**    **3 Credits**    **(3-0-3)**

The course provides an overview of the field of Organizational Behavior Management (OBM). OBM is one area of Applied Behavior Analysis with a focus on behavior in the workplace. This class will review how the principles of Behavior Analysis are applied in the business and provide specific examples of how performance management works. In addition, the effectiveness of common practices within the work environment will be evaluated.

*Prerequisite(s):* BEHV 2000

**BEHV 3740**    **Behavior Ethics**    **3 Credits**    **(3-0-3)**

This course will familiarize the student with the ethical issues involved in the provision of behavioral services and research with human and animal populations. Special consideration of the responsibilities required of applied behavior analysts by the Behavior Analyst Certification Board (BACB) will be given. Informed consent, protection of confidentiality, conflict of interest, and selection of least intrusive, least restrictive behavior change procedures will be presented and discussed within the context of case method. Ethical decision making processes will be emphasized.

*Prerequisite(s):* BEHV 1101, BEHV 2000 and BEHV 3104

**BEHV 3750**    **Science, Skepticism, and Critical Thinking**    **3 Credits**    **(3-0-3)**

In this class we will utilize scientific critical thinking to learn about how our brain can trick us, how to recognize when it has, and how we can make good decisions anyway. The main goal is to teach you how to think critically about claims you encounter and how skeptical thinking should be used in your daily and professional life.

*Prerequisite(s):* BEHV 1101

**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)**





mathematics, and real world experiences. Emphasis is on writing, technology, and the use of varied assessments to aid teacher candidates in the adaptation of teaching strategies to meet the needs of all students.

*Prerequisite(s):* Admission to Teacher Education Program

**BIED 4000** **Special Topics** **1-13 Credits** **(V-0-V)**

This course focuses on topics in education or topics in the major content area of education.

**BIED 4416** **Teaching and Research in Secondary Biology Education** **3 Credits** **(3-0-3)**

This course is an examination and application of curricular issues, learning theories, teaching strategies, instructional materials, and assessment procedures associated with teaching secondary mathematics in the multicultural and diverse classroom of today. The course emphasizes those practices recommended by research in math education and NCTM Principles and Standards. Candidates examine aspects of math classroom practice from various perspectives. The eportfolio is required for all education courses.

*Prerequisite(s):* Admission to Teacher Education

*Corequisite:* BIED 4417

**BIED 4417** **Practicum in Teaching Secondary Biology Education** **3 Credits** **(3-0-3)**

This course is designed to provide teacher candidates with experience in a supervised school setting where they will show active involvement with mentor teachers in creating and teaching lessons and assessing student learning to guide instruction. Students will learn how to implement meaningful and engaging instruction for secondary students in biology using inquiry and discovery to develop critical thinking, problem solving, and scientific literacy skills. Verification of professional liability insurance and a clear criminal background check are required prior to receiving a school placement. The e-portfolio is required for all education courses. There are 160 field experience credits in this course. The course cannot be passed without completion of the field experience credits. Verification of professional liability insurance and a clear criminal background check are required prior to receiving a school placement.

*Prerequisite(s):* Admission to Teacher Education

*Corequisite:* BIED 4416

## **Biology**

**BIOL 1001** **Introduction to Life Science** **1 Credit** **(1-0-1)**

Introduction to the biological sciences, career exploration, and the responsibilities of professionals in these careers. Freshman elective course for Biology Major.

**BIOL 1103** **General Biology** **3 Credits** **(3-0-3)**

Chemistry of life cell, structure and function, metabolism, cellular respiration, photosynthesis, plant and animal organization and growth, origin and evolution of life, ecosystems, and the biosphere.

*Corequisite:* BIOL 1103L

**BIOL 1103L** **General Biology Lab** **1 Credit** **(0-1-1)**

Lab taken concurrently with BIOL 1103.

*Corequisite:* BIOL 1103

**BIOL 1104** **Human Biology** **3 Credits** **(3-0-3)**

Human organization, functions of various organ systems in humans, development, the biosphere and inheritance, e, 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

<b>BIOL 1107</b>	<b>Principles of Biology I</b>	<b>3 Credits</b>	<b>(3- 0-3)</b>
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. <i>Corequisite:</i> BIOL 1107L			
<b>BIOL 1107L</b>	<b>Principles of Biology I Lab</b>	<b>1 Credit</b>	<b>(0-1-1)</b>
Lab taken concurrently with BIOL 1107. <i>Corequisite:</i> BIOL 1107			
<b>BIOL 1108</b>	<b>Principles of Biology II</b>	<b>3 Credits</b>	<b>(3-0-3)</b>
Introduction to organismal and developmental biology, structure and physiology of plants and animals relative to their evolution and adaptation to different environments, classification, comparative and diverse adaptations in the biological kingdoms, neural and endocrine control processes, and immunology. <i>Prerequisite(s):</i> BIOL 1107 and 1107L <i>Corequisite:</i> BIOL 1108L			
<b>BIOL 1108L</b>	<b>Principles of Biology II Lab</b>	<b>1 Credit</b>	<b>(0-1-1)</b>
Lab taken concurrently with BIOL 1108. <i>Prerequisite(s):</i> BIOL 1107L <i>Corequisite:</i> BIOL 1108			
<b>BIOL 1401</b>	<b>Introduction to Biological Chemistry</b>	<b>2 Credits</b>	<b>(2-0-2)</b>
Basic principles and concepts of biology, life and living organisms, basic and applied biology, and an overview of the interface between biology and chemistry.			
<b>BIOL 2515K</b>	<b>Human Anatomy &amp; Physiology I</b>	<b>4 Credits</b>	<b>(3-1-4)</b>
Gross anatomy, histology and physiology of human organ systems. (Not for biology majors; non-majors course intended for health professions students). <i>Prerequisite(s):</i> BIOL 1103 or BIOL 1104 or CHEM 1211 or consent of instructor			
<b>BIOL 2516K</b>	<b>Human Anatomy &amp; Physiology II</b>	<b>4 Credits</b>	<b>(3-1-4)</b>
A comprehensive study of the structure, location and functions of the organs and systems of the human body. Gross anatomy, histology, micro and macroscopic studies of organs especially nervous, musculo-skeletal, endocrine and reproductive systems. <i>Prerequisite(s):</i> BIOL 2515K			
<b>BIOL 3000</b>	<b>Lab Technique for Medical Science</b>	<b>3 Credits</b>	<b>(3-0-3)</b>
A comprehensive study of the structure, location and functions of the organs and systems of the human body. Gross anatomy, histology, micro and macroscopic studies of organs especially nervous, musculo-skeletal, endocrine and reproductive systems. <i>Prerequisite(s):</i> BIOL 2515K			
<b>BIOL 3101</b>	<b>General Botany</b>	<b>3 Credits</b>	<b>(3-0-3)</b>
An introduction to general principles of plant life with special emphasis given to cellular organization, anatomy, physiology, inheritance, taxonomy, and modern aspects of plant science, such as plant biotechnology and genetic engineering. <i>Prerequisite(s):</i> BIOL 1108 <i>Corequisite:</i> BIOL 3101L			
<b>BIOL 3101L</b>	<b>General Botany Lab</b>	<b>1 Credit</b>	<b>(0-1-1)</b>
Lab taken concurrently with BIOL 3101. <i>Corequisite:</i> BIOL 3101			

<b>BIOL 3201</b>	<b>Cell Biology</b>	<b>3 Credits</b>	<b>(3-0-3)</b>
An overview of eukaryotic cells, with an emphasis on animal cells. Analysis of the anatomy and physiology of cells and subcellular components, including molecular, biochemical and evolutionary perspectives.			
<i>Prerequisite(s):</i> CHEM 1212 and BIOL 1108			
<i>Corequisite:</i> BIOL 3201L			
<b>BIOL 3201L</b>	<b>Cell Biology Laboratory</b>	<b>1 Credit</b>	<b>(0-1-1)</b>
Lab taken concurrently with BIOL 3201.			
<i>Corequisite:</i> BIOL 3201			
<b>BIOL 3211</b>	<b>Zoology</b>	<b>3 Credits</b>	<b>(3-0-3)</b>
A study of major phyla of invertebrate animals, morphology, physiology, life histories, and taxonomic relationships of selected representatives of groups and an intense survey of the morphology, taxonomy, physiology, behavior, and ecology of the chordates, with attention given to basic principles and theories.			
<i>Prerequisite(s):</i> BIOL 1108			
<i>Corequisite:</i> BIOL 3211L			
<b>BIOL 3211L</b>	<b>Zoology Lab</b>	<b>1 Credit</b>	<b>(0-1-1)</b>
Lab taken concurrently with BIOL 3211.			
<i>Corequisite:</i> BIOL 3211			
<b>BIOL 3301</b>	<b>Genetics</b>	<b>3 Credits</b>	<b>(3-0-3)</b>
The principles of genetic analysis and the nature of genes. Discussion of the chromosomal and the molecular basis of transmission, replication, mutation, and expression of heritable characteristics. Includes modern developments in genetics, such as the physical nature and fine structure of the gene, its relationship to proteins, protein synthesis, growth, and differentiation and regulation of gene function.			
<i>Prerequisite(s):</i> BIOL 1108			
<i>Corequisite:</i> BIOL 3301L			
<b>BIOL 3301L</b>	<b>Genetics Lab</b>	<b>1 Credit</b>	<b>(0-1-1)</b>
Lab taken concurrently with BIOL 3301.			
<i>Corequisite:</i> BIOL 3301			
<b>BIOL 3321</b>	<b>Microbiology</b>	<b>3 Credits</b>	<b>(3-1-3)</b>
Introduction to origin, diversity, anatomy, and physiology of microorganisms, principles of immunology, environmental and applied microbiology.			
<i>Prerequisite(s):</i> BIOL 1108			
<i>Corequisite:</i> BIOL 3321L			
<b>BIOL 3321L</b>	<b>Microbiology Lab</b>	<b>1 Credit</b>	<b>(0-1-1)</b>
Lab taken concurrently with BIOL 3321.			
<i>Corequisite:</i> BIOL 3321			
<b>BIOL 3401</b>	<b>Ecology &amp; Evolutionary Biology</b>	<b>3 Credits</b>	<b>(3-0-3)</b>
Mechanisms of evolution in relation to the genetics of plants, animals, and man, speciation and natural selection, ecological processes in the development, structure, and organization of biomes, biogeography, population ecology, communities, and ecosystems, species interactions, and the evolution of behavior.			
<i>Prerequisite(s):</i> BIOL 1108			
<i>Corequisite:</i> BIOL 3401L			
<b>BIOL 3401L</b>	<b>Ecology &amp; Evolutionary Biology Lab</b>	<b>1 Credit</b>	<b>(0-1-1)</b>
Lab taken concurrently with BIOL 3401.			
<i>Corequisite:</i> BIOL 3401			

<b>BIOL 3410</b>	<b>Molecular Evolution</b>	<b>3 Credits</b>	<b>(3-0-3)</b>
Molecular Evolution is a study of genetic and epigenetic changes that define the modern synthesis of evolutionary change. Material will be reviewed to study changes in DNA within an organism, including population structure, geographic distribution, and systematics. Also, comparisons between organisms will be covered to review changes to DNA structures. Overall, the students will gain an appreciation of the fluid nature of DNA changes over time within all species.			
<i>Prerequisite(s):</i> BIOL 3301 and BIOL 3301L			
<b>BIOL 3420K</b>	<b>Introduction to Genomics</b>	<b>4 Credits</b>	<b>(4-0-4)</b>
Introduction to Genomics is a study of genomes. The course discusses the structure, function, and evolution of genomes, and introduces the latest techniques that are used to explore the genomes. The course will increase students' understanding of the application of genomics in our health and well-being.			
<i>Prerequisite(s):</i> BIOL 3301 and BIOL 3301L			
<b>BIOL 3501</b>	<b>Animal Behavior</b>	<b>3 Credits</b>	<b>(3-0-3)</b>
Ethological approach to animal behavior; physiological, ontogenetic, and phylogenetic causes and adaptive significance of behavior are examined. Principles of animal behavior are studied, emphasizing social organization, communication, and genetic development.			
<i>Prerequisite(s):</i> BIOL 1108			
<i>Corequisite:</i> BIOL 3501L			
<b>BIOL 3501L</b>	<b>Animal Behavior Lab</b>	<b>1 Credit</b>	<b>(0-1-1)</b>
Lab taken concurrently with BIOL 3501.			
<i>Corequisite:</i> BIOL 3501			
<b>BIOL 3511</b>	<b>Vertebrate Anatomy</b>	<b>3 Credits</b>	<b>(3-0-3)</b>
Comparative studies of structures across the vertebrate phylum. Includes analysis of evolutionary changes in vertebrates.			
<i>Prerequisite(s):</i> BIOL 1108			
<i>Corequisite:</i> BIOL 3511L			
<b>BIOL 3511L</b>	<b>Vertebrate Anatomy Lab</b>	<b>1 Credit</b>	<b>(0-1-1)</b>
Lab taken concurrently with BIOL 3511.			
<i>Corequisite:</i> BIOL 3511			
<b>BIOL 3601K</b>	<b>Biocomputing</b>	<b>4 Credits</b>	<b>(4-0-4)</b>
An introduction to a broad range of computational tools and methods, which can be used to solve biological and statistical problems. Emphasis on computational analysis of nucleic acid and protein structure, and structure-function relationships.			
<i>Prerequisite(s):</i> CSCI 1130 and BIOL 1108			
<b>BIOL 3621</b>	<b>Urban Health &amp; Hygiene</b>	<b>3 Credits</b>	<b>(3-0-3)</b>
An introduction to a variety of environmental and occupational health hazards of an urbanized society. Covers biological and health effects of environmental pollutants, disease vectors, food and housing sanitation, and principles of industrial hygiene. Social and psychological stresses, environmental health planning, and management are also discussed.			
<i>Prerequisite(s):</i> Junior standing			
<b>BIOL 3701</b>	<b>Bioethics</b>	<b>3 Credits</b>	<b>(3-0-3)</b>
A course designed to promote responsible conduct of science. Topics covered include scientific integrity, misconduct in science, conflict of interest, plagiarism, informed consent, data management, animal welfare, laboratory safety, responsible authorship, intellectual property, copy rights and patents.			
<i>Prerequisite(s):</i> Instructor's approval			

<b>BIOL 3801</b>	<b>Animal Physiology</b>	<b>3 Credits</b>	<b>(3-0-3)</b>
A study of vertebrate systemic physiological processes. Topics covered are bioenergetics, temperature regulation, endocrine control mechanisms; digestive, urinary, cardiac, respiratory, excretory, and reproductive systems, membranes, and neurophysiology.			
<i>Prerequisite(s):</i> BIOL 3201			
<i>Corequisite:</i> BIOL 3801L			
<b>BIOL 3801L</b>	<b>Animal Physiology Lab</b>	<b>1 Credit</b>	<b>(0-1-1)</b>
Lab may be taken concurrently with BIOL 3801.			
<i>Corequisite:</i> BIOL 3801			
<b>BIOL 4100</b>	<b>Directed Study</b>	<b>1-4 Credits</b>	<b>(V-0-V)</b>
Directed Study allows the student to explore a topic of interest under the close supervision of a faculty member. The course may include directed readings, applied work, assisting a faculty member with a research project, carrying out a directed research project, or other activities deemed appropriate. Regardless of the nature of the experience, the work must culminate in a formal paper. The specific course requirements are described in the Directed Study Proposal form to be completed by the student and faculty supervisor.			
<b>BIOL 4201</b>	<b>Toxicology</b>	<b>3 Credits</b>	<b>(3-0-3)</b>
General principles of toxicology, testing procedures, target organs, toxic substances, and risk assessment. Emphasis is on the mechanisms involved in chemical carcinogenesis, mutagenesis, and teratogenesis.			
<i>Prerequisite(s):</i> BIOL 1108 and CHEM2511			
<b>BIOL 4211</b>	<b>Reproductive Biology</b>	<b>3 Credits</b>	<b>(3-0-3)</b>
Comparative anatomy, physiology, and endocrinology of male and female reproductive systems with emphasis on gametogenesis, early embryonic development, and mechanisms of birth control in humans.			
<i>Prerequisite(s):</i> BIOL 3201			
<i>Corequisite:</i> BIOL 4211L			
<b>BIOL 4211L</b>	<b>Reproductive Biology Lab</b>	<b>1 Credit</b>	<b>(0-1-1)</b>
Lab taken concurrently with BIOL 4211.			
<i>Corequisite:</i> BIOL 4211			
<b>BIOL 4270</b>	<b>Mycology</b>	<b>3 Credits</b>	<b>(3-0-3)</b>
Ecology, physiology systematics, development of micro-fungi and organisms of general, industrial, and economic importance.			
<i>Prerequisite(s):</i> BIOL 3321			
<i>Corequisite:</i> BIOL 4270L			
<b>BIOL 4270L</b>	<b>Mycology Lab</b>	<b>1 Credit</b>	<b>(0-1-1)</b>
Lab taken concurrently with BIOL 4270.			
<i>Corequisite:</i> BIOL 4270			
<b>BIOL 4301</b>	<b>Biotechnology-An Overview</b>	<b>3 Credits</b>	<b>(3-0-3)</b>
An overview of principles and techniques involved in biotechnology. The impact of biotechnology on mankind, with reference to its applications in agriculture, medicine, horticulture, forestry, fisheries, and environmental protection is discussed.			
<i>Prerequisite(s):</i> BIOL 3201, 3301 or CHEM 3801			
<i>Corequisite:</i> BIOL 4301L			
<b>BIOL 4301L</b>	<b>Biotechnology-An Overview Lab</b>	<b>1 Credit</b>	<b>(0-1-1)</b>
Lab taken concurrently with BIOL 4301.			
<i>Corequisite:</i> BIOL 4301			

<b>BIOL 4411</b>	<b>Genetic Engineering Technology I</b>	<b>3 Credits</b>	<b>(3-0-3)</b>
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.			
<i>Prerequisite(s):</i> BIOL 3201, BIOL 3301, BIOL 4301, or CHEM 3801			
<i>Corequisite:</i> BIOL 4411L			
<b>BIOL 4411L</b>	<b>Genetic Engineering Technology I Lab</b>	<b>1 Credit</b>	<b>(0-1-1)</b>
Lab taken concurrently with BIOL 4411.			
<i>Corequisite:</i> BIOL 4411			
<b>BIOL 4412</b>	<b>Genetic Engineering Technology II</b>	<b>4 Credits</b>	<b>(4-0-4)</b>
Principles and applications of biotechnology/molecular biology laboratory methods. Use recombinant DNA technology, gene transfer, regeneration of transgenics, analysis of transgene expression, and other related techniques in biotechnology/molecular biology research.			
<i>Prerequisite(s):</i> BIOL 4301 or BIOL 4411, junior standing and the consent of the instructor			
<b>BIOL 4601</b>	<b>Neuroscience</b>	<b>3 Credits</b>	<b>(3-0-3)</b>
A study of neural function from the cellular through the behavioral levels. Analysis of neural structures and functions from the perspectives of electrophysiology, neurotransmitter mechanisms and pharmacology, neural networks, and comparative neuroanatomy.			
<i>Prerequisite(s):</i> BIOL 3201, BIOL 3511			
<i>Corequisite:</i> BIOL 4601L			
<b>BIOL 4601L</b>	<b>Neuroscience Lab</b>	<b>1 Credit</b>	<b>(0-1-1)</b>
Lab taken concurrently with BIOL 4601.			
<i>Corequisite:</i> BIOL 4601			
<b>BIOL 4611</b>	<b>Developmental Biology</b>	<b>3 Credits</b>	<b>(3-0-3)</b>
The study of organismal development, with an emphasis on animal systems. Course will include an analysis of genetic and hormonal factors during embryonic differentiation, with a perspective on phylogenetic relationships.			
<i>Prerequisite(s):</i> BIOL 3201, 3301, 3511			
<i>Corequisite:</i> BIOL 4611L			
<b>BIOL 4611L</b>	<b>Developmental Biology Lab</b>	<b>1 Credit</b>	<b>(0-1-1)</b>
Lab taken concurrently with BIOL 4611.			
<i>Corequisite:</i> BIOL 4611			
<b>BIOL 4631</b>	<b>Endocrinology</b>	<b>3 Credits</b>	<b>(3-0-3)</b>
Physiology of the endocrine glands and their control of metabolism and reproductive cycles.			
<i>Prerequisite(s):</i> BIOL 3201, 3801			
<i>Corequisite:</i> BIOL 4631L			
<b>BIOL 4631L</b>	<b>Endocrinology Lab</b>	<b>1 Credit</b>	<b>(0-1-1)</b>
Lab taken concurrently with BIOL 4631.			
<i>Corequisite:</i> BIOL 4631			
<b>BIOL 4641</b>	<b>Parasitology</b>	<b>3 Credits</b>	<b>(3-0-3)</b>
General principles of parasitism; classification, morphology, and life cycle of parasites of vertebrates, and immunoparasitology.			
<i>Prerequisite(s):</i> BIOL 1108			
<i>Corequisite:</i> BIOL 4641L			
<b>BIOL 4641L</b>	<b>Parasitology Lab</b>	<b>1 Credit</b>	<b>(0-1-1)</b>

Lab taken concurrently with BIOL 4641.

*Corequisite:* BIOL 4641

**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, BIOL 3321

*Corequisite:* BIOL 4681L

**BIOL 4681L** **Immunology Lab** **1 Credit** **(0-1-1)**

Lab taken concurrently with BIOL 4681.

*Corequisite:* BIOL 4681

**BIOL 4701** **Molecular Genetics** **3 Credits** **(3-0-3)**  
A study of molecular basis of inheritance with emphasis on the chemical nature of the gene, DNA replication, transcription, translation, and regulation of gene expression. The practical aspects include gene cloning, sequencing, and other recombinant techniques.

*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 3201, BIOL 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 3401/BIOL 3401L, CHEM 2501, MSCI 3401K

**BIOL 4900** **Special Topics** **3-4 Credits** **(V-0-V)**





*Prerequisite(s):* MATH 1113

**BUSA 2185 Introduction to Business Research 3 Credits (3-0-3)**

This course provides an introduction to research, its theoretical foundation and fundamental protocols. Students learn about research methodologies, the cyclical nature applied research, and the iterative process of research writing. The course teaches students how to write a research proposal, it equips students to engage in independent research, and it assists students in cultivating a mentor-mentee relationship with a faculty advisor. The curriculum is sequential, helping students to identify a study topic, propose hypotheses, formulate research questions, conduct and synthesize a literature review, and select research designs and methodologies. Students also learn about other sections that convert a proposal into a full research paper: findings, discussion, conclusions, and references.

*Prerequisite(s):* BUSA 2182

**BUSA 3000 Personal Finance 3 Credits (3-0-3)**

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

*Prerequisite(s):* MATH 1111, CISM 1130 or CSCI 1130, and ENGL 1102

**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.

**BUSA 4126 Business Policy 3 Credits (3-0-3)**

A capstone course in the College of Business Administration required of all seniors. The course integrates subject matter from the business core courses and other disciplines. This course focuses on integrated approaches to medium and long-term organizational challenges in a dynamic environment. Students develop managerial skills and learn to appreciate the role of all managers in the formulation and implementation of organizational strategies.

*Prerequisite(s):* ACCT 2101, ACCT 2102, BUSA 2105, BUSA 2106, ECON 2105, ECON 2106, MATH 1113, BUSA 2182, FINC 3155, MGNT 3165 and MKTG 3175 (Other Area G courses must be completed prior to enrollment unless it is student's graduating semester); Senior standing

**BUSA 4229 Administrative Practice & Internship 3 Credits (3-0-3)**

This course provides experiential learning in an employment setting, which is appropriate to the business student's academic program and career objectives. A minimum of 100 hours of relevant and practical work experience are required in a public or private organization, which has entered into a formal internship agreement with the College of Business Administration. The student intern will perform duties and services as assigned by the organization's supervisor and the COBA internship coordinator. In addition, the student intern may be required to attend seminars dealing with human relations, business etiquette, and professional and ethical responsibilities appropriate to the intern's major. Business students will be awarded 3 semester credit hours for successful completion of the internship. (A student cannot receive credit for both BUSA 4229 and CISM 4900). **(Grading: Pass/Fail)**

*Prerequisite(s):* MGNT 3165, Permission of COBA Dean

**BUSA 4999 Study Abroad 3 Credits (3-0-3)**

The SSU study abroad program takes place during the summer semester for a period of about four (4) weeks. Participants take courses in the history and culture of partnering countries (currently Brazil, the Caribbean, China, Ghana, and India) as well as in other areas of the academic curriculum. A typical course load consists of six (6) credit hours or two courses. COBA students will enhance their knowledge of other cultures through a three-hour history/culture courses, and will take the remaining three hours in a study abroad course in one of the business disciplines: accounting, management, marketing, or computer information systems. Through the study abroad program students can develop an in-depth appreciation of what it means to live and work in other cultures.

*Prerequisite(s):* Permission of COBA Dean

## Chemistry

*Note: Unless otherwise noted, lecture courses meet three hours each week and carry three semester hour credits. Laboratory courses meet four hours each week and carry one semester hour credit.*

**CHEM 0998                      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 CHEM 1211L

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

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

*Corequisite:* CHEM 1212 and CHEM 1212L

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

Introduction to chemistry for non-science majors. Topics to be covered include atomic structure, periodicity, and chemical processes in the natural world. Laboratory exercises will supplement lecture material.

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

First course in a two-semester sequence covering the fundamental principles and applications of chemistry. This course covers composition of matter, stoichiometry, periodic relations, and nomenclature.

*Corequisite:* CHEM 1211L

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

Laboratory exercises to supplement the lecture material of CHEM 1211.

*Corequisite:* CHEM 1211

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

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

*Prerequisite(s):* CHEM 1211

*Corequisite:* CHEM 1212L

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

Laboratory exercises to supplement the lecture material of CHEM 1212.

*Prerequisite(s):* CHEM 1211L;

*Corequisite:* CHEM 1212

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

The first of two semester introductory courses covering the principles of organic chemistry. The properties, preparation, reactions, and interrelationships of the important classes of organic chemistry.

