





Francis Thome  
Biology



AASU

ARMSTRONG ATLANTIC  
STATE UNIVERSITY

**1998-99 CATALOG**

**Accreditation:** Armstrong Atlantic State University is accredited by the Commission on Colleges of the Southern Association of Colleges and Schools to award associate, baccalaureate, masters, and educational specialists degrees.

## Academic Calendar\*

	Fall, 1998	Spring, 1999	Summer, 1999			
	(15 weeks)	(15 weeks)	Session 1 (8 weeks)	Session 2 (6 weeks)	Session 3 (4 weeks)	Session 4 (4 weeks)
Admission Applications Due	July 1	Dec. 1	May 3	May 3	May 3	May 3
New Student Document & Readmission Deadline	July 15	Dec. 14	May 17	May 17	May 17	May 17
Registration	Aug. 18-19	Jan. 7-8	June 4	June 4	June 4	June 4
First Day of Class	Aug. 20	Jan. 11	June 7	June 7	June 7	July 6
Mid-Term	Oct. 13	Mar. 4	July 1	June 24	June 18	July 19
Last Day to Withdraw Without Automatic Penalty	Oct. 13	Mar. 4	July 1	June 24	June 18	July 19
Advisement & Advance Registration	Oct. 19-23	Mar. 8-12				July 12-16
Last Day of Class	Dec. 9	May 3	July 28	July 14,	July 1	July 30
Reading Day	Dec. 10	May 4	July 29	July 15		
Final Examinations Begin	Dec. 11	May 5	Aug. 2	July 19	July 5	Aug. 2
Final Examinations End	Dec. 17	May 11	Aug. 4	July 21	July 5	Aug. 2
Graduation	Dec. 16	May 7				
Holiday	Sept. 7	Jan. 18	July 2	July 2	July 2	
	Nov. 25-27	Mar. 15-19				
ISAT Application Deadline	May 15	Oct. 9	Mar. 26			
Institutional Scholastic Aptitude Test (ISAT)	June 20	Nov. 14	May 1			
Collegiate Placement Exam (CPE)	Contact Admissions Office, 927-5277					
College Level Examination Program (CLEP)	Aug. 19	Jan. 6	June 3			
Regents' Test Application Deadline	Oct. 16	Mar. 5	June 11			
Regents' Test Administration	Nov. 7-9	Mar. 27-30	June 28-29			
CHAOS Orientation Sessions	Contact Division of Student Affairs, 927-5271					

\* All dates subject to change

### 1998

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**AASU**

ARMSTRONG ATLANTIC  
STATE UNIVERSITY

**1998-99 CATALOG**

A UNIT OF THE UNIVERSITY SYSTEM OF GEORGIA  
SAVANNAH, GEORGIA



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## President's Message

Today, when higher education has become the primary route to success in our society, the mission of Armstrong Atlantic State University has never been more important. As a place where learning comes first, AASU offers a thriving environment for personal and intellectual growth. The excitement on campus is tangible: new facilities and programs are underway; students and professors are energized; and an ambitious agenda for the future has been set.

As we stand at the new millennium, AASU is well-positioned. Members of our faculty continue to earn national recognition as teachers, researchers, authors, and scholars. AASU alumni are leaders in their communities. Service to students permeates the campus.

Over the years I have heard from a number of former students who attribute their achievements to their Armstrong experience. Their stories reflect the spirit of what makes our institution so valuable. I encourage you to talk to some of those alumni. Their heartfelt words sum up the beauty—and often life-changing power—of a college education.

Robert A. Burnett  
President

Degree Programs		Minor	Associate	Bachelor's	Master's
ARTS	<b>ARTS:</b>				
	Art	•			
	Arts		•		
	Drama/Speech	•		•	
	Economics	•		•	
	English	•		•	
	English (Communications) (with Teacher Certification)			•	
	General Studies		•	•	
	History	•		•	•
	History (with Teacher Certification)			•	
	Music	•		•	
	Music Education			•	
	Political Science	•		•	
	Political Science (Public Administration) (with Teacher Certification)	•		•	
	Psychology	•		•	
	Psychology (with Teacher Certification)			•	
Spanish (with Teacher Certification)	•		•		
SCIENCE	<b>SCIENCE:</b>				
	Applied Physics			•	
	Biology	•		•	
	Biology (with Teacher Certification)			•	
	Chemistry	•		•	
	Chemistry (with Teacher Certification)			•	
	Computer Science			•	
	Criminal Justice (Corrections) (Law Enforcement) (Law Enforcement with POST Certification)	•	• • •	•	•
	Mathematical Sciences	•		•	
	Mathematical Sciences (with Teacher Certification)			•	
EDUCATION	<b>EDUCATION:</b>				
	Art Education			•	
	Early Childhood Education			•	
	Elementary Education				•
	Health & Physical Education			•	
	Middle Grades Education			•	
	Middle Grades Education				•
	Secondary Education				
Business Education*			•	•	
English Education				•	
Mathematics Education				•	

\* In conjunction with Savannah State University

Degree Programs		Minor	Associate	Bachelor's	Master's
EDUC.	Science Education				•
	Social Science Education (History) (Political Science)			•	•
	Special Education				•
	Behavior Disorders				•
	Learning Disabilities				•
	Speech/Language Pathology				•
	Speech-Language Pathology			•	
<p>Note: Teacher certification options at the baccalaureate level are available in Biology, Chemistry, English, History, Mathematics, Political Science, Psychology, and Spanish (see listing under Arts and Sciences)</p>					
HEALTH	<b>HEALTH PROFESSIONS:</b>				
	Dental Hygiene		•		
	Dental Hygiene Education			•	
	Health Science			•	
	Health Services Administration				•
	Medical Technology			•	
	Nursing			•	•
	Physical Therapy			•	•
	Public Health				•
Radiologic Technologies			•		
Respiratory Therapy			•		
MINOR CONCENTRATIONS	<b>MINOR CONCENTRATIONS: (not listed elsewhere):</b>				
	Anthropology	•			
	Communications	•			
	Engineering Studies	•			
	Film	•			
	Foreign Language	•			
	French	•			
	German	•			
	Historical Archaeology	•			
	Human Biology	•			
	International Studies	•			
	Legal Studies	•			
	Library Media	•			
	Linguistics	•			
	Mental Health	•			
	Military Science	•			
	Naval Science	•			
	Organizational Psychology	•			
	Philosophy	•			
	Physical Science	•			
	Preservation Studies	•			
	Russian Studies	•			
	Sociology	•			
Teacher Education	•				
Transnational Crime	•				

## Get started in college on the right foot

Students often use their college catalog solely as a reference book—to look up rules, regulations, and requirements. Yet merely browsing through its pages can yield a tremendous amount of information about Armstrong Atlantic State University as your academic home. This catalog can help you plot the best course for your years at AASU. Take time to take a look.

### **You'll learn such facts as:**

- Armstrong supports a broad-based, pre-professional program in a variety of areas like business, dentistry, forestry, medicine, pharmacy, and veterinary medicine.
- Engineering studies students have several options for completing much of their coursework at Armstrong before transferring to a regional school of engineering
- A cooperative education program flourishes on campus
- Evening and weekend classes offer flexible scheduling
- Off-campus classes at corporate sites and in Southeast Georgia are available
- A versatile schedule of non-credit, continuing education classes are offered each term.

The many student services are also outlined. They range from career planning and job placement to personal counseling and academic assistance programs.

More than 30 student organizations meet religious, Greek, professional, academic, and special interest needs. An active student governance program plans extensive student activities throughout the year. Intercollegiate and intramural sports offer enjoyment for spectators and participants alike.

The current academic calendar is located on the inside front cover for your convenience in planning your year. A brief "Where to Write or Call" listing on the inside back cover may help you find the right place to get your questions answered quickly and accurately. The catalog is your guide to success on campus. Keep it handy and use it often.

# The University/Savannah

## Mission Statement

Armstrong Atlantic State University was founded in 1935 as a city college and continues to fulfill an urban mission, teaching a diverse population of traditional and non-traditional students. Throughout its history, Armstrong Atlantic has shared its creative, scholarly, technical, and leadership expertise with individuals and organizations throughout south-east Georgia. It is a designated Regional Health Professions Education Center. Offering a broad range of programs in arts and sciences, teacher education, health professions, and graduate studies, Armstrong provides all students with a firm foundation in the liberal arts and anchors its academic excellence in its baccalaureate and graduate programs.

Armstrong Atlantic State University shares with other institutions in the University System of Georgia the following common mission:

The mission of the University System of Georgia is to contribute to the educational, cultural, economic, and social advancement of Georgia by providing excellent undergraduate general education and first-rate programs leading to associate, baccalaureate, masters, professional, and doctoral degrees; by pursuing leading-edge basic and applied research, scholarly inquiry, and creative endeavors; and by bringing these resources to bear on the economic development of the state and the continuing education of citizens through public service.

While the core teaching, research and scholarship, and service functions differ by institutional type, the campus life of every institution in the University System of Georgia will be characterized by:

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

Armstrong Atlantic State University shares with the other state universities of the University System of Georgia the following core characteristics or purposes:

- a commitment to excellence and responsiveness within a scope of influence defined by the needs of an area of the state, and by particularly outstanding programs or distinctive characteristics that have a magnet effect throughout the region or state;
- a commitment to a teaching/learning environment, both inside and outside the classroom, that sustains instructional excellence, serves a diverse and university-prepared student body, promotes high levels of student achievement, offers academic assistance, and provides developmental studies programs for a limited student cohort;
- a high quality general education program supporting a variety of disciplinary, interdisciplinary, and professional academic programming at the baccalaureate level, with selected master's and educational specialist degrees, and selected associate degree programs based on area need and/or inter-institutional collaborations;
- a commitment to public service, continuing education, technical assistance, and economic development activities that address the needs, improve the quality of life, and raise the educational level within the university's scope of influence;
- a commitment to scholarly and creative work to enhance instructional effectiveness and to encourage faculty scholarly pursuits, and a commitment to applied research in selected areas of institutional strength and area need.

The primary mission of Armstrong Atlantic State University is to foster in its students abilities essential to being knowledgeable, thoughtful, responsible, and creative members of society. For its population of traditional and nontraditional students, Armstrong Atlantic strives to promote academic excellence and provide appropriate access to its programs, including magnet offerings in health professions, teacher education, public history, criminal justice, and transfer programs in engineering studies. Moreover, Armstrong Atlantic shall:

- Augment traditional classroom instruction and provide student-centered learning through the integration of new technologies and innovative methods of course delivery;
- Improve and expand access through distance learning, flexible course scheduling, and development of off-campus sites;
- Respond to student needs through accessible faculty and administrators, an effective student-teacher ratio, and appropriate learning support;
- Foster a deepened understanding of diverse world views and experiences through the examination of multicultural and international perspectives across the curriculum and activities that encourage respect for human worth;
- Offer activities to students that help to prepare them for the work place or for further study through a wide array of leadership programs, experiential training, and entrepreneurial opportunities;
- Optimize resources and expand educational opportunities for citizens throughout Georgia through the interchange of faculty and programs and in partnerships with other educational institutions, especially other units of the University System.

In shaping its vision for the twenty-first century, Armstrong Atlantic has assumed a leadership role in the application and integration of new educational technologies. The institution aspires to build upon its already excellent curricular and urban oriented research programs and expand its magnet offerings, especially in the sciences. A planned student body profile based on admissions, progressions, and graduation expectations shall enhance institutional effectiveness. Finally, Armstrong Atlantic assumes responsibility for initiating collaborative efforts and for attracting and cultivating credit and non-credit programs designed to meet societal needs in such areas as economic development, health, cultural life, and technological advancement.

*Approved by the Board of Regents of the University System of Georgia – June, 1996*

## Location

Armstrong students find much to enjoy about living in the cosmopolitan city of Savannah, the major urban area (pop. 200,000) in coastal Georgia. The college's 250 acre campus is located in a residential area of the city which promotes a feeling of freedom and security on campus.

Savannah, Georgia's founding city, has all the historic and cultural variety of a metropolitan city with the added advantage of the ocean at its back door. A temperate climate encourages outdoor activities and recreation year round. Beach and river outings include sailing, boating, water skiing, sunning and beachcombing. Golf, tennis, fishing and hunting are also popular.

A resident symphony orchestra, dance and theatre groups, and visiting entertainment groups regularly perform at the Civic Center. Special celebrations and other festivals are scheduled throughout the year.

The historic past lives in harmony with today's progress in Savannah. As a living laboratory for history, Savannah is unsurpassed yet the Savannah port is one of the busiest on the Atlantic coast.

Community oriented leisure activities complement on-campus happenings. A growing NCAA intercollegiate athletic program, active intramurals, concerts, plays and special entertainment mean lots to do without leaving campus.

## Accreditation

Armstrong Atlantic State University has earned the following regional and special purpose accreditations:

Armstrong Atlantic State University is accredited by the Commission on Colleges of the Southern Association of Colleges and Schools to award associate, baccalaureate and master's degrees.

**Baccalaureate Degree Nursing** - by the National League for Nursing Council (NLNAC) for the period 1983-1999.

**Computer Science** - by the Computer Science Accreditation Commission.

**Dental Hygiene** - by the Commission on Dental Accreditation of the American Dental Association for the period 1995-2001.

**Medical Technology** - by the National Accrediting Agency for Clinical Laboratory Sciences for the period 1985-2004.

**Music** - by the National Association of Schools of Music for the period 1995-2001.

**Radiologic Technologies** - by the Committee on Allied Health Education and Accreditation for the period 1984-1997.

**Respiratory Therapy** - by the Committee on Allied Health Education and Accreditation for the period 1983-1997.

**Teacher Education Programs** - by the National Council for the Accreditation of Teacher Education for the period 1982-1997.

## Office of University Relations

The Office of University Relations promotes Armstrong, its activities, students, and faculty through interaction with media representatives. The office is responsible for external publications and promotions related to the university, including *Armstrong Magazine* and the alumni newsletter. The Office of University Relations serves as the liaison between the university and media representatives and reports media activities to the University System of Georgia public relations representatives.

## Office of University Advancement

The Office of University Advancement consists of two components: Alumni Affairs and Development, which includes the AASU Foundation, Inc. The office works with graduates, friends, area businesses, corporations, foundations, and other supporters of AASU by providing a vehicle of communication and fundraising support.

### Alumni Affairs

The Office of Alumni Affairs serves as a liaison to the Alumni Association, AASU graduates, former students, and friends. The office maintains current alumni records, processes alumni membership dues, and circulates university and alumni information. Membership in the association is open to all graduates and former students.

Organized in 1937, the AASU Alumni Association is comprised of graduates and former students of Armstrong Junior College, Armstrong State College, and AASU. The association promotes interaction among alumni, students, faculty, staff, and friends of the university in order to strengthen the ties between the institution and its supporters.