*Prerequisite(s):* CHEM 1212

*Corequisite:* CHEM 2501L

<b>CHEM 2501L</b>	<b>Organic Chemistry I Lab</b>	<b>1 Credit</b>	<b>(0-4-1)</b>
Laboratory techniques in organic chemistry; synthesis and reactions of organic compounds and spectroscopic analysis. Lab taken concurrently with CHEM 2501.			
<i>Prerequisite(s):</i> CHEM 1212L;			
<i>Corequisite:</i> CHEM 2501			
<b>CHEM 2511</b>	<b>Organic Chemistry II</b>	<b>3 Credits</b>	<b>(3-0-3)</b>
A Continuation of Organic Chemistry I. (3-0-3)			
<i>Prerequisite(s):</i> CHEM 2501			
<i>Corequisite:</i> CHEM 2511L			
<b>CHEM 2511L</b>	<b>Organic Chemistry II Lab</b>	<b>1 Credit</b>	<b>(0-4-1)</b>
A Continuation of Organic Chemistry Laboratory I.			
<i>Prerequisite(s):</i> CHEM 2501L			
<i>Corequisite:</i> CHEM 2511			
<b>CHEM 2601K</b>	<b>Chemistry Research Methods</b>	<b>2 Credits</b>	<b>(1-1-2)</b>
Review of the research process. Construct a literature review, including the use of computer based tools, and critically analyze research papers. Introduction to performing systematic independent investigation, critically interpreting results in the context of previous studies, and communicating research results as a scientific report.			
<i>Prerequisite(s):</i> CHEM 1212 and CHEM 1212L			
<b>CHEM 3101K</b>	<b>Analytical Chemistry</b>	<b>4 Credits</b>	<b>(3-2-4)</b>
Principles and techniques in volumetric and gravimetric determinations. Principles of chemical equilibria using chromatographic, spectrophotometric, and potentiometric methods of analysis.			
<i>Prerequisite(s):</i> CHEM 1212, CHEM 1212L			
<b>CHEM 3111K</b>	<b>Instrumental Analysis</b>	<b>4 Credits</b>	<b>(3-2-4)</b>
Instrumental techniques used in chemical analysis with emphasis on accuracy and precision. Statistical and regression methods for the interpretation of data.			
<i>Prerequisite(s):</i> CHEM 3101K			
<b>CHEM 3201K</b>	<b>Inorganic Chemistry</b>	<b>4 Credits</b>	<b>(3-2-4)</b>
Fundamental principles of inorganic chemistry. Topics include electronic structure of atoms, inorganic bonding theories, group theory, coordination chemistry, and spectroscopic applications. The accompany lab reinforces concepts of the topics discussed in lecture course.			
<i>Prerequisite(s):</i> CHEM 1212			
<b>CHEM 3401K</b>	<b>Physical Chemistry I</b>	<b>4 Credits</b>	<b>(3-2-4)</b>
Thermochemistry, thermodynamics, equilibria, electrochemistry, kinetics and quantum mechanics.			
<i>Prerequisite(s):</i> CHEM 1212, CHEM 1212L and MATH 2111			
<b>CHEM 3411K</b>	<b>Physical Chemistry II</b>	<b>4 Credits</b>	<b>(3-2-4)</b>
Liquids, solids, surface and transport phenomena. Modern treatment of atom, structure, spectroscopy, statistical mechanics and statistical thermodynamics.			
<i>Prerequisite(s):</i> CHEM 3401K			
<b>CHEM 3522L</b>	<b>Advanced Synthesis Laboratory</b>	<b>2 Credits</b>	<b>(0-2-2)</b>
The focus of this laboratory course will be on advanced synthetic methods in organic and biochemistry. A wide range of compounds will be synthesized and characterized using appropriate separation and spectroscopic techniques. The interpretation of spectroscopic spectra will be emphasized. There will be two three-hour labs per week.			
<i>Prerequisite(s):</i> CHEM 2511 and CHEM 2511L			
<b>CHEM 3602K</b>	<b>Chemical Research</b>	<b>2 Credits</b>	<b>(1-1-2)</b>

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

**CHEM 3801** **Biochemistry** **3 Credits** **(3-0-3)**  
Structure and function of proteins, nucleic acids, carbohydrates, and lipids. Emphasis on mechanistic analysis of metabolic pathways and enzymes activity.

*Prerequisite(s)*: CHEM 2511 and BIOL 1108

**CHEM 4211** **Advanced Inorganic Chemistry** **3 Credits** **(3-0-3)**  
Principles of inorganic chemistry with emphasis on atomic structure, chemical bonding, solid state, coordination chemistry, organic metallic chemistry, and acid-base theories. Chemistry of selected elements.

*Prerequisite(s)*: CHEM 3201K

**CHEM 4411** **Advanced Physical Chemistry** **3 Credits** **(3-0-3)**  
The aim of this course is to further advance students' understanding of the principles and applications of physical chemistry.

*Prerequisite(s)*: CHEM 3411K

**CHEM 4531** **Advanced Organic Chemistry** **3 Credits** **(3-0-3)**  
Survey of modern organic synthesis with emphasis on mechanism of reactions.

*Prerequisite(s)*: CHEM 2511

**CHEM 4532** **Medicinal Chemistry** **3 Credits** **(3-0-3)**  
Synthesis, structure, and mode of action of therapeutically active compounds. Design of pharmaceutical agents based on enzyme mechanism, structure activity relationships, and computer modeling.

*Prerequisite(s)*: CHEM 2511 and CHEM 3801

**CHEM 4601** **Polymer Chemistry** **3 Credits** **(3-0-3)**  
Chemistry of polymers and the chemical and physical properties of polymers are discussed. Molecular weight characterization, structure and morphology and fabrication of polymer.

*Prerequisite(s)*: CHEM 2511 and CHEM 3401

*Corequisite*: CHEM 4601L

**CHEM 4601L** **Polymer Chemistry Lab** **1 Credit** **(0-4-1)**  
Lab taken concurrently with CHEM 4601.

*Prerequisite(s)*: CHEM 2511L

*Corequisite*: CHEM 4601

**CHEM 4801** **Advanced Biochemistry** **3 Credits** **(3-0-3)**  
Recent advances in medical biochemistry with clinical correlations. Biochemistry of metabolic diseases, neuroendocrine and reproductive biochemistry, signal transduction, receptor chemistry, transcriptional regulation, cancer biochemistry, and oncogenes and oncoproteins.

*Prerequisite(s)*: CHEM 3801

**CHEM 4901** **Chemical Seminar** **1 Credit** **(1-0-1)**  
Modern development in specific subdivisions of the field of chemistry.

*Prerequisite(s)*: Junior or senior standing

**CHEM 4902** **Special Topics in Chemistry** **3 Credits** **(3-0-3)**  
Discussion of current topics in organic, analytical, physical chemistry, biochemistry, or polymer chemistry.

## Chinese

**CHIN 1001**                                      **Elementary Chinese I**                                      **3 Credits**                                      **(3-0-3)**

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**                                      **Intermediate Chinese II**                                      **3 Credits**                                      **(3-0-3)**

Continuation of CHIN 2001.

*Prerequisite(s):* CHIN 2001

## 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.

*Prerequisite:* MATH 1113 and CISM 1130/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 learn how these tools may be used to analyze complex business problems and identify rational solutions.

*Prerequisites:* MATH 1113 and CISM 1130/CSCI 1130 and BUSA 2182 or SOCI 2101 or MATH 1401

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

Introduction to intermediate level applied statistics and techniques of statistical modeling. The course will utilize available primary and secondary data sets in improving the conceptual understanding. The course will involve use of programming through scripting language (Python) and statistical package R and STATA. The focus of the course will be on using understanding the following concepts by analyzing data in Python, R and STATA: inferential statistics, data mining, visualization, linear regression, decision trees, logistics regression, k-means clustering, hierarchical clustering, collaborative filtering, random forests, resampling methods, classification, singular value decomposition, regularization, choosing models and fitting parameters, generalized linear models etc.

*Prerequisite:* MATH 1113 and CISM 1130 or CSCI 1130 and BUSA 2182 or SOCI 2101 or MATH 1401

**CISM 3137 System Analysis & Design 3 Credits (3-0-3)**

An introduction to concept of the system development life cycle (SDLC). Systems development techniques, methodologies, and CASE tools are introduced.

*Prerequisite(s):* CISM 2130

**CISM 3232 Web Application Development 3 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

**CISM 3325 Data Communication & Computer Networks 3 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

**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

**CISM 4138 Contemporary Topics in CIS 3 Credits (3-0-3)**

A course that examines current issues in CIS. Topics may include visual programming, RAD techniques, building Internet applications, and advanced networking techniques.

*Prerequisite(s):* CISM 2130; Junior standing or 42-hour rule

**CISM 4150** **Network Administration** **3 Credits (3-0-3)**

This course covers the day-to-day administrative tasks necessary to maintain a business computer network. Creating user and group accounts, profiles, and setting permissions are covered. Setting up and administering a network printer will be demonstrated. Resource auditing, backup and recovery, and monitoring resources will also be covered. Microsoft Windows NT will be the software tool used in this course.

*Prerequisite(s):* CISM 3325

**CISM 4200** **Project Management** **3 Credits (3-0-3)**

This course is designed to help students learn technologies and methodology to initiate, plan, monitor and execute projects. Students will learn and exercise to develop a comprehensive project plan, including tasks with time, cost, and quality measures throughout the course. Project management tools will be employed by the team to ensure tracking of the project and communication of project goals and accomplishments to the client. Students will learn from real-world cases and work on a number of software, including but not limited to, Microsoft products and Visio.

*Prerequisite(s):* CISM 1130/CISM 1130 and CISM 2130 with grades of C or better or instructor approval

**CISM 4900** **Occupational Internship** **3 Credits (3-0-3)**

This course is expected to serve as a supplemental source of learning and to enhance the student's academic program and career objectives. A minimum of 100 hours of relevant and practical experience are required in a public or private organization, which has entered into a formal internship agreement with the College of Business Administration. The student will perform duties and services as assigned by the work supervisor and internship coordinator. Reports and assignments are required to be completed by the students.

General tasks include PC maintenance, software/hardware installation and upgrades, Web Page creation/maintenance, and Database creation and maintenance.

**(A student cannot receive credit for both BUSA 4229 and CISM 4900).**

*Prerequisite(s):* CISM 2140, CISM 3137, and CISM 3325

## **Civil Engineering Technology**

**CIVT 2109** **Introduction to Transportation Planning** **3 Credits (3-0-3)**

This course introduces the fundamentals of transportation planning and explores a broad range of topics that touch on method, policy, process, and design. Different aspects of transportation planning as well as different modes of transportation and their components will be discussed. The course also covers basic knowledge of network modeling, travel demand forecasting, and systems evaluation. The interaction and contribution of transportation planning to other disciplines such as energy, economics, and health, and social life will be discussed. There will be a class project on how to use PTV Visum software for regional transportation planning

**CIVT 2113/DATA 2113** **Data Analytics in Transportation and Logistics** **3 Credits (3-0-3)**

The purpose of this course is to provide students with a solid foundation in theory and application of transportation systems with a focus on data analytics. Data characteristics from a wide ranges of transportation areas including traffic flow, safety, and planning will be investigated, along with well-suited modeling and analysis techniques. Topics to be covered include sampling and data collection, descriptive statistics and data representation, fitting data to distributions, and regression analysis.

*Prerequisite:* MATH 1113 and CSCI 1130 or CISM 1130



**CIVT 3101K** **Surveying** **4 Credits** **(3-2-4)**

A comprehensive study of taping, leveling, angle, and direction measurements, theodolites, traverse measurements computation of coordinates, areas, and volumes; topographic surveying, contouring; tachometry, EDMs, and Total Stations route surveying; simple and transition horizontal and vertical curves; triangulation; introduction to aerial surveying and photogrammetric methods; introduction to GPS and GIS; use and care of instruments; computer applications.

*Prerequisite(s):* MATH 1113

**CIVT 3109** **Traffic Engineering & Analysis** **3 Credits** **(2-2-3)**

Introduces traffic engineering as the application of engineering methods and techniques to identify the characteristics of people and vehicles while moving and interacting on transportation infrastructures.

*Prerequisite(s):* CIVT 2109

**CIVT 3201K** **Civil Engineering Materials** **3 Credits** **(2-2-3)**

A comprehensive study of the physical, mechanical, and other important properties of materials; fabrication of method of manufacturer; durability and long-term performance, specifications and standards; laboratory testing procedures; applications or methods of use of various civil construction materials which include aggregates, concrete, cementitious materials, masonry, wood, bituminous, iron, and steel.

*Prerequisite(s):* MATH 1113

**CIVT 3211** **Construction Estimating & Management** **3 Credits** **(3-0-3)**

Construction planning and management; contracting (types, methods, documents); specifications, mathematical techniques of construction cost estimating; preparation and submission of bid; construction scheduling (CPM); project administration (financial, personnel, claims and disputes, change orders, safety); computer applications.

*Prerequisite(s):* CIVT 3201K

**CIVT 3301K** **Fluid Mechanics** **4 Credits** **(3-2-4)**

Elements of fluid mechanics; pressure measurement; hydrostatics; forces on submerged plane and curved surfaces, buoyancy; fluids in motion; hydraulic and energy gradients; forces exerted by jets on flat plates and curved vanes; orifices, notches and weirs; flow in pipes; simple pipe networks; open channel flow; pumps. Hydrologic cycle; precipitation data analysis; hydraulics of groundwater flow; equilibrium and non-equilibrium conditions; groundwater exploration; surface runoff; hydrographs; reservoir storage; flood routing; hydrological forecasting; computer applications.

*Prerequisite(s):* ENGT 3101 or ENGR 2201, and MATH 2111

**CIVT 3311** **Engineering Hydrology** **3 Credits** **(3-0-3)**

Hydrologic cycle; water budget; precipitation data analysis; evaporation & transpiration; hydraulics of groundwater flow; equilibrium and non-equilibrium conditions; groundwater exploration; surface runoff; hydrograph analysis; flood routing; hydrological forecasting; and computer applications.

*Prerequisite(s):* CIVT 3301K

**CIVT 3401K** **Highway & Transportation Engineering** **4 Credits** **(3-2-4)**

A study of several transportation modes. Emphasis will be placed on the linkage of these modes for the effective and economic movement of people, materials, and equipment. It will also include the fundamentals of highway design, layout, foundations, and pavements; grade intersections and separations; highway cross-sections, traffic and safety requirements.

*Prerequisite(s):* CIVT 3101K, CIVT 3201K, MATH 2111, and (ENGT 2101K or ENGR 2770)

**CIVT 3501** **Civil Engineering Computing Practices** **3 Credits** **(3-0-3)**

A study of civil engineering software applications utilizing latest software packages. Emphasis will be on software that is used in local industry and the department of transportation. Course content will vary based on software packages used in the class.

*Prerequisite(s):* Junior Standing or Consent of the Instructor

**CIVT 3601K**                      **Soil Mechanics & Foundation Design**                      **4 Credits**                      **(3-2-4)**  
A study of engineering properties of soil as a construction material and foundations for buildings. Topics include the soil classifications, Atterberg limits, shear strength, consolidations and settlement. This knowledge is then 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 4201K**                      **Environmental Engineering I**                      **4 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 4211**                      **Environmental Engineering II**                      **3 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, composting, sanitary land filling; recycling; hazardous waste management types; RCRA, CERCLA and others; treatment and disposal methods; air pollution (air pollutants and interaction products); and preventive and control measures.  
*Prerequisite(s):* CIVT 4201K or the consent of the instructor.

**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

**COMM 1000**                      **Mass Communications Colloquium**                      **2 Credits**        **(2-0-2)**  
Entering freshmen take this course as a first-year experience learning opportunity to gain exposure to foundations for college success, campus resources, and journalism and mass communications-specific content as an introduction to the major.

**COMM 2101**                      **Writing for Multimedia**                      **3 Credits**        **(3-0-3)**  
This hands-on sampler course introduces students to the definition of news and basic news reporting and writing, including the use of Associated Press style. Students learn basic video scriptwriting and video production. The principles of information-gathering and writing for public relations and advertising, including the news release, are introduced. Students are expected to learn and practice the theories of journalism and public relations according to the highest professional standards.  
*Prerequisite(s):* ENGL 1101 and ENGL 1102

**COMM 2105**                      **Mass Media & Society**                      **3 Credits**        **(3-0-3)**  
General examination of the foundations, organization, control, and current status of the media. Economic and social impact of the media (radio, television, newspapers, books, magazines, and comics) is surveyed. Broad comparisons of the American with foreign media systems are included.

**COMM 2106**                      **African-Americans in the Media**                      **3 Credits**        **(3-0-3)**  
A survey of the history, the contributions, representation, and portrayal of African-Americans and other minorities in the media. Assessment of the impact of such portrayal on social, political, and cultural interactions.

**COMM 2107**                      **Women in the Media**                      **3 Credits**        **(3-0-3)**  
A survey of the history, the contributions, representation, and portrayal of women in the media. Assessment of the impact of such portrayal on social, political, and cultural interactions.

**COMM 2810**                      **Introduction to Communication Research**                      **3 Credits**        **(3-0-3)**  
An introduction to social science research concepts and techniques in the study of the mass media. Survey of quantitative research methods in the media situations and media rating services.

**COMM 3101**                      **Media Arts & Design**                      **3 Credits**        **(3-0-3)**  
The development of basic skills in graphics for print and television. The course introduces students to the practice of image making and new technologies. It includes layout, page design, and other graphic elements necessary for public relations and advertising campaigns.

**COMM 3102**                      **Photography for Multimedia**                      **3 Credits**        **(3-0-3)**  
This hands-on course teaches the essential skills of making photographic images for journalism applications from print and online text stories to video stories. Skills taught include framing, lighting, angles, action, content and the like.

**COMM 3105**                      **News Writing & Reporting**                      **3 Credits**        **(3-0-3)**  
The course focuses on real-world beat and specialty news reporting using the techniques including interviewing, observation and data evaluation. Students learn to identify credible information sources including people, documents and online data. They practice representing that information comprehensively, accurately and fairly in text stories and multimedia production. (Prerequisite: COMM 2101)  
*Prerequisite(s):* COMM 2101

**COMM 3110**                      **Layout and Design**                      **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.

*Corequisite: COMM 3401*

**COMM 3120 Introduction to Communications Theory 3 Credits (3-0-3)**

An overview of the major concepts and applications of human mass communications theories. While interpersonal and intercultural communications will be examined, applications of the theories and concepts in the mass media will be emphasized.

**COMM 3130 History of Journalism 3 Credits (3-0-3)**

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

**COMM 3201 Feature Reporting and Writing 3 Credits (3-0-3)**

In this practical course, students write in several forms, including the news feature, the profile, the trend-analysis story, data-based investigations and the self-immersion story. Students use the production of multimedia elements such as videos, still photographs, charts and maps to expand and enhance text storytelling. Students discuss freelancing stories for specific audiences and print and online publications.

*Prerequisite(s): COMM 3105*

**COMM 3301 Introduction to Multimedia Production 3 Credits (3-0-3)**

This course is designed to provide students with an introduction to the disciplines and techniques involved in producing content for broadcast television, broadcast radio, and digital platforms including the internet. The course will also give students a basic operating knowledge of the terminology used in broadcast and digital media.

*Prerequisite(s): COMM 2105*

**COMM 3302 Speech for Multimedia 3 Credits (3-0-3)**

A course designed to teach the basic techniques of radio and television broadcasting. Emphasis on news casting, advertising, sports casting, and announcing formats.

**COMM 3303 Scriptwriting for Multimedia 3 Credits (3-0-3)**

Scriptwriting for Radio and Television provides practical experience in writing various forms used in broadcast and film media and provides students with exposure to professional audio and video production equipment and techniques.

*Prerequisite(s): COMM 2101*

**COMM 3305 Introduction to Film Production 3 Credits (3-0-3)**

Provides students a working knowledge of the disciplines and techniques involved in film production including a basic operating knowledge of the terminology and equipment used in the film industry.

*Prerequisite(s): COMM 3901*

**COMM 3306 Introduction to Audio Production 3 Credits (3-0-3)**

Designed to provide students with a working knowledge of the disciplines and techniques involved in radio and other professional audio production systems. The course will also give students a basic operating knowledge of professional audio equipment and technology and appropriate terminology.

**COMM 3401 Introduction to Public Relations & Strategic Communication 3 Credits (3-0-3)**

An introduction to the role of public relations and advertising in our society, how “publics” and markets are determined and targeted, the different types of public relations fields, the use of public relations in image packaging, the use of advertising in selling goods and services, and the relationship of advertising agencies to advertisers and media.

*Prerequisite(s): COMM 2101*

*Corequisite: COMM 3110*

<b>COMM 3402</b>	<b>Advertising Media Sales &amp; Purchases</b>	<b>3 Credits</b>	<b>(3-0-3)</b>
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.			
<b>COMM 3901</b>	<b>History of Film</b>	<b>3 Credits</b>	<b>(3-0-3)</b>
Class sessions are informal. The instruction process is lecture by the instructor, guest lecturers, out of class procedural demonstrations, examination and viewing of various film genres, and exercises by the class in various production situations. Student and group projects will be conducted in and outside of the regular class period.			
<b>COMM 3951</b>	<b>Special Topics</b>	<b>3 Credits</b>	<b>(3-0-3)</b>
Special Topics in Mass Communication			
<b>COMM 4101</b>	<b>Strategic Communication Writing</b>	<b>3 Credits</b>	<b>(3-0-3)</b>
Principles and practices of planning, preparing, and writing effective advertising messages for newspapers, magazines, industrial publications, the trade press, radio, television, mail order, and billboards. Analysis and critique of current advertisements. Copy and product tests in relation to markets.			
<b>COMM 4105</b>	<b>Opinion and Editorial Writing</b>	<b>3 Credits</b>	<b>(3-0-3)</b>
In this course, students practice the techniques of column and editorial writing and also the crafting of reviews of movies, food and the like. Students generate ideas, conduct research and write journalistic essays suitable for publication in print and online news media.			
<i>Prerequisite(s):</i> COMM 3105 or COMM 3303 or COMM 3401			
<b>COMM 4106</b>	<b>Communications Practicum</b>	<b>3 Credits</b>	<b>(3-0-3)</b>
Intensive field and laboratory practice on video, audio, or print projects under faculty supervision.			
<i>Prerequisite(s):</i> COMM 3201 or COMM 4101 or COMM 4107			
<b>COMM 4107</b>	<b>Advanced Video &amp; Post Production</b>	<b>3 Credits</b>	<b>(3-0-3)</b>
Advanced instruction and practice in television production, including directing, programming, and equipment.			
<i>Prerequisite(s):</i> COMM 3301			
<b>COMM 4108</b>	<b>Film &amp; Television Directing</b>	<b>3 Credits</b>	<b>(3-0-3)</b>
This course is designed to provide students with a working knowledge of the disciplines and techniques involved in the directing process for film and television, and will give students a basic operating knowledge of the terminology used in directing film and television production.			
<i>Prerequisite(s):</i> COMM 3301 or COMM 3305			
<b>COMM 4109</b>	<b>Multimedia News Production</b>	<b>3 Credits</b>	<b>(3-0-3)</b>
This course is designed to provide students with the skills to plan and produce all the production elements of a broadcast news program. Course content will consist of writing, shooting and editing material for news programs for broadcast television, broadcast radio, and digital platforms including the internet.			
<i>Prerequisite(s):</i> COMM 3301			
<b>COMM 4110</b>	<b>Audio Production and Sound Design</b>	<b>3 Credits</b>	<b>(3-0-3)</b>
Advanced instruction and practice in audio production, including directing, programming, and equipment.			
<i>Prerequisite(s):</i> COMM 3301			
<b>COMM 4111</b>	<b>Film &amp; Television Editing</b>	<b>3 Credits</b>	<b>(3-0-3)</b>
This course will provide students with an introduction to linear and non-linear editing processes for film and television.			
<i>Prerequisite(s):</i> COMM 3301 or COMM 3305			
<b>COMM 4112</b>	<b>Commercial Recording</b>	<b>3 Credits</b>	<b>(3-0-3)</b>

This course will provide students with experiences in recording for the broadcast and music industries. Commercials, music video production, music production, and public service announcements will be examined. New approaches to digital music production and software usage in the music industry will also be covered.  
*Prerequisite(s):* COMM 3306

**COMM 4113**    **Advanced Post-Production Techniques**    **3 Credits**                      **(3-0-3)**  
This course will provide students with advanced techniques for the non-linear editing processes for film and television. This course will give students expert operating knowledge of the terminology used in the post-production process of film and television productions.  
*Prerequisite(s):* COMM 4111 or COMM 4112

**COMM 4115**    **Independent Study**    **3 Credits**                      **(3-0-3)**  
Directed individual work under the guidance of various faculty members.  
*Prerequisite(s):* Permission of the instructor

**COMM 4170**    **Advanced Journalism**    **3 Credits**                      **(3-0-3)**  
In this course, students learn to report and write length in text forms including trend-analysis using data-based investigations. Multimedia elements enlarge and enhance text stories. Students are expected to observe the highest standards of professionalism and ethical practice and to target their stories at journalism's best publications, in print and online. *Prerequisite(s):* COMM 3201

**COMM 4201**    **Copy Editing**    **3 Credits**                      **(3-0-3)**  
This course focuses on the traditional definition of copy editing: the reading of text stories for the mechanics of grammar, punctuation, spelling and syntax, the use of Associated Press, organization and style. It also emphasizes fact-checking for accuracy, comprehensiveness, and fairness in text stories and multimedia. A third focus is the editor's thinking and decision-making process in writing headlines and captions and making assignments for text stories and multimedia elements.  
*Prerequisite(s):* COMM 3105

**COMM 4211**    **Newspaper Production**    **3 Credits**                      **(3-0-3)**  
Copy editing, headline writing and newspaper layout. Emphasis upon the principles and skills involved in producing a newspaper by the off-set of cold type method.  
*Prerequisite(s):* Prior approval of instructor

**COMM 4402**    **Strategic Campaign Principles**    **3 Credits**                      **(3-0-3)**  
Analysis of contemporary public relations and advertising issues. Development of public relations and advertising campaigns involving research, planning, preparation and presentation for various types of public relations and advertising organizations. Problem-solving and decision-making techniques.  
*Prerequisite(s):* COMM 3401 and COMM 4101

**COMM 4406**    **Strategic Campaign Production**    **3 Credits**                      **(3-0-3)**  
An intensive, hands-on course that stresses the production of professional quality public relations and/or advertising materials pre- approved or specified by the instructor. Students work in groups, but meet as a class with instructor for critiques. Focuses on products that meet professional standards in content, style, and quality.  
*Prerequisite(s):* COMM 3401 and COMM 4101

**COMM 4705**    **Media Ethics & the Law**    **3 Credits**                      **(3-0-3)**  
Study of the laws affecting American media, including the concept of freedom of speech and press, federal regulatory agencies, libel, slander, copyright, and invasion of privacy.  
*Prerequisite(s):* Junior or Senior Standing

**COMM 4810**    **Advanced Communication Research**    **3 Credits**                      **(3-0-3)**  
A continuation of COMM 2810: Introduction to Communications Research  
*Prerequisite(s):* COMM 2810

**COMM 4815** **The Documentary** **3 Credits (3-0-3)**

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.

**CRJU 3111** **American Court System** **3 Credits (3-0-3)**

An examination of the history, philosophy and basic concepts of the legal system; the organization and jurisdiction of federal, state, and local courts; and the legal process from inception to appeal.

*Prerequisite*: CRJU 1101 and/or CRJU 2102

**CRJU 3121** **American Corrections** **3 Credits (3-0-3)**





<b>CRJU 4111</b>	<b>Criminology</b>	<b>3 Credits</b>	<b>(3-0-3)</b>
A study of criminal behavior and its impact on society, overview of major theories and crime causation and empirical findings about numbers of crimes and the characteristics of offenders and victims.			
<i>Prerequisite(s):</i> CRJU 1101, CRJU 2102, CRJU 3610			
<b>CRJU 4301</b>	<b>Jurisprudence of Criminal Law</b>	<b>3 Credits</b>	<b>(3-0-3)</b>
An examination of the nature and scope of criminal law; the classification and analysis of crimes and the examination of specific offenses, justifications, excuses, and other defenses.			
<i>Prerequisite(s):</i> CRJU 1101, CRJU 2102, CRJU 3111, CRJU 3121, and/or CRJU 3610			
<b>CRJU 4311</b>	<b>Juvenile Justice</b>	<b>3 Credits</b>	<b>(3-0-3)</b>
A study of children in the legal system, including issues and problems concerned with the social control and protection of young persons; the role and responsibilities of the juvenile court, law enforcement, and corrections.			
<i>Prerequisite(s):</i> CRJU 1101, CRJU 2102, CRJU 3111, CRJU 3121, and/or CRJU 3610			
<b>CRJU 4331</b>	<b>Comparative Criminal Justice Systems</b>	<b>3 Credits</b>	<b>(3-0-3)</b>
An analysis of the design, operation, and legal basis for systems of justice in other countries, governmental, political, demographic, and economic factors in past and current trends in the adjudication of offenders; cross-cultural analysis of causes of crime and systems of justice.			
<i>Prerequisite(s):</i> CRJU 1101 and/or CRJU 2102 and/or CRJU 3610			
<b>CRJU 4411</b>	<b>Criminal Investigations</b>	<b>3 Credits</b>	<b>(3-0-3)</b>
An explanation of the history, theories, and procedures for investigating crimes.			
<i>Prerequisite(s):</i> CRJU 1101, CRJU 2102, and/or CRJU 3610			
<b>CRJU 4420</b>	<b>Crime Analysis</b>	<b>3 Credits</b>	<b>(3-0-3)</b>
Examination of various approaches to crime analysis and its effect on planning for criminal justice and related programs.			
<i>Prerequisite(s):</i> CRJU 1101 and/or, CRJU 2102 and/or, CRU 3610			
<b>CRJU 4501</b>	<b>Violence, Crime &amp; Justice</b>	<b>3 Credits</b>	<b>(3-0-3)</b>
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.			
<i>Prerequisite(s):</i> CRJU 1101 and/or, CRJU 2102 and/or, CRJU 3610			
<b>CRJU 4521</b>	<b>Criminal Justice Management</b>	<b>3 Credits</b>	<b>(3-0-3)</b>
A focus on issues in the organization and management of criminal justice agencies, including police departments, prosecutors' offices, courts, jails, prisons, and community corrections.			
<i>Prerequisite(s):</i> CRJU 1101 and/or, CRJU 2102 and/or, CRJU 3610			
<b>CRJU 4901</b>	<b>Senior Seminar</b>	<b>3 Credits</b>	<b>(3-0-3)</b>
Selected topics of current interest. Critical analysis of current research literature and development of action projects by seminar members.			
<i>Prerequisite(s):</i> CRJU 1101, CRJU 2102, CRJU 3111, CRJU 3121, CRJU 3131, CRJU 3610, CRJU 4301 and/or SOCI 2102			

## **Computer Science Technology**

<b>CSCI 1130</b>	<b>Computer &amp; Its Applications</b>	<b>3 Credits</b>	<b>(3-0-3)</b>
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An introductory course specially designed to help students become computer literate. The course covers the history of computers, hardware, software, and use of the state-of-the-art technology. Another unique feature of this course is that 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

**CSCI 1610 Programming in Java 4 Credits (4-0-4)**

An introduction to Java, which is a simple, object-oriented, distributed, interpreted, robust, secure, architecture-neutral, portable, high-performance, multithreaded and dynamic language. The course includes extensive use of classes, support of networking, basic data structures, abstract data type, recursion, and searching and sorting.

*Prerequisite(s):* MATH 1113

**CSCI 2215 Perl Scripting 4 Credits (4-0-4)**

Designed to teach students how to use PERL (Practical Extraction and Reporting Language) for Web/CGI scripting.

*Prerequisite(s):* CSCI 1301

**CSCI 2231K Introduction to UNIX 3 Credits (2-2-3)**

An introduction to UNIX operating system, which will provide a convenient and consistent interface to the wide variety of peripheral devices that are connected to the computer. Students learn history and fundamentals of SUN Operating System, by entering commands using Shell, the UNIX file systems; text file utilities. VI editor, Shell scripts, AWK (Aho, Weingenger, Kernighan) programming language, and Local Area Networking Utilities.

*Prerequisite(s):* CSCI 1301 or CSCI 1371

**CSCI 3000 Data Structure & Algorithm Design 3 Credits (3-0-3)**

Introduction to computation complexities, object-oriented programming, and basic data structures; lists, stacks, trees, recursion, and graphs.

*Prerequisite(s):* CSCI 1301 and CSCI 1302

**CSCI 3102 Visual Basic 3 Credits (3-0-3)**

An introduction to Visual Basic and Windows 95 applications. Topics include Form, List Box, Text Box, Scroll Bars, Menu and other windows resources.

*Prerequisite(s):* CSCI3000

**CSCI 3210 Advanced Java 3 Credits (3-0-3)**

An introduction to Java and Web page programming. Students write basic Java applets.

*Prerequisite(s):* CSCI 3000 and CSCI 1610

**CSCI 3414** **Software Engineering** **3 Credits** **(3-0-3)**

A course designed to introduce basic principles of software engineering, the process of producing a software product, project planning, development, and management. Each student is expected to walk through the complete process by implementing a software project.

*Prerequisite(s):* CSCI 3000

**CSCI 3385K** **Computer Network & Design** **3 Credits** **(2-2-3)**

Introduction of distributed system architecture, data transmission, protocol levels, types of network layers, terminal based networks, modems, and multiplexers. A unique feature of this course is that students set up a LAN using Windows Server, Linux operating System and Cisco hardware. The course provides hands-on experience for students.

*Prerequisite(s):* CSCI 1301 or CSCI 1371

**CSCI 3800** **Computer Architecture** **3 Credits** **(3-0-3)**

Introduction to computer architecture systems; quantifying cost and performance; instruction set architecture; program behavior and measurement of instruction set use; processor data paths and controls; instructions set architectures and assembly language, I/O devices, controllers and drivers; I/O and system performance.

*Prerequisite(s):* CSCI 3000

**CSCI 4110** **Operating Systems** **3 Credits** **(3-0-3)**

Study of process control, CPU scheduling, primary memory management, and secondary memory management.

*Prerequisite(s):* CSCI 3000

**CSCI 4210** **Data Base Management** **3 Credits** **(3-0-3)**

Introduction to database application design. Topics include problem analysis, various data models, implementation, using Microsoft access, forms, reports, SQL, and database programming.

*Prerequisite(s):* CSCI 3000

**CSCI 4410** **Web Based Programming** **3 Credits** **(3-0-3)**

Introduction to web server programming, Internet information server object: Request, Response, Application, Server session. Programming skills via using basic server objects, including working with data source like Access, SQL server. *Prerequisite(s):* CSCI 3000

**CSCI 4510** **Artificial Intelligence** **3 Credits** **(3-0-3)**

Introduction of basic concepts in artificial intelligence. Topics include optimal search, learning algorithms, various neural network architecture and various software.

*Prerequisite(s):* CSCI 3000

## **Data Analytics**

**DATA** **Data Analytics in Transportation and Logistics** **3 Credits** **(3-0-3)**

**2113/CIVT  
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

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

**3109/CISM  
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.

*Prerequisite:* MATH 1113 and CISM 1130 or CSCI 1130 and BUSA 2182 or SOCI 2101 or MATH 1401

**DATA** **Business Intelligence** **3 Credits** **(3-0-3)**  
**3010/CISM**  
**3010**

The aim of this hands-on course is to provide an integrative foundation in the field of business intelligence at the operational, tactical, and strategic levels, and to provide students with an understanding of several data analytics techniques. Students will learn how these tools may be used to analyze complex business problems and identify rational solutions.

*Prerequisites:* MATH 1113 and CISM/CSCI 1130 and BUSA 2182 or SOCI 2101 or MATH 1401

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

**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 3109/DATA 3109 and CISM 3111/DATA 3111) or (BUSA 2182 and MATH 3000)

**DATA** **Data Visualization** **3 Credits** **(3-0-3)**  
**3190/ENGT**  
**3190**

An important skill that a data analyst should possess is to communicate practical implications of any data set after performing quantitative analysis of the information. Using technical means and software tools to communicate the information in a non-technical manner will help firms to make meaningful decision. Data visualization requires students to become familiar with technologies in use, streamline the analysis, and highlight implications efficiently using tools such as Python and R.

*Prerequisite:* MATH 1113 and CSCI 1130 or CISM 1130

**DATA** **Big Data Analysis in the Sciences** **3 Credits** **(3-0-3)**

## **3560/MSCI**

### **3560**

A course in basic quantitative and analytical tools used to understand large sciences datasets, primarily using examples from the geosciences. Students will gain confidence in both the interpretation of presented data as well as the application of tools used for a variety of data types. Concepts covered will include sampling theory and design, plotting and visualizing data, basic data analysis techniques in Excel and MatLab, linear regression and curve fitting, time-series analysis, introduction to geoscience models, management of large data sets, and scripting in at least one software program typically used in geosciences (e.g., MatLab, R, etc.). This course will use example data sets commonly collected from ocean observatories, satellite remote sensing, data loggers, tagging and tracking experiments, moorings, current meters, long-term climate data sets, and other common types of science data.

Prerequisite: BIOL 1107 or ENVS 2401 or MSCI 2010K or MATH 1113 or CISM/CSCI 1130

## **Dance**

### **DNCE 1000    Dance Forum    0 Credits    (0-0-0)**

Dance Forum is a required weekly meeting involving all dance majors and minors enrolled in dance technique classes. This forum gathers the student body to engage in enriching discussions, processes for presenting work, creating, sharing and adjudicating dance, and networking opportunities with dance professional's activity in the field for aster classes, workshops, lectures and insight into careers in dance.

### **DNCE 1501    Dance Fundamentals    2 Credits    (2-0-2)**

This developmental course builds upon the techniques of dance. The course is designed to further implement modern and jazz technique using contemporary ballet, jazz and modern principles. The class will be taught as an intensive to proper dance structure, balance, fluid movement and physical development. Students must successfully accomplish all outcomes based on goals and objectives.

### **DNCE 2010    Dance Appreciation    3 Credits    (3-0-3)**

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 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 2600    Ballet I    3 Credits    (3-0-3)**

Ballet is an early 19th century dance style based on formalized movements and positions of the arms, feet and body designed to enable the dance to move with the greatest possible agility, control, speed, lightness, and grace. This course is designed to introduce students to fundamentals of contemporary ballet. Students will embody and practice basic ballet positions and steps using proper alignment through strengthening and conditioning.

*Prerequisite(s):* DNCE 1501 or special permission

### **DNCE 2851    Performance Dance Ensemble    1 Credit    (1-0-1)**

This course is professional and performance training class. Students are developed through the official Savannah State University Dance Ensemble. The class will serve as the official technique, developmental, and rehearsal intensive course.

*Prerequisite(s):* DNCE 1501

*Corequisite:* DNCE 1000

**DNCE 2855 Performance Dance Ensemble 1 Credit (1-0-1)**

This course is professional and performance training class. Students are developed through the official Savannah State University Dance Ensemble. The class will serve as the official technique, developmental, and rehearsal intensive course.

*Prerequisite(s):* DNCE 1501

*Corequisite:* DNCE 1000

**DNCE 2900 Modern I 3 Credits (3-0-3)**

This class is designed for the advanced beginner student. Students will expand their comprehension and apply the principles of Modern dance using the influence of a variety of codified movement techniques to include classical modern such as Lester Horton technique, and a contemporary fusion of fundamental principles from ballet.

*Prerequisite(s):* DNCE 1501 or special permission

**DNCE 3401 Jazz II 2 Credits (2-0-2)**

This course is a continuation of Jazz I and is the last succession or sequence of mastery in this genre. Jazz II prepares students for mastery level technical skills and concepts, increased flexibility and endurance, lengthier choreographic sequences and a deeper understanding of specific jazz styles related to theater and commercial dance. Students will practice technique across disciplines and embody selected Broadway musicals and fusion of contemporary dance. Students will encode, memorize and demonstrate jazz sequences and will synthesize different styles with performance proficiency.

*Prerequisite:* DNCE 3700

**DNCE 3501 Appreciation and History of Dance 3 Credits (3-0-3)**

This course surveys dance cultures in America and the relationship of dance to the identity and expression of different groups in the United States. Jazz, modern, ballet, and multi-cultural dance forms will be the focus of the class. The course includes guest lectures, film, videos, performing artists, reading, discussions, research papers and attending a dance performance.

**DNCE 3502 Dance History II 3 Credits (3-0-3)**

This course surveys the history of dance from an anthropological perspective. Students will explore the recorded beginnings of dance from West Africa, including expansions from the slave trade that created Caribbean and South American cultures. Students will also explore dances of North Africa and the Middle East; East Asia, to include China, Japan, Korea, Thailand and Java islands.

**DNCE 3662 Ballet II 3 Credits (3-0-3)**

This course increases development and intermediate level contemporary ballet technique.

*Prerequisite(s):* DNCE 2600

**DNCE 3700 Jazz I 3 Credits (3-0-3)**

This course equips students with jazz dance technique and an understanding of fundamentals in jazz styles related to theater and concert dance. Students will observe and practice technique as well as embody genres such as Broadway/American jazz, Latin jazz, and blues. Students will encode, memorize and demonstrate jazz sequences and will synthesize different styles with performance proficiency.

*Prerequisite(s):* DNCE 1501 or special permission

**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







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. Time documentation, evaluation forms and reflection papers are required.

**EDUC 2130/5130 Exploring Teaching and Learning 3 Credits (3-0-3)**

This course examines the knowledge, skills and dispositions of effective teachers. Course topics include characteristics of effective teachers; knowing your diverse students; instructional planning; differentiating instruction; teacher-centered and student-centered instructional strategies; strategies to promote student understanding, thinking and engagement; managing lesson delivery; classroom management and discipline; assessing and reporting student performance; and working with colleagues and parents. Current use of technology will be integrated as communication and instructional tools. There are 10 field experience hours in this course. Time documentation, evaluation form, and reflection paper is required.

**EDUC 2140 Exploring Global Issues in Education 3 Credits (3-0-3)**

This course is a guided field experience designed to immerse students in global issues challenging the educational community worldwide, from both academic and experiential perspectives. Through guided studies and field experiences abroad, students will gain a greater appreciation of the challenges faced by emerging nations that include the effects of poverty, exceptionality, race, ethnicity, language and gender on access to quality education and equitable life chances. By studying and completing a field experience abroad, students will gain insights into linkages between education and national development, as well as the impact of national, multinational, NGO organizations and global civil society's role in nation building.

**EDUC 3030/5030 Teaching Exceptional Learners 3 Credits (3-0-3)**

This course is designed to prepare candidates to meet the educational, social, and behavioral needs of diverse students, including those with a full range of disabilities and gifted students. Current information on legislative mandates for serving exceptional students, characteristics of exceptionality, and best practices in teaching exceptional individuals will be addressed. There are 60 field experience hours required in this course.  
*Prerequisite(s):* Admission to Teacher Education.

**EDUC 3040/5040 Classroom Management & Ethics of Teaching 3 Credits (3-0-3)**

This course engages students in the design of effective instruction that supports classroom management to maximize learning. Communicating clear expectations, responding to behaviors, and effectively managing and maintaining a safe learning environment are addressed. The ethics and dispositions required for the teaching profession are a focus of this course.  
*Prerequisite(s):* Admission to Teacher Education Program.

<b>EDUC 3200/5200</b>	<b>Curriculum and Assessment</b>	<b>3 Credits</b>	<b>(3-0-3)</b>
<p>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. There are 60 field experience hours required in this course. <i>Prerequisite(s)</i>: Admission to Teacher Education.</p>			
<b>EDUC 3300</b>	<b>Teaching the Four Skills: Reading, Writing, Listening, and Speaking</b>	<b>3 Credits</b>	<b>(3-0-3)</b>
<p>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).</p>			
<b>EDUC 4000</b>	<b>Special Topics</b>	<b>1-13 Credits</b>	<b>(V-0-V)</b>
<p>This course focuses on topics in education or topics in the major content area of education.</p>			
<b>EDUC 4475</b>	<b>Student Teaching/Clinical Practice</b>	<b>10 Credits</b>	<b>(10-0-10)</b>
<p>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). <i>Prerequisite(s)</i>: Admission to Teacher Education.</p>			
<b>EDUC 4476</b>	<b>Student Teaching Seminar</b>	<b>2 Credits</b>	<b>(2-0-2)</b>
<p>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. <i>Prerequisite(s)</i>: Admission to Teacher Education.</p>			
<b>EDUC 5030/3030</b>	<b>Teaching Exceptional Learners</b>	<b>3 Credits</b>	<b>(3-0-3)</b>
<p>This course is designed to prepare candidates to meet the educational, social, and behavioral needs of diverse students, including those with a full range of disabilities and gifted students. Current information on legislative mandates for serving exceptional students, characteristics of exceptionality, and best practices in teaching exceptional individuals will be addressed. Field hours are required. <i>Prerequisite(s)</i>: Admission to Teacher Education.</p>			
<b>EDUC 5040/3040</b>	<b>Classroom Management &amp; Ethics of Teaching</b>	<b>3 Credits</b>	<b>(3-0-3)</b>
<p>This course engages students in the design of effective instruction that supports classroom management to maximize learning. Communicating clear expectations, responding to behaviors, and effectively managing and maintaining a safe learning environment are addressed. The ethics and dispositions required for the teaching profession are a focus of this course. <i>Prerequisite(s)</i>: Admission to Teacher Education Program.</p>			
<b>EDUC 5130/2130</b>	<b>Exploring Teaching and Learning</b>	<b>3 Credits</b>	<b>(3-0-3)</b>
<p>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</p>			

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. 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.

**EDUC 5200/3200 Curriculum and Assessment 3 Credits (3-0-3)**

This course focuses on the foundation of curriculum and assessment with a focus on alignment of instruction and assessment to learning outcomes. Formative and summative assessments and documenting and interpreting student achievement data through the use of technology will be studied. Field hours are required.

*Prerequisite(s):* Admission to Teacher Education.

**EDUC 5201 Literacy in the Content Areas 3 Credits (3-0-3)**

This course examines effective strategies to address literacy and adapt instruction in multiple contexts to meet the needs of diverse learners with a focus on ESOL students and students with reading challenges.

*Prerequisite(s):* Admission to Teacher Education.

**EDUC 5310 Introduction to Urban Education 3 Credits (3-0-3)**

This course provides an introduction to urban learners, urban teaching, and urban school systems using case studies and first-person accounts of teaching and learning in an urban environment. The course also examines: the history of urban education in the United States; current issues facing urban P-12 students, teachers, schools, districts, and communities will be discussed; society's responsibility to urban schools; and the roles that teachers and schools play in increasing student achievement and leading school improvement. (GaPSC Standard 1, 6)

**EDUC 5320 Multicultural Education in Urban America 3 Credits (3-0-3)**

This course explores the cultural, social, political, and economic realities of our complex pluralistic society in relation to our education system. The history of multicultural education will be examined along with current understandings of culturally responsive pedagogies. Through course readings and online discussions, students will understand the role of critical, analytic and evaluative abilities to deal with racism, sexism, value clarification, power and access in schooling. (GaPSC Standard 3, 5)

**EDUC 5330 Culturally Relevant Classroom Management and Language Engagement in Urban Classrooms and Communities 3 Credits (3-0-3)**

This course is designed to help teachers create and maintain caring, respectful classroom communities in which learners feel safe, valued, cared about, respected, and empowered. The course includes a strong emphasis on developing knowledge about the culture and backgrounds of children and families in order to establish positive interactions within the classroom community. When teachers create these kinds of environments learners are academically engaged. This course also introduces the study of multilingualism, language development, and language engagement methodologies for teaching in linguistically and culturally diverse educational settings and communities (GaPSC Standard 2, 4, 5)

**EDUC 5400 Methods in Education with Practicum 3 Credits (3-0-3)**

This course is designed to provide teacher candidates with research, standards-based planning, instruction, and assessment strategies differentiated by the grade range and certification field. Practicum hours are required in a school setting in the specific content area(s) and in the grade range.

*Prerequisite(s):* Admission to Teacher Education.

**EDUC 5475 Student Teaching/Internship with Seminar 3 Credits (3-0-3)**

Teacher candidates will engage in this culminating school-based, content-specific teaching experience at the certification grade level(s) under the supervision of a cooperating teacher and university supervisor. A Georgia



**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 3420**                      **Education and International Development**                      **3 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**                      **(3-0-3)**  
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**

**ELET 3101K**                      **Electric Circuit I**                      **4 Credits**                      **(3-2-4)**  
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**                      **4 Credits**                      **(3-2-4)**

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 4 Credits (3-2-4)**

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

**ELET 3401K Microcomputer Interfacing 4 Credits (3-2-4)**

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 Machinery 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 (3-2-4)**

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 wiring, 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                                      Instrumentation and Measurement                                      3 Credits                      (2-2-3)**

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 and 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, multiplexers, demultiplexers, and distribution system. Laboratory work parallels classroom instruction.

*Prerequisite(s):* CSCI 3385K

**ELET 4612K                                      Industrial Automation and Process Control                                      3 Credits                      (2-2-3)**

An introduction to Industrial Automation and Process Control. The course will provide comprehensive and accessible coverage of the evolving field of mechatronics for electrical engineering technology students. Students will explore programmable logic controllers, sensors, robotics, process control, and computer numerical control machines – all which are fundamental to the understanding of Industrial Automation and Process Control.

*Prerequisite(s):* ELET 4101K

**ELET 4621K                                      Digital Communications                                      4 Credits                      (3-2-4)**

Sampling, coding, decoding, and digital multiplexing. The course will also cover the networking essential concepts, with emphasis on Microsoft Networking system.

*Prerequisite(s):* ELET 3311K

## **English**

**ENGL 0999                                      Composition Support I                                      1 Credit                      (1-0-1)**

This course is designed to support students who are enrolled in ENGL 1101. ENGL 0999 provides students with support and skill development to improve their readiness for the college-level writing in the co-requisite ENGL 1101. Students in ENGL 0999 will practice grammar, mechanics, usage, organization and the writing process, as well as receive individualized assistance with writing assignments for ENGL 1101. A grade of "C" or higher in ENGL 1101 indicate the student has completed requirements for the course. Students who do not successfully complete the requirement for ENGL 1101, must re-enroll in ENGL 0999 and ENGL 1101 the next semester (Institutional Credit Only).

**ENGL 1101                                      English Composition I                                      3 Credits                      (3-0-3)**

A course designed to develop college-level reading and writing skills. Focuses on vocabulary, analysis of readings, grammar, mechanics, and the steps of the writing process. Introduces documented research and various patterns of organization and development. Minimum passing grade is "C."

*Prerequisite(s):* Regular admission or corequisite with ENGL 0999

**ENGL 1102                                      English Composition II                                      3 Credits                      (3-0-3)**

A course designed to further develop college-level reading and writing skills. Includes analysis of literary texts and specialized application of the research and writing skills learned in ENGL 1101. Minimum passing grade is "C."

*Prerequisite(s):* ENGL 1101

**ENGL 1104                                      Exploring the English Major                                      1 Credit                      (1-0-1)**

This introductory course to the English major or minor is designed to showcase what is interesting and exciting about the critical study of writing, literature, film, and other language arts, as well as introducing the undecided student to the broad range of careers available to the English major.









**ENGL  
3219/AFRS  
3219**

**African-American Nonfiction**

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

A study of African-American nonfiction including slave narratives, political speeches, cultural essays, memoirs, and other life writing. It may cover such authors as W.E.B. DuBois, Ida B. Wells, Alex Haley, Alice Walker, Barack Obama, Ta-Nehisi Coates, John Edgar Wideman, and others.

*Prerequisite(s)*: ENGL 2105 and ENGL 2220 or ENGL 2140 and, as a prerequisite or co-requisite, ENGL 3010 or permission of the instructor

**ENGL 3310 American Literature from Contact Period and Colonial Period 3 Credits (3-0-3)**

An examination of the development of literature produced in North America from the earliest contact between Native peoples and European explorers to the dawn of the American Revolution.

*Prerequisite(s)*: ENGL 2130 or ENGL 2131 and, as a prerequisite or co-requisite, ENGL 3010, or consent of the instructor.

**ENGL 3311 American Literature from Revolution to Civil War 3 Credits (3-0-3)**

A study of literary works written in the United States by writers active between 1776 and 1861.

*Prerequisite(s)*: ENGL 2130 or ENGL 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 ENGL 2132 and, as a prerequisite or co-requisite, ENGL 3010, or consent of the instructor

**ENGL 3313 Postmodern American Literature 3 Credits (3-0-3)**

An examination of significant literary works produced in the US since 1950, with an emphasis on writers who push the boundaries of conventional literary practice.

*Prerequisite(s)*: ENGL 2130 or ENGL 2132 and, as a prerequisite or co-requisite, ENGL 3010, or consent of the instructor

**ENGL 3321 Introduction to Language Study 3 Credits (3-0-3)**

A general survey of linguistics, with emphasis on sociolinguistics, the historical development of the English language, and the structure of contemporary English.

*Prerequisite(s)*: ENGL 1102

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

A survey of the history and major currents of literary expression in America as represented in the American novel. Intended for English Majors and will provide further practice in textual analysis, close reading, and the conventions of literary study and terminology.

*Prerequisite(s)*: ENGL 2130 or ENGL 2132 and, as a prerequisite or co-requisite, ENGL 3010, or consent of the instructor

**ENGL 3332 American Short Story 3 Credits (3-0-3)**

A genre-based survey examining the development and contexts of the short story as a literary form in American Literature. Includes such writers as Edgar Allan Poe, Nathaniel Hawthorne, Willa Cather, Sherwood Anderson, Ernest Hemingway, Eudora Welty, Flannery O'Connor, John Updike, and Tim O'Brien, as well as contemporary authors of short fiction.