Each year the Alumni Association recognizes individuals who have made outstanding contributions to the university and the Alumni Association by presenting the Distinguished Alumni Award, the Outstanding Alumni Service Award, the Distinguished Citizen's Award, and the Outstanding Faculty Award.

### Development

In support of Armstrong, alumni and friends can make donations of cash, securities, or other qualifying assets through the AASU Foundation, Inc.

Donations are used to respond to challenges and opportunities for growth. The funds provide the university with support unavailable through state appropriations. Gifts are also used to assist students through scholarships and other financial assistance; support outstanding teachers through faculty development awards and professorships; sponsor symposia and guest lecturers; enhance library holdings and facilities; and assist in other special projects and programs. Private support helps sustain AASU's tradition of academic excellence.

The AASU Foundation, Inc. is a direct support organization and the legal entity to receive gifts for the college. Contributions to the foundation, a 501(c)(3) tax exempt charitable organization, are entitled to all tax benefits authorized by law.

## Two-Year Degree Programs

The following two-year degrees are offered as preparation for higher degrees in the liberal arts and professions or as terminal professional degrees:

- Associate of Arts
- Associate of Applied Science in Criminal Justice
- Associate of Science in Dental Hygiene

## Four-Year Degree Programs

Bachelor of Arts in the fields of art, drama-speech, economics, English, history, music, political science, psychology, and Spanish

- Bachelor of General Studies
- Bachelor of Health Science
- Bachelor of Music Education

Bachelor of Science in the fields of applied physics, biology, chemistry, computer science, criminal justice, and mathematical sciences

Bachelor of Science in Education with majors in early childhood education; middle grades education; secondary education in the teaching fields of biology, business (cooperative arrangement with Savannah State University), chemistry, English, mathematics, history, political science, social science, Spanish and K-12 programs in art, health and physical education, and speech-language pathology

- Bachelor of Science in Dental Hygiene Education
- Bachelor of Science in Medical Technology
- Bachelor of Science in Nursing
- Bachelor of Science in Radiologic Technologies
- Bachelor of Science in Respiratory Therapy
- Bachelor of Science in Physical Therapy

The College of Education is authorized to offer teacher education programs, preparing students for certification by the Georgia State Department of Education in the following areas: art, biology, business education, chemistry, early childhood education, English, history, mathematics, middle grades education, political science, social science, and Spanish.

## Pre-Professional Programs

Armstrong Atlantic State University offers courses appropriate for the first two years of baccalaureate programs such as business, engineering, forestry, industrial management, pharmacy, etc., not offered among its degree programs, and it offers the pre-professional study appropriate for dentistry, law, medicine, veterinary medicine, and other professional fields.

## Graduate Degree Programs

- Master of Arts – History
- Master of Health Services Administration



- Master of Public Health
- Master of Science in Nursing
- Master of Science – Criminal Justice
- Master of Education –
  - Elementary Education
  - Middle Grades Education
  - Secondary Education
    - Business Education
    - English Education
    - Mathematics Education
    - Social Education
    - Social Science Education
  - Special Education
    - Behavior Disorders
    - Learning Disabilities
    - Speech/Language Pathology
- Master of Science in Physical Therapy

## Regents Engineering Transfer Program

The Regents Engineering Transfer Program (RETP) is a cooperative program between Armstrong Atlantic State University and Georgia Institute of Technology. This program allows qualified students to attend Armstrong Atlantic for the first two years of engineering studies then transfer to Georgia Tech to complete their bachelor of engineering degree. RETP students transferring to Georgia Tech compete on an equal basis with Georgia Tech students at the junior academic level. To be admitted as an RETP student, the applicant must meet the academic requirements set for the program, and be a U.S. citizen with Georgia residency. Specific information on requirements for admission is available under the admissions section of this catalog or from the Engineering Studies Program Coordinator in the Department of Chemistry and Physics.

## Dual-Degree Programs

Armstrong Atlantic State University has dual-degree programs in engineering with the Georgia Institute of Technology, Auburn University, Clemson University, Mississippi State University, and the University of Florida. Upon completion of the first three years of academic work at Armstrong, the student may enroll for two subsequent years at one of the participating schools. Upon completing the requirements of the two cooperating schools, the student will receive a baccalaureate degree from Armstrong Atlantic State University and a baccalaureate degree in the chosen field of engineering from the second school.

The Assistant Dean of the College of Arts and Sciences is the Armstrong Atlantic coordinator of these dual-degree programs and should be contacted for additional information.

A dual-degree program in forestry and environmental management with Duke University is available. Students complete three years of academic work at Armstrong Atlantic State University, then enroll for two subsequent years at Duke University. Students who successfully complete the program receive a Bachelor of Science in biology from Armstrong Atlantic State University and a Masters of Science degree in either forestry or environmental management from Duke University. The Head of the Department of Biology should be contacted for additional information.

## Cooperative Education Program

In the cooperative education program students typically alternate semesters between college and work. This program offers students valuable practical experience as well as financial assistance in the form of compensation from the firms that employ them.

Cooperative opportunities are available to students in computer science, chemistry and engineering, but are not limited to these majors. Cooperative students must register for Cooperative Education Program (CEP 100) for semesters in which they work. This course carries no credit and there is no charge for registration. Students interested in applying for admission to the Cooperative Education program should contact the head of their major department and the Director of Volunteer and Service Learning, who is the director of this program.

## **Evening and Weekend Programs**

To accommodate students who are employed during the day, all core curriculum courses and many upper-division courses are offered in the late afternoon and evening. At present, the following degree programs are available to students who attend classes exclusively in the evening:

Associate in Arts, Associate in Criminal Justice;

Baccalaureate degree programs in English (communications), computer science, criminal justice, economics, English, general studies, history, mathematics, political science, public administration and psychology.

Although evening offerings are expanded each year, it generally takes students longer to complete degree requirements by attending evening classes exclusively than it does by attending day classes or a combination of day, evening, and weekend classes.

Evening course offerings are supplemented by a growing weekend program of selected core curriculum courses in such fields as art, composition, economics, history, speech communications, philosophy, physical education, physical science, political science, psychology, and sociology. The weekend program now attracts upwards of 350 students every term. The Office of Weekend and Off-Campus Programs oversees the development and promotion of the evening and weekend programs.

## **Off-Campus and Distance Learning Courses**

To meet particular regional needs, the university offers selected courses at various off-campus sites, including the Coastal Georgia Center, Liberty Center, and Brunswick Center. Although most of these courses are taught by university faculty at the off-campus sites, some may be delivered by means of interactive teleconferencing originating from the main campus.

Armstrong is an active member of the Georgia Statewide Academic and Medical System (GSAMS). The university oversees the operations of seven interactive distance-learning classrooms, three of them on campus (Gamble 113, Health Professions 136, and University Hall 114) and others at the Brunswick Center, White Bluff Elementary School, the Coastal Georgia Center, and Savannah State University. In addition, the university is developing Internet resources to provide a new medium for learning as well as to supplement more traditional forms of research and instruction.

## **The Brunswick Center**

The Brunswick Center is a consortium composed of Coastal Georgia Community College in Brunswick, Armstrong Atlantic State University in Savannah, and Georgia Southern University in Statesboro. It was authorized by the Board of Regents of the University System of Georgia in September 1986 and was organized for the purpose of establishing a residence center for baccalaureate degrees. However, all three participating institutions teach courses which apply toward the degrees, and credit earned from any of these colleges through the Brunswick Center is accepted as resident credit by Armstrong Atlantic State University.

### **Degree Programs:**

The Brunswick Center offers programs of study leading to four degrees from Armstrong Atlantic State University:

Bachelor of General Studies, a broad-based general education degree with minor concentrations in business, history, political science, and psychology

Bachelor of Science in Criminal Justice

Bachelor of Science in Education, with certification in early childhood education (P-5) or middle grades education (4-8)

Bachelor of Science in Nursing

### **Criteria for Admission:**

Anyone who has completed an associate degree or its equivalent is eligible for admission to Brunswick Center programs and courses. Moreover, Coastal Georgia Community College students who have sophomore standing and meet certain requirements, including completion of all Core Curriculum English requirements and passing the Regents' Test, may be admitted to Brunswick Center classes taught by the senior colleges and universities.

Anyone who already has a baccalaureate degree also may be admitted as a nondegree student to take courses, particularly for teacher certification.

### **Admission Procedures:**

Prospective students apply for admission to Armstrong Atlantic State University and must meet all admission requirements for that institution. The admission application process is handled through the Brunswick Center Office; the completed application and all transcripts of previous college work must be sent for preliminary processing to the Brunswick Center, which will then send the documents to the AASU Admissions Office.

### **After Admission:**

Once admitted to Armstrong Atlantic State University or either of the other consortium institutions, students are allowed to take courses offered through the Brunswick Center by all three institutions. The senior institutions accept all course work done through the Brunswick Center as resident credit. Upper level courses taken by Coastal Georgia Community College students will be applied toward their baccalaureate degrees. The Director of the Brunswick Center serves as the initial advisor for all students in the center. He meets with each student to outline an overall program as well as to plan a schedule each semester. Registration for the Brunswick Center is done through the Center office at the time of Coastal Georgia Community College registration. Students are encouraged to preregister for the next semester during the specified preregistration time each semester. Graduation requirements in each degree are set by Armstrong Atlantic State University. The respective department heads and the Registrar at AASU certify each candidate for graduation. All Brunswick Center students have full use of the Coastal Georgia Community College library and other support services of CGCC.

### **Fees:**

There is a \$15 processing fee which must accompany each application for admission to Armstrong Atlantic State University. Tuition fees for both senior college courses and junior college courses are collected at the current rates set by the University System Board of Regents. Senior college students taking four or more semester hours at Coastal Georgia Community College also must pay student activity and athletic fees at this institution. Tuition fees are paid to Coastal Georgia Community College.

### **Financial Aid:**

Prospective students interested in seeking financial aid should make application for their aid through the Financial Aid Office of their home school. Financial aid application forms for Armstrong Atlantic State University may be obtained from the Brunswick Center Office.

## Elderhostel Program

Elderhostel is an educational adventure for older adults looking for new beginnings, opportunities, and challenges. Participants from all over the world travel to college campuses, recreational sites, and conference centers in over 47 countries to experience academic, cultural, and social enlightenment. Participants are on site for a week, usually participating in three courses set up by the program coordinator. These courses are strictly informational, requiring no testing and no grading, and are often supplemented with tours and extracurricular activities.

Armstrong Atlantic State University has been providing Elderhostel since 1986 and now offers more than 45 weeks of programming per year at two sites: the AASU campus and Tybee Island. Armstrong's program is open to applicants within the community, nationwide, or abroad. Individuals 55 years of age and older are eligible. The program brings in more than 2200 participants in a year, contributing to Georgia's status as the second most popular state within the national program.

## Public Service Center

The Armstrong Atlantic State University Public Service Center is dedicated to assisting public entities to identify and resolve complex urban and regional issues. The center provides the expertise and training of Armstrong faculty and staff to help the public sector develop solutions for organizational challenges and concerns, leading to more effective and efficient service delivery. City and county governments, nonprofit human service and cultural groups, boards of education, colleges and universities, and state, regional, and local agencies comprise the broad spectrum of organizations that stand to benefit from the center's programs and services.

Services offered have grown to include the following specialties:

- conducting applied research and analysis of public and nonprofit sector issues and problems;
- performing program evaluation and surveying for public and nonprofit sector clientele;
- providing informed analysis and consultation on policy, procedure, and operations for public and nonprofit organizations;
- delivering and facilitating in-service training and personnel assessment centers;
- engaging in program development and planning to improve the delivery of local and regional government services;
- collecting and disseminating a variety of relevant information to local and regional service delivery groups;
- assisting public entities with grant and proposal writing.

## Regional Criminal Justice Training Center

The Armstrong Atlantic State University Regional Criminal Justice Training Center is a regional training site for criminal justice employees, especially those in law enforcement. The region consists of eighteen counties; however, training is made available to all criminal justice employees throughout the State of Georgia. The basic mission of the center is to provide certification classes for law enforcement and jail officers. In addition, there are numerous advanced and specialized courses for higher certification credits. The training center has seven full-time staff members and a large part-time instructor cadre.

## Armstrong Atlantic State/Savannah State Cross Enrollment Program

A student enrolled at Savannah State University or at Armstrong Atlantic State University taking *at least 6 semester hours* at their home institution has the privilege of taking courses at the other university without paying an additional fee. However, more than one half of the semester hours must be taken at the home university. Students majoring in business education may take more courses in these subject areas.

# Student Life

One of the primary aims of the educational mission at Armstrong Atlantic State University is the total development of students. This growth process is enhanced by integrating opportunities for social, emotional, cultural, physical and spiritual development in addition to intellectual growth. The Division of Student Affairs is committed to providing programs and services which foster an educational environment which will assist students in achieving their full potential. The university encourages learning through involvement in the residence center, student government, campus organizations, intramurals, and more.

## Residence Life and Food Service

The residence center, completed in September of 1985, consists of three buildings which house 64 students each. The apartment-style design encourages student interaction without a loss of privacy. Each two-bedroom suite, accommodating four students, has a bath and living room. All units are fully furnished, carpeted, and have unit-controlled heat and air conditioning. Phone jacks and an on-site coin laundry are added conveniences. Several units are equipped to accommodate students with disabilities. The residence complex is staffed by a head resident and resident assistants. These students are chosen on the basis of leadership and willingness to serve their fellow students.

Students who live in university housing are required to participate in the 19-meal plan provided in the Memorial College Center. The plan includes three meals per day, Monday through Friday, and morning and evening meals on the weekend. The meal plan is also available for students who do not choose to live in university housing.

Housing applications and/or specific information should be requested from the Office of Admissions or the Division of Student Affairs.

## Student Involvement

**The Orientation Program** is designed to promote social and academic adjustment of new students and transfer students. CHAOS (Communication, Help, Advisement, Orientation and Service) provides new students with the information, services and support essential to a successful transition into the Armstrong community. Participants in these one day CHAOS sessions receive individual attention from student leaders and staff as they acquire first hand experience with academic advising, registration, campus facilities, student activities, and university policies/procedures. The CHAOS program is a cooperative effort of student leaders and university staff. Competitive selection of student leaders occurs annually during Spring Semester. Inquiries concerning CHAOS should be addressed to the Division of Student Affairs. An abbreviated orientation program is scheduled for students new to the university prior to registration Spring and Summer Semesters.

**The Student Government Association** is the official governing body of the students at Armstrong Atlantic State University. It assists in formulating a program of student services and activities, and it strives to express the will of the majority of students and to provide experience in democratic living. All students are automatically members of the SGA and are entitled to vote in SGA elections. Qualified students may seek positions of leadership in the Student Government Association by running for office during the Spring elections.