*Prerequisite(s)*: ENGL 2130, ENGL 2131 or ENGL 2132, and, as a prerequisite or co-requisite, ENGL 3010, or consent of the instructor

- ENGL 3335** **American Poetry** **3 Credits (3-0-3)**  
 A study of poetry written in America, with an emphasis on significant themes, techniques, and movements.  
*Prerequisite(s):* ENGL 2130, ENGL 2131 or ENGL 2132, and, as a prerequisite or co-requisite, ENGL 3010, or consent of the instructor
- ENGL 3339** **American Drama** **3 Credits (3-0-3)**  
 A study of the variety and development of drama in America, focusing both on theatre as a mode of national expression and on theatre as a reflection of humanity that readily crosses national boundaries. The course will situate modern and contemporary American drama in relationship to American theatre from the eighteenth century to the present.  
*Prerequisite(s):* ENGL 2130 or ENGL 2132, and, as a prerequisite or co-requisite, ENGL 3010, or consent of the instructor
- ENGL 3416** **Creative Nonfiction** **3 Credits (3-0-3)**  
 Guided practice in the writing of various forms of nonfiction (memoir or autobiography, personal essays, travel writing, cultural criticism) that are distinguished by the use of personal perspectives and literary techniques. Students will study and discuss examples by professional writers and other students, submit frequent writing projects, and hold frequent conferences with the instructor.  
*Prerequisite(s):* ENGL 1102
- ENGL 3417** **Introduction to Creative Writing: Poetry** **3 Credits (3-0-3)**  
 An introductory course with an emphasis on the craft of poetry writing. Students will explore and deconstruct a variety of poetic forms and conventions and engage in writing exercises that will help create their own poetry manuscript while building skill as writers.  
*Prerequisite(s):* ENGL 1102
- ENGL 3418** **Introduction to Creative Writing: Fiction** **3 Credits (3-0-3)**  
 An introductory course with an emphasis on the craft of fiction writing. Students will examine a variety of fiction texts in order to gain a theoretical understanding of the writing and reading of fiction which will allow them to analyze and critique fiction works.  
*Prerequisite(s):* ENGL 1102
- ENGL 3419** **Introduction to Technical Writing** **3 Credits (3-0-3)**  
 This course introduces students to the written, oral, and digital aspects of technical communication. Students will gain proficiency in the techniques of objective reporting on scientific and technical material; the conventions of technical exposition; rhetorical analysis; collaborative writing; the ability of completing tasks in the workplace; language use; and principles of various technical reports, including abstracts, proposals, presentations, and manuals.  
*Prerequisite(s):* ENGL 1102
- ENGL 3430** **Literary Editing, Publishing, and Marketing** **3 Credits (3-0-3)**  
 A course designed to introduce concepts and practices used in producing and marketing literary texts and to provide practical application of the skills needed for successful publishing.  
*Prerequisite(s):* ENGL 1102
- ENGL 3515** **World Drama** **3 Credits (3-0-3)**  
 A survey of important dramatic works from the Americas, Europe, Asia, and Africa.  
*Prerequisite(s):* ENGL 2105
- ENGL 3531** **World Novel** **3 Credits (3-0-3)**  
 A survey of significant novels in World Literature. The course will emphasize discussion of historical, religious, social, and cultural perspectives of the geographic areas and historical periods in which the literature was written.  
*Prerequisite(s):* ENGL 2105 and, as a prerequisite or corequisite, ENGL 3010, or consent of the instructor.

**ENGL 3535** **World Poetry** **3 Credits (3-0-3)**

A survey of world poetry in from ancient times through modern. The course will emphasize discussion of historical, religious, social and cultural perspectives of the geographic areas and historical periods in which the literature was written.

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

**ENGL 3538** **World Nonfiction** **3 Credits (3-0-3)**

A study of topics, trends, and hallmarks of contemporary international and multicultural nonfiction writing. The course will emphasize discussion of social and cultural perspectives of the geographic areas and historical periods in which the literature was written.

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

**ENGL 3800** **Peer Writing Tutor Seminar** **3 Credits (3-0-3)**

This course is designed to examine the theoretical and practical components of writing center work. This course will also introduce students to all facets of writing center consultation and administration.

*Prerequisite(s):* ENGL 1101 and ENGL 1102 with a B or better or ENGL 2104 with a B or better

**ENGL 3900** **Internship for English Majors** **3 Credits (3-0-3)**

This course is designed to give students practical experience working, researching, and/or studying in a public or private agency related to the field of English. Students will be supervised by the sponsoring agency as well as faculty advisor; all parties will work together to designate individual goals and responsibilities for each student. Intern positions may be obtained in any one of a broad range of relevant organizations, including but not limited to various media outlets, publishing and/or editing firms, non-profits, libraries, governmental agencies, educational and educational support facilities, and legal firms. Students must complete at least 100 hours of onsite work as well as additional writing and research assignments.

*Prerequisite(s):* ENGL 2105

**ENGL 4011** **Shakespeare** **3 Credits (3-0-3)**

An examination of dramatic and poetic works of William Shakespeare. Students will analyze a number of plays and poems as well as a selection of secondary and critical material.

*Prerequisite(s):* ENGL 2120 or ENGL 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 ENGL 2122 and, as a prerequisite or corequisite, ENGL 3010 or consent of the instructor.

**ENGL 4100** **Major Author** **3 Credits (3-0-3)**

An advanced course that provides an intensive scholarly study of the texts of a single major author (Faulkner, Swift, O'Connor, Chaucer, Morrison, Poe, Dickens, among others) within their literary and cultural contexts. Students will produce a sophisticated piece of researched literary analysis that takes into account the body of criticism on that writer.

*Prerequisite(s):* ENGL 3010 or consent of the instructor

<b>ENGL 4105</b>	<b>Advanced Playwriting</b>	<b>3 Credits</b>	<b>(3-0-3)</b>
An examination of techniques and strategies involved in writing works of drama and the application of those strategies by writing and revising original plays.			
<i>Prerequisite(s):</i> 3000-level writing course or consent of the instructor			
<b>ENGL 4121</b>	<b>American Women's Writing</b>	<b>3 Credits</b>	<b>(3-0-3)</b>
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.			
<i>Prerequisite(s):</i> ENGL 3010 or consent of the instructor			
<b>ENGL 4200</b>	<b>African Literature</b>	<b>3 Credits</b>	<b>(3-0-3)</b>
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.			
<i>Prerequisite(s):</i> ENGL 2105 and ENGL 2220 or ENGL 2140 or consent of the instructor			
<b>ENGL 4220</b>	<b>African-Caribbean Literature</b>	<b>3 Credits</b>	<b>(3-0-3)</b>
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.			
<i>Pre-requisite:</i> ENGL 3010 or consent of the instructor.			
<b>ENGL 4344</b>	<b>Southern Literature</b>	<b>3 Credits</b>	<b>(3-0-3)</b>
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.			
<i>Prerequisite(s):</i> ENGL 3010 or permission of the instructor			
<b>ENGL 4400-4410</b>	<b>Special Topics</b>	<b>3 Credits</b>	<b>(3-0-3)</b>
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.			
<i>Prerequisite(s):</i> ENGL 2105			
<b>ENGL 4415</b>	<b>Advanced Technical Writing</b>	<b>3 Credits</b>	<b>(3-0-3)</b>
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.			
<i>Prerequisite(s):</i> ENGL 3419 or permission of the instructor with writing sample			
<b>ENGL 4416</b>	<b>Creative Nonfiction Writing Seminar</b>	<b>3 Credits</b>	<b>(3-0-3)</b>
This course is designed to continue work in the craft and creation of creative non-fiction writing. In this seminar students will closely examine their writing and that of their peers, as well as a variety of creative and academic creative non-fiction texts in order to further a theoretical understanding of the writing and reading of creative non-fiction. Students will write intensely to produce works for peer critique in a workshop setting.			
<i>Prerequisite(s):</i> ENGL 3416 or permission of the instructor with writing sample			
<b>ENGL 4417</b>	<b>Poetry Writing Seminar</b>	<b>3 Credits</b>	<b>(3-0-3)</b>



**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**                                      **Digital Design Lab**                                      **2 Credits**                                      **(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.  
*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

**ENGR 2201**                                      **Statics for Engineers**                                      **3 Credits**                                      **(3-0-3)**  
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

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

**ENGR 2770**                                      **Introduction to Engineering Graphics & Visualization**                                      **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 2111 or MATH 2511

## **Engineering Technology**

**ENGT 2101K**                                      **Computer Graphics**                                      **3 Credits**                                      **(2-2-3)**



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 Statics 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)

**ENGT 3190/DATA 3190 Data Visualization 3 Credits (3-0-3)**

An important skill that a data analyst should possess is to communicate practical implications of any data set after performing quantitative analysis of the information. Using technical means and software tools to communicate the information in a non-technical manner will help firms to make meaningful decision. Data visualization requires students to become familiar with technologies in use, streamline the analysis, and highlight implications efficiently using tools such as Python and R.

*Prerequisite:* MATH 1113 and CSCI 1130 or CISM 1130

**ENGT 3301 Quality Control 3 Credits (3-0-3)**

A study of statistics, probability, control charts for variables and attributes, and acceptance sampling plans.

*Prerequisite(s):* MATH 2111

**ENGT 3501 Dynamics 2 Credits (2-0-2)**

The study of kinematics, the motion and movement of a body in terms of displacement, velocity acceleration and time; and kinetics, the relations between motion of a body and the forces that caused the motion. Topics include rectilinear motion as well as curvilinear motion.

*Prerequisite(s):* ENGT 3101 or ENGR 2201, and MATH 2101

**ENGT 3601 Strength of Materials 3 Credits (3-0-3)**

A comprehensive study of the concept of the stress-strain relationship and how this relates to the design of structural members. Emphasis will be on the stress distribution due to axial tension and compression, thermal, torsion, and transverse loading and their combinations.

Course content will also include pure bending, transformations of stress, shear and bending moment diagrams, slope and deflection of beams by integration, and Euler's formula for columns.

*Prerequisite(s):* ENGT 3101 or ENGR 2201, and MATH 2111

**ENGT 3701 Engineering Economy 3 Credits (3-0-3)**

A study of the fundamental concept and analytical tools of engineering economy. The elements of engineering decision-making process, compound interest and equivalence are examined. This course also covers present worth, uniform annual cost, rate of return and depreciation method as well as income taxes to help make the correct engineering business decision.

*Prerequisite(s):* MATH 1113 or permission of the instructor

**ENGT 4401 Senior Design/Capstone 3 Credits (3-0-3)**  
 The senior design project course provides an opportunity for the students to work individually or in a team, based on their interest in areas such as Structural, Geotechnical, Environmental or Highway. (Civil Engineering Technology) or in areas such as Analog/Digital, Communication, Control, Embedded and Power Systems (Electronics Engineering Technology). Students will identify, explore, and analyze real-life problems. The project may involve field exposure, data collection, working with field professionals, laboratory use, design, and computer analysis. Each team is required to present their project orally as well as submit a written report to support their design work.  
*Prerequisite(s):* CIVT 4211; or CIVT 4100K; or CIVT 3601K; or CIVT 3401K (Civil Engineering Technology).  
*Prerequisite(s):* ELET 3411K; or ELET 3511K; or ELET 3311K; or ELET 3211K; or ELET 4101K (Electronics Engineering Technology)

**ENGT 4901 Engineering Technology Internship 1 – 3 Credits (V-0-V)**  
 A supervised training, apprenticeship at an appropriate company, laboratory, academic institution, or agency. The student is expected to participate in activities related to their field of study. A final oral presentation, written report from the student and evaluation from the supervisor are the deliverables.  
*Prerequisite(s):* Senior standing or as specified by the instructor

**ENGT 4903 Special Topics 1 – 4 Credits (V-0-V)**  
 A discussion of current topics in either Civil Engineering technology, Electronics Engineering technology or Computer Science technology.  
*Prerequisite(s):* Senior standing or as specified by the instructor

## Environmental Science

**ENVS 1121K Physical Geology 4 Credits (4-0-4)**  
 A course designed for students majoring in environmental science. The course is also useful for students majoring in civil engineering, marine science, and naval science who may take it as an elective. Topics include composition of the earth and its minerals, volcanoes, and earthquakes and their causes.  
*Prerequisite(s):* MATH 1111 and basic knowledge of chemistry and physics

**ENVS 1140 Environmental Issues 3 Credits (3-0-3)**  
 Survey of global environmental issues facing humankind from philosophical, sociological, historical, ecological, and technological perspectives.

**ENVS 2401 Introduction to Environmental Science 3 Credits (3-0-3)**  
 Mechanism of evolution in relation to plants, animals and man, population dynamics, ecological processes, population ecology, species interactions, evolution of behavior, biomes, biogeography, pollution, and ecosystem sustainability.  
*Corequisite:* ENVS 2401L

**ENVS 2401L Introduction to Environmental Science Lab 1 Credit (0-1-1)**  
 Lab taken concurrently with ENVS 2401.  
*Corequisite:* ENVS 2401

**ENVS 3121 Environmental Ethics 3 Credits (3-0-3)**  
 The basics in philosophical and ethical thought, especially as related to the development in mankind of a new ecological ethic.  
*Prerequisite(s):* HUMN 2011, ENVS 2401

**ENVS 3201 Limnology 3 Credits (3-0-3)**  
 Evolution and morphology of ponds, lakes, and streams; physical and chemical characteristics of inland water, aquatic biota, their taxonomy and ecology.  
*Prerequisite(s):* ENVS 2401, BIOL 2401, CHEM 1211 and CHEM 1212

*Corequisite:* ENVS 3201L

**ENVS 3201L** **Limnology Lab** **1 Credit** **(0-1-1)**  
Lab taken concurrently with ENVS 3201.  
*Corequisite:* ENVS 3201

**ENVS 3203** **Environmental Chemistry** **3 Credits** **(3-0-3)**  
The chemistry of the Earth's natural processes in air water and soil, toxic pollutants, soil, water, air, and sediment chemistry in relation to pollutants, natural waters and acid base chemistry of the carbonate system, redox, solid phase-solution equilibria, ion adsorption and desorption phenomenon.  
*Prerequisite(s):* ENVS 2401, CHEM 1211, and CHEM 1212  
*Corequisite:* ENVS 3203L

**ENVS 3203L** **Environmental Chemistry Lab** **1 Credit** **(0-1-1)**  
Lab taken concurrently with ENVS 3203.  
*Corequisite:* ENVS 3203

**ENVS 3205** **Environmental Microbiology** **3 Credits** **(3-0-3)**  
Relationships of microorganisms to their environment and to other organisms, symbiotic, soil and aquatic microorganisms are considered, genetically engineered microorganisms as well as principles of bioremediation.  
*Prerequisite(s):* BIOL 1107, BIOL 1108  
*Corequisite:* ENVS 3205L

**ENVS 3205L** **Environmental Microbiology Lab** **1 Credit** **(0-1-1)**  
Lab taken concurrently with ENVS 3205.  
*Corequisite:* ENVS 3205

**ENVS 3301** **Environmental Radiation** **3 Credits** **(3-0-3)**  
Atomic structure, nuclear radiation, radioactive decay, interaction of charged particles and electron with matter, methods of radiation detection, radiation dosimetry and, radiation protection.  
*Prerequisite(s):* CHEM 1211, CHEM 1212, and PHYS 1111K  
*Corequisite:* ENVS 3301L

**ENVS 3301L** **Environmental Radiation Lab** **1 Credit** **(0-1-1)**  
Lab taken concurrently with ENVS 3301.  
*Corequisite:* ENVS 3301

**ENVS 3621** **Environmental Health and Hygiene** **3 Credits** **(3-0-3)**  
Human exposure and health effects of chemicals, occupational health hazards, regulatory safety procedures, management requirements, disease vectors, food and housing sanitation risk assessment, principles of industrial hygiene.  
*Prerequisite(s):* ENVS 2401, BIOL 1107, and BIOL 1108

**ENVS 4101** **Contaminant Hydrology** **3 Credits** **(3-0-3)**  
Topics dealing with the fundamentals of the hydrologic cycle, budget and aquatic; precipitation, evapo-transpiration, stream flow; containment transport; ground water flow and urban vs. watershed models  
*Prerequisite(s):* MATH 1113, and MATH 2101  
*Corequisite:* ENVS 4101L

**ENVS 4101L** **Contaminant Hydrology Lab** **1 Credit** **(0-1-1)**  
Lab taken concurrently with ENVS 4101.  
*Corequisite:* ENVS 4101

**ENVS 4121** **Environmental Law** **3 Credits** **(3-0-3)**

Overview of the historic development and evolution of legal principles, the legal processes relating to resource conservation, environmental regulations and statutory laws.

*Prerequisite(s):* ENVS 2401 and ENVS 3121

**ENVS 4202 Principles of Ecotoxicology 3 Credits (3-0-3)**

Toxic chemicals and their fate and distribution in various ecosystems, toxicity of chemicals on the individual, populations and communities, relationship of dose and response, and biomarkers in population studies.

*Prerequisite(s):* ENVS 2401 and CHEM 2501

**ENVS 4301 Solid and Hazardous Waste Management 3 Credits (3-0-3)**

Hazardous wastes disposal techniques, problems associated with current waste disposal techniques, major pathways of pollutant migration from disposal sites, emphasis on critical issues facing industry, government, and the public.

*Prerequisite(s):* ENVS 3203 and CHEM 2501

**ENVS 4401 Environmental Impact Assessment 3 Credits (3-0-3)**

Land use planning, zoning, subdivision and community organization, human growth, control, local, state and federal regulations, multi-disciplinary teams are organized to produce actual EIS's, geology, soils, topography, hydrology, meteorology, biology, sociology and economics are all involved.

*Prerequisite(s):* ENVS 2401 and ENVS 3121

**ENVS 4801 Internship 2 Credits (2-0-2)**

Supervised training, apprenticeship, and experience with an appropriate agency, written internship report, and report presentation.

*Prerequisite(s):* Senior Standing

**ENVS 4901 Environmental Synthesis Seminar 1 Credit (1-0-1)**

Most updated environmental literature search, research methodology, synthesis, manuscript preparation, and seminar presentation.

*Prerequisite(s):* Senior Standing

**ENVS 4910 Special Topics 3 Credits (3-0-3)**

In depth discussion and review of most critical environmental issues, toxic chemicals, soil, water and air pollution, and new remedial methodologies.

*Prerequisite(s):* Senior standing

## **Engineering Technology Education**

**ETED 2201 Literacy and Technical Writing in Engineering and Technology Education 2 Credits (2-0-2)**

This course explores methods for teaching P-12 to read, write, think, and learn in ways that allow them to master the subject matter and meaningfully apply their understanding. Candidates learn to plan lessons that teach content and nurture greater literacy. Pre-, during-, and post-reading strategies are explored, along with assessment methods that give students a continual view of their literacy progress and achievement. Classroom adaptations for culturally and linguistically diverse population and technical writing in the engineering and technology education areas are also addressed.

**ETED 2500 Introduction to Engineering and Technology Education 3 Credits (3-0-3)**

This course is an introduction to Engineering and Technology Education. While offering current viewpoints on the subject of technology the course prepares students for their future as teachers, and simultaneously teaches about the evolution of society's technical means. Through this approach, students will learn to fuse ideas and concepts from many engineering technology areas while relating to their own interests and backgrounds. Course is required for students who are seeking teacher certification.

**ETED 3000 Principles of Engineering and Technology Education 3 Credits (3-0-3)**

This course is designed to provide students with experience in the application of the principles of physics and mathematics as they relate to technological systems. Instruction covers seven technical principles: force, work, rate, resistance, energy, power, and force transformers, emphasizing how each principle plays a unifying role in the operation of mechanical, fluid, electrical, and thermal systems.

*Prerequisite(s):* ETED 2500

**ETED 3211 Connections in P-12 Engineering Technology Education 4 Credits (4-0-4)**

This course bridges connections of all sorts: those between different technological systems; engineering and science; and engineering/technology and the real world of people, business and everyday life. The course integrates technology through the use of lab equipment and computers, which students use to make design and create; validate findings; and investigate concepts, problems, and projects in greater depth. The emphasis on writing and the use of alternative types of assessment in this course is designed to help the student teachers to adapt their teaching strategies in order to meet every student's need.

*Prerequisite(s):* Admission to Teacher Education

**ETED 3301 Electrical Power and Energy Systems 3 Credits (3-0-3)**

This course is an introductory course in the field of electric power systems and electrical to mechanical energy conversion.

**ESED 3302 Hydraulic and Pneumatic Systems in Technology Education 3 credits (3-0-3)**

This course introduces the basic components, functions and theories of hydraulic and pneumatic power systems used in Engineering and Technology Education Programs. Topics include pumps, control valves, control assemblies, and switching and control devices. Upon completion, students should be able to understand the operation of a fluid power system, including design, application, and troubleshooting as well as integrating hose components into teaching strategies in P-12 Engineering Technology Education Programs.

*Pre-requisite: ETED 3000.*

**ETED 3303 Construction Systems 3 Credits (3-0-3)**

This course offers an introduction to the history, theory, and construction of basic structural systems as well as an introduction to analysis of individual structural elements and strategies for load carrying.

**ETED 3304 Transportation Systems 3 Credits (3-0-3)**

This course introduces transportation as a large-scale, integrated system that interacts directly with the social, political, and economic aspects of contemporary society, system performance and level-of-service metrics, and the design of transportation services and facilities for various modes and intermodal operations.

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

This course is an introduction to manufacturing; Fundamental properties of materials including metals, polymers, ceramics and composites; Forming and shaping processes, such as rolling, forging, extrusion, drawing, sheet metal forming; Fundamentals of machining, machining processes, machine tool materials; and joining processes.

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

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

Corequisite: ETED 4417

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

The financial services industries are changing rapidly with the emergence of financial technology (FinTech). The objective of the course is to provide students with an overview of FinTech and introductions to its applications in financial services, such as commercial and investment banking, digital investing, financial advising, and insurance. Students are expected to develop a broad understanding of the recent FinTech development and its impact on different parts of the financial world. Students will also have hands-on problem-solving experiences that can be useful in FinTech applications and innovation. Topics may include but are not limited to: blockchain and cryptocurrencies, smart contracting, payments, digital banking, P2P lending, crowdfunding, robo-advising, and InsurTech.

**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.

**FTA 4003 Commercial Banking and FinTech 3 Credits (3-0-3)**

The FinTech revolution is creating significant disruption to the traditional processes of managing and regulating financial institutions, especially banks. Understanding, assessing and forecasting FinTech's impact on banking is particularly important because proper management and oversight of financial institutions is essential to the efficient operation of the national, as well as global, economy. In this course, students will learn about the principles and practices of commercial bank management, bank regulation, and the tradeoffs between risk and return. Challenges presented by the FinTech evolution, including traditional and emergent competitors as well as demographic, social, and technology forces driving change in the industry, will be integrated through the entire course.

**FTA 4005 Introduction to Financial Data Analytics 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**                                      **Business Finance**                                      **3 Credits**                      **(3-0-3)**  
 Financial management of non-financial corporations and the role of interest rates and capital markets in the economy. Topics will include the structure and analysis of financial statements, time value of money calculations (using financial calculators), stock and bond valuation, financial forecasting, valuation of income-producing physical assets, determination of the cost of capital, the profitability of proposed investments in fixed assets, risk-return tradeoffs that must be considered in using financial leverage, and methods used in obtaining funds from the various capital markets. This course is taught mainly through lectures and class discussions of textual materials and problems.

*Prerequisite(s):* ECON 2105, ECON 2106, ACCT 2101, ACCT 2102 and BUSA 2182; Junior standing or 42-hour rule

**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 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

**FINC 3160**                                      **International Finance**                                      **3 Credits**                      **(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**                                      **Financial Statement Analysis**                                      **3 Credits**                                      **(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 and 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**                                      **FYE Arts Practices**                                      **1 Credit**                                      **(1-0-1)**

The First Year Experience is designed to assist first year students in their adjustment and assimilation into the university environment. Students will be introduced to a series of individual and group experiences that will enhance self-motivation, identify learning styles and habits, develop academic mindset, and adopt study skills for college success. This course will also address the interdisciplinary nature of the visual and performing arts through a cooperative hands-on immersion into real time arts production. Students will be introduced to craft, design, and theory crucial to their own arts endeavors. Significant artist and movements will be surveyed and critiqued in order to gain a better understanding of the context of their own art making. Students will receive guidance on how to create exhibitions, recitals/performances with an entrepreneurial approach to production.

**FINE 2101**                                      **Arts Practices**                                      **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 will introduce students to a range of vocal and physical techniques for creative expression in performance, performance art, and all kinds of spoken human communication. Through a series of exercises, trainings, and performances, students will have the opportunity to reduce habitual tensions, connect the voice and body, and increase the strength, flexibility, and dynamic of their presentations. Speech skills including an introduction to the International Phonetic Alphabet will also be developed. The class will cover techniques drawn from a wide variety of voice and movement pedagogies.

**FINE 2104**                                      **Portfolio/Career Marketing**                                      **3 Credits**                                      **(3-0-3)**

Portfolio and Career Marketing prepares students for entering into their chosen careers, furthering education and employment in a field of their interest while in study or upon graduating from the university. The course is two-fold portfolio development and preparation-based learning experience. The course provides instruction on and includes self-awareness, career awareness and career exploration.

**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 4800** **Arts USA** **3 Credit (3-0-3)**  
This course is designed for high impact practicum. Students synthesize skills within their discipline and craft by engaging in professional development and technical skills acquisition through experiential learning. This course is designed to set pathways for career opportunities and advantages. Students will develop networks within major hubs in the continental United States. They will be immersed in intensive practices, technical training and skill development integral to their profession.  
*Prerequisite(s):* ARTS 1101 or DNCE 2010 or HUMN 2011 or MUSC 1101 or THEA 2101

**FINE 4900-4910** **Special Topics** **3 Credits (3-0-3)**  
The topic of this seminar varies from semester to semester. Each seminar focuses on a specific field and/or issue in the Arts. Students engage the topic by perusing individual projects that relate to course content.  
*Prerequisite(s):* varies with topic

**FINE 4999** **Senior Thesis** **3 Credits (3-0-3)**  
Students enrolled in the program will demonstrate knowledge of the field through a thesis. Students must have topic approval from a faculty advisor in their chosen concentration and work under the close supervision of a thesis committee. The student must also complete a senior thesis research paper relevant to the student's chosen topic and pass a program exit examination.  
*Prerequisite(s):* Approval required. Successful completion (C average or better) of 45 credit hours within the student's chosen concentration.

## **Forensic Science**

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

**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 3201** **Forensic Evidence in Law Enforcement** **3 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.

**FSCI 3301** **Principles of Forensic Sciences** **3 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 3301.

**FSCI 3401** **Forensic Science Research/Internship** **2 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 4101** **Personal Identification & DNA Fingerprinting Analysis** **3 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 3301

**FSCI 4101L** **Personal Identification & DNA Fingerprint Analysis Lab** **1 Credit** **(0-1-1)**

Lab taken concurrently with FSCI 3301.

*Prerequisite(s)*: CHEM 2511L and BIOL 1108L

**FSCI 4201** **Drug Abuse & Drug Analysis** **3 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 with

The human body and the motivation for drug use will be discussed as well as 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 4201.

*Prerequisite(s)*: CHEM 2511L and BIOL 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

**FSCI 4401** **Crime Scene I** **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 3301 and junior standing

## French

**FREN 1001    Elementary French I    3 Credits                          (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    3 Credits                          (3-0-3)**

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

*Prerequisite(s):* FREN 1001

**FREN 2001    Intermediate French I    3 Credits                          (3-0-3)**

An intensive review of basic French with more emphasis on speaking, reading, and writing. Various cultural aspects of France and Francophone countries are examined.

*Prerequisite(s):* FREN 1002 or two years of high school French

**FREN 2002    Intermediate French II    3 Credits                          (3-0-3)**

A continuation of FREN 2001. Intensive review in writing, speaking, and reading.

*Prerequisite(s):* FREN 2001

**FREN 3101    Advanced Conversation & Composition    3 Credits                          (3-0-3)**

Intensive practice in conversational French based upon written texts and audio-visual documents. Development of writing and stylistic skills in addition to advanced review of grammatical structure.

*Prerequisite(s):* FREN 2002.

**FREN 3201** **French Civilization** **3 Credits** **(3-0-3)**

Acquaintance of the student with major contributions of France to Western civilization. The notion of Francophones will also be studied.

*Prerequisite(s):* FREN 3101

**FREN 3203** **Survey of French Literature** **3 Credits** **(3-0-3)**

Diachronic study of French literature from the middle ages to modern times, with emphasis on major authors and/or works.

*Prerequisite(s):* FREN 3101

**FREN 3401** **Introduction of Business French** **3 Credits** **(3-0-3)**

Basic notions of management, market studies, insurance, corporate laws, export-import, telecommunications and commercial correspondence will be introduced.

*Prerequisite(s):* FREN 3101

**FREN 3402** **Intermediate Business French** **3 Credits** **(3-0-3)**

Same emphasis as FREN 3401 in addition to the usage of French Minitel through the Internet.

*Prerequisite(s):* FREN 3401

**FREN 4100** **Survey of African & Caribbean Francophone Literature** **3 Credits** **(3-0-3)**

Study of selected writings in prose, poetry, and drama by major French-speaking African, North African, and Caribbean writers.

*Prerequisite(s):* FREN 3101

## Geography

**GEOG 1101** **Introduction to Human Geography** **3 Credits** **(3-0-3)**

A study of man's relationship to the natural, physical, and cultural environment, world patterns of population, climate and industrial development; problems of agricultural, commerce, trade, transportation, and communication, and conservation of natural resources.

**GEOG 3122** **The Geography of Poverty** **3 Credits** **(3-0-3)**

This course provides an examination of the spatial dimensions of poverty in the United States and provides evidence that there is some utility in bringing the spatial perspective of the geographer to bear on the national problem of poverty. The course addresses disparities in wealth, economic prosperity and social well-being and quality of life issues in American cities. Different perspectives (geographical, sociological, economic, psychological, and cultural) on the definitions and dimensions of poverty are examined in some depth.

**GEOG 3302** **Geographic Information System & Spatial Analysis** **3 Credits** **(3-0-3)**

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

*Prerequisite(s):* CSCI 1130 or equivalent

**GEOG 3621** **Population Geography** **3 Credits** **(3-0-3)**

The course is designed to acquaint the students with the essentials of population study from a geographer's perspective. Students will learn where to obtain pertinent demographic data and how to analyze it in a meaningful way with maps and statistics. It examines the characteristics and distribution of human populations across the

diaspora paying special attention to the factors responsible for the spatial variations in mortality, fertility and migration patterns.

**GEOG 3631** **Urban Social Geography** **3 Credits** **(3-0-3)**

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

**Global Logistics and International Business**

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

This course will cover introduction to concepts in supply chain, logistics, transportation, culture, political and legal institution, and economic situation. The concepts will be learned from a global perspective, primary focus will be on emerging economies and comparing with United States.

**GLIB 3190** **Purchasing and Procurement for Global Supply Chain** **3 Credits** **(3-0-3)**

This course introduces students to key concepts in purchasing and procurement practices in supply chain management. Additionally, the course also helps in developing an understanding of the strategic importance of sourcing in improving a firm's competitive position. Challenges in managing the relationships among businesses involved in the process of buying and selling products and services are explored.

*Prerequisite(s):* MGNT 3165 or GLIB 2109 or CIVT 2109 with a grade of "C" or better.

**GLIB 3196** **Supply Chain Analytics** **3 Credits** **(3-0-3)**

Supply chains are complex networks that involve supplier's supplier to buyer's buyer, typically involving varying organizations and businesses with conflicting goals and objectives. Researchers and practitioners have used varying analytical and modelling techniques to better design and manage supply/chains. Use of data to make effective decisions in supply chain is at the heart of this course. This course introduces the important tools and methods that you will encounter in your study and practice of supply chains. The focus of the course will be on the application of these methods, not necessarily the concepts.

*Prerequisite(s):* BUSA 2185; MGNT 3165

**GLIB 3197** **Global Business Logistics** **3 Credits** **(3-0-3)**

Logistics Management – that part of supply chain management that plans, implements, and controls the efficient, effective forward and reverse flow and storage of goods, services, and related information between the point of origin and the point of consumption in order to meet customers' requirements. This senior level course focuses on Global Alliances and Global Business Logistics Management. Topics include supply chain and alliance strategy in multinational firms, materials management, international sourcing and distribution, importing and exporting procedures, international carrier management and operations. This course is designed to help prepare the logistics professional for a career in international logistics.

*Prerequisite(s):* MGNT 3165

**GLIB 4190** **International Transportation and Carrier Management** **3 Credits** **(3-0-3)**

With the increasing emphasis on efficient supply chains and more sophisticated logistics management techniques, the basic component of transport is moving a product or providing a service from one place to another has come under increasing economic pressure and increasing deregulation. The businesses today cannot be competitive without a good transportation and logistics network. The goal of this course is to understand the basic modes of transportation, the economic fundamentals underlying each and some of the ways in which today's supply chain manager can use them to achieve efficiencies and cost effectiveness necessary for a company to survive in today's global markets.

*Prerequisite(s):* MGNT 3165

**GLIB 4192 International Strategic Management 3 Credits (3-0-3)**  
 The course will examine the firm's environments – especially the international environment using the tools of analysis such as 5 Forces and the value chain. It will also examine the firm's corporate and business strategies. Finally, The course will specifically examine the firm's international strategies, the nature and form of international business arrangements, to determine if they fit within the firm's overall global strategic position. The course serves to integrate and synthesize knowledge acquired in the functional disciplines in a business school by application of acquired functional skills to corporate and business strategic analysis.  
*Prerequisite(s):* MGNT 3165, 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, MKTG 3175

**GLIB 4196 Continuous Improvement and Six Sigma 3 Credits (3-0-3)**  
 Broad coverage of managerial and statistical aspects of quality control, including quality assurance, quality management, and continuous improvement. Topic coverage includes problem-solving tools, process capability/assessment, control charts for variables, control charts for attributes and advanced control chart methods. The course will primarily look at four aspects: (i) the foundation principles of quality management; (ii) tools and techniques to drive and support design, control, and improvement of quality; (iii) application of structured problem-solving methods and tools to improve quality and Analyze and quantify data that enable process improvements and execute the Six Sigma methodology; (iv) an organizational view of performance excellence as reflected by the Malcolm Baldrige Criteria.  
*Prerequisite(s):* BUSA 2182; MGNT 3165

## **Health Education**

**HEDU 1101 Concepts in Healthful Living 2 Credits (2-0-2)**  
 An introduction to the role of physical fitness in a healthful lifestyle. This course involves developing exercise programs for each component of physical fitness. Students spend two hours each week on physical fitness activities and one hour each week exploring the relationship of physical fitness activities to a healthy lifestyle.

**HEDU 1111 Physical Fitness for Life 2 Credits (2-0-2)**  
 An introduction to the role of physical fitness in a healthful lifestyle. This course involves developing exercise programs for each component of physical fitness. Students spend two hours each week on physical fitness activities and one hour each week exploring the relationship of physical fitness activities to a healthy lifestyle.

**HEDU 1112 Concepts in Healthful Living / Fitness Walking 3 Credits (3-0-3)**  
 The purpose of this course is to enable you to gain knowledge and skills you will need to make informed decisions about your health and health-related behaviors. If you work to apply the knowledge you gain in this course to your personal life, the benefits of this class will extend far beyond the academic credit award to you for completing this course successfully. This course will also introduce the student to the fundamental concepts of physical activities that will help promote a healthy lifestyle and encourage the appreciation of leisure activities. This course will introduce the student to aerobic and resistant training along with presenting basic nutritional guidelines.

**HEDU 1113 Concepts in Healthful Living / Physical Conditioning 3 Credits (3-0-3)**  
 The purpose of this course is to enable you to gain knowledge and skills you will need to make informed decisions about your health and health-related behaviors. If you work to apply the knowledge you gain in this course to your personal life, the benefits of this course will extend far beyond the academic credit awarded to you for completing

this course successfully. This course will also introduce the student to practical and comprehensive information and experiences related to physical activity while teaching students how to undertake a regular program of physical activity.

**HEDU 1114                      Physical Activity and Stress Management / Fitness Walking                      3 Credits                      (3-0-3)**  
This course is designed to explore the nature of human stress, and to examine some physical and mental methods of reducing stress. This course exposes students to a holistic approach to stress management. It treats both cognitive skills and relaxation techniques with the intention of preventing and/or alleviating the physical symptoms of stress. This course will also introduce the student to the fundamental concepts of physical activities that will help promote a healthy lifestyle and encourage the appreciation of leisure activities. This course will introduce the student to aerobic and resistant training along with presenting basic nutritional guidelines.

**HEDU 1115                                      Physical Fitness for Life / Swimming                                      3 Credits                      (3-0-3)**  
This course is designed to enable the student to develop skills and knowledge that will aid him/her in determining physical fitness status, and to develop and apply physical fitness programs. This course will also introduce the student to an aquatic environment. The student will receive instruction in basic swimming techniques and safety procedures.

**HEDU 1116                                      Physical Fitness for Life / Weight Training                                      3 Credits                      (3-0-3)**  
The purpose of this course is to enable the student to develop skills and knowledge that will aid him/her in determining physical fitness status, and to develop and apply physical fitness programs. This course will also introduce the student to weight training and conditioning. The student will receive instruction in basic weight training techniques and safety procedures.

**HEDU 1140                                      Tennis I                                      1 Credit                      (1-0-1)**  
Students will learn tennis techniques, strokes, and practice skills. Students will develop beginning proficiency in tennis and obtain basic knowledge of its fundamental mechanics and etiquette.

**HEDU 1150                                      Beginning Golf                                      1 Credit                      (1-0-1)**  
Students will learn golf techniques and practice skills. Students will develop beginning proficiency in golf and obtain basic knowledge of its fundamental mechanics and etiquette.

**HEDU 1201                                      Physical Activity & Stress Management                                      2 Credits                      (2-0-2)**  
A course focusing on the development of physical activity and relaxation programs that help students to manage and cope with stress in their lives. The course consists of two hours each week of physical activity and relaxation application and one hour each week exploring the nature of the human stress response.

**HEDU 1211                                      Physical Activity & Body Composition                                      2 Credits                      (2-0-2)**  
A course designed to help students develop and execute exercise programs that will develop a healthy body composition and achieve and maintain a desirable body weight. Students spend two hours each week participating in exercise programs. The course also explores theories regarding the relationship of exercise and body composition.

**HEDU 1301                                      Weight Training                                      1 Credit                      (1-0-1)**  
Participation in weight training exercise programs and weight resistance activities to achieve desired level of strength and a healthy level of body composition.

**HEDU 1401                                      Physical Conditioning                                      1 Credit                      (1-0-1)**  
Participation in weight training exercise programs that develop the five components of physical fitness. The major emphasis in the course is on the development of cardiovascular fitness.

**HEDU 1501                                      Modern Dance Techniques                                      1 Credit                      (1-0-1)**  
Course designed to teach the fundamentals of modern dance that contribute to wellness.

**HEDU 1520** **Group Fitness** **1 Credit** **(1-0-1)**  
The course presents an instructor-led regimented style exercise regime that works the entire body through one of a variety of group fitness activities. The topic of the course may vary from semester to semester and the topic will be indicated on the course title on the schedule. Possible topics include, but are not limited to, yoga, Pilates, Zumba, or tai chi.

**HEDU 1601** **Swimming** **1 Credit** **(1-0-1)**  
A beginning course in swimming. Students learn basic techniques and drown-proofing skills.

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

**HEDU 1621** **Water Aerobics** **1 Credit** **(1-0-1)**  
A water aerobics class that focuses on all the components of physical fitness.

**HEDU 1701** **Fitness Walking** **1 Credit** **(1-0-1)**  
The purpose of this course is to introduce the student to the fundamental concepts of physical activities that will help promote a healthy lifestyle and encourage the appreciation of leisure activities. This course will also introduce the student to aerobic and resistant training along with presenting basic nutritional guidelines.

**HEDU 2101** **Structural Kinesiology** **3 Credit** **(3-0-3)**  
This course surveys biological systems and physical principles as applied to human movement. Emphasis is placed on the study of bones and joints and how they are involved in the science of movement. Students will be able to examine the planes 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 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.

**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.

## History

**HIST 1111** **Survey of World History to Early Modern Times** **3 Credits** **(3-0-3)**  
A survey of the major civilizations of the world from the earliest time to approximately 1500.

**HIST 1112** **Survey of World History from Early Modern Times to the Present** **3 Credits** **(3-0-3)**  
A survey of the major civilization of the world from about 1500 to the present.

**HIST 2111** **A Survey of U.S. History to the Post-Civil War Period** **3 Credits** **(3-0-3)**  
An introductory survey of the formative years of the history of the United States.



<b>HIST 2112</b>	<b>A Survey of U.S. History from the Post-Civil War Period to the Present</b>	<b>3 Credits</b>	<b>(3-0-3)</b>
A survey of African-American and American History from the Civil War to the present.			
<b>HIST 2301</b>	<b>History of American Military Affairs</b>	<b>3 Credits</b>	<b>(3-0-3)</b>
An introductory survey of military affairs in the United States from the Revolution to the present; designed to acquaint the student with the American military experience, to emphasize the problems involved in waging war, and to examine the effects of war on society.			
<b>HIST 3101</b>	<b>Historical Research</b>	<b>3 Credits</b>	<b>(3-0-3)</b>
An analysis of sources and critical methods for evaluating, organizing, and using these materials; a focus on selected historians and distinctive type of historical writing. <i>Prerequisite(s):</i> HIST 2111 and HIST 2112			
<b>HIST 3207</b>	<b>Georgia History</b>	<b>2 Credits</b>	<b>(2-0-2)</b>
A survey of the history of Georgia from pre-colonial times to present.			
<b>HIST 3301/AFRS 3301</b>	<b>African-American History Before 1900</b>	<b>3 Credits</b>	<b>(3-0-3)</b>
A survey of the history of African-Americans beginning with the African background to 1900 with an overview of the twentieth century.			
<b>HIST 3312</b>	<b>The African-American in the 20th Century</b>	<b>3 Credits</b>	<b>(3-0-3)</b>
An analysis of the modern African-American experiences such as African-American participation in the World Wars, the Depression, and the struggles for civil rights, identity, and self-determination.			
<b>HIST 3411</b>	<b>History of Early Modern Europe</b>	<b>3 Credits</b>	<b>(3-0-3)</b>
A study of the history of Europe from about 1500 until the French Revolution covering the Reformation, Scientific Revolution, absolutism, family and demographic developments, and the Enlightenment.			
<b>HIST 3412</b>	<b>History of Modern Europe</b>	<b>3 Credits</b>	<b>(3-0-3)</b>
A detailed study of the political, social, economic, and intellectual development in Europe since 1789. Emphasis is on western Europe.			
<b>HIST 3501</b>	<b>Colonial America</b>	<b>3 Credits</b>	<b>(3-0-3)</b>
An examination of cultures and institutions of colonial America before 1776.			
<b>HIST 3502</b>	<b>American Revolution &amp; New Nation</b>	<b>3 Credits</b>	<b>(3-0-3)</b>
An examination of American cultures and institutions from the outbreak of the revolution through the early years of the New Republic.			
<b>HIST 3503</b>	<b>American Civil War &amp; Reconstruction</b>	<b>3 Credits</b>	<b>(3-0-3)</b>
An intensive examination and analysis of the forces at work in American life during the crucial period from 1840 through 1877.			
<b>HIST 3504</b>	<b>Recent American History</b>	<b>3 Credits</b>	<b>(3-0-3)</b>
An intensive study of the political, social, and economic history of the United States from the First World War to the present.			
<b>HIST 3601</b>	<b>Colonial &amp; Early National Latin American History</b>	<b>3 Credits</b>	<b>(3-0-3)</b>
An appraisal of the origins and development of social, political, economic, and intellectual characteristics of Latin America from the pre-Colonial era through the wars for independence.			

**HIST 3801** **Modern Asian History** **3 Credits (3-0-3)**  
An introduction to the origins and developments of the economic, political, social, and cultural characteristics of Asian nations with special emphasis on the roles of China, Japan, and India during the past four centuries.

**HIST 3901** **Internship** **Credit Varies (V-0-V)**  
An individually designed course-project involving research in a government or private agency. Students will be under the joint supervision of the sponsoring agency and their faculty advisor. This internship will be arranged by the faculty advisor and department chair.

**HIST 3909** **Readings in History** **Credit Varies (V-0-V)**  
Directed readings and other activities related to particular topic in the discipline.

**HIST 4301** **History of African-American Thought** **3 Credits (3-0-3)**  
A study of the ideas, institutional practices, values, and ideologies embraced by African-Americans. The course incorporates the philosophies and tactics of accommodation, integration, and separation.

**HIST 4411** **History of Modern Britain** **3 Credits (3-0-3)**  
A survey of British history since the revolution of the seventeenth century, including its economic growth, its rise as a world power, and its role in the world today.

**HIST 4601** **Latin America in the Modern World** **3 Credits (3-0-3)**  
An appraisal of the social, political, economic, and intellectual development of Latin America since independence with emphasis on the 20th Century.

**HIST 4701** **African History Before 1800** **3 Credits (3-0-3)**  
A study of major themes in the history of Africa prior to 1800: The African physical environment, early civilizations and state formation, the spread of Islam, the slave trade, the beginning of European colonization, and significant cultural developments.

**HIST 4702** **African History Since 1800** **3 Credits (3-0-3)**  
A study of major themes in the history of Africa since 1800: major cultural developments, colonial rule, African nationalism and independence, and global Africa.

**HIST 4801** **History of China Since 1600** **3 Credits (3-0-3)**  
An examination of the major issues, revolutions, and personalities in the history of China from 1600 to the present; a comprehensive presentation of China's economics, politics, society, and culture during the past four centuries.

**HIST 4805** **Twentieth Century East Asian Economic History** **3 Credits (3-0-3)**  
An examination of the themes, patterns, and problems of economic development in China, Japan, Korea, Taiwan, and Hong Kong since 1900. This course provides an historical background to the relations between economics and non-economic affairs.

**HIST 4901** **Senior Seminar** **3 Credits (3-0-3)**  
A review of general historical time-lines of United States and world history with reference to trends in historiography and historical interpretations as well as a review of library research skills.

## **Homeland Security and Emergency Management**

**HSEM 2101** **Introduction to HSEM** **3 Credits (3-0-3)**  
A survey of the emerging field of homeland security and emergency management. The course provides students with a broad picture of the emergency management system in the United States, including historical events, practices, and policies that have had impacted the development of emergency management and homeland security

as a governmental function and as a profession. Students will get an overview of the role and methods of emergency management and homeland security in protecting lives, property, and infrastructure.

**HSEM 2201                                  Research Methods and Statistics                                  3 Credits                  (3-0-3)**  
The course focuses on the research methods and statistical tools that social scientists utilize in their everyday work. The course exposes students to the research process, fundamentals of methods and statistical applications. It introduces the basic concepts and problems encountered in social science research, including research design, ethical issues in research, types of data and measurement, overview of statistics, data collection and analysis, and presentation of research findings. This course is designed to provide the students with the competency to be educated consumers of research in political science, urban studies, and homeland security and emergency management.

**HSEM 3110                                  Politics & Policy of HSEM                                  3 Credits                  (3-0-3)**  
Examines policies, programs, agencies, and institutions involved in U.S. disaster and emergency management. Focus is on the role of politics, public policymaking, and intergovernmental relations in managing all hazards at the local, state, and national levels. Emergency management and homeland security encompass a wide range of expertise and activities; policy and politics have significant impact on these preparedness, response and related activities before and during a disaster.  
*Prerequisite(s) or Corequisite:* HSEM 2101

**HSEM 3120                                  Law & Ethics in HSEM                                  3 Credits                  (3-0-3)**  
Focuses on the legal, liability and ethical concepts underlying U.S. civil liberties and rights in the context of HSEM activities, from mitigation and prevention, to declarations of emergency or acts of terrorism. Topics addressed include surveillance, public health quarantine, property buyouts, federal laws passed in the aftermath of September 11, 2001, terrorists' attacks, rights of citizens and foreign nationals, government infrastructure for decisions concerning national and international legal rights, and jurisdictional issues.  
*Prerequisite(s):* HSEM 2101

**HSEM 3122                                  International Humanitarian Law                                  3 Credits                  (3-0-3)**  
An elective that provides an introduction to concepts and rules related to human rights law of armed conflict. Topics include humanitarian aid, legal principles, non-governmental organizations, the Nuremberg Charter, Geneva Convention, Genocide Convention, and background, statutes and experiences related to United Nations tribunals and the International Criminal Court.

**HSEM 3130                  Emergency Planning, Mitigation & Incident Management                  3 Credits                  (3-0-3)**  
Provides foundation knowledge and develops skills and abilities in planning, hazard mitigation and incident management. It addresses planning principles and specific types of planning including emergency operations planning, continuity of operations and continuity of government planning, and business continuity planning. It includes instruction on incident management, addressing direction, control and cooperation challenges, systems, and approaches across disciplines and levels of government. Training and exercises as key components of preparedness also are addressed.  
*Prerequisite(s) or Corequisite:* HSEM 3250

**HSEM 3140                                  Diversity Issues in HSEM                                  3 Credits                  (3-0-3)**  
Examines the extent to which HSEM practitioners and their organizations serve the needs of diverse groups, including the elderly, disabled, women, racial and ethnic groups, the poor and/or disadvantaged, and other segments of the community. The course also explores ways of expanding participation of diverse groups in the design and implementation of disaster planning and policy.  
*Prerequisite(s) or Corequisite:* HSEM 3250

**HSEM 3250                                  Risk & Vulnerability Assessment                                  3 Credits                  (3-0-3)**  
A study of a hazard identification and risk and vulnerability assessment across all types of hazards. The course provides instruction in analytical techniques and methodologies for threat and vulnerability assessment for public

and private entities. It uses an all-hazards approach to assessing risk, addressing natural, human-caused, and technological hazards, and will include cyber and critical infrastructure threats.

*Prerequisite(s) or Corequisite:* HSEM 2101

**HSEM 3260    Terrorism in the Modern World    3 Credits    (3-0-3)**

A survey of the problem of terrorism from a contemporary perspective, emphasizing political and ideological roots of terrorism. Examines the history of terrorism, domestically and internationally, the roles of religion and culture, the structures and operations of terrorist organizations, and antiterrorism policies and policymaking.

**HSEM 3360    The Intelligence Community & the Intelligence Process    3 Credits    (3-0-3)**

An elective course that examines the processes and challenges of state, local, and federal intelligence gathering and dissemination. Intelligence policy and practice will be addressed.

*Prerequisite(s):* HSEM3110

**HSEM 3400    Public Health Issues in HSEM    3 Credits    (3-0-3)**

An elective course that explores public health issues involved in homeland security and emergency management, including study of biological agents, prevention, preparedness, public health communications, pandemic planning, and public health response.

**HSEM 3510    Introduction to Geographic Information System    3 Credits    (3-0-3)**

Addresses characteristics of critical infrastructure sectors and interdependencies as well as tools and techniques for assessing risks to critical infrastructure and key resources. Students will learn how to reason about large and complex systems, analyze weaknesses, and formulate strategies to allocate resources efficiently to address protection. Students gain skills in risk analysis and development of protective measures given in practical, political, economic, and social constraints.

**HSEM 3702    Critical Infrastructure Protection    3 Credits    (3-0-3)**

Applied skills in Geographic Information Systems (GIS) are required for many entry-level careers in public and private sector emergency management, planning, engineering, public health, community development and natural-resource management. This course is an introduction to Geographic Information Systems (GIS) for undergraduate students. This course has three objectives: (1) to familiarize students with the application of GIS software and provide experience working with common sources of spatial data and analysis techniques. (2) To produce intelligent consumers of spatial information – to recognize the perils of misrepresenting spatial data and the real-world implications of bad maps. (3) To prepare students for a job market that demands GIS skills and spatial literacy.

**HSEM 3822    Tools for Decision-making in HSEM    3 Credits    (3-0-3)**

A study of technology tools and organizational and decision-making techniques useful in homeland security and emergency management. Examines use of communications, software, information management and other tools in HSEM settings. Includes use of hazard analysis and mapping software applications, including geographic information systems (GIS), and incident management technologies.

*Prerequisite(s):* HSEM 3250

**HSEM 3840    Effective HSEM Communication & Leadership    3 Credits    (3-0-3)**

Prepares future HSEM professionals with communication and leadership skills to fulfill crucial roles of communicating and team- building with individuals in government, private sector, and the community. The course will explore the need for and provide tools for developing strong communication and leadership across a spectrum of constituencies and environments, including within the incident management system, with the objective of improved outcomes in disasters.

*Prerequisite(s): or Corequisite:* HSEM3250

**HSEM 3850    Border & Port Security    3 Credits    (3-0-3)**

This course provides an examination of the different border environments and addresses the challenges associated with minimizing or eliminating the threats to border security. The course focuses on balancing the facilitation of



**HONS 3101** **Junior Honors Seminar** **3 Credits (3-0-3)**

This seminar integrates junior honors and degree curriculum with independent reading and research. Students will present their research in oral and written form in the final weeks of the course in preparation for their capstone project during their senior year. Course work includes intensive reading, research and writing peer reviews, and critical inquiry across academic disciplines.

**HONS 4101** **Senior Honors Seminar** **3 Credits (3-0-3)**

This course is designed as a capstone for majors in the honors program. Students will combine their acquired knowledge to produce a piece of original research. Students will apply theory, scientific methods (qualitative or quantitative skills) in conducting and defending their Honors thesis. This course is meant to enhance the research or capstone projects required in the major rather than add an additional research requirement. Students without a capstone requirement in the major will be expected to complete an original research project. In addition to the Honors thesis, students will also begin to prepare for their lives after graduation, be it graduate school or a job.

## Industrial Technology Management

**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.

**INTM 3201** **Cost Estimating** **3 Credits (3-0-3)**

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** **Integrated Science I** **3 Credits (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.

## Library Services

**LIBR 1101** **Research Topics** **2 Credits (2-0-2)**

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



*Prerequisite(s):* MGNT 3165

**MGNT 4170**                              **Staffing, Training, and Development**                              **3 Credits**      **(3-0-3)**  
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 4221**                              **Social Entrepreneurship**                              **3 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 4231**                              **Family Business Management**                              **3 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 4800**                              **Contemporary Topics in Management**                              **3 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 3175**                              **Principles of Marketing**                              **3 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.

**MKTG 3176**                              **Professional Selling**                              **3 Credits**      **(3-0-3)**  
Course designed to introduce the basic principles and techniques of professional selling. Students build strategies for effective selling and practice approaches to presenting products, handling objections, and closing sales. The economic and psychological motives of the buyer are examined in both industrial and consumer goods and services markets. Some special topics such as telemarketing and sales technologies are also introduced.

*Prerequisite(s):* MKTG 3175





## Mathematics Education

**MAED 2201**                      **Mathematics Literacy for Diverse Learners**                      **3 Credits**                      **(3-0-3)**

This course explores methods for teaching secondary students to read, write, think, and learn in ways that allow mastery of subject matter and meaningful application. Teacher candidates plan lessons and activities that teach content and promote literacy. Pre-, during, and post-reading strategies are explored with varied assessments that provide students with a continual view of literacy progress and achievement. Classroom adaptations for culturally and linguistically diverse population in the content areas are also addressed.

**MAED 3002**                      **Connections in Secondary Mathematics**                      **3 Credits**                      **(3-0-3)**

This course blends the mathematics of algebra, geometry, trigonometry, probability, statistics, and discrete mathematics. Connections in Secondary School Mathematics course bridges connections of all sorts: those between different mathematical areas; mathematics and science; mathematics and other subject areas; and mathematics and the real world of people, business and everyday life. The course integrates technology through the use of graphing calculators and computers, which students use to make conjectures; validate findings; and investigate concepts, problems, and projects in greater depth. The emphasis on writing and the use of alternative types of assessment in this course is designed to help the student teachers to adapt their teaching strategies in order to meet every student's need.