**Student Clubs and Organizations** provide Armstrong Atlantic State University students with opportunities to develop leadership skills, broaden their social and professional backgrounds, and make a significant contribution to the university and the community. They reflect the natural variety of interests found in a diverse student body. Inquiries concerning any campus club or organization should be addressed to the Office of Student Activities.

**Religious:** Baptist Student Union, New Generation Campus Ministries, Wesley Fellowship, Newman Club.

**Greek:** Phi Mu Sorority, Kappa Alpha Psi, Sigma Kappa Chi.

**Professional:** Armstrong Biological Society, American Chemical Society, AASU Anthropology Club, AASU Engineering Society, Georgia Association of Nursing Students, James Moore Wayne Law Club, Jr. American Dental Hygienists Association, Medical Technology Club, Student Georgia Association of Educators, The E. B. Twitmyer Society (Psychology), and the Armstrong Economic Club, Association for Computing Machinery & Data Processing Management Association, Music Educators National Conference, Radiologic Technologies Association, National Art Education Association, Physical Therapy Club, Criminal Justice Club, Joel E. Hildebrand Chemistry Society, The Philosophical Debate, Political Science Club, Respiratory Therapy Club, National Student Speech, Language and Hearing Association.

**Special Interest:** Band, Cheerleaders, Chorus, College Republicans, Ebony Coalition, The Armstrong Environmental Coalition, AASU Gospel Choir, AASU Hispanic Society, Masquers, Pirates, Vocal Ensemble, and Women of Worth (WOW), Unity and Diversity League, Armstrong International Club, AISEC (International Association of Students Interested in Economics and Business Management), Cercle Francais.

**Academic Honor Societies** recognize and encourage superior scholarship in many fields of study. Campus chapters include: Alpha Sigma Chi (Physical Education), Beta Beta Beta (Biology), Alpha Sigma Chi (Physical Education) and Sigma Delta Tau (English), Sigma Theta Tau, Kappa Delta Pi, Honors Student Organization.

**Student Publications** provide opportunities for students to develop skills in creative writing, reporting, photography and design. The *Inkwell* (newspaper) and *Calliope* (literary magazine) are both produced by students under the supervision of approved university advisors. Student Photographic Services provides employment and recognition for Student photographers. All are financed primarily by the student activity fund.

**Intramural and Recreation Offerings.** The university places a high priority on its intramural and recreational offerings and provides a wide variety of activities including organized competitive sports. The Sports and Aquatic Recreation Centers include an indoor olympic-size pool, gymnasium, fitness center, sauna and indoor track. Outdoor facilities for tennis and field sports are adjacent.

**The Intercollegiate Athletics Program** at Armstrong is affiliated with the National Collegiate Athletic Association (NCAA) Division II. Athletic scholarships are available to support student-athletes who participate in the intercollegiate program. The men's athletic teams consist of basketball, baseball, tennis, and cross country. Women's teams include tennis, cross country, volleyball, basketball, and softball. Cheerleaders are also sponsored. Armstrong Atlantic State University is affiliated with the Peach Belt Athletic Conference. (Armstrong Atlantic State University, Augusta State University, Columbus State University, Francis Marion University, Georgia College and State University, Kennesaw State University, Lander University, UNC Pembroke, USC Aiken, USC Spartanburg, North Florida University, and Clayton College and State University).

**Cultural Opportunities** on campus and off are an important aspect in the total educational process. Nationally known speakers, contemporary concerts, dances, popular films, exhibits, and performances by outstanding classical and modern artists from around the world complement the student's general education. These programs are selected and coordinated by the Campus Union Board. Student dramatic, choral, and instrumental groups, under professional direction, have established distinguished traditions. On-campus offerings, such as the Faculty Lecture Series, broaden knowledge and interest in a non-classroom setting. The 1,000 seat Fine Arts Auditorium often hosts performances by the Savannah Symphony, area arts groups, and out-of-town troupes, such as the National Shakespeare Company and the Chinese Golden Dragon Acrobats.

## Student Services

**Counseling Services** are offered to currently enrolled and former students at no cost to the counselee. Whether setting goals or resolving personal issues, a student can be assured that discussions held with a professional counselor are strictly confidential. Students may schedule individual appointments or sign up for group workshops in the Division of Student Affairs on the second floor of the Memorial College Center.

The **Office of Career Services** provides assistance with all aspects of career development and the job search process. Students can receive assistance with the early stages of career development such as selecting a major, gathering occupational information, investigating career paths through individualized career counseling and computerized career guidance techniques. Part-time and full-time employment opportunities are listed in the Career Library along with cooperative education opportunities. Students closer to graduation may take advantage of one-on-one assistance or workshops on topics such as, resume writing, interviewing skills, business and social etiquette, dressing for success and applying to graduate school. Mock interviews are also available to help prepare students and alumni for the job search process. Also available, free of charge, is a resume and cover letter software package called ResumExpert. Users need to furnish an appropriate disk and provide resume paper to utilize this exciting system. Local, regional and national job listings, referrals and on-campus interviewing services are available to students and alumni registered with the Office of Career Services. Two job fairs are held annually. The job fair for liberal arts and health professions graduates is held every fall and the Education Career Day is held during spring term for Education students and graduates. All juniors and seniors are urged to register with the Office of Career Services three terms prior to graduation to establish a placement file and become eligible for placement services.

The **Alcohol and Drug Education Office** provides campus alcohol and drug prevention programming; and services to students with concerns about alcohol/drug related issues which include: personal assessments, counseling, and/or referral to community treatment programs. Assistance is also offered for other personal issues. The Division of Student Affairs coordinates support group meetings on campus and collaborates with local prevention and treatment facilities. Training is provided for residence hall advisors and CHAOS Leaders. Classroom instruction is provided upon request of instructors. Resource materials are available.

**Students with Disabilities** are provided accommodations appropriate to the documented need. These services are determined on an individual basis. Accommodations may include extended time on exams, alternate test format, reader services, sign language interpreters, assistive listening devices, note takers, assistance with registration or other services, as needed. If a student has a disability which may require accommodation, he/she should contact the Office of Disability Services in the Division of Student Affairs as soon as possible. Copies of Disability Services Policies and Procedures and the ADA Grievance Procedure are available in Student Affairs.

**Testing** for career interests, study habits, learning style, personal preferences, and ability is provided free of charge with counseling services. In addition, the following state- and nation-wide testing programs are administered by the Director of Counseling Services: Academic Profile, ACT PEP Regents College Degrees, College-Level Examination Program, DANTES Subject Standardized Tests, Graduate Record Examinations, Major Field Achievement Tests, Medical College Admission Test, Miller Analogies Test, Pharmacy College Admission Test, The Praxis Series, and the Regents' Testing Program. For information about these and other testing programs, please contact the Division of Student Affairs.

The **Minority Advisement Program** helps minority students develop interest in all facets of campus life. A peer advisor offers one-on-one assistance to students in adjusting to personal and academic life on campus. In addition, social, cultural and educational

activities designed to broaden all students' knowledge of African-American people and their contributions to society are presented.

**The Adults Academic Services Program**, directed by the Office of Adult Learning Services, provides information and guidance to mature students who are entering university studies for the first time or who are returning after several years away. Adults Back to College information sessions are offered each semester, and ABC information packets are available by mail.

**Veterans** will find the Veterans Affairs representative helpful in advising about certification procedures and services available to them.

**The Academic Computing Center** houses separate minicomputer and microcomputer facilities for student use. All machines in the Academic Computing Center are connected to the campus wide network and allow access to file servers and other network services. There is also a separate engineering micro computer lab with high performance Zenith color workstations and a Hewlett-Packard high speed pen plotter.

**The Office of Academic Orientation and Advisement** provides students with advisement services regarding core curricula, transfer course work, transient studies, majors, and career choices. Faculty advisors representing a variety of disciplines are available for student consultations in the office. Students may also access a variety of resources in print, via the World Wide Web, and on a computer based library of educational and occupational topics. The Office of Academic Orientation and Advisement also administers the Post-Secondary Options program for accelerated high school students, and the AASU 1101 Strategies for Success course. Open most evenings until 6:00 p.m., the office is located on the first floor of Victor Hall.

**The Writing Center** is a place where students in all disciplines may come for help with their writing. Tutors in the Writing Center offer individual instruction in basic writing skills and provide guidance in the preparation of essays, reports, and research papers. The aim of the Writing Center is not only to assist students in core composition courses, but also to work with faculty to improve writing across the curriculum. The center is administered by the Department of Languages, Literature, and Philosophy.

**The Reading Lab** is used by students who feel the need for assistance in college level reading. Staffed by student tutors and by faculty volunteers from the Department of Learning Support, the lab is open 6-8 hours a day and, in addition to one-on-one assistance, offers audiotapes and computer programs that foster the development of reading skills. The lab is administered by the Department of Learning Support and is located on the second floor of the Lane Library.

**The Math Tutorial Center** provides services on a first-come, first-served basis to a large number of students enrolled primarily in Learning Support Math or in College Algebra. The center is staffed 6-8 hours a day by student tutors and by faculty volunteers from the Department of Learning Support. The lab is administered jointly by the Department of Learning Support and the Department of Mathematics, and is located on the second floor of the Lane Library.

**Lane Library**, built in 1966 and substantially enlarged in 1975, supports the academic programs of Armstrong Atlantic State University. To that end, library faculty provide assistance to users in identifying, locating, obtaining, and using information resources.

The library collections consist of 800,000 items, including 185,000 book volumes; 600,000 microforms; and 9,000 individual audiovisual titles which include compact discs, records, laser discs, slides, and video recordings. In addition, the library subscribes to approximately 1,043 journals and newspapers. A special collection, the Florence Powell Minis Collection, contains publications of the university, published works by Savannah authors, and published material about Savannah and the surrounding area. The collection also includes first editions by Conrad Aiken, Flannery O'Connor, and other Savannah authors. Through participation in state, regional and national resource-sharing agreements with other libraries, Lane Library is able to borrow and to obtain for its clientele materials not available at Armstrong. ILL materials are delivered by UPS, fax and electronic delivery services.



Off-campus library services for AASU programs are supported by local libraries. Library directors coordinate the purchase of books, journal subscriptions and electronic media. Off-campus students may access library resources at home by accessing the online catalog, ORCA. Interlibrary loan may also be requested through ORCA. In addition, over 100 databases are available on GALILEO, a system of databases shared among the 34 University System of Georgia libraries. GALILEO may be accessed by registered AASU students from home via password.

## **Parking Regulations**

All vehicles driven on campus must display a college parking decal on the rear window. Free decals are available at the Public Safety Office on Science Drive.

All students, faculty, and staff are encouraged to become aware of the parking regulations. A set of regulations may be picked up in the Public Safety Office or Office of Student Affairs, and a copy is published in *Students Illustrated*.

# University Admissions

Armstrong Atlantic State University welcomes students who wish to pursue a college-level program of study. The Office of Admissions works hard to make the admissions process an easy one. Service to students is our priority, and academic achievement is expected, nurtured, and rewarded. If you have any questions about admissions policies, please call us at 927-5277 or 1-800-633-2349. We look forward to hearing from you and wish you well in your university studies.

## Admission Requirements

### All New Applicants

All applicants applying for admission must submit the following documentation:

- Undergraduate Admissions Application
- A \$20 nonrefundable Application Fee
- Certificate of Immunization. (All applicants must submit a University System of Georgia Certificate of Immunization form verifying immunity against measles, mumps, and rubella.)

### Freshman:

Applicants applying for freshman admission must submit the following additional documentation:

- Official \*\* High School Transcript
- Official \*\* SAT I or ACT Score Report
- Official \*\* GED Score Report, if applicable

### Transfer:

Applicants applying for transfer admission must submit the following additional documentation:

- Official \*\* Transcripts From Each Institution Attended (Transfer Students who do not have 30 transferable semester hours [45 quarter hours] must also meet Freshman admission requirements).

### Transient:

Applicants applying for transient admission must submit the following additional documentation:

- Letter of Good Standing

The Letter of Good Standing must indicate permission to take specific courses at Armstrong Atlantic State University. Transient students are admitted for one semester. If they wish to remain at Armstrong Atlantic State University longer than one semester they must submit a new Letter of Good Standing from their Dean or Registrar, or must meet all admission requirements for transfer admission. A transient student can enroll for no more than three consecutive terms.

\*\* Official indicates documents received directly from the forwarding institution

Information on Delayed Admission (nontraditional), Early Admission, International, Joint Enrollment, Outstanding Student Program, Post Secondary Options Program, and Readmission are listed under Special Admission Categories.

*SAT I applications and testing information may be obtained from the College Entrance Examination Board (Box 592, Princeton, New Jersey 08540). ACT testing materials may be obtained from the American College Testing Program (3355 Lenox Road, N.E., Suite 320, Atlanta, Georgia 33026-1332). An Institutional Scholastic Aptitude Test (ISAT) is offered by the Office of Counseling Services at Armstrong Atlantic State University each term. ISAT scores can be used only for admission to Armstrong Atlantic State University. AASU uses recentered SAT scores. All original SAT scores will be recentered for admission to the University.*

*The CEEB code assigned to Armstrong Atlantic State University is 5012. Exceptions to the SAT and ACT requirements are discussed in the Special Admissions section.*

## Regular Admission (Fall 1998)

An applicant must meet all of the following minimum admission criteria to be eligible for regular admission to the University.

- SAT verbal score of 460 or ACT English score of 20
- SAT math score of 430 or ACT math score of 18
- Freshman Index \* of 1910

In addition to meeting the above admissions criteria, applicants graduating from high school within the past five years must meet the requirements of the College Preparatory Curriculum (CPC) of the Board of Regents.

*\* Freshman Index = Combined SAT I scores + (High School Grade Point Average x 500) The high school grade point average is calculated only on College Preparatory Curriculum (CPC) course work required for admission.*

## College Preparatory Curriculum (CPC) Fall 1998

CPC Area (Units)	Instructional Emphasis/ Courses
English (4)	- Grammar and usage - Literature (American and World) - Advanced composition skills
Mathematics (3)	- Two courses in Algebra and one in Geometry
Science (3)	- Physical Science - Two laboratory courses from Biology, Chemistry or Physics
Social Science (3)	- Acceptable social science courses
Foreign Language (2)	- Two courses in one language emphasizing speaking, listening, reading and writing

## Satisfying College Preparatory Curriculum (CPC) Deficiencies (Fall 1998)

A student must satisfy all CPC deficiencies prior to earning 30 semester hours (45 quarter hours). In the areas of social science, science, and foreign language, the student is required to complete the appropriate course with a "C" grade or better. Students receive credit for courses used to satisfy College Preparatory Curriculum deficiencies, but such credit may not be used to satisfy core curriculum or degree requirements.

Students who are CPC deficient must satisfy the required course work according to established guidelines listed below.