*Prerequisite(s):* Admission to Teacher Education Program.

**MAED 4000**                      **Special Topics**                      **1-13 Credits**                      **(V-0-V)**

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 4417**                      **Practicum in Teaching Secondary School Mathematics**                      **3 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, critical thinking, and problem solving. The course will also examine strategies and skills to engage creatively mathematics students and master teaching and assessment techniques appropriate for the implementation of the current math state standards. There are 120 field experience hours in this course. The course cannot be passed without completion of the field experience hours. Verification of professional liability insurance and a clear criminal background check are required prior to receiving a school placement. The e-portfolio is required for all education courses.

*Prerequisite(s):* Admission to Teacher Education and completion of all 3000 level education courses. This course must be taken concurrently with MAED 4416.

## Mathematics

**MATH 0996**                      **Support for Elementary Statistics**                      **2 Credits**                      **(2-0-2)**

This Learning Support course provides co-requisite support for students enrolled in MATH 1401 - Elementary Statistics. Topics will parallel topics being studied in MATH 1401 and the course will provide support for the essential skills needed to be successful in MATH 1401. Taken with MATH 1401, topics to be covered will include descriptive statistics, probability theory, confidence intervals, hypothesis testing, and other selected statistics topics.

**MATH 0997** **Support for Quantitative Reasoning** **2 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 studied in MATH 1001 that included: Sets and Set Operations, Logic, Basic Probability, Data Analysis, Modeling from Data (Scatter Plots, Regression Lines).

**MATH 0999** **Support for College Algebra** **2 Credits** **(2-0-2)**  
 A course designed to help student simultaneously address learning support mathematics requirement and complete an Area A mathematics course, MATH 1111. This course is designed to support a student taking MATH 1111 with just in time assistance. Topics will parallel topics being studied in MATH 1111 that included: the real number system, functions and polynomials, inequalities (first and second degree), systems of equations, and operations with exponential numbers (including radicals).

**MATH 1001** **Quantitative Reasoning** **3 Credits** **(3-0-3)**  
 This course is an alternative in Area A of the Core Curriculum and is not intended to supply sufficient algebraic background for students who intend to take Pre-Calculus or the calculus sequences for mathematics and science majors. This course places quantitative skills and reasoning in the context of experiences that students will be likely to encounter. It emphasizes processing information in context from a variety of representations, understanding of both the information and the processing, and understanding which conclusions can be reasonably determined.

**MATH 1111** **College Algebra** **3 Credits** **(3-0-3)**  
 A course presenting topics in algebra in a manner that will prepare students to study trigonometry and to manage their present and future daily mathematical needs. Topics included are the real number system, functions and polynomials, inequalities (first and second degree), systems of equations, and operations with exponential numbers (including radicals).

**MATH 1113** **Pre-Calculus** **3 Credits** **(3-0-3)**  
 A course designed to prepare students for a successful study of calculus. Topics include functions and their graphs, inverse functions, exponential and logarithmic functions, trigonometric functions and their inverses, analytic trigonometry, application of trigonometric functions, fundamentals of analytic geometry, and polar coordinates.  
*Prerequisite(s):* MATH 1111 or a minimum score of 500 on the SAT or equivalent ACT score

**MATH 1401** **Elementary Statistics** **3 Credits** **(3-0-3)**  
 This is a non-calculus based introduction to statistics. Course content includes descriptive statistics, probability theory, confidence intervals, hypothesis testing, and other selected statistical topics.

**MATH 2101** **Calculus I** **4 Credits** **(4-0-4)**  
 An integrated approach to differential calculus and an introduction to integral calculus. Topics include functions, graphs, the derivative, applications of the derivative, maxima and minima, velocity and acceleration, rates of change, antidifferentiation, the fundamental theorem of calculus, and basic integration techniques.  
*Prerequisite(s):* MATH 1113

**MATH 2111** **Calculus II** **4 Credits** **(4-0-4)**  
 A continuation of MATH 2101. Topics include logarithmic, exponential, and other transcendental functions, applications of integration, integration techniques. L'Hopital's rule, improper integrals, and infinite series.  
*Prerequisite(s):* MATH 2101

**MATH 2121** **Calculus III** **4 Credits** **(4-0-4)**  
 A continuation of MATH 2111. Topics include plane curves, parametric equations, polar coordinates, vectors and geometry of space, vector-valued functions, functions of several variables, partial derivatives, and multiple integrals. *Prerequisite(s):* MATH 2111



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 3401** **Modern Geometry** **4 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

**MATH 3501** **Numerical Analysis I** **3 Credits (3-0-3)**  
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 3511** **Numerical Analysis II** **3 Credits (3-0-3)**  
This is the second part of the undergraduate Numerical Analysis I course. In this course we will cover initial and boundary value problems for ordinary and partial differential equations, approximation theory (e.g., least squares approximations, Fast Fourier Transforms), eigenvalue problems, numerical solutions of nonlinear systems of equations. Students will use a high-level language and development tool, MATLAB for developing and analyzing algorithms. It will provide the hands-on computational experience which students will require to fully comprehend the theoretical aspects of the numerical methods discussed in class.

*Prerequisite(s):* MATH 3501

**MATH 4101** **Abstract Algebra I** **4 Credits (4-0-4)**  
Introductions to groups, subgroups, homomorphism's, isomorphism's, cyclic groups, permutation groups, direct products, Abelian groups, and Sylow's theorem.

*Prerequisite(s):* MATH 3211

**MATH 4111** **Abstract Algebra II** **3 Credits (3-0-3)**  
A course exploring the theory of rings, fields, integral domains, and vector spaces.

*Prerequisite(s):* MATH 4101

**MATH 4201** **Analysis I** **3 Credits (3-0-3)**  
Topics include sets and functions, the real number system, elementary topology of the real line, limits of sequence, space of continuous functions, differentiation, and Riemann integration.

*Prerequisite(s):* MATH 3211

**MATH 4211** **Analysis II** **3 Credits (3-0-3)**  
A course presenting further topics in integration, Stokes theorem, Gauss divergence theorem, infinite series, sequences and series of functions, functions of several variables, and basic measure theory.

*Prerequisite(s):* MATH 4201

**MATH 4221** **Complex Analysis** **3 Credits (3-0-3)**  
Topics include complex numbers, elementary functions, analytic functions, complex integration, Laurant and Taylor series, residues, conformal mapping, and applications.

*Prerequisite(s):* MATH 2121

**MATH 4301** **Survey of Partial Differential Equations** **3 Credits (3-0-3)**  
The course is designed to provide an introduction to some elementary partial differential equations. A number of applications to actual problems will be discussed. Students will also further develop their programming skills in MATLAB, and will use them to solve a range of problems introduced during lectures.

*Prerequisite(s):* MATH 2121 and MATH 3301

- MATH 4311** **Probability & Statistics II** **3 Credits (3-0-3)**  
 Topics include sampling theory, statistical inferences, estimation and tests of hypotheses, multivariate distribution, transformation of random variables, conditional and marginal distributions, and Bayesian estimation.  
*Prerequisite(s):* MATH 3201
- MATH 4401** **Number Theory** **3 Credits (3-0-3)**  
 Topics include the theory of mathematical induction, divisibility theory in the integers, prime numbers and their distribution, the theory of congruence and modular arithmetic, Fermat’s theorem, and number theoretic functions.  
*Prerequisite(s):* MATH 3211
- MATH 4411** **Statistical Methods** **3 Credits (3-0-3)**  
 Topics include statistical concepts and methods basic to experimental research in natural and social sciences, methods of estimation and tests of hypotheses, categorical data analysis (only to two-dimensional contingency tables), introduction to analysis of variance, correlation, regression, and experimental design.  
*Prerequisite(s):* MATH 3201
- MATH 4421** **Regression Analysis** **3 Credits (3-0-3)**  
 Topics include matrix algebra, simple linear regression, residual analysis techniques, multiple regression, nonlinear regression, dummy variables, and influence statistics.  
*Prerequisite(s):* MATH 3101 or MATH 4311
- MATH 4501** **Introduction to Topology** **3 Credits (3-0-3)**  
 Topics include fundamental concepts of topology: set theory, the real number line, continuity, compactness, connectedness, separations axioms, the axioms of choice, and metric spaces.  
*Prerequisite(s):* MATH 3211
- MATH 4601** **Mathematical Research** **3 Credits (3-0-3)**  
 A course designed for students who wish to participate in mathematics seminars and independent research. Credit varies from 1 to 3 hours.  
*Prerequisite(s):* Junior or senior standing
- MATH 4701** **History of Mathematics** **3 Credits (3-0-3)**  
 The origin and development of mathematical ideas, beginning with geometry and algebra and continuing through selected topics in modern mathematics.  
*Prerequisite(s):* MATH 2111
- MATH 4901** **Senior Seminar** **1-3 Credits (V-0-V)**  
 A course to develop students’ use of mathematical skills and a chance to explore a mathematical concept in-depth.  
*Prerequisite(s):* Junior Standing
- MATH 4902** **Senior Research/Internship** **3 Credits (3-0-3)**  
 A course to develop students’ use of mathematical skills and a chance to explore a mathematical concept in-depth.  
*Prerequisite(s):* Junior Standing
- MATH 4904** **Special Topics** **1-3 Credits (V-0-V)**  
 A discussion of current topics in mathematics.  
*Prerequisite(s):* Senior standing or as specified by the instructor
- Mechanical Engineering**
- MECT 3001K** **Computer Solid Modeling** **3 Credits (2-2-3)**  
 An introduction to the techniques of 3D modelling utilizing software widely used in industry environment. Topics include creation and editing of 3D geometric shapes, 3D printing, and structural and flow simulations.  
*Prerequisite(s):* ENGT 2101K







probability, random sampling, and estimation are covered. Also included are content-related pedagogy and best-practice instructional strategies.

**MGED 3013 Algebraic Concepts in Middle Grades Education 3 Credits (3-0-3)**  
This course explores the ‘big ideas’ in algebraic thinking. Topics include algebraic thinking, patterns in context, functions and algorithms, proportional reasoning, linear functions and slope, solving equations, nonlinear functions, and algebraic structure. Also included are content-related pedagogy and best-practice instructional strategies.

**MGED 3020 Inquiry and Literacy in Middle Grades Science 3 Credits (3-0-3)**  
This course focuses on addressing the demands required of students to comprehend discipline-specific scientific text. Strategies learned in this course support students in learning how to read a wide range of scientific genres. Students will focus on the implementation of inquiry learning and the positive aspects of this approach as related to various scientific disciplines.

**MGED 3021 Life Sciences in Middle Grades Education 3 Credits (3-0-3)**  
This course introduces the essentials of geometry as a method for problem solving. Content includes exploring the properties of geometric figures, making constructions using pencil and paper and dynamic software, using mathematical language to express ideas to justify reasoning while exploring the basis of formal mathematical proofs and solid geometry. Also included are content-related pedagogy and best-practice instructional strategies.

**MGED 3022 Physical Sciences in Middle Grade Education 3 Credits (3-0-3)**  
This course presents the basic concepts of physics including basic relationships between matter and energy, mechanics, electricity, magnetism, and waves. Topics include the conservation of energy, heat and thermal dynamics, atomic and nuclear structure, electricity, and the effective pedagogy to teach these concepts.

**MGED 3023 Earth & Space Sciences in Middle Grades Education 3 Credits (3-0-3)**  
This course examines the essential concepts pertaining to the study of the Earth as a constantly changing and dynamic system. Major topics include astronomy, meteorology, oceanography, historical geology and physical geology, as well as effective inquiry-based pedagogy to teach these concepts.

**MGED 3030 Adolescent Literature 3 Credits (3-0-3)**  
This intensive reading course presents major works and authors of adolescent literature level learners. Media literacy will include common research techniques, appropriate documentation of sources to avoid plagiarism, and locating and evaluating sources including multi-media sources.

**MGED 3031 Literary Forms and Media Literacy in Middle Grades Education 3 Credits (3-0-3)**  
This course will focus on literary devices, literary forms, and text structures for middle grades learners. Media literacy will include common research techniques, appropriate documentation of sources to avoid plagiarism, and locating and evaluating sources including multi-media sources.

**MGED 3032 Reading Methods in Middle Grades Education 3 Credits (3-0-3)**  
The focus of this course is on methods in teaching reading with an emphasis on comprehension, fluency, and vocabulary development in middle grades 4-8. Research-based, practical applications of literacy instruction and assessment, and the diagnosis and remediation of reading disabilities are addressed.

**MGED 3033 Teaching Grammar and Writing Mechanics in Middle Grades Education 3 Credits (3-0-3)**  
The focus of this course is on grammar and writing mechanics in middle level education. This course will build on essential writing skills such as sentence and paragraph construction to develop students' skills as writers.

**MGED 3034 Teaching and Evaluating Writing in Middle Grades Education 3 Credits (3-0-3)**  
The focus of this course is on the types and traits of writing and writing instruction and evaluation in middle level education. This course presents the teacher as writer and engaging students in writing for a variety of purposes and audiences.

**MGED 3040 US History in Middle Grades Education 3 Credits (3-0-3)**  
This course provides knowledge and skills for teaching U.S. and Georgia history at the middle level. Chronological accounts of major developments in Georgia and the U.S. from colonization through the current century will be explored to understand how major themes have shaped the growth of Georgia and the United States, its people, and its culture.

**MGED 3041 Geography in Middle Grades Education 3 Credits (3-0-3)**  
Geographic literacy, map skills, physical geography, and human geography are explored within the context of middle school geography standards. Skills needed to teach fundamental knowledge related to U.S. and World geography and its relationship to patterns of cultural, governmental, and economic activities will be studied.

**MGED 3042 Government and Civics in Middle Grades Education 3 Credits (3-0-3)**  
This course provides the foundation knowledge required to teach government and civics at the middle school level. Key concepts include the study of the Constitution, federalism, political parties and citizenship. International structures and systems will also be explained.

**MGED 3054 Fundamentals of Economics in Middle Grades Education 3 Credits (3-0-3)**  
This course differentiates between microeconomics and macroeconomics and teaches how that knowledge can be applied in the middle level social studies curriculum. Market structures, GDP, unemployment, and inflation are included as well as how government intervention and policy affect the US and global economies.

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

**MGED 4100 Methods and Research in Middle Grades Education 3 Credits (3-0-3)**  
Teacher candidates will advance their practical understanding of educational research specific to middle grades education and the theories of teaching and learning. The course introduces the language of research, ethical principles, and elements of quantitative and qualitative research approaches. Candidates will use these theoretical underpinnings to begin to critically review and use literature related to research-based methods relevant to their middle grade content areas in planning, instruction, and assessment.  
*Prerequisite:* Prior admission to the Teacher Education Program is required.

**MGED 4410 Practicum in Teaching Middle Grades Social Studies 3 Credits (3-0-3)**  
This course engages students in teaching concepts in middle grades social studies in a middle school setting while receiving additional training in effective instructional methods and assessment strategies appropriate for middle level learners. Successful completion of 60 field hours is required in this course.  
*Prerequisite:* Prior admission to the Teacher Education Program is required.  
*Corequisite:* MGED 4100

**MGED 4411 Practicum in Teaching Middle Grades English/Language Arts 3 Credits (3-0-3)**  
This course engages students in teaching concepts in middle grades literacy that encompass English and the language arts in a middle school setting while receiving additional training in effective instructional methods and assessment strategies appropriate for middle level learners. Successful completion of 60 field hours is required in this course.  
*Prerequisite:* Prior admission to the Teacher Education Program is required.  
*Corequisite:* MGED 4100

**MGED 4412 Practicum in Teaching Middle Grades Mathematics 3 Credits (3-0-3)**

This course engages students in teaching concepts in middle grades mathematics with a focus on integrated STEM education in a middle school setting while receiving additional training in effective instructional methods and assessment strategies appropriate for middle level learners. Successful completion of 60 field hours is required in this course.

*Prerequisite:* Prior admission to the Teacher Education Program is required.

*Corequisite:* MGED 4100

**MGED 4413                      Practicum in Teaching Middle Grades Science                      3 Credits                      (3-0-3)**

This course engages students in teaching concepts in middle grades science with a focus on integrated STEM education in a middle school setting while receiving additional training in effective instructional methods and assessment strategies appropriate for middle level learners. Successful completion of 60 field hours is required in this course.

*Prerequisite:* Prior admission to the Teacher Education Program is required.

*Corequisite:* MGED 4100

## **Military Science**

**MILS 1101                      Introduction to Military Science & Skills Development                      2 Credits                      (2-0-2)**

Instruction providing a basic understanding of the U.S. military. The course includes the following subjects: the role of the U.S. Army in national defense, organization and branches of the U.S. Army, ROTC and its role, customs and traditions of the service, military writing, implementing a personal physical fitness program, role of the ARNG and USAR, and roles of the commissioned and noncommissioned officer. Skills development includes instruction and practical exercises in basic mountaineering skills as well as knot tying, belaying, and rappelling. This course is acceptable as a PE requirement. MILS 1101L should be taken concurrently.

**MILS 1102                      Basic Military Leadership                      2 Credits                      (2-1-2)**

This course continues the development of critical military skills, leadership, and management techniques. It provides basic leadership techniques and principles, professional ethics, and senior subordinate relationships. One weekend field trip is required. MILS 1102L should be taken concurrently.

**MILS 2201                      Basic Military Skills                      2 Credits                      (2-1-2)**

Instruction and practical exercises covering basic skills necessary as future leader in the U.S. Army. Includes the following subjects: land navigation and map reading, basic first aid, survival and communications. MILS 2201L should be taken concurrently.

**MILS 2202                      Basic Military Tactics                      2 Credits                      (2-1-2)**

Instruction introduces students to the fundamentals of Army leadership and management techniques. Focus is placed on the mission, organization and composition of small unit teams; principles of offensive and defensive operations stressing firepower, movement and communication techniques; and introduction to troop leading procedures. MILS 2202L should be taken concurrently.

**MILS 3301                      Advanced Tactics & Applied Leadership I                      3 Credits                      (3-2-3)**

Instruction on the principles of leadership and the leader's role in directing small units in a variety of tactical scenarios. Emphasis is placed on developing and executing orders, troop leading procedures, and squad tactical reaction procedures. Land navigation and communication subjects are also included in the course. MILS 3301L should be taken concurrently.

*Prerequisite(s):* Completion of or placement credit for the Basic Course

**MILS 3302                      Advanced Tactics & Applied Leadership II                      3 Credits                      (3-0-3)**

Continued instruction on the principles of leadership and the leader's role in direction of small units in a tactical environment. Emphasis is placed on offensive and defensive tactics, patrolling techniques, and conducting after-action reviews. Instruction in management and leadership techniques emphasizes Green Tab Leadership and leadership assessment. MILS 3302L should be taken concurrently.

*Prerequisite(s):* MILS 3301

**MILS 4401**                      **Military Leadership & Management Seminar**                      **3 Credits**                      **(3-0-3)**  
Instruction covers U.S. Army Command and Staff functions. Military and professional knowledge topics include writing in the Army style, oral communications, conducting briefings, preparing to conduct training, and evaluating training. MILS 4401L should be taken concurrently.  
*Prerequisite(s):* MILS 3301 and MILS 3302

**MILS 4402**                      **Transition to Lieutenant**                      **3 Credits**                      **(2-1-3)**  
Instruction prepares MS IV cadets in their transition from cadet/student to commissioned officer. The course also covers military law, the law of land warfare, and additional basic knowledge and individual needs to become a professional officer. MILS 4402L should be taken concurrently.  
*Prerequisite(s):* MILS 4401

## **Marine Sciences**

**MSCI 1501K**                      **Introduction to Marine Biology**                      **4 Credits**                      **(3-1-4)**  
Introduction to the form, function, classification, and ecology of marine organisms and ocean literacy principles. Ocean literacy is an understanding of the ocean's influence on human kind and human kind's influence on the ocean. An ocean-literate person understands the essential principles and fundamental concepts, can communicate about the oceans in a meaningful way, and is able to make informed and responsible decisions regarding the oceans and ocean resources.

**MSCI 1701**                      **Introduction to Aquarium Science**                      **3 Credits**                      **(3-0-3)**  
An introduction to the care and maintenance of captive aquatic plants and animals.

**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**                      **Aquarium Systems I**                      **4 Credits**                      **(3-1-4)**  
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 large-scale aquaria. Fundamental physical, chemical, and biological properties modified by these systems are discussed. Emphasis is placed on developing a working knowledge of the equipment necessary to maintain healthy aquatic environments. Overview of techniques to promote reproduction and sustaining long-term and multi-generational culture. Discusses current research improving high-density culture of commercial species. Laboratory experiences will include analytical techniques, equipment maintenance and repair, active culture maintenance over the semester.  
*Prerequisite(s):* MSCI 2701K Aquarium Systems I





## Music

<b>MUSC 1000</b>	<b>Recital Hour</b>	<b>0 Credits</b>	<b>(0-0-0)</b>
Recital Hour			
<b>MUSC 1101</b>	<b>Music Appreciation</b>	<b>3 Credits</b>	<b>(3-0-3)</b>
An introductory music course which emphasizes the repertoire most frequently heard in concert halls today—music from the baroque period to the present. Course content includes jazz, American popular idioms, and music from a wide span of cultures, including Indian, Arabic, Indonesian, African, Japanese, and Chinese.			
<b>MUSC 1201</b>	<b>Fundamentals of Music</b>	<b>3 Credits</b>	<b>(3-0-3)</b>
Course in rudiments of music designed for non-music majors.			
<b>MUSC 1311</b>	<b>Theory I</b>	<b>3 Credits</b>	<b>(3-0-3)</b>
Course in notation, time signatures, major and minor scales, intervals, melodic and rhythmic problems, sight-reading and musical dictation.			
<b>MUSC 1408</b>	<b>University Marching Band</b>	<b>1 Credit</b>	<b>(1-0-1)</b>
A course that focuses on band performance and technique development. Freshman level.			
<b>MUSC 1409</b>	<b>University Marching Band</b>	<b>1 Credit</b>	<b>(1-0-1)</b>
A continuation of MUSC 1408.			
<b>MUSC 1421</b>	<b>Applied Major Area Band Instrument</b>	<b>1 Credit</b>	<b>(1-0-1)</b>
A private lesson held in the percussion studio for one hour a week by appointment only. Freshman level.			
<b>MUSC 1422</b>	<b>Applied Major Area Band Instrument</b>	<b>1 Credit</b>	<b>(1-0-1)</b>
A continuation of MUSC 1421.			
<b>MUSC 1455</b>	<b>Jazz Ensemble</b>	<b>1 Credit</b>	<b>(1-0-1)</b>
A course designed to expose students to composers and arrangers of jazz, rock, and soul music. Improvisation also included.			
<b>MUSC 1456</b>	<b>Jazz Ensemble</b>	<b>1 Credit</b>	<b>(1-0-1)</b>
A course designed to expose students to composers and arrangers of jazz, rock, and soul music. Improvisation also included.			
<b>MUSC 1534</b>	<b>Applied Major Area Piano</b>	<b>1 Credit</b>	<b>(1-0-1)</b>
A course devoted to the development of the proficiency in a specific area of applied music selected by the student with consent of the advisor. Regular lessons and periodic performance expected.			
<b>MUSC 1542</b>	<b>Jazz Ensemble</b>	<b>1 Credit</b>	<b>(1-0-1)</b>
A basic course in the elements of piano playing. The course will cover practical playing skills, technical study, ensemble playing, sight-reading, harmonization and study of solo repertoire.			
<b>MUSC 1561</b>	<b>Class Piano I</b>	<b>1 Credit</b>	<b>(1-0-1)</b>
This is the first in a four-semester sequence of courses designed to develop the keyboard skills which are essential for all musicians. These skills include keyboard technique (scales, arpeggios, etc.) sight-reading, improvisation, transposition, accompaniment, open-score reading, performance of harmonic progressions, harmonization of melodies, ensemble playing, and performance of solo repertoire. Many of the theoretical concepts introduced in theory classes will be reinforced in this course by the playing of scales, arpeggios and chord progressions.			
<b>MUSC 1608</b>	<b>Basic Keyboard (non-majors)</b>	<b>3 Credits</b>	<b>(3-0-3)</b>

The official choir of Savannah State University. The choir studies and performs standard choral literature encompassing music from the pre-Baroque style to 20th century music and beyond. The choir makes appearances in support of the University. Freshman level.

**MUSC 1609** **Choral Organization** **1 Credit** **(1-0-1)**  
A continuation of MUSC 1608.

**MUSC 1644** **Applied Major Area Voice** **1 Credit** **(1-0-1)**  
This course is designed to improve vocal technique, musical ability, interpretive choices, stylistic knowledge and performance skills. Singer musicianship will be achieved through weekly lessons individual practice of the materials assigned and through your participation in performance opportunities.

**MUSC 1651** **Class Voice** **1 Credit** **(1-0-1)**  
This course is designed for the musician who wishes to learn more about the vocal apparatus and strives to improve their personal singing ability. In the class voice setting, basic technical principles are stressed in accordance with the student's current performance ability. Strategies are chosen, musical understanding, expressive performance and musical taste.

**MUSC 1711** **Opera/Musical Theatre Workshop** **1 Credit** **(1-0-1)**  
Opera/Musical Theatre Workshop is a select course for moderate to advanced classical singers. Topics include the musical, linguistic and dramatic preparation of roles and scenes from the operatic, operetta and musical theatre repertory. In addition, the student will learn more about the history and literature of these genres as well as the industry (auditioning, young artist programs, etc.)

**MUSC 1808** **Symphonic Band** **1 Credit** **(1-0-1)**  
A course that involves the official percussion ensemble of Savannah State University which studies and performs chamber and ensemble music. The group performs at various functions on and off campus in support of the university. Freshman level.

**MUSC 1809** **Symphonic Band** **1 Credit** **(1-0-1)**  
A continuation of MUSC 1808.

**MUSC 2101** **Theory II** **3 Credits** **(3-0-3)**  
Course covering concepts such as diatonic harmony, modulation, chromatic chords, modes, harmonization from melody and bass, analysis of examples.

**MUSC 2408** **Band Organization** **1 Credit** **(1-0-1)**  
A course that focuses on band performance and technique development. Sophomore Level.

**MUSC 2409** **Band Organization** **1 Credit** **(1-0-1)**  
A continuation of MUSC 2408.

**MUSC 2421** **Instrument Methods I** **2 Credit** **(2-0-2)**  
An introduction to the principles of instrumental performance and pedagogy. Focus on technique and group performance.

**MUSC 2431** **Applied Major Area Instrument** **1 Credit** **(1-0-1)**  
A private lesson held in the percussion studio for one hour a week by appointment only. Sophomore level.

**MUSC 2432** **Applied Major Area Instrument** **1 Credit** **(1-0-1)**  
A continuation of MUSC 2431.

**MUSC 2455** **Jazz Ensemble** **1 Credit** **(1-0-1)**



A course designed to expose students to composers and arrangers of jazz, rock, and soul music. Improvisation also included.

**MUSC 2456** **Jazz Ensemble** **1 Credit** **(1-0-1)**  
A course designed to expose students to composers and arrangers of jazz, rock, and soul music. Improvisation also included.