**English** – Students who complete fewer than the four required units of English will be required to take the Collegiate Placement Examination (CPE) in English and the

CPE in Reading. Based on the student's score, the student would (1) exempt Learning Support English and/or Reading or (2) be placed in Learning Support English and/or Reading.

**Mathematics** – Students who complete fewer than the three required units of mathematics will be required to take the Collegiate Placement Examination (CPE) in mathematics. Based on the student's score, the student would (1) exempt Learning Support Mathematics or (2) be placed in Learning Support Mathematics.

**Science** – Students who complete fewer than the three required units of science will be required to take an additional three semester hour course in a laboratory science. The course must be in the specific content area(s) in which the student is deficient.

**Social Science** – Students who complete fewer than the three acceptable units of social science will be required to complete one additional three semester hour course chosen from approved social science courses. The course must be in the specific content area(s) in which the student is deficient.

**Foreign Language** – Students who complete fewer than two units of the same foreign language will be required to complete one additional three semester hour introductory foreign language course.

Applicants who graduate from non-accredited or unapproved high schools, including home schooled students and GED recipients, will be required to satisfy CPC requirements by passing the SAT II Subject Tests. For Fall semester 1998, applicants who pass the Basic Group plus one additional SAT II Subject Test will be eligible for admission to the University if all other freshman admission requirements are met. The SAT II Subject Tests are administered through the College Board.

<b>(Basic Group)</b>	<b>Passing Minimum Score</b>
English Writing	520
Math IC or IIC	500
American History and Social Studies	560
Biology	485
<b>Additional SAT II Subject Tests</b>	
Chemistry	540
Physics	590
English Literature	to be determined
Foreign Language	to be determined
World History	to be determined

### **Exceptions to the CPC Requirement**

- Non-traditional students. ( See Delayed Admission under Special Admissions Categories)
- Students pursuing an Associate of Applied Science degree program or the Basic Law Enforcement Program.

### **Limited Admission (Fall 1998)**

An applicant must meet two of the following minimum admission criteria to be eligible for limited admission. Limited admission applicants who are eligible will be placed in an applicant pool and considered for admission to the university.

- SAT verbal score of 350 or ACT English score of 14
- SAT math score of 330 or ACT math score of 14
- Freshman Index \* of 1600

\* Freshman Index = Combined SAT I scores + (High School Grade Point Average x 500) The high school grade point average is calculated only on College Preparatory Curriculum (CPC) course work required for admission.

In addition to meeting two of the above admissions criteria, applicants who graduated from high school within the past five years must meet the requirements of the College Preparatory Curriculum (CPC) of the Board of Regents. Applicants applying for Fall semester 1998 may have no more than three CPC deficiencies to be eligible for admission to the university. (See College Preparatory Curriculum under Regular Admission)

An applicant who does not qualify for regular admission will be given the Collegiate Placement Examination (CPE) in order to qualify for admission to the university. (A student will be given the CPE if the verbal SAT score is less than 460 (ACT English 20) or the math SAT score is less than 430 (ACT math 18). This examination must be taken before a student can register for classes at Armstrong.

Students are required to enroll in Learning Support courses if their CPE scores fall below either the University System of Georgia minimum or the institutional minimum. They may exit the Learning Support Program:

- by earning passing scores on all required parts of the Collegiate Placement Examination.

If any required part of the CPE is not passed, the student will be required to enroll in the appropriate learning support course. Upon successful completion of all required learning support courses and passing the CPE, the student will exit the learning support areas (English, Reading and Math).

Under the semester system, students are limited to a total of three attempts in each learning support area, including both required and voluntary participation. Students who do not complete the requirements for each area after a maximum of three attempts per area are subject to Learning Support Suspension. Contact the Office of Learning Support for copies of the department's policy.

Students who are required to enroll in learning support classes must have a schedule of classes approved by the Learning Support Counselor or by an advisor within that department each term the student registers.

## Special Admission Categories

### Delayed (Non-traditional) Admission

Delayed admission (Non-traditional) applicants are defined as students who

- Have been out of high school at least five years or whose high school class graduated at least five years ago.
- Hold a high school diploma from an accredited or approved high school as specified or have satisfactorily completed the GED.
- Have earned fewer than 30 transferable semester hours (45 quarter hours)
- Have not attended college within the past five years (or are in good standing at the last college attended, if admitted to that college as a non-traditional student).

Applicants admitted as non-traditional students are not required to take the SAT / ACT test or fulfill the College Preparatory Curriculum (CPC). However, these applicants will be required to take the Collegiate Placement Examination and complete any learning support requirements.

### Early Admission

Armstrong Atlantic State University offers an early admission program for those students who have completed their junior year in high school and who have demonstrated outstanding academic potential. The criteria for admission to this program are the same as those listed for the Joint Enrollment Program. For further information on this program, prospective applicants must consult with their high school counselors.

Units of the University System of Georgia are prohibited from accepting transfer credit awarded by any college or university to students enrolled in joint high school and

college enrollment programs unless those students have a minimum SAT score of 970 and a high school Grade Point Average of 3.00 (B) on a 4.00 scale.

### International Student Admissions

Admission of international students is based on academic admissibility, English proficiency, and proof of financial means to study in the United States. International applicants must document their ability to meet the financial requirements for attendance as required by U.S. Immigration regulations. It is recommended that international students begin their attendance at the university in the fall semester. The university also recommends that international students attend an ESL language center prior to enrollment. Please contact the Office of Admissions by writing to Armstrong Atlantic State University, International Admissions, 11935 Abercorn St., Savannah, GA 31419-1997, or call 912-927-5277 to receive an admissions packet or to ask questions.

**International students must meet the following requirements before application is made:**

1. International students must have completed the equivalent of graduation from a U.S. high school. However, College Preparatory Curriculum (CPC) requirements do not apply to these students.
2. Each applicant must have official secondary (high school) or post secondary (college or university) credentials, certificates, or diplomas **mailed to the Office of Admissions at Armstrong Atlantic**. Official documents must bear authoritative signatures, seals and /or stamps and should be sent by the institution responsible for issuing such documents. In cases where it is impossible for these credentials to be sent from the institution or only one set of originals is available to students, they should forward an "attested" copy of the original. The attestation must be done by a proper institution official or by the Ministry of Education in the home country. A certified original translation must accompany all documents not printed in English.  
Transfer applicants with credentials from institutions outside of the United States are required to have a course by course evaluation from a professional evaluation agency before they are eligible for admission to the university. Please contact the Office of Admissions for an evaluation application.
3. Each applicant must provide official scores of the Scholastic Aptitude Test (SAT) or The American College Testing Program (ACT).
4. A student whose native language is not English must take the Test of English as a Foreign Language (TOEFL) and score a minimum of 500 for consideration for admission to the university. The TOEFL is not a substitution for the SAT or ACT.
5. In addition to meeting the regular admission requirements, international applicants who need a student visa must show ability to meet financial obligations of tuition, fees, and living expenses before a Certificate of Eligibility (I-20 AB) and an acceptance letter will be issued. Current (less than one year old) letters of financial support must accompany the Statement of Financial Resources. Having sufficient funds for the cost of living and educational expenses is required by U.S. Immigration regulations and is also necessary because other than competitive scholarships for which students must qualify, there is no financial aid available for international students at Armstrong Atlantic State University. International students on non-immigrant visas are not eligible for state or federally-funded loans or scholarships in the United States.
6. Health insurance is mandatory for all international students on non-immigrant visas enrolled at Armstrong Atlantic State University.

After completion of application form and submission of all required records, the university will make a decision on the application. If an application is approved, the university will send an I-20 form (which the international student will use to obtain a student visa).

### **Joint Enrollment Admission**

Through this program for superior high school juniors and seniors, students may complete more than two-thirds of the freshman year of college before beginning a regular college career. Students in this program may enroll for college credit in a maximum of two courses each term while completing their junior or senior year of high school.

Students forfeit the privilege of this program if they receive a college course grade below C or their high school average in academic courses falls below B in any term. The university will consider students for this program only upon written recommendation of their high school principals or counselors.

Applicants must meet freshman admission requirements and the following criteria to be eligible for Joint Enrollment admission.

- Minimum Scholastic Aptitude Test score of 970 (combined verbal and mathematics sections) or the ACT composite no less than 21;
- Minimum cumulative high school grade point average of 3.0 or a numerical average of 80 or higher in academic subjects; .
- Written recommendation from the high school principal or counselor;
- Written consent of parent or guardian (if the student is a minor);
- Completion of the University System of Georgia College Preparatory Curriculum requirements with the following exceptions:
  - Students with SAT verbal scores of at least 530 (or ACT English of at least 23) who have not completed the final unit of high school English and /or social studies may be permitted to fulfill these high school requirements with the appropriate college courses taken through the joint enrollment program.
  - Students who have not completed the College Preparatory Curriculum requirements may be admitted through the joint enrollment program if they are enrolled in the necessary high school courses and scheduled to complete the requirements by the end of their senior year.

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

### **Non-Degree Student Admission**

Applicants who have never attended college and who wish to pursue courses for personal enrichment or advancement may be admitted as non-degree students by permission of the Director of Admissions. To be considered, an applicant must possess a high school diploma (or have completed the GED satisfactorily) and have been out of high school for a period of seven or more years.

The SAT/ACT test is not required; however, students must take the Collegiate Placement Examination. Applicants admitted as non-degree students may earn a maximum of ten semester credit hours (including institutional credit) before being required to fulfill any learning support requirements. To enter a degree program, fulfillment of all beginning freshman requirements is necessary. A non-degree student must satisfy all prerequisites before enrolling in a course.

### **Outstanding Students Admission**

Applicants who demonstrate very high academic ability by achieving a composite SAT I (verbal +math) score in the upper five percent of national college-bound seniors

according to the most recent report from the College Board and who show other evidence of college readiness will be admitted as Outstanding Students. (An ACT score which is equivalent to this SAT I score can also be used) Students admitted under this admissions category are not required to meet the Freshman Index admissions requirement. Outstanding Students must satisfy any College Preparatory Curriculum (CPC) deficiencies in areas other than English or mathematics through college level course work.

## Readmission

Students who have not been enrolled at Armstrong for three consecutive semesters must apply for readmission on a form provided by the Office of the Registrar. Former students who have not attended another college since leaving Armstrong may be readmitted, provided they are not on suspension at the time they wish to reenter. Former students who have attended another college since leaving Armstrong must meet transfer admission requirements as listed in the catalog in effect at the time of return. All readmitted students must follow semester requirements.

## Transfer Admission

An applicant who has previously attended a regionally accredited institution of higher education is considered a transfer student and must meet transfer admission requirements.

A transfer applicant who has completed fewer than 30 transferable semester hours (45 quarter hours) of core curriculum or whose only attendance has been at a regionally accredited technical college in a "Non-College Transfer Program" will be required to meet freshman admission requirements (including the submission of official transcripts from each institution attended). Applicants who graduated from high school within the past five years are also required to meet College Preparatory Curriculum Requirements (CPC). Transfer students who transfer from another University System of Georgia institution will retain their College Preparatory Curriculum (CPC) requirements as determined by the sending institution.

A transfer applicant will not be considered for admission unless the transcript of the college or university last attended indicates that the student is academically eligible to return to that institution. Any transfer applicant who is not academically eligible to return to the last institution attended will be denied admission to the university. Transfer applicants may appeal this decision by completing an Appeal Form and submitting this form to the Dean of Academic and Enrollment Services. The Admissions and Academic Standing Committee meets each term to review admission appeals.

## Academic Standing and Grade Calculations

Armstrong's Academic Standing policy will be used to determine an applicant's entering academic standing. Transfer applicants who are academically eligible to return to the college or university last attended yet fall below the required Overall Grade Point Average (GPA) as indicated by Armstrong's Academic Standing Policy will be admitted on Good Standing with Warning. Transfer students admitted to the university by permission of the Admissions and Academic Standing Committee will enter on Academic Probation. Transfer applicants, from within the University System of Georgia, who have learning support requirements, but have not yet exited the required areas of learning support, will not be considered for admission. Transfer applicants, from outside the University System of Georgia, with at least 30 semester hours of transferrable core curriculum with a 2.0 overall grade point average are not required to take the College Placement Examination.

To be eligible for continued enrollment, all transfer students are expected to maintain or exceed the required Overall Grade Point Average (GPA) as indicated by Armstrong's Academic Standing policy.



All previous college credit is included in the calculation of a student's Overall Grade Point Average at Armstrong Atlantic State University (including D and F grades). Letter grades transfer at face value. Armstrong does not recognize + or - indicators when transferring credit from another institution. Incomplete grades also transfer and remain as a grade of "I" until a grade change to remove the incomplete is received from the previous institution, the course is repeated or the previous institution's policy indicates that there is no penalty for an incomplete. "I" grades will revert to an "F" in accordance with university policy if not resolved by midterm of the second term of attendance at Armstrong. College credit is not awarded for pre-college level and remedial courses, courses taken for diploma or certification purposes, continuing education courses or vocational courses. Transfer quarter hours will be converted to semester hours at a ratio of 1:1.5 (i.e., 5 quarter hours will convert to 3.3 semester hours).

## **Awarding of Transfer Credit**

The university makes every effort to transfer credit for academic work completed at other institutions. All transfer applicants must provide the Office of Admissions with an official transcript of all credit earned at each previously attended college or university, regardless of the transferability of credits. An official evaluation of acceptable college credit awarded will be mailed to transfer students when all official transcripts have been received from each institution previously attended. This Student Transfer Evaluation will be completed prior to or during the student's first term of attendance. Transfer credit may be accepted from degree granting institutions that are accredited at the collegiate level by their appropriate regional accrediting agency. No transfer credit will be awarded from institutions that are not regionally accredited. Students may appeal individual course decisions.

Applicants transferring from an institution which is not a member of a regional accrediting agency must achieve a "C" average on their first fifteen semester hours of work at Armstrong in order to be eligible to continue. At that point, the student may request a review of prior credit earned at a nonaccredited institution as it would apply to a chosen degree program. This review process begins in Office of the Registrar. In certain areas, students may be required to validate credits by examination. In computing cumulative grade point averages, only the work attempted at Armstrong will be considered.

Credit earned in a designated college transfer program from which the student graduated at an accredited technical college will be evaluated on a course by course basis, if applicable to specific degree program requirements. This transfer practice may be further defined by specific articulation agreements with individual technical schools.

Armstrong Atlantic State University reserves the right to refuse to accept any or all of the credits from any high school or other institution, notwithstanding its accredited status, when the university determines, through investigation or otherwise that the quality of instruction at such high school or institution is, for any reason, deficient or unsatisfactory. The judgment of the university on this question will be final.

## **Meeting Degree Requirements**

Transfer students must meet all applicable requirements under the General Degree Requirements to graduate from Armstrong Atlantic State University.