**MUSC 2522** **Keyboard I** **2 Credits** **(2-0-2)**  
A continuation of MUSC 1542. The course will further develop student skills in practical playing skills, technical study, ensemble playing, sight-reading, harmonization and study of solo repertoire.  
*Prerequisite(s):* MUSC 1201 or MUSC1542

**MUSC 2534** **Applied Major Piano** **1 Credit** **(1-0-1)**  
Applied Major Piano

**MUSC 2561** **Class Piano III** **1 Credit** **(1-0-1)**  
This is the third in a four-semester sequence of courses designed to develop the keyboard skills which are essential for all musicians. These skills include keyboard technique (scales, arpeggios, etc.) sight-reading, improvisation, transposition, accompaniment, open-score reading, performance of harmonic progressions, harmonization of melodies, ensemble playing, and performance of solo repertoire, many of the theoretical concepts introduced in theory classes will be reinforced in this course by the playing of scales, arpeggios and chord progressions.

**MUSC 2608** **Choral Organization** **1 Credit** **(1-0-1)**  
The choir studies and performs standard choral literature encompassing music from the pre-Baroque style to 20th century music and beyond. The choir makes appearances in support of the University. Sophomore level.

**MUSC 2609** **Choral Organization** **1 Credit** **(1-0-1)**  
A continuation of MUSC 2608.

**MUSC 2644** **Applied Major Voice** **1 Credit** **(1-0-1)**  
A course devoted to the development of proficiency in a specific area of applied music selected by the student with the consent of advisor. Regular lessons scheduled and periodic performances expected

**MUSC 2645** **Vocal Performance I** **2 Credits** **(2-0-2)**  
Students will learn healthy vocal techniques, and then study several songs and apply the techniques to the new repertoire. Students will learn a classical vocal approach.

**MUSC 2646** **Voice Performance II** **2 Credits** **(2-0-2)**  
Students will learn healthy vocal techniques, and then study several songs and apply the techniques to the new repertoire. Students will learn a classical vocal approach.

**MUSC 2808** **Symphonic Band** **1 Credit** **(1-0-1)**  
A course that involves the official percussion ensemble of Savannah State University which studies and performs chamber and ensemble music. The group performs at various functions on and off campus in support of the university. Sophomore level.

**MUSC 2809** **Symphonic Band** **1 Credit** **(1-0-1)**  
A continuation of MUSC 2808.

**MUSC 3011** **African-American Music** **3 Credits** **(3-0-3)**  
A cultural analysis of African folk music and its influence upon the development of spirituals, work songs, and jazz. Contributions of African-American music to both popular and classical traditions studied.

**MUSC 3101** **African American Music at the Piano** **3 Credits** **(3-0-3)**



<b>MUSC 3534</b> Applied Major Piano	<b>Applied Major Piano</b>	<b>1 Credit</b>	<b>(1-0-1)</b>
<b>MUSC 3560</b> This course introduces the student to basic aspects of piano pedagogy, and covers methods and materials for teaching beginners (Adults and Children) at the piano. This course does not concentrate on the student's personal technical development at the keyboard. Students will earn practical experience by themselves teaching at the piano, and may be required to find a suitable student to teach. <i>Prerequisite(s):</i> MUSC 3531	<b>Piano Pedagogy</b>	<b>1 Credit</b>	<b>(1-0-1)</b>
<b>MUSC 3608</b> The choir studies and performs standard choral literature encompassing music from the pre-Baroque style to 20th century music and beyond. The choir makes appearances in support of the University. Junior level.	<b>Choral Organization</b>	<b>1 Credit</b>	<b>(1-0-1)</b>
<b>MUSC 3609</b> A continuation of MUSC 3608.	<b>Choral Organization</b>	<b>1 Credit</b>	<b>(1-0-1)</b>
<b>MUSC 3644</b> A course devoted to the development of proficiency in a specific area of applied music selected by the student with the consent of advisor. Regular lessons scheduled and periodic performances expected.	<b>Applied Major Area—Voice</b>	<b>1 Credit</b>	<b>(1-0-1)</b>
<b>MUSC 3645</b> A continuation of MUSC 3644.	<b>Applied Major Area—Voice</b>	<b>1 Credit</b>	<b>(1-0-1)</b>
<b>MUSC 3646</b> Continuation of MUSC 2646 which includes more challenging vocal repertoire.	<b>Voice Methods</b>	<b>1 Credit</b>	<b>(1-0-1)</b>
<b>MUSC 3651</b> A course to assist students with the pronunciation and sounds of English, Italian, French, and German for good vocal performance.	<b>Vocal Diction I</b>	<b>1 Credit</b>	<b>(1-0-1)</b>
<b>MUSC 3652</b> A continuation of MUSC 3651.	<b>Vocal Diction II</b>	<b>2 Credits</b>	<b>(2-0-2)</b>
<b>MUSC 3653</b> Methods and materials for the studio.	<b>Vocal Pedagogy</b>	<b>2 Credits</b>	<b>(2-0-2)</b>
<b>MUSC 3711</b> 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.)	<b>Opera/Musical Theatre Workshop</b>	<b>1 Credits</b>	<b>(1-0-1)</b>
<b>MUSC 3751</b> A study of the techniques of conducting and interpretation of instrumental and choral literature.	<b>Conducting</b>	<b>3 Credits</b>	<b>(3-0-3)</b>
<b>MUSC 3808</b> A course that involves the official percussion ensemble of Savannah State University which studies and performs chamber and ensemble music. The group performs at various functions on and off campus in support of the university. Junior level.	<b>Chamber Organization</b>	<b>1 Credit</b>	<b>(1-0-1)</b>
<b>MUSC 3809</b> A continuation of MUSC 3808. Junior level.	<b>Chamber Organization</b>	<b>1 Credit</b>	<b>(1-0-1)</b>

<b>MUSC 4010</b>	<b>Contemporary Music</b>	<b>3 Credits</b>	<b>(3-0-3)</b>
A study of compositions written since 1900 with emphasis upon recent developments in form, compositional techniques, and new media of musical expression.			
<b>MUSC 4011</b>	<b>Theory IV: Counterpoint and Composition</b>	<b>3 Credits</b>	<b>(3-0-3)</b>
A study of the construction of music from the eighteenth century to the present, including melodic and harmonic analysis of selections by major composers.			
<i>Prerequisite(s):</i> MUSC 3111			
<b>MUSC 4408</b>	<b>Band Organization</b>	<b>1 Credit</b>	<b>(1-0-1)</b>
A course that focuses on band performance and technique development. Senior level.			
<b>MUSC 4409</b>	<b>Band Organization</b>	<b>1 Credit</b>	<b>(1-0-1)</b>
A continuation of MUSC 4408.			
<b>MUSC 4420</b>	<b>Instrumental Pedagogy</b>	<b>2 Credits</b>	<b>(2-0-2)</b>
A course designed to use comprehensive methods and materials in understanding the repertoire of instrumental music.			
<b>MUSC 4421</b>	<b>Applied Major Area Instrument</b>	<b>1 Credit</b>	<b>(1-0-1)</b>
A private lesson held in the percussion studio for one hour a week by appointment only. Senior level.			
<b>MUSC 4531</b>	<b>Accompaniment</b>	<b>1 Credits</b>	<b>(1-0-1)</b>
The course is designed to introduce students to the art of piano collaboration. Practical skills including sight-reading and ensemble development will be addressed. Time will be devoted exploring standard works from the vocal and instrumental repertoires, which are intended to prepare the student for graduate study as well as professional work as a collaborator.			
<b>MUSC 4534</b>	<b>Applied Major Area Piano</b>	<b>1 Credits</b>	<b>(1-0-1)</b>
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.			
<b>MUSC 4536</b>	<b>Keyboard II</b>	<b>3 Credits</b>	<b>(2-0-2)</b>
Involves a higher level of technical proficiency concentrating on repertoire from the Romantic and Impressionistic eras. <i>Prerequisite(s):</i> MUSC 2522			
<b>MUSC 4455</b>	<b>Jazz Ensemble</b>	<b>1 Credit</b>	<b>(1-0-1)</b>
A course designed to expose students to composers and arrangers of jazz, rock, and soul music. Improvisation also included.			
<b>MUSC 4456</b>	<b>Jazz Ensemble</b>	<b>1 Credit</b>	<b>(1-0-1)</b>
A course designed to expose students to composers and arrangers of jazz, rock, and soul music. Improvisation also included.			
<b>MUSC 4608</b>	<b>Choral Organization</b>	<b>1 Credit</b>	<b>(1-0-1)</b>
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.			
<b>MUSC 4609</b>	<b>Choral Organization</b>	<b>1 Credit</b>	<b>(1-0-1)</b>
A continuation of MUSC 4608.			
<b>MUSC 4611</b>	<b>Accompaniment</b>	<b>1 Credit</b>	<b>(1-0-1)</b>

A practical approach to the presentation of musical scores for collaborative piano playing with a singer, instrumentalist, or chorus. A large variety of repertoire will be examined.

*Prerequisite(s):* MUSC 3531 or permission from the instructor

**MUSC 4644**                      **Applied Major Area—Voice (Music Majors Only)**                      **1 Credit**                      **(1-0-1)**  
A course devoted to the development of proficiency in a specific area of applied music selected by the student with the consent of advisor.

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

**MUSC 4711**                                      **Opera/Musical Theatre Workshop**                                      **1 Credits**                      **(1-0-1)**  
Opera/Musical Theatre Workshop is a select course for moderate to advanced classical singers. Topics include the musical, linguistic and dramatic preparation of roles and scenes from the operatic, operetta and musical theatre repertory. In addition, the student will learn more about the history and literature of these genres as well as the industry (auditioning, young artist programs, etc.)

**MUSC 4808**                                      **Chamber Organization**                                      **1 Credit**                      **(1-0-1)**  
A course that involves the official percussion ensemble of Savannah State University which studies and performs chamber and ensemble music. The group performs at various functions on and off campus in support of the university. Senior level.

**MUSC 4809**                                      **Chamber Organization**                                      **1 Credit**                      **(1-0-1)**  
A continuation of MUSC 4808.

**MUSC 4999**                                      **Seminar/Practicum/Internship**                                      **3 Credits**                      **(3-0-3)**  
A senior level course with two components: 1) Off-campus, on-the-job observation and training with the students pursuing professional work in a variety of traditional and non-traditional careers appropriate to their academic program. An internship must be completed at 100 clock hours for 3 credits. 2). Students must have an understanding of the various kinds of research as well as knowledge in their field of concentration in preparation for graduate schools and vocational entry positions. Students must show competence and skills in their field of study, prepare for successful completion of the departmental exit examination, and prepare a marketable project in the field of study.

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

## Naval Science

**NSCI 1001**                                      **Introduction to Naval Science**                                      **3 Credits**                      **(3-0-3)**  
Introduce midshipmen to NROTC program mission, organization, regulations and broad warfare components of the naval service. Included is an overview of officer and enlisted rank and rating structure, training and education, promotion and advancement and retirement policies. This course also covers naval courtesy and customs, as well as a study of the organization of the naval service. Students are familiarized with the major challenges facing today's naval officers, especially, in the areas of leadership and human resources management.

**NSCI 1002**                                      **Seapower & Maritime Affairs**                                      **3 Credits**                      **(3-0-3)**  
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 Leadership & Management 3 Credits (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 Navigation 3 Credits (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.

**NSCI 3004 Naval Operations & Seamanship 3 Credits (3-0-3)**

A study of basic naval command and control, forms of naval communications to include visual, radiotelephone and satellite systems. Students will know basic terms, equipment procedures and safety precautions used for replenishment at sea (UNREP). A study of controllable and non-controllable forces in ship handling, and comprehends relative motion and demonstrates capability to solve problems associated with relative motion. Students will also know the principle rules for maneuvering ships in formations and the use of tactical publications. Understand in port and at sea watch organization and procedures.

*Prerequisite(s):* NSCI 3003 Navigation

**NSCI 3101 Evolution of Warfare 3 Credits (3-0-3)**

This course traces the historical development of warfare from the dawn of recorded history to the present, focusing on the impact of major military theorists, strategist, tacticians, and technological developments. Students acquire a basic sense of strategy, development and understanding of military alternatives, and become aware of the impact of historical precedent on military thought and actions.

**NSCI 4001 Naval Ships Systems II Weapons 3 Credits (3-0-3)**

This course outlines the theory and employment of naval RADAR, SONAR, and weapons systems. Students explore the processes of detection, evaluation, threat analysis, weapon selection, delivery, guidance and naval ordnance. Fire control systems, major weapons types, and military platforms are discussed. The concept of command-control- communications and intelligence is explored as a means of weapons systems integration as are space and electronic warfare.

**NSCI 4050 Naval Drill 0 Credits (0-0-0)**

Introduces the student to basic military formations, movements, commands, courtesies and honors, and provides practice in unit leadership and management. Physical conditioning and training are provided to ensure students meet Navy/Marine Corps physical fitness standards. NSCI 4050 is required each semester for all NROTC students.

**NSCI 4103 Fundamentals of Maneuver Warfare 3 Credits (3-0-3)**

The purpose of this course is to introduce the student to the foundational concepts and history of the USMC as the premier Maneuver Warfighting Organization. It is a theoretical class that utilizes both historical examples from

previous military operations as well as current doctrine, developing an individual who is both a critical thinker and scholar in the profession of arms. The goal is to educate the student to read military history analytically not to memorize facts. The foundation for the course occurs in Module One - Fundamental concepts and Themes. Module Two lays out the doctrine of maneuver warfare and Module Three describes the future of the Marine Corps and how it will continue to apply and advance the maneuver warfare philosophy and concept.

**NSCI 4104 Leadership and Ethics 3 Credits (3-0-3)**

A study of military leadership and management which investigates techniques and concepts of task accomplishment in the absence of a normative business environment. The course includes an examination of military law, ethical leadership, personal responsibility, authority and bureaucracy. The focus of discussion is on those aspects of leadership and management not normally present in civilian enterprise such as operation in the presence of hostility and morale management.

Travel in conjunction with Course NSCI 4104: Savannah State University Navy ROTC with appropriated funding from Savannah State University College of Science and Technology (COST), may be offered opportunities for class participation in selected leadership conferences that are considered part of the course credit. Travel offerings associated with NSCI 4104 will be announced and selection criteria for attendance will be based on Professor of Naval Science recommendations to Dean of COST, Savannah State University.

*Prerequisite(s):* NSCI 2102

**Philosophy**

**PHIL 2010 Introduction to Philosophy 3 Credits (3-0-3)**

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

**PHIL 2030 Introduction to Ethics 3 Credits (3-0-3)**

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 Philosophy of Religion 3 Credits (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 (3-0-3)**

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

**PHIL 4211 Philosophies of the African-American Experience 3 Credits (3-0-3)**

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** **Introduction Geoscience I & Lab** **4 Credits (4-0-4)**

A course designed for students majoring in environmental science. The course is also useful for students majoring in civil engineering, marine science, and naval science who may take it as an elective. Topics include composition of the earth and its minerals, volcanoes, and earthquakes and their causes.

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

**PHSC 1011K** **Physical Science I** **4 Credits (4-0-4)**

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

**PHSC 1012K** **Physical Science II** **4 Credits (4-0-4)**

A study of the earth in space, its form on the geographic grid, and map projections, atmosphere; oceans, ocean tides, and the eclipses; climate; soils and vegetation; temperature; latitude; heat budget of the earth. The earth's crust and its relief forms are discussed.

## Physics

**PHYS 1111K** **Introductory Physics I** **4 Credits (3-1-4)**

An introductory course, which includes material from mechanics, thermodynamics, and waves. Elementary algebra and trigonometry are examined.

*Prerequisite(s):* MATH 1113

**PHYS 1112K** **Introductory Physics II** **4 Credits (3-1-4)**

An introductory course, which includes material from electromagnetism, optics, and modern physics. Elementary algebra and trigonometry are examined.

*Prerequisite(s):* PHYS 1111K

**PHYS 2211K** **Principles of Physics I** **4 Credits (4-0-4)**

An introductory course, which includes material from mechanics, thermodynamics, and waves. Elementary differential calculus is used.

*Prerequisite(s):* MATH 2101 or MATH 2501

**PHYS 2212K** **Principles of Physics II** **4 Credits (4-0-4)**

An introductory course, which includes material from electromagnetism, optics, and modern physics. Elementary differential and integral calculus are examined.

*Prerequisite(s):* PHYS 2211K





A study of the methods, political environment, political structures, participation and socialization, public policy processes of selected political systems.

**POLS 3121** **International Law** **3 Credits (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** **3 Credits (3-0-3)**  
A study of the origins and evolution of international organizations, with emphasis on the United Nations and specialized agencies; factors favoring and impeding their development and their effect on political, economic, and social issues.  
*Prerequisite(s):* POLS 2101, POLS 3101

**POLS 3141** **African Government & Politics** **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, 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 1101

**POLS 3502** **Non-Profit Organizations** **3 Credits (3-0-3)**



An individually designed course/project involving off-campus study and research in a government or private agency; designed to require the full semester for completion; joint supervision of the sponsoring organization and the faculty advisor; credit arranged by the faculty advisor.

*Prerequisite(s):* Permission of the instructor

**POLS 4000** **Special Topics** **3 Credits (3-0-3)**  
Special topics course will allow for different courses to be offered based on various topics chosen by faculty members or resulting from student requests. This will allow for current issues to be addressed, as well as courses by visiting and adjunct faculty. The course will be taught as a regular course with several students attending the same classes and laboratories (if offered).

**POLS 4101** **Environmental Law** **3 Credits (3-0-3)**  
A study of the legal processes relating to resource conservation, utilization, and the monitoring, control, and abatement of pollution of air, land, and water.

**POLS 4201** **Political Theory** **3 Credits (3-0-3)**  
An examination of the theoretical approaches to the basic political concepts in their historical context.  
*Prerequisite(s):* HIST 1101, HIST 1102; and POLS 2101 or permission of the instructor

**POLS 4211** **Contemporary Political Theory** **3 Credits (3-0-3)**  
An analytical review of the writing of great thinkers from the end of the Middle Ages to the present; emphasis on recent political ideologies.  
*Prerequisite(s):* POLS 2101, POLS 4201

**POLS 4221** **American Political Thought** **3 Credits (3-0-3)**  
A study of origins and development of American political thought from the colonial period to the present, emphasis on black political thought and current liberal-conservative debate.

**POLS 4311** **Legislative Process** **3 Credits (3-0-3)**  
An introduction and examination of the political systems of selected countries in Africa, Asia, Caribbean, and Latin America.  
*Prerequisite(s):* POLS 3102

**POLS 4501** **The Media & Politics** **3 Credits (3-0-3)**  
An examination of the role of the media in American politics; includes the media's impact on the electoral process and its role as a check on the president and other elected officials.

**POLS 4511** **Public Policy** **3 Credits (3-0-3)**  
A study of how the federal government perceives public issues, processes them, and executes public policies; an examination of the various decision-making theories; emphasis on case studies.  
*Prerequisite(s):* POLS 1101

**POLS 4521** **Party Politics & Voting Behavior** **3 Credits (3-0-3)**  
An analysis of the evolution, nature, and role of American political parties; an examination of each of the major party systems and the literature on voting behavior with emphasis on the problems and methods of studying voting.

**POLS 4601** **American Foreign Policy** **3 Credits (3-0-3)**  
A survey of the objectives and the formulation of American foreign policy.  
*Prerequisite(s):* POLS 1101

**POLS 4611** **American National Security Policy** **3 Credits (3-0-3)**  
A study of organizations and processes involved in the formulation and execution of American national security policy; topics on nuclear strategy bureaucratic politics, and the programming and budgeting process.  
*Prerequisite(s):* POLS 1101 or permission of instructor



**PSYC 4201** **Health Psychology** **3 Credits (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

**PSYC 4311/AFRS 4311** **Psychology of the African-American Experience** **3 Credits (3-0-3)**  
An overview of contemporary topics in Black psychology, including self-concept, achievement, motivation, and the Black family.  
Prerequisite(s): PSYC 1101

**PSYC 4601** **Diagnostic Psychology** **3 Credits (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): Specific prerequisites will depend on the topic

**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 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, PSYC 4101

## Religious Studies

**RELS 2050** **Religions of the World** **3 Credits (3-0-3)**  
This course is a study of selected world religions with concentration on the origin and major periods of the conceptual, scriptural, and doctrinal development of these religions.

**RELS 3121** **The Bible as Literature: Intro to the Hebrew Bible** **3 Credits (3-0-3)**  
An introduction to the books of the Hebrew Bible, with emphasis on rhetorical and literary-critical analysis.  
Prerequisite(s): ENGL 1102

**RELS 3122** **The Bible as Literature: Intro New Testament & Apocrypha** **3 Credits (3-0-3)**  
An introduction to the books of the New Testament and the Apocrypha, with emphasis on rhetorical and literary-critical analysis.  
Prerequisite(s): ENGL 1102

**RELS 3231** **Introduction to Eastern Religions** **3 Credits (3-0-3)**  
A study of the teachings of Taoism, Confucianism, Hinduism, and the various sects of Buddhism.  
Prerequisite(s): PHIL 2010 or permission of the instructor

**RELS 4221** **The Jewish & Islamic Traditions** **3 Credits (3-0-3)**  
A study of religious thought as it has influenced the Old Testament, the New Testament, and the Koran.  
Prerequisite(s): PHIL 2010 or permission of the instructor

**RELS 4311** **Mysticism** **3 Credits (3-0-3)**  
A survey of the common threads of mysticism found in Hinduism, Buddhism, the Sufi sect of Islam, Christianity, and the literature of Persia, China, Japan, India, and western civilization.



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 2101/SOWK 2101** **Social Statistics** **3 Credits (3-0-3)**

An introduction to statistical methods relevant to sociological research, social work theory and practice, and the social sciences in general; the integration of user-friendly statistical software packages in the social sciences (e.g. CHIPPENDALE SHOWCASE).

**SOCI 3036** **Social Stratification** **3 Credits (3-0-3)**

This course examines and analyzes global perspective of social stratification. The course explores social factors that are used to stratify people in the world as well as the consequences of social inequality.

**SOCI 3101** **The Family** **3 Credits (3-0-3)**

A study of the role of the family in the development of the individual family formation and disintegration, cross-cultural and sub-cultural variations in family structure and experience, and the future of the family.

*Prerequisite(s):* SOCI 1101

**SOCI 3122** **Sociology of Poverty** **3 Credits (3-0-3)**

This course examines theories on the causes of poverty and provides an examination of empirical studies concerning the trends and determinants of poverty.

**SOCI 3201** **Classical Theory** **3 Credits (3-0-3)**

This course will focus on the pivotal theories contributed not only to the development of the field of sociology but also to the evolution of ideas concerning social life.

*Prerequisite(s):* SOCI 1101

**SOCI 3202** **Health Disparities** **3 Credits (3-0-3)**

Students will be introduced to the stress-exposure disease framework for understanding the relationships among race, environmental conditions and health. The course also offers the exposure-disease paradigm that shows how environmental toxicants cause disease. Students will be exposed to structural factors pertinent to environmental health disparities including the local and national economy, neighborhood physical conditions, land use patterns, and health infrastructure.















**SPEH 2111** **Oral Interpretation** **3 Credits (3-0-3)**  
Intensive study and practice in the oral interpretation of poetry, prose, and drama. Individual activity primarily emphasized. Fall.

**SPEH 4101** **Advanced Speech** **3 Credits (3-0-3)**  
A course emphasizing self-improvement in all phases of diction and delivery and providing experience in various speaking situations.  
Prerequisite(s): HUMN 1201 or permission of instructor

## Theatre

**THEA 2101** **Introduction to Theatre** **3 Credits (3-0-3)**  
Focus on the components of theatre, its past and present history, its major shapers and movers, and how to develop an appreciation of the theatre experience. For non-theatre minors. Fall and Spring.

**THEA 2525** **Theatre Improvisation** **3 Credits (3-0-3)**  
This course will help the student prepare for critical thinking while creating a scene. The class will also increase confidence in the public- speaking abilities of the students.  
Prerequisite(s): HUMN 1201

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

**THEA 3004** **Scene Design** **3 Credits (3-0-3)**  
An exploration and investigation of scenic design. The course will explore and analyze modern scenic elements used in the various play genres. The art and skills required in designing scenery are explored in detail. This includes the developing models, plans, and color schemes for student productions.

**THEA 3101** **Acting I** **3 Credits (3-0-3)**  
Designed to teach performers the basic fundamentals and techniques of acting. Students learn to control the body's creative energy by participating in exercises as solo acting, duo acting and basic audition.

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

**THEA 3123** **Movement II** **3 Credits (3-0-3)**  
A continuation of Movement I, Movement II covers the basic principles for developing fitness and examines the means by which one becomes an actress through improvisation, scene study and improvising play.  
Prerequisite(s): THEA 3122

**THEA 3125** **Stage Make Up & Costumes** **3 Credits (3-0-3)**  
A systematic study of form, line, balance, tone, shade, value and pattern with reference to the human form and its costume. The basic principles and practice in make-up, stage, screen, and television are used. Students will practice in using cosmetics, wigs, hairpieces, and facial prosthetics and masks.

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

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

- THEA 4056** **Theatre History II** **3 Credits (3-0-3)**  
 Covers theatre history, dramatic literature, and theory from the English Restoration to the present. The physical theatre and culture of each period will be studied culminating into an understanding of the beginnings of theatrical criticism to include a worldly view of theatre.
- THEA 4058** **Women in Theatre** **3 Credits (3-0-3)**  
 Through selected readings, this course will focus on the evolution of the female character from classical to contemporary theatre. The course will also follow the progress of the female playwright in theatre.  
 Prerequisite(s): ENGL 1102
- THEA 4101** **Acting II** **3 Credits (3-0-3)**  
 A laboratory class providing practical experiences within the area of acting as demonstrated in Acting I. Students enrolled in this class are required to complete one modern scene study assignment for production and one complete audition that entails two contrasting monologues. This course works toward a culminating activity, which is a one-act modern play to be performed for jury.  
 Prerequisite(s): THEA 3101
- THEA 4103** **Advanced Acting/TV/Cinema** **3 Credits (3-0-3)**  
 Offers advanced work in special problems of applying acting techniques to the demands of modern media. Practicum experience is designed for television and cinema. The course leads the actor/student to a finished mini-production of either a television or film project.
- THEA 4104** **Acting III** **3 Credits (3-0-3)**  
 Studies the problems and techniques in periods and styles through intensive scene study and performance of Greek, Shakespearean and Romantic works.  
 Prerequisite(s): THEA 4101, THEA 4103
- THEA 4105** **Playwriting** **3 Credits (3-0-3)**  
 A laboratory course that explores dramatic writing including study and practice in writing for the modern stage. This course will be conducted upon the principles of critical readings, script analysis, and dramatic genres.
- THEA 4111** **Performance/Production/Management** **3 Credits (3-0-3)**  
 Permits the student to learn through theatre production, marketing strategies, front of house duties, fundraising and proposal writing, and the roles and responsibilities of a producer.
- THEA 4201** **Auditioning and Directing** **2 Credits (2-0-2)**  
 Explores elementary principles of stage plays, practice work in directing and auditioning, and one-act plays; attention is given to the principles of selecting, casting, and rehearsing of plays through exercises, lectures, and demonstrations.  
 Prerequisite(s): completion of 18 credits hours in Concentration area
- THEA 4645** **Musical Theatre** **3 Credits (3-0-3)**  
 This course explores the origins of the musical theatre in the United States and the African American contribution to the American musical. Students will learn about the different forms of musical theatre and will apply their learning through performance and production.