If Core Curriculum requirements in Areas A,B,C,D or E have been completed at another University System of Georgia institution, each completed area will be accepted as having met the respective area requirement at Armstrong. A department may require students to enroll in a core course that is required for a specific major if that course was not taken to satisfy the core area requirement.

Transfer students from outside the University System of Georgia who have not yet completed the required English composition courses in Area A of the Core Curriculum should make an appointment to meet with the Composition Coordinator for an English

Placement Interview prior to their first registration. The coordinator will assist the student in determining placement in the appropriate composition course(s), evaluating other English course credits, and reviewing the Regents' Test requirement.

Transfer students from outside the University System of Georgia must exhibit satisfactory knowledge of Georgia government through a test on the Georgia Constitution and Government or by satisfactorily completing an equivalent course. This test is given each term on campus. Completion of American Government at a non-system institution does not normally satisfy this requirement.

## Transfer of Non-Traditional Credit

### Credit by Examination

Armstrong Atlantic State University will grant up to one-fourth of the credit required in a college degree for satisfactory scores on the following examinations:

#### Advanced Placement (AP)

- American History – 3
- Biology – 4
- Calculus AB – 3
- Calculus BC – 3
- Chemistry – 3
- Computer Science AB – 3
- English: Language and Composition or  
Literature and Composition – 3
- European History – 3
- French – 3C
- German – 3C
- Government and Politics: U.S. – 3C
- Latin – 3L
- Spanish – 3C

#### SAT II: Subject Tests

- American History – national average
- European History – national average

#### Regents College Examinations (ACT:PEP)

- Statistics – 45

#### College-Level Examination Program (CLEP)

- American Government – 47C
- American History I – 47
- American History II – 46
- Analysis and Interpretation of  
Literature with Essay – 50
- Calculus with Elementary Functions – 45
- College Algebra – 50
- College Algebra-Trigonometry – 54
- College French – 39C
- College German – 36C
- College Spanish – 45C
- Freshman College Composition with  
Essay – 49
- Humanities – 450
- Introductory Sociology – 47
- Natural Sciences – 450C
- Western Civilization I – 46
- Western Civilization II – 47

#### DANTES Subject Tests

- Astronomy – 61
- Criminal Justice – 49
- General Anthropology – 47

These guidelines are subject to change without notice.

*Academic departments select the examinations and determine the passing scores which follow the test titles. The letter C following a score denotes conditional credit and means that an additional requirement must be satisfied before credit hours will be awarded. For example, the award of credit in American Government is contingent upon passing a local test on Georgia government, as well as an AP or CLEP test. The credit hours awarded are the same as those earned by students who complete the equivalent course(s). The letter-grade K is used to identify credit by examination and has no effect on the academic grade point average. The Office of the Registrar adds courses and credit hours to the academic records of enrolled students. A brochure published by the Division of Student Affairs lists equivalent courses, any conditions for award of credit, and test dates.*

For additional information, please make inquiry to the Office of Admissions or the Division of Student Affairs.

## College Credit for Military Experience and Training

Transfer applicants who wish to have their military experience and training evaluated for college credit should consult with their advisor in their major department to determine if credit for military experience is appropriate and applicable to specific degree program requirements. Students should present official documentation of experience and training (i.e. Army/American Council on Education Registry [AARTS] transcript for US Army personnel and Community College of the Air Force transcript for Air Force personnel) to the Office of Admissions and their academic advisor for evaluation of degree related experience and/or training.

Based on a minimum of one year of continuous active duty, veterans may receive three semester hours of credit for physical education activities. Veterans should submit a DD Form 214 and active duty personnel should submit a DD Form 295 to the Office of Admissions for verification.

## Transient Student Admissions

Students enrolled in another college or university may apply for temporary admission to Armstrong Atlantic State University as a transient student. Applicants must meet transient admission requirements as outlined under Admission Requirements.

Transient students are admitted for one semester. If they wish to remain at Armstrong Atlantic State University longer than one semester they must submit additional statements from their Dean or Registrar or must meet all transfer admission requirements. A student can enroll for no more than three consecutive terms as a transient.

## Special Admission Programs

### Certificate Programs

Armstrong Atlantic State University offers several certificate programs that have specific admission requirements in addition to admission to the university. Please refer to the appropriate area in this catalog for details.

- Basic Law Enforcement Certificate—see Special Programs
- Gerontology Certificate—see Health Science
- Medical Technology Certificate—see Medical Technology
- Post Baccalaureate Radiation Therapy Certificate—see Radiologic Sciences

### External Degree Programs

Applicants who wish to earn a degree from Armstrong Atlantic State University through the external degree programs must meet all admission requirements. External degree sites include the Brunswick Center on the campus of the Coastal Georgia Community College in Brunswick and the Liberty Center on the Fort Stewart U.S. Army Post in Hinesville.

### Brunswick Center

Approved by the Board of Regents in 1986 as a cooperative effort among Armstrong Atlantic State University, Coastal Georgia Community College, and Georgia Southern University, the Brunswick Center serves as a consortium dedicated to expanded offerings for higher education in and around the Brunswick, Georgia area. The Center is located on the campus of the Coastal Georgia Community College. Armstrong offers degree programs for a Bachelor of General Studies, Bachelor of Science in Education in

Early Childhood Education and Middle Grades Education, Bachelor of Science in Nursing, and Associate Degree in Dental Hygiene through this off-campus site.

### **Liberty Center**

As a result of a cooperative effort by Armstrong Atlantic State University, Savannah State University, Georgia Southern University, Coastal Georgia Community College, East Georgia College, Fort Stewart, and the business, civic, and educational leaders in Hinesville and Liberty County, the Liberty Center was established. Courses are offered to students in the Liberty County area who would like to begin and/or continue their education locally. The Liberty Center is located at the Fort Stewart Army Education Center. Courses are offered at the center and at other area sites. Core curriculum, learning support, and courses leading to a wide array of Associate, Bachelor and masters degrees are offered by the consortium.

### **Honors Program**

The Honors Program is designed to challenge and reward students of high academic ability and motivation with special intellectual, cultural, and social opportunities. Its courses are intellectually challenging and offer a breadth of perspective and depth of understanding. Beyond the classroom, the program also aims to create an atmosphere that encourages students to fully develop their interests and abilities and provides them with an edge in their future goals.

The program consists of two parts:

- a) Honors in the Core: Honors students complete the Honors in the Core requirement by earning a "B" or better in three of the following courses:
  - HIST 1112H (Honors Civilization II)
  - ENGL 1102H (Honors Composition)
  - ENGL 2100H (Honors Literature)
  - MATH 1161 (Calculus I) or MATH 2072 (Calculus II)
  - PSYC 1101H (Honors General Psychology)
  - CHEM 1212H (Honors General Chemistry II)
- b) Honors in the Major: Honors students complete the Honors in the Major component by completing the requirements specified by the major area and approved by the Honors Committee. These requirements may include a specific course or an independently designed research project, paper, or performance.

### **Admission to the Program**

#### **Entering Students**

Entering students may apply to the Honors Program if they score both 1100 on the SAT and graduate with 3.2 GPA on a 4.0 scale. Students scoring 3 or better on each of three Advanced Placement examinations of the College Board are also eligible to apply.

#### **Continuing Students**

Continuing students may apply to enter the Honors Program if they have at least a 3.2 overall GPA in university coursework and are either enrolled in or have completed an honors course. Honors courses in the core are open to all students who meet the published prerequisites.

## Scholarships

A limited number of scholarships are available for qualified students who meet and maintain high standards of academic performance. Participation in the Honors Program will be considered a positive factor in the evaluation of scholarship awards.

## Extracurricular Activities

The Honors Program hosts luncheons, field trips, and other social events each quarter designed to help participants plan their program of study, to allow participants to meet faculty teaching Honors classes, to recognize outstanding student achievements, and to plan group participation in social and cultural activities. Additional benefits include early preregistration privileges, honors housing, and the Honors Classroom and Lounge in Gamble Hall.

Contact: For more information and an application form, please contact the Coordinator of the Honors Program, Dr. Mark Finlay, (912) 921-5642, (fax) (912) 921-5581, or [mark\\_finlay@mailgate.armstrong.edu](mailto:mark_finlay@mailgate.armstrong.edu)

## Post Secondary Options Program

Students who meet the requirements for Early Admissions or Joint Enrollment Admissions and who are enrolled in an accredited public high school may apply for the Post Secondary Options Program. This program is designed to allow high school students the opportunity to enroll in college level courses to satisfy high school requirements while also earning college level credit. Students enrolled in this program will have matriculation fees waived but must pay all other student fees. Applicants must also submit a Post Secondary Options Application form before they are accepted into this program.

## Regents Engineering Transfer Program

The Regents Engineering Transfer Program (RETP) at Armstrong Atlantic State University provides two access points for admission.

- I. At the time of admission to Armstrong Atlantic State University, the student must have achieved at least a 560 on the mathematics portion of the Scholastic Aptitude Test (SAT), a 530 on the verbal portion of the SAT, and a 3.0 high school grade point average. However, any student who has been admitted to an engineering program at Georgia Tech on the basis of his/her academic record can enter Armstrong Atlantic State University as a RETP student even if the above requirements are not met.
- II. Students at Armstrong Atlantic State University who do not qualify for admission to the RETP under Access Point I but want to join the program at the end of the freshman year must fulfill the following criteria: completion of Mathematics 1161 and 2072 with grades of "B" or higher, completion of Chemistry 1211 and 1212 with grades of "B" or better, and a college grade point average of 3.0.

Regents Engineering Transfer Program students who satisfactorily complete the pre-engineering curriculum and apply for transfer will be accepted to Georgia Tech.

## Sixty Two Plus Program

**Sixty-two Plus** is an Armstrong Atlantic State University program of lifelong learning for senior citizens. Persons who are at least 62 years old may enroll in credit courses on a space-available basis without payment of fees, except for books, supplies,

laboratory or special course fees. They must be residents of Georgia and must present a birth certificate (or comparable written documentation of age) to enable the Office of Admissions to determine eligibility. In addition, individuals in the 62 Plus program must meet all admission and degree requirements. Information about this program may be obtained from the Office of Adult Academic Services. Once Sixty-Two Plus students have earned ten semester hours (including institutional credit), they will be required to fulfill any learning support requirements.

## **SOCAD Program**

Active duty military and their dependents may elect to attend Armstrong Atlantic State University under the provisions of the SOCAD Agreement. Applicants who have an active Student Agreement with another SOCAD institution should meet admission requirements for Transient Students. The Student Agreement will act as the transient letter. Applicants who wish to earn a degree from Armstrong Atlantic State University under the SOCAD provisions should meet either freshmen or transfer admission requirements.

## **Veterans Affairs Program**

After having been accepted at Armstrong Atlantic State University and upon receipt of certification of eligibility and entitlement from the Veterans Administration, veterans may attend under Public Law 358 (Veterans Readjustment Benefit Act of 1966), Public Law 815 (disabled), Public Law 894 (disabled), Public Law 634 (war orphans), or Public Law 631 (children of permanently disabled veterans). Students under Public Laws 358, 631, 634 should be prepared to pay tuition and fees at the time of registration. Veterans must have received notification of acceptance to the university prior to contacting the Office of Veteran Affairs to begin certification of eligibility process.

## **Vocational Rehabilitation Applicant Program**

Those applicants sponsored by Vocational Rehabilitation or other community agencies must apply at least six weeks before the beginning of any semester to insure proper processing of applications.

## **Acceptance to the University**

Applicants must provide evidence of academic success in order to be admitted as a student. Armstrong Atlantic State University reserves the right to review any and all related documentation and employ appropriate assessment mechanisms to ascertain the suitability of applicants to enroll in the University. The decision for acceptance or denial of admission to the university will be based upon the results of this review.

The university may require any applicant to appear for a personal interview and to take any achievement, aptitude and psychological tests it deems appropriate in order to make a decision regarding the applicant's qualification for admission to the university.

Final acceptance of each applicant is determined by the Director of Admissions and is subject to the applicant's right of appeal to the Admissions and Academic Standing Committee prior to the beginning of the desired term of entry. The committee will review the appeal and make a recommendation to the President of the university, who will render a decision. The university reserves the right to withdraw admission prior to or following enrollment if the student becomes ineligible as determined by the standards of the university or Board of Regents.

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The university reserves the right to reject an applicant who is not a resident of the State of Georgia. All students enrolled at Armstrong Atlantic State University are required to abide by the provisions of the Honor Code.

## **Graduate Admissions**

Graduate program specific admission requirements are listed in the Armstrong Atlantic State University Graduate catalog.

## Expenses and Fees

### Expenses

The following lists the principal expenses and regulations concerning the payment of fees. Fees and other charges are subject to change without notice. When such changes are made, notice will be given as far in advance as possible. Expenses are in the form of tuition, nonresident tuition, student services fees and other special fees. Fees of all students are due and payable at time of registration; registration is not complete until all fees have been paid.

### Tuition and Required Fees (Per Semester)

#### 1998-99 Undergraduate Fees\*

HRS.	RESIDENT	NON-RESIDENT	HRS.	RESIDENT	NON-RESIDENT
1	\$217.00	\$435.00	7	\$649.00	\$2,175.00
2	289.00	725.00	8	721.00	2,465.00
3	361.00	1,015.00	9	793.00	2,755.00
4	433.00	1,305.00	10	865.00	3,045.00
5	505.00	1,595.00	11	937.00	3,335.00
6	577.00	1,885.00	12+	1,010.00	3,620.00

#### 1998-99 Graduate Fees\*

HRS.	RESIDENT	NON-RESIDENT	HRS.	RESIDENT	NON-RESIDENT
1	\$228.00	\$478.00	7	\$726.00	\$2,476.00
2	311.00	811.00	8	809.00	2,809.00
3	394.00	1,144.00	9	892.00	3,142.00
4	477.00	1,477.00	10	975.00	3,475.00
5	560.00	1,810.00	11	1,058.00	3,808.00
6	643.00	2,143.00	12+	1,145.00	4,145.00

\*subject to change

Fees are charged at either the Undergraduate or Graduate rate based upon the student classification in the Student Information System. Non-resident tuition is charged to students who are not classified as Georgia residents.

Students in specified courses, i.e. applied music and scuba diving, may be subject to additional fees.

Non-resident tuition is waived for active duty military personnel and their dependents stationed in Georgia (except military personnel assigned to this institution for educational purposes). Documentation must be presented to the Registrar's office.

On-campus students pay an activity fee and an athletic fee each semester, regardless of the number of hours enrolled.

Students registered only for off-campus courses do not pay student activity or athletic fees. Students registered for a combination of on- and off-campus courses do pay student activity and athletic fees.

Tuition and fees are waived for Georgia residents who present written documentation to the Registrar's office that they are 62 years of age or older.

Contact the Registrar's office for a detailed fee information sheet.