# Faculty by Department

## Accounting, CIS & GLIB

### **Borges, Luis (Assistant Professor)**

BS Federal University of Bahia, Civil Engineering, 1969

MS Federal University of Rio Grande do Sul, Production Engineering, 1992

PhD Marquette University, Industrial Engineering, 1997

### **Butler-Lamar, Shetia C. (Assistant Professor)**

BBA Savannah State University, Business Computer Information System, 2002

MBA Savannah State University, Masters of Business Administration, 2008

DBA University of Liverpool, 2019

### **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

### **Lucas, Bradley. (Lecturer in Accounting)**

BA Claremont McKenna College, History and Economics, 1976

BA St. Leo College, Accounting, 1981

MBA Central Michigan University, 1983

Certified Public Accountant (CPA) licensed to practice in Georgia

### **Mudrinich, Andrew K. (Assistant Professor)**

BS Pennsylvania State University, Accounting, 1984

MTax University of Akron, Taxation, 1994

JD The University of Akron, Law, 1996

### **Park, Yonpae (Professor)**

BA Yonsei University, Economics, 1987

MBA Seoul National University, Business Administration, 1989

MPAcc Georgia State University, Accountancy, 1995

PhD University of Nebraska-Lincoln, Business with a specialization in Accountancy, 2002

### **Qin, Zhaoqiong (Assistant Professor)**

BS Southwest Jiaoting University, Material Engineering, 1994

MS Southwest Jiaoting University, Logistics, Operations & Transportation Management, 1997

PhD New Jersey Institute of Technology, Transportation Management, 2005

**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. (Instructor)**

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

MS Andrews University, Mathematics & Physical Science, 2006

PhD Oklahoma State University, Environmental Science, 2013

**Neloms, Brandon (Instructor)**

BS Alabama A & M University, Biology, 2007

MS Alabama A & M University, Biology, 2008

**Nitta, Takayuki (Associate Professor)**

BS University of Tsukuba, Biological Sciences, 2001

MS University of Tsukuba, Medical Science, 2003

PhD University of Tsukuba, Biomolecular and Integrated 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

**Thompson, Marilyn (Instructor)**

BS Savannah State University, Biology, 1980

MS Alabama A & M University, Biology, 1984

MS Georgia Southern University, Biology Education, 1996

**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

**Cake, Dale (Assistant Professor)**

BS Penn State University, Quantitative Business Analysis, 1975

MBA Temple University, Marketing, 1982

MS Temple University, Marketing, 2011

DBA Jacksonville University, Marketing, 2018

**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, General Studies, 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

DBA Kennesaw State University, 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, Spanish, 2000

AA Essex County College, Liberal Arts, 2001

AS Essex County College, Business Administration, 2002

BS New Jersey Institute of Technology, Management, 2002

MS New Jersey Institute of Technology, Management, 2003

MBA New Jersey Institute of Technology, Management of Technology, 2005

**Torrance, Christopher (Assistant Professor)**

BBA Sam Houston State University, 2002

MBA Morgan State University, Management, 2004

PhD Jackson State University, Management, 2016

**Wang, Guan Jun (Associate Professor)**

BS Ningbo University, Mathematics, 1989

MS Zhejiang University, Probability Theory and Statistics, 1992

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

**Ekuse, 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

**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 Otoy, Jorge E. (Instructor)**

MS Georgia Institute of Technology, Physics, 2009

**Moaveni, Maziar (Assistant Professor)**

BS Mazandaran University, Civil and Environmental Engineering, 2004

MS Tarbiat Modares University, Civil - Highway and Transportation Engineering, 2006

PhD University of Illinois at Urbana-Champaign, Civil – Transportation Engineering, 2015

**Mustafa, Mohamad (Professor and 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

**Velazquez Hernandez, Antonio (Assistant Professor)**

BS Metropolitan Autonomous University (UAM-Mexico), Civil Engineering, 1999

M Eng National Autonomous University of Mexico, Structural Engineering, 2001

M.S. National Polytechnic Institute, Systems Engineering (Computer and Information Systems), 2004

MS Northeastern University, Wind Engineering (Fluid-Structure Interaction), 2007

MS Florida Institute of Technology, Fluid Dynamics (Hurricane Engineering), 2009

PhD Michigan Technological University (MTU), Civil Engineering, 2014

**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

MA Brooklyn College, English, 2007

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

**Elmore, Jon D. (Associate Professor)**

BA Appalachian State University, English, 2002

MA Wake Forest University, English, 2004

PhD University of South Carolina, English, 2010

**Faries, Chad A. (Associate Professor)**

BA University of Wisconsin-Green Bay, English and Humanistic Studies, 1996

MA University of Wisconsin-Milwaukee, English, 1998

PhD University of Wisconsin-Milwaukee, English, 2002

**Halpin, Jenni G. (Associate Professor)**

BA University of Redlands, English: Literature, 1997

MA University of California, Davis, English, 2004

PhD University of California, Davis, English, 2009

**Han, Ying (Associate Professor)**

BA Beijing Foreign Studies University, Spanish, 1983

MA State University of New York at Stony Brook, Hispanic Languages and Literature, 1993

MA Washington University, Spanish, 1988

PhD State University of New York at Stony Brook, Hispanic Languages and Literature, 2001

**Hernandez, Susanna M. (Assistant Professor)**

BA Towson University, Spanish, 1979

MA University of Salamanca, Spanish, 2010

MBA University of Phoenix, Technology Management, 2003

**Kawasha, Boniface K. (Associate Professor)**

BA The University of Zambia, Education, 1995

MA University of Oregon, Linguistics, 1999

MA University of Oregon, French, 1998

PhD University of Oregon, Linguistics, 2003

**Martin, Chante M. Baker (Associate Professor and Interim Chair)**

BA Spelman College, English, 2004



MA Emory University, 2008

PhD Emory University, American Studies, 2010

**Michael, Dustin P. S. (Associate Professor)**

BA Southeast Missouri State University, English, 2002

MA Southeast Missouri State University, English, 2005

PhD University of Missouri, English, 2012

PhD University of Missouri, English, 2012

**Navare, Neesha E. (Associate Professor)**

BA Loyola University-Baltimore, History & Writing, 2002

MFA Chatman University, Fiction & Creative Non-fiction Writing, 2005

PhD University of Missouri, English, 2012

**O'Brien, Kevin G. (Associate Professor)**

BA Marist College, Spanish, 1979

MA Fordham University, Modern Languages/Spanish, 1982

**Rogers, Catherine A. (Associate Professor)**

BA Middlebury College, English, 1974

MDiv Weston Jesuit School of Theology, Theology, 1978

PhD University of Georgia, English, 1994

**Saleem, Taqwaa F. (Lecturer)**

BA Savannah State University, English, 2008

MA Georgia Southern University, English, 2010

**Smith II, Richard M. (Lecturer)**

BA Wofford College, English, 1983

MDiv Southwestern Baptist Theological Seminary, Biblical Language, 1991

MEd Georgia State University, English Education, 1988

**Tedrick, Irina M. (Assistant Professor)**

MA Universidad de Salamanca, Spanish Language and Culture, 2003

**Warren, Yvonne (Assistant Professor)**

BS Savannah State University, English Language and Literature, 1975

MEd Cambridge College, Integrated Studies, 2001

**West, Patricia A. (Assistant Professor)**

BA Savannah State University, English Language and Literature, 1976

MEd Georgia Southern University, English Education, 1996

## **Fine Arts, Humanities and Wellness**

### **Blood, Peggy A. (Professor)**

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

### **Clark, Eric (Assistant Professor)**

BFA Armstrong State University, Visual Arts, 2010  
MFA Georgia Southern University, Ceramics, 2014

### **Clougherty, Christen H. (Assistant Professor)**

BA University of Maryland Baltimore County, Interdisciplinary Studies, 2001  
MA The Savannah College of Art and Design, Fibers, 2004  
PhD University of Birmingham, Theology and Religion, 2009

### **Cohen, Michael (Instructor)**

BS Armstrong Atlantic State University, Physical Education, 1983  
MS Armstrong State University, Health Education, 1986

### **Hamilton, Jacquelyn (Associate Professor)**

BM Georgia Southern University, Performance, 1997  
MM Georgia Southern University, Music, 2015

### **Johnson, Toni Renee (Assistant Professor)**

BS Drexel University, Communications, 2002  
MFA Florida State University, Choreography and Performance, 2005

### **Jones, Eric (Instructor)**

BA Armstrong Atlantic State University, Music, 2005  
MM Georgia Southern University, Music Composition, 2012

### **Linden, Nancy (Lecturer)**

BS The University of Texas at Austin, Secondary English, 1990  
MA Pepperdine University, Educational Technology, 2008  
Ed.D University of Houston, Professional Leadership, 2013

### **Loomis, Sherrie A. (Assistant Professor)**

BS Georgia Southern University, Health and Physical Education, 2008  
MS Georgia Southern University, Kinesiology, 2010

### **Mosch, Isadora (Instructor)**

BA University of Georgia, Philosophy 2009

Ph.D. University of Georgia, Philosophy 2016

**Poole, David I. L. (Senior Lecturer)**

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

MFA Goddard College, Interdisciplinary Arts, 2010

**Seidman, Marlene B. (Assistant Professor)**

BFA University at Buffalo, The State University of New York, Fine Arts, 2003

MEd Lesley University, Creative Arts, 2005

MFA State University of New York College at Brockport, Visual Studies, 2007

**Silberg, Nicholas S. (Professor and Chair)**

BS Indiana University of Pennsylvania, Media Communications, 2002

MFA Savannah College of Art and Design, Photography, 2006

**Thompson-Norton, Darryl H. (Associate Professor)**

AA Pensacola Junior College, Theatre, 1999

BA The University of West Florida, Theatre, 2000

MA Armstrong State University, Professional Communication and Leadership, 2015

MFA University of Florida, Theatre, 2004

**Walker, Teresa-Michelle (Assistant Dean and Associate Professor)**

BA Georgia Southern University, Communication Arts, 2004

MFA Savannah College of Art and Design, Media and Performing Arts, 2008

**Woods, Gabriel (Instructor)**

BA Georgia State University, Speech Communication, 2011

M.M.Ed- Anderson University, Music Education, 2014

**Yates, Derrick (Assistant Professor)**

BS Alabama A&M University, Music Education, 1997

M.M.Ed. Alabama A&M University, Music Education, 2001

**Yount, Lisa M. (Professor)**

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**

**Milton, John (Instructor)**

BA Georgia State University, AB Film and Video, 2008

## **Journalism and Mass Communications**

### **Brown, Vicki (Assistant Professor)**

MA University of Missouri, Journalism, 2015

PhD University of Missouri, Journalism, 2019

### **Bhuiyan, Serajul (Professor)**

BS Bangladesh Agriculture University, Agricultural Economic and Rural Sociology, 1984

MS Bangladesh Agriculture University, Agricultural Extension and Communication, 1986

MBA Texas A&M University Texarkana, Business Administration, 2003

PhD University of Wisconsin, Mass Communications, 1996

### **Franklin, Reginald L. (Associate Professor)**

BS Jackson State University, Mass Communications, 1983

MA University of Michigan, Telecommunications, 1986

### **Plothe, Theo (Assistant Professor)**

BGS Ball State University, General Studies, 1998

MA Northern Illinois University, Communications, 2012

PhD American University, Communications, 2015

### **Trammel, Juliana Maria D. S. (Professor and Interim Chair)**

BA Rust College, Mass Communication, 2001

Graduate Certificate Howard University, International Studies, 2006

MA American University, Public Communication, 2003

PhD Howard University, Communication and Culture, 2006

### **Walker, Kai C. (Assistant Professor)**

BS Eastern Michigan University, Telecommunication and Film, 1998

MFA Savannah College of Art and Design, Film and Video, 2003

## **Library**

### **Brannen, Ivy Y. (Instructor)**

BA Armstrong Atlantic State University, English, 1998

MS University of Northern Texas, Library Science, 2011

### **Morgan, Patrick (Instructor)**

BA University of Michigan, 2000

MA University of Michigan, Near Eastern Studies, 2001

MLIS Drexel University, Library and Information Science, 2009

### **Wyche, Louise E. (Instructor & Interim University Librarian)**

BA Barber-Scotia College, English, 1968

MS Clark Atlanta University (formerly Atlanta University), Library Service, 1969

### **Marine and Environmental Sciences**

#### **Cox, Tara M. (Professor)**

BS Davidson College, Biology, 1993

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

PhD Duke University, Ecology, 2003

#### **Curran, Mary C. (Professor)**

BS University of South Carolina, Marine Science, 1984

PhD Joint Program of Massachusetts Institute of Technology and the Woods Hole Oceanographic Institution, Biological Oceanography, 1993

#### **Ebanks, Dwight A. (Instructor)**

BS Savannah State University, Marine Biology, 1998

MS Savannah State University, Marine Science, 2005

PhD University of Miami, Marine Biology and Fisheries, 2013

#### **Ebanks, Sue C. (Associate Professor)**

BS Savannah State University, Environmental Studies, 1998

BS Savannah State University, Marine Science, 1998

MS Savannah State University, Marine Science, 2005

PhD University of Miami, Marine Biology and Fisheries, 2010

#### **Hintz, Christopher J. (Professor)**

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

MS Rose-Hulman Institute of Technology, Chemical Engineering, 1998

PhD University of South Carolina, Marine Sciences, 2004

#### **Hoskins-Brown, Dionne L. (Associate Professor and Director of NOAA Sponsored Programs)**

BS Savannah State College, Marine Biology, 1992

PhD University of South Carolina, Marine Science, 1999

#### **Kaltenberg, Amanda M. (Associate Professor)**

BS University of North Dakota, Biology, 2002

MS Texas A&M University, Oceanography, 2004

PhD Oregon State University, Oceanography, 2010

#### **Pride, Carol J. (Professor and Chair)**

BA Wesleyan University, Environmental Science, 1990

PhD University of South Carolina, Marine Science, 1997

**Sajwan, Kenneth S. (Professor)**

BS G. B. Pant University of Agriculture and Technology (formerly Uttar Pradesh Agricultural University), Agriculture and Animal Husbandry, 1971

MS Jawaharlal Nehru Agricultural University, Agronomy, 1975

PhD Colorado State University, Agronomy, 1985

**Mathematics**

**Atena, Agegnehu A. (Associate Professor)**

MA The State University of New York at Buffalo, Mathematics, 2010

PhD The State University of New York at Buffalo, Mathematics, 2010

**Brown, LaKeisha R. (Instructor)**

BS Savannah State University, Mathematics, 2003

**Chowdhury, Abhinandan (Assistant Professor)**

MS University of Louisiana, Mathematics, 2005

PhD University of Louisiana, Mathematics, 2010

**Dolo, Samuel L. (Professor)**

BS Savannah State University, Mathematics, 1996

MS The University of Mississippi, Mathematics, 2002

PhD The University of Mississippi, Mathematics, 2006

**Kim, Sujin (Associate Professor)**

BS Chungnam National University, Mathematics, 1994

In Progress/Incomplete Georgia Southern University, Public Health, 2013

MS The University of Iowa, Mathematics, 2004

MS Chungnam National University, Pure Mathematics, 1997

PhD The University of Iowa, Applied Mathematical and Computational Sciences, 2008

**Lemma, Mulatu (Professor and Chair)**

BS Addis Ababa University, Mathematics Education, 1978

MA Kent State University, Pure Mathematics, 1993

MS Addis Ababa University, Applied Mathematics, 1982

PhD Kent State University, Mathematics, 1994

**Lin, Shinemin W. (Professor)**

BS National Taiwan Normal University, Mathematics, 1973

MS Pittsburg State University, Mathematics, 1982

PhD University of Kansas, Mathematics, 1991

**Muche, Tilahun A. (Associate Professor)**

MA University of South Florida, Math, 2007

PhD University of South Florida, Mathematics, 2012

**Oh, Hyunkyun (Professor)**

BS Chungnam National University, Mathematics, 1995

MS University of Iowa, Mechanical Engineering, 2004

MS University of Iowa, Applied Mathematics, 2003

MS Chungnam National University, Applied Mathematics, 1997

PhD University of Iowa, Applied Mathematics and Computational Sciences, 2005

**Ramirez Valdez, Diego (Assistant Professor)**

MS University of Louisiana at Lafayette, Mathematics, 2008

PhD University of Louisiana at Lafayette, Mathematics, 2012

**Tanksley, LaTriece Y. (Assistant Professor)**

BS Savannah State University, Mathematics, 2000

MS Georgia Southern University, Mathematics, 2009

**Tekalign, Wondimu (Assistant Professor)**

PhD University at Buffalo - The State University of New York, Mathematics, 2005

**Tessema, George (Associate Professor)**

MS Florida State University, Mathematics Education, 1971

PhD The University at Albany: State University of New York, Educational Psychology, 1991

**Military Science**

**Montgomery, Brian (Professor)**

BS United States Military Academy (West Point), Economics, 2004

MA New York University, Industrial/Organizational Psychology, 2013

**Walker, Abby (Assistant Professor)**

BS University of Nebraska- Lincoln, Diversified Agriculture, 2005

**West, Larry (Assistant Professor)**

BA Jacksonville State University, History, 2007

MA Webster University, International Relations, 2017

**Vazquez, Emilio (Instructor)**

BS Phoenix University, Education, 2009

Sergeant Major Academy, Military History, 2016

**Naval Science**

**Bird, James (Associate Professor)**

BEng S.U.N.Y. Maritime College, Electrical Engineering Deck, 1999

MA Naval War College, 2012

**Carbone, Joseph (Lecturer)**

BA United States Naval Academy, Mechanical Engineering, 2015

**Estabrook, Kris E. (Assistant Professor)**

BS United States Naval Academy, Ocean Engineering, 2011

**Falgout, Chad M. (Professor)**

BS Louisiana State University and A&M College, Math, 1996

MBA Naval Postgraduate School, Executive Master of Business Administration, 2004

**Hillman, Ryan (Lecturer)**

BA History, 2010

**Madden, Eric W. (Lecturer)**

BS United States Naval Academy, Economics, 2014

**Sweeney, Andrew (Lecturer)**

BA College of the Holy Cross, Physics, 2013

**Political Science & Public Affairs**

**Bongang, Benn L. (Professor)**

MA University of South Carolina, International Studies, 1997

MS Boston University, Journalism, 1993

PhD University of South Carolina, International Studies, 2005

**Bowden, Geoffrey C. (Assistant Professor)**

BA The University of Tennessee, Knoxville, Religious Studies, 1992

MA University of Notre Dame, Social Sciences, 2000

MDiv The Southern Baptist Theological Seminary, 1995

PhD University of Notre Dame, Social Science, 2003

**Iancu, Otilia (Associate Professor and Interim Chair)**

MPA University of Kansas, Public Administration, 1999

PhD University of Arkansas, Public Policy, 2010

**Kalantari, Behrooz (Professor)**

BA Avila University, Public Management, 1981

BA Tehran Business College, Business, 1973

MPA Southern Illinois University, Public Affairs, 1983

PhD Southern Illinois University, Political Science, 1992



**Mallard, Bruce B. (Assistant Professor)**

BA George Peabody College, Political Science, 1969

MPA Middle Tennessee State University, Public Administration, 1972

PhD The University of Tennessee, Political Science, 1979

**Naniuzeyi, Emmanuel (Professor)**

MA, Ohio University, International Affairs, 1982

PhD Atlanta University, Political Science, 1987

**Nojang, Emmanuel (Assistant Professor)**

MBA University of Mary, Management, 2007

PhD North Dakota State University, Emergency Management, 2015

**Omunga, Philip (Assistant Professor)**

BA University of Nairobi, 1997

MA University of Nairobi, Valuation and Property Management, 2001

PhD Kansas State University, College of Architecture, Environmental Design & Planning, 2015

**College of Education**

**Creekmur, Chaundra (Assistant Professor)**

BS Valdosta State University, Biology, 2006

EDD Liberty University, Curriculum and Instruction, 2016

EdS Liberty University, Curriculum and Instruction, 2012

MA Augusta University, MAT, 2010

**Cunningham, Kisha R. (Associate Professor & Interim Chair)**

BS North Carolina A&T State University, Technology Education, 1995

MS North Carolina A&T State University, Technology Education, 1996

PhD The Pennsylvania State University, Workforce Education, 2005

**Thompson, Cora (Associate Professor & Interim Dean)**

BS Savannah State University, Elementary Education, 1980

EDD Nova Southeastern University, Education, 2007

MEd Troy State University, 2003

**White, Patrice (Instructor)**

BS Valdosta State University, Early Childhood Education, 1980

M.Ed. Educational Leadership, Troy State University, 2003

## **Social Work**

### **Anderson, Adrian D. (Associate Professor)**

BS Northwestern State University, Psychology, 1995

MSW Southern University, Social Work, 1999

PhD Tulane University, Social Work, 2007

### **Attipoe, Hope (Assistant Professor)**

MSW University of Georgia, 2008

M.Ed University of Georgia, 2012

PhD University of Georgia, Adult Education, 2016

### **Byrd, Autry (Field Coordinator)**

BSW Savannah State University, Social Work 2006

MSW-Clark Atlanta University, Social Work, 2007

PhD-Capella University-Education, 2016

### **Deloach, Roenia J. (Associate Professor)**

BSW Jackson State University, Social Work, 1988

MSW Ohio State University, Social Work, 1989

PhD The Ohio State University, Social Work, 2002

### **Gayle, Catherine (Associate Professor and Chair)**

BS Tuskegee Institute, Social Work, 1984

MSW Florida State University, 1985

PhD Clark Atlanta, 2003

Licensed Clinical Social Worker

### **Jindani, Shinaz G. (Professor)**

BSW University of Mumbai College of Social Work (formerly University of Bombay), Social Work, 1981

DSW Tulane University, Social Work, 1992

MSW University of Mumbai College of Social Work (formerly University of Bombay), Social Work, 1983

## **Social and Behavioral Sciences**

### **Adams, Matthew (Assistant Professor)**

BA College of Charleston, English, 2000

MA Armstrong Atlantic State University, History, 2005

PhD Jagiellonian University, History, 2015

### **Alexander, Stephanie L. (Associate Professor)**

BA University of Oklahoma, Sociology, 1997

MA The University of Oklahoma, Human Relations, 1999

PhD The University of Oklahoma, Sociology, 2007

**Brooks Jr, Willie M. (Assistant Professor)**

BS Alabama State University, Criminal Justice, 1996

MS Eastern Kentucky University, Criminal Justice, 1999

PhD-ABD Prairie View A & M University, Juvenile Justice, 2008

**Cole, Lakesha (Assistant Professor)**

BA The University of Southern Mississippi, Criminal Justice, 2001

Doctorate of Professional Counseling Professional Counseling, 2014

MS Mississippi College, Marriage & Family Counseling, 2011

MS Delta State University, Criminal Justice, 2006

**Davis, Christina (Assistant Professor)**

BA Florida Agricultural and Mechanical University, Psychology, 2002

MA Florida Agricultural and Mechanical University, Applied Social Science, 2003

PhD University of Georgia, History, 2016

**Frame, Kimberly (Associate Professor)**

BS University of Florida, Psychology, 2000

MS University of North Texas, Behavior Analysis, 2005

EdD The University of Memphis, Instr and Curr Leadership, 2014

**Jordan, Kenneth A. (Professor)**

BA North Carolina College at Durham, Geography, 1969

MA University of California, Berkeley, Geography, 1974

PhD University of California, Berkeley, Geography, 1977

**Mathews, Shannon (Professor and Dean)**

BA Anthropology, Pomona College, 1993

MA Anthropology, University of Kentucky, 2001

PhD Gerontology, University of Kentucky, 2005

**McFall, Sametria R. (Associate Professor and Assistant Vice President for Academic Affairs)**

BS Savannah State University, Biology, 1993

MPA Savannah State University, Public Administration, 2000

MA Northeastern University, Psychology, 2003

PhD Northeastern University, Psychology, 2005

**Mukhtar, Mohamed H. (Professor)**

BA Al-Azhar University, History, 1971

MA Al-Azhar University, History and Civilization, 1974

PhD Al-Azhar University, History and Civilization, 1983

**Mundey, Peter (Assistant Professor)**

BA Bridgewater College, History and Political Science, 2004

MA University of Notre Dame, Sociology, 2009

PhD University of Notre Dame, Sociology, 2015

**Rivera, Pedro R. (Associate Professor and Interim Chair)**

BA The City College of New York, African History, 2005

PhD Howard University, African Diaspora, History, 2012

**Serdikoff, Sherry L. (Associate Professor)**

BA Temple University, Psychology, 1986

MA West Virginia University, Psychology, 1989

PhD West Virginia University, 1991

**Stewart, Katherine L. (Associate Professor)**

BA University of North Carolina, Psychology, 1996

MA University of North Carolina Wilmington, Psychology, 1999

PhD University of Kansas, Behavioral Psychology, 2005

**Yagami, Kazuo (Associate Professor)**

MA Florida State University, Asian Studies, 1996

PhD Florida State University, History, 2002



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|---------------------------|--|------------------------------|---|
| 1. Adams Hall             | 14. Harris Hall                            | 26. Morgan Annex             | 39. Tiger Place                                     |
| 2. A. H. Gordon Library   | 15. Harris-McDew Health Clinic             | 27. Morgan Hall              | 40. Richard R. Wright Sr. Hall                      |
| 3. Bostic Hall            | 16. Herty Hall                             | 28. McGlockton Building      | 41. University Commons                              |
| 4. Bowen-Smith Hall       | 17. Hill Hall                              | 29. Pavilion                 | 42. University Village                              |
| 5. Camilla Hubert Hall    | 18. Hodge Hall                             | 30. Payne Hall               | 43. Whiting Hall                                    |
| 6. Colston Administration | 19. Hubert Science & Technology<br>A, B, D | 31. Powell Hall              | 44. Willcox-Wiley                                   |
| 7. Drew-Griffith Building | 20. Hubert Science & Tech C                | 32. Recreation park          | 45. T. A. Wright Stadium                            |
| 8. Evers Physical Plant   | 21. Jordan Building                        | 33. Social Sciences Building | 46. Marine Sciences Building<br>(Livingston Avenue) |
| 9. Felix Alexis Circle    | 22. Kennedy Fine Arts Building             | 34. Sports Field Complex     | 47. Science & Tech Building                         |
| 10. Foundation House      | 23. King-Frazier Student Center            | 35. Student Union            | 48. Jasmine Building                                |
| 11. Freshman Center       | 24. Main campus entrance                   | 36. Tiger Arena              |   |
| 12. Gardner Hall          | 25. Marine Biology Building                | 37. Tiger Court              |   |
| 13. Hammond Hall          |  | 38. Tiger Express            |   |

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SERIOUSLY IMPRESSIVE

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|--|--|
| <span style="color: teal;">●</span> Residence Halls              | <span style="color: yellow;">●</span> College of Business Administration |
| <span style="color: red;">●</span> University Services           | <span style="color: green;">●</span> College of Liberal Arts             |
| <span style="color: blue;">●</span> Administration               | <span style="color: purple;">●</span> College of Science and Technology  |
| <span style="color: orange;">●</span> Athletics and Recreational |  |