### Regents' Policies Governing Residency Requirements

To be considered a legal resident of Georgia, the applicant must establish the following facts to the satisfaction of the Registrar.

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



- (b) 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.
2. If a person is under 18 years of age, he or she may register as an in-state student only upon a showing that his or her supporting parent or guardian has been a legal resident of Georgia for a period of at least twelve months immediately preceding the date of registration.
  3. If a parent or legal guardian of a minor changes his or her legal residence to another state following a period of legal residence in Georgia, the minor may continue to take courses for a period of twelve consecutive months on the payment of in-state tuition. After the expiration of the twelve month period, the student may continue his or her registration only upon the payment of fees at the non-resident rate.
  4. In the event that a legal resident of Georgia is appointed as guardian of a non-resident minor, such minor will not be permitted to register as a resident student until the expiration of one year from the date of court appointment, and then only upon a proper showing that such appointment was not made to avoid payment of the non-resident fees.
  5. Aliens shall be classified as non-resident students provided, however, that an alien who is living in this country under an immigration document permitting indefinite or permanent residence shall have the same privilege of qualifying for resident tuition as a citizen of the United States.
  6. Waivers: An institution may waive non-resident tuition for:
    - (a) non-resident students who are financially dependent upon a parent, parents or spouse who has been a legal resident of Georgia for at least twelve consecutive months immediately preceding the date of registration; provided, however, that such financial dependence shall have existed for at least twelve consecutive months immediately preceding the date of registration.
    - (b) international students, selected by the institutional president or their authorized representative, provided that the number of such waivers in effect does not exceed one percent of the equivalent full-time students enrolled at the institution in the fall semester immediately preceding the semester for which the out-of-state tuition is to be waived.
    - (c) full-time employees of the University System, their spouses, and their dependent children.
    - (d) full-time teachers in the public schools of Georgia or in the programs of the State Board of Technical and Adult Education and their dependent children. Teachers employed full-time on military bases in Georgia shall also qualify for this waiver;
    - (e) career consular officers and their dependents who are citizens of the foreign nation which their consular office represents, and who are stationed and living in Georgia under orders of their respective governments. This waiver shall apply only to those consular officers whose nations operate on the principle of educational reciprocity with the United States.
    - (f) military personnel and their dependents stationed in Georgia and on active duty unless such military personnel are assigned as students to System institutions for educational purposes.
    - (g) students who are legal residents of non-resident counties bordering on Georgia counties in which an institution of the University System is located and who are enrolled in said institution.

## Residency Reclassification

A student is responsible for registering under the proper residency classification. A student classified as a non-resident who believes that he/ she is entitled to be reclassified as a legal resident may petition the Registrar for a change in status. The petition must be filed no later than sixty (60) days after the term begins in order for the student to be considered for reclassification for the term. If the petition is granted, reclassification will not be retroactive to prior semesters. The necessary forms for this purpose are available in the Registrar's office.

## Student Housing/Food Service

Students wishing to live in the dormitory must submit the AASU housing application and a \$100 deposit to the Office of Student Affairs. Contact Student Affairs for general housing information or Financial Services for additional financial information. Refer to the housing contract for specific terms and conditions.

### Resident Hall Fees (per semester)

Single (no roommate) .....	\$2,460.00
Double (with roommate) .....	\$2,142.00
(both of the above include food service of \$900.00 per semester)	
Per Night Rate (without meals) .....	\$20.00

## Other Special Costs

**Application Fee: Non-refundable** ..... \$20.00

Must accompany initial application. Acceptance of application fee does not constitute acceptance of the student.

### Exit Exam Fee:

Fees are announced in test bulletins.

**Graduation Fee: Non-refundable** ..... \$39.00

Payable by each candidate for graduation when graduation application is submitted two semesters prior to graduation. If candidate is receiving a second degree at the same graduation ceremonies, an additional \$5.00 is due. The full \$39.00 is charged for a second degree awarded at a subsequent graduation ceremony. A fee of \$20.00 is charged for each replacement diploma.

**Health Professions Deposit:** ..... \$50.00

Reserves a seat in appropriate health program, payable upon application to program.

**Physical Therapy Deposit: Non-refundable** ..... \$150.00

Deposit for accepted physical therapy applicants to retain their position in the program. This deposit may be applied to the student's first semester tuition.

**Late Registration Fee: Non-refundable** ..... \$40.00

Fee charged to students who register after the registration period.

## Music Fees

Applied music courses consist of one twenty-five minute private lesson per week (MUSC 1300) or a fifty minute private lesson per week (MUSC 1400, 2400, 3400, 4400). A special fee of \$87.00 is charged for students enrolled in MUSC 1300. A special fee of \$174.00 is assessed for MUSC 1400/4400 to music majors enrolled for less than 12 hours and to students who are not music majors. Music majors may enroll, at no charge, for one

applied music course from MUSC 1400-4400. Additional applied music courses will be assessed a special fee at the non-music major rate.

The applied music fee is refundable only if the student does not meet the first scheduled lesson.

### Short Courses (Non-Credit)

Fees are announced for each semester when the course is scheduled by the university. Students who formally withdraw from a short course or conference up to twenty-four hours prior to the first class meeting will receive a full refund of fees paid. No refunds will be made for withdrawals after the first class meeting. Fees paid for courses or conferences cancelled by the Office of Continuing Education will be refunded 100%. Refund checks will be mailed approximately four weeks after the approved withdrawal form is received by Financial Services.

### Refund Policy

Refund of tuition and fees may be requested only upon written application for withdrawal from school. The withdrawal form should be completed in the Office of Student Affairs. *NO REFUNDS WILL BE MADE TO STUDENTS DROPPING A COURSE.* Refunds for withdrawals, academic suspension, and cancelled classes will be available at the Cashier's office starting the ninth week of the semester. They will be mailed if not picked up by the eleventh week of the semester.

The refund schedule is as follows:

<i>Withdrawal Date</i>	<i>Refund Percentage</i>
Withdrawal prior to and first day of class	100%
Second day of class and before end of first 10 percent of enrollment	90%
After first 10 percent of enrollment through the end of first 25 percent of enrollment	50%
After first 25 percent of enrollment through the end of first 50 percent of enrollment	25%
After 50 percent of enrollment	None

Enrollment is defined as the scheduled number of official class days for that semester. Refunds are based on the withdrawal date of the semester's class days, not how many times individual classes have met.

Students attending for the first time who receive assistance under Title IV of the Higher Education Act of 1965 as amended are entitled to a pro-rata refund of that portion of the tuition, fees, room and board, and other charges assessed the student by the institution equal to that portion of the period of enrollment for which the student has been charged that remains on the last day of attendance by the student up to the sixty percent (60%) point (in time) in the period of enrollment.

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

### Summer Term Refunds

Due to the varying lengths of courses offered during the summer, refunds are based upon the individual course length. Due to the multiple lengths of summer term classes, refunds for withdrawals and cancelled classes will be mailed at the end of the semester.

## Dormitory Deposit Refunds

Refunds of the dorm deposit (less damages) will be available four weeks after Financial Services is notified by Student Affairs.

## Returned Check Policy

Students whose checks are returned to the university unpaid by their banks will be notified by Financial Services to pay the amount due. Student checks used for bookstore and other purchases will be assessed a service charge of \$25.00 or 5% of the check, whichever is greater. Student checks used for tuition and fees will be assessed the service charge plus the late registration fee. Checks returned because of bank errors will be redeposited after written notification is received from the bank and a \$25.00 service charge is paid by the student. No late registration fee is assessed for checks returned because of a bank error. Students should request reimbursement of the service charge from their bank. A stop payment of a check does not constitute a formal withdrawal and is considered a returned check. Legal means will be used to collect returned checks. Writing a non-sufficient funds check or stopping payment on a check does not cancel registration. Students whose check is returned for non-sufficient funds or who stop payment on a check must honor the check and pay the service charges before withdrawing from school. After honoring a returned or stop payment check and formally withdrawing in the Division of Student Affairs the student will receive a refund.

## Payments

Credit cards (VISA and MasterCard) may be used to pay tuition for students who participate in advanced registration, registration, or late registration. Make payments at the front desk in the lobby of the Administration Building. Partial payments, i.e., part credit card/part cash or check, are not accepted. The person whose credit card is being used to pay tuition must be present to sign the charge slip.

Cash and check payments are accepted at the cashier's window in the Administration Building. Drop boxes are also available for check payments. Checks sent by mail should be made payable to Armstrong Atlantic State University and addressed to the Financial Services - Tuition Payments, Armstrong Atlantic State University, 11935 Abercorn Street, Savannah, GA 31419. Your check and schedule/bill must be presented with payment, mailed or attached when using the drop boxes. ***The total amount due on the schedule/bill (including encumbrances) must be paid in order for the university to accept payment.*** (Encumbrances are other debts owed by the student to the university.) ***Only full payments will be accepted.*** If you are making a partial payment by check and the rest by cash, you must go to the cashier's line with both check and cash. Students who have financial aid and pay the balance with cash/check must pay their fees at the cashier's table during regular registration. Students who mail their schedule/bill and check to Financial Services cannot be guaranteed enrollment unless their envelope is sent by registered mail and is received by Financial Services by the appropriate deadline. ***Checks submitted with old schedule/bills, without schedule/bills, check amounts less than total fees due, incomplete checks, counter checks, two-party checks, or post-dated checks will be mailed back to the student.*** Do not submit a check that you know will be returned by your bank. Payments for returned checks will be accepted only in cash, cashier's check, or money order. ***The student's social security number should be listed on the check.*** Only checks drawn on U.S. banks will be accepted. Dormitory students can use the drop box procedure for dorm payments by check and should specify as such on their checks.

## Financial Obligations

Any student delinquent in the payment of any financial obligation to the university will have grade reports and transcripts of records held. Grade reports and transcripts will not be released nor will the student be allowed to register at the university until all financial obligations are met. Fees for each semester are to be paid in full at the time of registration.

## Financial Aid Student Payment

Students who have financial aid will have their aid applied directly to the student account. This will be done periodically throughout the semester as student's aid is approved. "Difference" checks (a result of financial aid less tuition and other fees) will be available weekly throughout the semester as financial aid is processed.

Students who do not pre-register or do not complete financial aid paperwork on time will have their "difference" check delayed. *In order to receive a "difference" check as soon as possible, students must advance register and have all financial aid paperwork completed on time.*

To pick up difference checks, students must have a valid photo ID with their social security number. A driver's license or student ID is acceptable. Students whose driver's license number does not match that of their social security number must have a social security card. Difference checks will be mailed if not picked up after two weeks.

Financial aid students who advance register, but whose aid does not exceed fees, should submit the remaining payment on registration day.

Financial aid students who register and do not attend classes will have their aid applied and receive a grade. If their charges exceed aid, they will be billed for the unpaid amount. Financial aid students who register and decide not to attend classes should formally withdraw from school in the Division of Student Affairs.

Students whose financial aid is not completed prior to registration should be prepared to pay fees themselves and be reimbursed later in the semester.

## Brunswick Center Financial Policy

### (AASU Classes Taught at Coastal Georgia Community College)

**Cash Payments:** (not accepted)

### **Check Payments (Personal, Cashier's, or Money Orders):**

Mail to AASU in official envelope along with your bill. Payments must be received by AASU within three working days after registration. Make check payable to AASU, or Armstrong Atlantic State University.

### **Payments by Credit Card:**

Credit cards (VISA or MasterCard) may be used to pay tuition for students who participate in advance registration, registration, or late registration. Partial payments, i.e., part credit card/part cash or check, are not accepted. Call 912-927-5275 or 912-927-5211 for further information.

### **Financial Aid Students:**

If your amount due on your schedule/bill is a negative number, a difference check will be available later at C.G.C.C. Business Office. If you still owe an amount, follow the cash/check/credit card procedure. If your bill is not received by AASU within three working days, your enrollment will not be completed.

**Refund Policy:**

Refund of tuition and fees may be requested only upon written application for withdrawal from school. The withdrawal form should be completed by the Student Affairs office. Contact their office at 912-927-5271. ***NO REFUNDS WILL BE MADE TO STUDENTS DROPPING A COURSE.*** Refunds for withdrawals, academic suspension, and cancelled courses will be mailed starting the ninth week of the semester. Refunds are not made for late registration fees or graduation fees. Refund checks are payable to the student regardless of who paid the fees.

**General Guidelines**

Armstrong/Savannah State Exchange Program. A student enrolled at Armstrong or Savannah State who pays the maximum tuition and fees amount may be eligible to take one course at the other institution at no charge. Consult with the Registrar's office regarding program details and the required documentation before registration.

After the payment of fees, the application of financial aid to fees, or application of support by outside agencies, there are no adjustments for dropping a course.

All tuition and fees are due at registration per the guidelines of the Board of Regents of the University System of Georgia. There are no deferments of fees or payment plans.

Students whose fees were paid by financial aid and who withdraw from school will have their refund returned to the source based upon federal regulations and university policy.

Students who add a class, do not pay the additional fees, and do not officially drop the course, will be billed for the course and will receive a grade.

The university reserves the right to apply all payments or financial aid to any unpaid student balances.

Brunswick Center students should consult with Center staff for specific guidelines and procedures.

Financial aid students who enroll for hours different from their aid-based hours will not receive any difference check until late in the semester.

# Financial Aid

## Governing Principles

The Financial Aid Office is especially concerned with students who need financial assistance to attend Armstrong Atlantic State University. The primary responsibility for financing a college education is the inherent obligation of the student and his/her family. Financial aid is available to supplement the family's contribution and is provided through a combination of sources including scholarships, grants, loans, and part-time employment. Either the Free Application for Federal Student Aid or the Renewal Free Application for Federal Student Aid must be used to help determine the student's eligibility for HOPE Scholarship, PELL Grants, SEOG, and Student Loans. Information used in determining eligibility includes family income, assets, the number of family members, number in college, etc. The university will attempt to assist the student with the difference between the total expected family contribution and the cost of attending college. Any student admitted to, or attending Armstrong Atlantic State University is encouraged to apply for financial aid.

## General Information\*

The Financial Aid Office is committed to providing the quickest and most accurate application method possible. Speed and accuracy are achieved through the electronic processing of applications versus the student mailing the application.

Effective immediately, students can process their own Free Application for Federal Student Aid (FAFSA) via the World Wide Web. The following is needed:

- 1) *Domestic* version of Netscape Navigator 3.0 or higher.
- 2) a printer to print a signature page, which must be mailed to the Federal Department of Education.

The address for sending the FAFSA is:

<http://www.fafsa.ed.gov/>

Students can obtain further information at:

<http://www.ed.gov/offices/OPE/Students>

Computers and printers will be available in the Memorial College Center for students to enter their information and to print out their signature page.

Armstrong's institutional TITLE IV SCHOOL CODE is: **001546** this will be needed on the FAFSA.

Students who do not wish to process their FAFSA's via the world wide web can mail them to the Central Processor in the envelope provided.

The priority deadline for submitting the completed and signed application is March 15, (or 5 months prior to the beginning of any term.)

The federal processor will send a Student Aid Report or an Information Acknowledgment Student Aid Report to the student. It is the student's responsibility to review the information on the Student Aid Report and if items are discovered to be incorrect the Financial Aid Office must be notified immediately. If the Financial Aid Office does not hear otherwise from the student, it will assume that all information is correct. The Financial Aid Office is not responsible for delays caused by data that was either reported inaccurately or if the student does not notify the office of an error. Students who meet the March 15 priority deadline will have ample time to make any corrections necessary to their applications.

NOTE: Students are no longer required to turn in a copy of their Student Aid Report to the Financial Aid Office. The Financial Aid Office will now obtain the results of your application electronically from the Federal Processor, providing AASU is listed on the FAFSA as a college choice.

Student financial aid is most frequently awarded to eligible students on the basis of need or merit. Merit is determined by the entity who is providing the money to be

awarded (i.e., the State of Georgia, Armstrong Atlantic State University, private donors). Need is determined by the Federal Government via the student completing the Free Application for Federal Student Aid. The process involves a government analysis of the data provided by the student's family or, if independent, by the student. This analysis is transmitted to the Financial Aid Office where it is compared with the cost of education for the appropriate classification of student. The formula applied is; Cost of Education minus Expected Family Contribution equals Need (COA - EFC = Need). If the family contribution is less than the cost of education, financial need has been established.

In general, students who apply by the priority deadline (March 15) have greater opportunity to receive a variety of financial assistance than those who apply after the deadline. Due to the fact that certain funds' are limited, the Financial Aid Office will award its yearly allocation of those funds to students who met the priority deadline and demonstrate the greatest need. For this reason, students are encouraged to apply as early in the year as possible.

The Financial Aid Office is interested in helping students find ways to finance their education. The application and awards process, however, is heavily regulated by federal and state law and as a result the process takes time. As many as 30% of Armstrong Atlantic State University students may be selected for a process called verification. The Financial Aid Office does not know who will be selected at the time the student applies for aid. All students should be prepared to supply a signed copy of their 1997 Federal Income Tax Return and a completed Verification Worksheet to the Financial Aid Office. Students who are not considered independent by the Federal government would also need to submit a signed copy of their parents' 1997 Federal Income Tax Return. The Financial Aid Office may also require a variety of other documents before a student can be awarded. Please respond quickly and accurately to any and all requests for documentation from the Financial Aid Office.

Only by meeting the priority deadline of March 15, can students expect to have funds available at the beginning of Fall Semester 1998. Students who do not meet this deadline will be required to pay their own fees for Fall Semester 1998. Please keep in mind that although we are here to help you, we are not responsible for delays caused by inaccurate or incomplete applications and files.

### **Application Information**

An applicant for student financial aid must:

1. Be enrolled or accepted for enrollment at Armstrong Atlantic State University.
2. Complete an Armstrong Application for Financial Aid.
3. Complete and submit a signed FAFSA or Renewal FAFSA to the Central Processor.
4. Other forms as requested by the Financial Aid Office.

Students are eligible to apply for financial assistance provided that they are meeting the requirements pertinent to the program(s) from which assistance is sought; and making satisfactory academic progress. Students who are classified as Transient, Continuing Education, or Exchange are not eligible for financial aid. Students are required to adhere to all regulations and requirements of the program from which they receive assistance and to notify the Financial Aid Office of any changes in status which may affect their eligibility for aid.

**Students must apply for financial assistance every year. Awards are made for only the current year.**

The minimum number of semester hours for which a financial aid recipient may enroll per semester varies from program to program. Some require at least 12 hours per semester (full-time status). Many programs require that the student be enrolled at least half-time, taking 6 or more semester hours (6 hours of graduate level classes, for graduate students).



## Deadlines

- March 15** The priority deadline for FALL Semester for submitting the completed and signed Free Application or Renewal Application to the Central Processor.
- April 15** The deadline for submitting all supporting documentation requested by the Financial Aid Office for FALL Semester.
- August 1** The priority deadline for SPRING Semester for submitting the completed and signed Free Application or Renewal Application to the Central Processor.
- September 1** The deadline for submitting all supporting documentation requested by the Financial Aid Office for SPRING Semester.
- March 1** The priority deadline for SUMMER Semester for submitting the completed and signed Free Application or Renewal Application to the Central Processor.
- April 1** The deadline for submitting all supporting documentation requested by the Financial Aid Office for SUMMER Semester.

**Students who miss these deadlines must be prepared to pay their own fees for the FALL SEMESTER, 1998.**

## Disbursement of Financial Aid

Disbursement of financial aid for preregistered students will begin on registration day each semester. Students who not to preregister will have to wait approximately ten days before difference checks are available. Aid offered on the Award Letter is based on full-time status unless otherwise indicated, and may be adjusted depending on hours taken. **Financial aid will only be disbursed to students who have received, signed, and returned their Award Letter and ALL enclosed documentation to the Financial Aid Office.**

Work study funds are earned on an hourly basis and are only paid for work performed. Funds from this program are not available for registration.

## Types of Aid Available

**GRANTS** - Awards that students are not required to repay.

**Federal Pell Grant:** Open to eligible undergraduates based on need and enrollment status. This grant is awarded based on FULL-TIME enrollment, however if a student enrolls in less than full-time the funds will be reduced according to the number of hours for which the student enrolls.

**Federal Supplemental Educational Opportunity Grant (Federal SEOG):** Open to eligible undergraduate students. Awards based on need and available to students who meet the March 15 deadline. Funds are awarded on the basis of funds availability, on a first-come, first-serve basis.

**Georgia Student Incentive Grant (SIG):** Open to full-time undergraduates who are legal residents of the State of Georgia. Based on need and availability of funds.

## Employment

**Federal College Work Study Program:** This federally sponsored program is awarded based on need and availability. Students are awarded a specific dollar amount, and may earn up to this maximum each quarter.

**Institutional Work Study Program:** Students are selected for this program by the heads of the various departments and approved by Human Resources. Students must be qualified for the available positions.

**\*\*\*Students in either program may not exceed nineteen hours of work per week and regulations allow only one position per student.**

## Scholarship Offerings

There are many scholarships available to entering freshmen, which are awarded on the basis of merit, need or both. These monies will be awarded by a scholarship committee during Spring 1998 for the 1998-1999 academic year. You apply for these and other scholarships using the 1998-1999 Academic Scholarship Application which is available in the Financial Aid Office. The Freshmen Applicant deadline for submitting a scholarship application is February 1, 1998. The deadline for Returning, Transfer, or Graduate students is May 1, 1998.

Some of the scholarships awarded are:

- Alumni Scholarships
- Anthony Porter Scholarship
- Class of '37 Scholarship
- Dixie Crystals Scholarship
- Eleanor Webster Boyd Scholarship
- Pauline Gooch Scholarship
- Nationsbank Scholarship
- Porter Pierpont Rotary Scholarship
- Sarah Mills Hodge Scholarship
- Savannah Jaycees Scholarship
- Savannah Volunteer Guards Scholarship

There are also scholarships which are awarded by various departments on campus, including Art, Music & Theatre, Biology, Chemistry, Physics, & Engineering, Mathematical Sciences, Computer Science, Dental Hygiene, Radiologic Sciences, History and Athletics. Students can contact these departments for application procedures.

In addition, there are scholarships which require special applications or have different deadlines. These become available at various times during the year and are posted on the bulletin board outside the Financial Aid Office. Students should come by periodically during the year to check on any new offerings.

With the approval of the President and consistent with Armstrong's overarching policy of ensuring integrity in the scholarship award process, the University accepts totally private funds donated for scholarships earmarked for certain categories of students. Allocation by AASU of such privately-funded scholarships is undertaken with the express purpose of broadening the award of scholarship aid to embrace students who might otherwise be excluded.

## HOPE (Helping Outstanding Pupils Educationally):

Georgia's program that rewards exemplary academic performance with tuition scholarships at Georgia public colleges.

### General Qualifications for Entering Freshman:

As an entering freshman, a student must meet the following qualifications:

- Be a legal resident of Georgia;
- Be a 1993 or later graduate of an eligible Georgia High School; and
- Earn at least a "B" average (3.0 cumulative grade point average on a 4.0 scale, or 80 numeric grade average, meeting the college preparatory track; if you are in any other curriculum track, you must have a 3.2 cumulative grade point average on a 4.0 scale, or 85 numeric grade average, meeting the curriculum requirements). A student may receive first-year HOPE assistance for the first 45 quarter or 30 semester credit hours attempted at any Georgia public college or university. This includes tuition, HOPE-approved mandatory fees, and a book allowance up to \$100 per quarter. Full-time enrollment is NOT required.

*HOPE funds may be applied only to tuition and mandatory fees NOT covered by PELL or other Federal grants received.* Students may renew their scholarship for the sophomore, junior, and senior years. To do so a student must:

Maintain a 3.0 cumulative grade point average for all course work attempted (not just course work completed);

Reapply for the scholarship by completing the Free Application for Federal Student Aid (FAFSA) or, if applicable, the HOPE Alternate Application; and

Be making satisfactory academic progress.

College hours and grades attempted prior to high school graduation are not used in calculating the cumulative grade point average to renew the HOPE scholarship.

### **Second-Chance Opportunity for Students to Regain HOPE:**

HOPE is a reward for scholastic achievement and an incentive to continue working hard in school. If after attempting 45 quarter or 30 semester hours in a public college a student falls below a 3.0 cumulative grade point average, they may continue their sophomore year at their own expense. If they then earn a 3.0 cumulative grade point average at the completion of their sophomore year (90 quarter or 60 semester ATTEMPTED hours), they will be given a second chance to receive a HOPE Scholarship for their junior year with the opportunity to renew the scholarship for their senior year (135 quarter or 90 semester ATTEMPTED hours).

### **HOPE for Students Already in Public College or Returning to Public College:**

If a student graduated from high school before the HOPE program began in 1993, or if they are not academically eligible for the HOPE scholarship immediately after high school graduation, they may be eligible for the HOPE scholarship after attempting 45 or 90 quarter hours OR 30 or 60 semester hours of study if they have a 3.0 cumulative grade point average and are legal residents of Georgia.

**HOPE Promise Program:** The PROMISE Teacher Scholarship Program provides forgivable loans to high-achieving students who aspire to be teachers in Georgia public schools.

To be eligible, a student must meet the following qualifications:

Must be a legal resident of Georgia;

Must have earned a minimum, cumulative grade-point average of 3.6 based on a 4.0 scale and be academically classified as a junior; and

Be accepted for enrollment into a teacher education program leading to initial certification.

**HOPE Teacher Program:** The HOPE Teacher Scholarship Program provides forgivable loans to individuals seeking advanced education degrees in critical shortage fields of study.

To be eligible, a student must meet the following qualifications:

Must be a legal resident of Georgia; and

Be admitted for regular admission into graduate school and into an advanced degree teacher education program leading to initial certification in a critical field.

More information on the eligible fields is available in the Financial Aid Office.

### **Loan Information:**

**Federal Stafford Loans:** Available in two forms:

**Subsidized:** Need-based. The federal government pays interest as long as the student maintains at least half time enrollment.

**Unsubsidized:** Not need-based. The student is responsible for all interest.

**Annual Maximums:**

**\$2,625:** Freshmen: Students who have not yet completed the first year of a program.

**\$3,500:** Sophomores: Students who have earned 45 quarter or 30 semester hours.

**\$5,500:** Juniors and Seniors: Students who have successfully completed the first 90 quarter or first 60 semester hours of a four-year program.

**Must have declared a major and have been accepted into a Baccalaureate Degree Program.**

**\$8,500:** Graduate Students: Students must be enrolled in 6 credit hours or more of graduate level classes.

**Additional Unsubsidized Stafford Loans:** In addition to the limits listed above, independent students may apply for the following; not to exceed the students cost of attendance, less financial aid.

**\$4,000:** Freshmen & Sophomores

**\$5,000:** Juniors & Seniors

**\$10,000:** Graduate Students

**Hour Requirements:** Undergraduate and Graduate students must be enrolled in 6 or more hours to be eligible to receive a student loan.

### **First Time Borrowers Who Are First Time College Students:**

In accordance with Federal guidelines, the first installment of a Federal Stafford Loan for a student who is entering their first year of college cannot be released until thirty (30) days after the first day of the semester. These funds will not be available to buy books on registration day. Students **MUST** also complete an Entrance Counseling Form.

**Electronic Funds Transfer Processing Time:** Once an electronic funds transfer has been sent to the school from the state of Georgia, there will be a processing time of five to ten business days for the funds to be available for the student at the cashier's window.

**Federal PLUS Loans:** PLUS loans are available to parents of dependent, undergraduate students for an amount not to exceed the student's cost of education, less financial aid. Applications are available at local lending institutions and at the Financial Aid Office.

**Health Career and Critical Field Loans:** (\$2,000 Maximum) Legal residents of the state of Georgia who are formally admitted to and enrolled in the following programs of study may be eligible for service cancellable loans:

- Baccalaureate Degree Nursing
- Radiological Technology
- Dental Hygiene
- Medical Technology
- Special Education
- Respiratory Therapy
- Physical Therapy
- Math & Science Education

All service cancellable loans are repaid by practicing in the specified field in the state of Georgia. One calendar year of service repays each academic year of the loan. Applications are available in the Financial Aid Office each Spring to students in eligible fields with complete financial aid files for the following academic year.

### **Government Benefits**

The Georgia Vocational Rehabilitation Program (Voc Rehab) provides financial assistance for the applicant who possesses an impairment which would prove to be a vocational handicap. Students who think that they may qualify under this program should contact the Vocational Rehabilitation Center at (912) 356-2226. Applicants sponsored by Vocational Rehabilitation on other community agencies must apply at least six weeks before the beginning of any quarter to insure proper processing of applications.

### **Veterans Benefits**

Veteran's educational benefits may be used for study at Armstrong. Contact the Veterans Affairs Representative in the Registrar / Admissions Office for specific instructions on application procedures.

## Standards of Academic Progress

The Higher Education Act mandates that institutions of higher education establish minimum standards of "satisfactory academic progress" for students receiving financial aid. To receive financial aid at Armstrong Atlantic State University, a student must both maintain a satisfactory grade point average and be making satisfactory progress as outlined below. These requirements apply to any grants, loans or scholarships that contain any federal or state funds.

It is the responsibility of the student to read and adhere to Armstrong's policy regarding Standards of Academic Progress. Failure to meet the minimum requirements defined by this policy will result in the student's ineligibility for assistance. Before a student can receive aid from any of these programs for a particular year, they must meet the following requirements:

- (1) **Academic Standing:** Students who have earned 90 quarter or 60 semester hours and do not have a 2.0 Grade Point Average (GPA) are not eligible for financial aid.
- (2) **Progress Toward Degree Completion:** Students must make significant progress toward completion of degree requirements in order to receive aid. Armstrong Atlantic State University requires students to successfully complete at least 67% of attempted course-work for the prior academic year (Fall-Spring). For instance, if a student enrolled in 15 hours in Fall through Spring terms they will be required to complete 30 hours (67% of 45=30). Grades of W, I, F, U, and I are not considered successful course completion.
- (3) **Credit Hour Limit:** Students at Armstrong are given a maximum number of credit hours in which to complete their degrees. Students who exceed this limit are not eligible for aid. The credit hour limit allowed for financial aid purposes is 150% of the total number of hours necessary to be awarded a degree. Credit hours attempted both at Armstrong and elsewhere are counted toward this limit. If the student has attempted 286 quarter hours or 186 semester hours without earning a degree, they will no longer be eligible to receive aid (150% of average degree requirement). This policy has the greatest effect on students who change their majors; therefore, students planning such a change should give careful consideration to the potential impact on their financial aid. Learning Support classes will be counted toward the credit hour limit.

## Reinstatement of Aid

Students whose aid is terminated because they failed to meet the above requirement may appeal (see below) or reapply for aid the following academic year, if they have met the standards for classes taken since the termination of their aid.

## Appeal of Aid Suspension

Students who feel they can demonstrate mitigating circumstances which affected their academic progress may make a written appeal to the Standards of Progress Appeal Committee. Forms for this type of appeal are available in the Financial Aid Office. Students will be notified of the committee's decision approximately two weeks from the date the appeal is submitted.

Appeals may be mailed to:

Armstrong Atlantic State University  
Financial Aid Office  
SOP Appeals Committee  
11935 Abercorn Street  
Savannah, Georgia 31419-1997

If you have any questions, please call our office at (912) 927-5272.

# Academic Policies and Information

## Academic Advisement

Advisement is a required segment of the registration process. All students must be advised prior to registering for courses and may register only for courses that have been approved on a signed advisement form. Students and their advisors are encouraged to determine alternate approved courses and to include them on the advisement form. In the event that one or more of the preferred courses are filled, the student may immediately select an alternate approved course to replace the filled course. The Vice President and Dean of Faculty gives overall direction to the advisement program, with the appropriate department heads coordinating advisement activities within the various departments. Students should refer to the Semester Schedule of Classes for specific advisement instructions.

## Academic Renewal for Returning Students

Students who return to college after an absence of six years or longer may be eligible for Academic Renewal - a policy whereby academic credit for previously completed course work is retained only for courses in which a grade of A, B, C, or S has been earned. Retained grades are not calculated in the Academic Renewal GPA; however, for honors purposes during graduation all course work is considered.

## Academic Standing

The University recognizes four academic categories: Good Standing, Good Standing with Warning, Academic Probation, and Academic Suspension. Students are expected to maintain or exceed the grade point average (GPA) as indicated in the chart below.

Semester Hours Attempted At Armstrong and Elsewhere	Required Overall GPA
0 - 30	1.5
31 - 60	1.7
61 - 90	1.9
over 90	2.0

A student who falls below the overall GPA for the first time is placed on Good Standing with Warning. Failure to raise the overall GPA to the required level during the next semester will result in Academic Probation. Students on Academic Probation are not in Good Standing. If the student's overall GPA is raised to the required level, the student is returned to Good Standing. The second or any subsequent failure to meet the required GPA will result in Academic Suspension.

Students on Academic Probation who fail to achieve the required overall GPA, but who do earn an average of at least 2.0 during the probationary semester, will be continued on Academic Probation for the next semester of attendance. Students on Academic Probation who neither achieve the required overall GPA nor earn at least a 2.0 average during the probationary semester will be placed on Academic Suspension from the University for one semester. A student on Academic Suspension for the first time has the option of attending summer school without having to appeal the suspension. However, a student who fails to make satisfactory progress as a result of summer school will have to appeal for readmission in the fall semester. Other than this one exception (attending summer school without having to appeal the suspension), students must submit a written appeal in order to be considered for readmission.

A student suspended for academic reasons for the first or second time may appeal by letter to the Committee on Academic Standing to be considered for readmission. This letter should state the nature of any extenuating circumstances relating to the academic deficiency and must be delivered to the office of the Dean of Academic and Enrollment Services no later than 9 a.m. of registration day. The Committee on Academic Standing will make a recommendation to the President, and the decision of the President is final.

A student re-entering the University after an Academic Suspension is placed on Academic Probation and must meet the requirements listed above. A third Academic Suspension is final.

## **Armstrong Students Transient Elsewhere**

Armstrong students who wish to take coursework at another college with the intent of applying the courses to their academic record at Armstrong may do so in accordance with regulations for transient status to another college. Students must meet the requirements stipulated by the other college, and, in order to apply the credits toward their academic records at Armstrong, must meet the academic regulations of Armstrong. Consult with the Office of the Registrar for details.

## **Attendance**

The control of student attendance at class meetings and the effect of attendance on the grades in a course are left to the discretion of the instructor. A student is responsible for knowing everything that is announced, discussed, or lectured upon in class as well as for mastering all assigned reading. A student is also responsible for submitting on time all assignments and tests, recitations and unannounced quizzes.

The instructor will be responsible for informing each class at its first meeting what constitutes excessive absence in that particular class. Each student is responsible for knowing the attendance regulation and for complying with it. An instructor may drop a student from any class with a grade of "W" or "WF," as appropriate, if in the instructor's judgment the student's absences have been excessive.

## **Auditing Courses**

During the registration process the student should request to audit. A student may not change from audit to credit status or from credit to audit status after completing the process of registration for a course. A student who audits a course will have a "V" recorded for that course. The regular schedule of fees applies to auditors. No student may audit a course in the Department of Learning Support.

## **Course and Study Load**

The normal course load for full-time students is 12-15 semester hours plus a course in physical education during the freshman and sophomore years. A full-time student is defined as one who is registered for 12 or more hours. A part-time student is one registered for fewer than 12 semester hours. A student should plan about six hours preparation per week for each 3 semester hour course. It is recommended that required Learning Support students limit their course load to 12 semester hours.

## **Classification of Students**

A student who has earned fewer than 30 semester hours will be classified as a freshman; between 30 and 59, inclusive, as a sophomore; between 60 and 89, inclusive, as a junior; and 90 or more as a senior. Students register based on their classification.

## Dropping Courses

A student desiring to drop a course after the semester has begun must obtain a Drop-Add Notice in the Office of the Registrar. The notice must be signed by the instructor of the course being dropped and returned by the student to the Office of the Registrar.

A student who drops a course within the first seven days will receive a grade of "W" for the course. A student who drops a course after the first seven class days and on or before the semester dates listed for mid-term will receive a "W" or a "WF" depending on the status in the course. A student who drops a Learning Support course after the first two weeks will receive a "WF". A student may not drop a course without penalty following the semester dates listed for mid-term. A student is not allowed to drop RGTR 0199, ENGL 1101, 1102, or 2100 at any time unless extenuating circumstances prevail. In order to drop one of these courses, the drop form must be authorized by the Dean of the College of Arts and Sciences or a designated representative.

A Learning Support student who withdraws or is withdrawn from a required Learning Support course will also be dropped from college level credit courses. The student may, however, remain enrolled in other Learning Support courses and, if in another Learning Support course, may also remain in courses carrying fewer than three semester credit hours.

## English and Mathematics Placement

During the initial terms of enrollment at Armstrong Atlantic State University, students must enroll in the appropriate sequence of English composition courses until the sequence has been completed and/or the Regents' Test has been passed. Students must not delay this sequence beyond their second semester of attendance. For assistance in identifying the appropriate English composition courses, students should consult advisors in the departments of their declared majors, the Office of Admissions, or the Department of Languages, Literature, and Philosophy. See Department of Languages, Literature, and Philosophy for further information.

## Grade Appeals

Appeals for a change of grade may be initiated through the head of the appropriate academic department prior to midterm of the semester after the grade was received, in accordance with the *Regulations* of Armstrong Atlantic State University. Without the approval of the Academic Standing Committee, no change of grade, other than incomplete, may be made later than two calendar semesters following the semester in which the grade was received.

A student who contests a grade will have the following line of appeal:

1. The student will discuss the contested grade with the instructor involved.
2. If the grade dispute remains unresolved, the student will meet with the department head and the instructor. If the grade dispute is with the department head, the student will meet with the dean of the school and the department head. A "memorandum for the record" will be prepared by the department head (or dean) which will include the substance of the conversations during the meeting. The student will receive a copy upon request.
3. If the grade dispute remains unresolved, the student will present his or her appeal in writing to the department head or the dean of the school, as applicable, who will then appoint a review board to hear the appeal. It is expected that the student will initiate this step no later than midterm of the semester after the grade was received (except if the student plans enrollment in a course for which the course grade being appealed is a prerequisite—see "4" below).
  - a. The review board will consist of the department head or the dean of the school, as applicable, and two members of the department, not including the instructor involved. A separate hearing officer shall be appointed by the school dean. In small departments, membership may come from outside the department.



- b. The review board shall hear statements from both the student and the instructor involved and will examine documents that are pertinent to the matter under review.
- c. The review board will hear the grade appeal and present its findings to the school dean prior to the last week of the semester.
4. If the student plans enrollment in a course for which the course grade being appealed is a prerequisite, then the following timetable will be met at the first of that semester:
  - a. If a grade appeal is not resolved with the instructor concerned, the student will file an appeal in writing with the department head (or the dean of the school if the grade dispute is with the department head). This step will be taken by the second day of the semester.
  - b. The review board to hear the appeal will be appointed by the third day of the semester. If department members are not available to form a review board, the dean of the school, in consultation with the department head, will appoint a review board.
  - c. A review board will hear and complete the grade appeal by the fifth day of the semester and present its findings to the school dean through the hearing officer (or the Vice President if the dean is a member of the committee).
  - d. If the appeal to the school dean is denied, the student will be dropped from the course if the student is already enrolled.
5. If the school dean denies the appeal, the student may continue the appeal to the Vice President and Dean of Faculty. This appeal must be in writing and must be filed within five days of notification from the school dean.
6. Neither the President nor the Board of Regents will accept or consider appeals based on academic grades.

## Grading System and GPA Calculation

Grade	Quality Points per Semester Hour
A (Excellent) .....	4.0
B (Good) .....	3.0
C (Satisfactory) .....	2.0
D (Passing) .....	1.0
F (Failure) .....	0.0
W (Withdrew, no penalty) .....	0.0
WF (Withdrew, failing) .....	0.0
I (Incomplete) .....	0.0
IP (In Progress) .....	0.0
S (Satisfactory) .....	0.0
U (Unsatisfactory) .....	0.0
V (Audit, no credit) .....	0.0
K (Credit by Examination) .....	0.0
NR (Grade Not Reported) .....	0.0

### Grade Symbols

- # - Optional Provision (Forgiveness Policy)  
Course grade not counted in computation of grade point average. Hours earned for grades of A,B,C and S.
- %- Learning Support Grade Symbol Course grade not counted in computation of Grade Point Average or hours earned
- \* - College Preparatory Curriculum Course grade counted in computation of Grade Point Average, but not in earned hours

## Course Repeat Symbols

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

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

An "I" which has not been removed by the midterm date of the succeeding semester is changed to an "F" unless the instructor recommends an extension in writing addressed to the appropriate Dean. The "S" and "U" symbols may be utilized for completion of degree requirements other than academic course work (such as student teaching, clinical practice, etc.). A "WF" (Withdrew, Failing) is recorded for any student withdrawing after the mid-term date. Grades received in Learning Support courses are not computed in the GPA. Exceptions to this policy must be approved by the Dean of the School in which the course is taught and will be approved only on the basis of hardship.

## Grade Point Average (GPA) Calculation

There are three Academic Grade Point Averages (GPA) displayed on students' transcripts.

**Institutional GPA:** is determined by dividing the total honor points earned by the total hours attempted on all course work taken at Armstrong only.

**Transfer GPA:** is determined by dividing the total honor points earned by the total hours attempted on all transfer coursework taken at other institutions.

**Overall GPA:** is determined by dividing the total honor points earned by the total hours attempted on all course work taken at Armstrong and elsewhere.

## Honors

**Dean's List:** Students enrolled for at least nine semester hours of course work who earn a grade point average of at least 3.6 will be placed on the Dean's List. Only course work taken at Armstrong will be used in the computation of Dean's List honors.

**Cum Laude:** Those students graduating with a grade point average of 3.2 through 3.499 will graduate *cum laude*.

**Magna Cum Laude:** Those students graduating with a grade point average of 3.5 through 3.799 will graduate *magna cum laude*.

**Summa Cum Laude:** Those students graduating with a grade point average of 3.8 through 4.0 will graduate *summa cum laude*.

All work attempted at Armstrong and other accredited institutions will be considered in computing honors for graduation. Academic honors will not be awarded to second degree recipients unless the student specifically requests an "award evaluation." For students who are granted Academic Renewal, all course work is considered for honors.

## Overloads and Courses at Other Colleges

Permission to enroll for more than 17 semester hours will be granted by the Registrar if a student:

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

No student will be allowed to register for more than 21 semester hours. A student who is on academic probation will not be permitted to register for more than 17 semester hours. Exceptions to these limitations may be made only by the appropriate dean.

A student enrolled at Armstrong who at the same time takes courses for credit at another college may not transfer such credit to Armstrong, unless written permission from the appropriate dean has been obtained.

## Withdrawing from the University

Withdrawing from the University is “dropping all courses for the current enrollment period”. Any student who finds it necessary to withdraw should begin the withdrawal process in the Division of Student Affairs. Formal withdrawal from the University is required to ensure that the student is eligible to return to Armstrong at a future date. Any refund to which a student is entitled will be considered on the basis of the date which appears on the formal withdrawal form. Grading procedures for withdrawing are the same as those listed for dropping a course.

## Withdrawal - Involuntary

A student may be administratively withdrawn from the University when in the judgment for the Vice President for Student Affairs and the University physician, if any, and after consultation with the student’s parents and personal physician, if any, it is determined that the student suffers from a physical, mental, emotional or psychological health condition which: (a) poses a significant danger or threat of physical harm to the student or to the person or property of others or (b) causes the student to interfere with the rights of other members of the University community or with the exercise of any proper activities or functions of the University or its personnel or causes the student to be unable to meet institutional requirements for admission and continued enrollment, as defined in the student conduct code and other publications of the University.

Except in emergency situations, a student shall, upon request, be accorded an appropriate hearing prior to a final decision concerning his or her continued enrollment at the University.

## Honors Program

The Honors Program is designed to challenge and reward students of high academic ability and motivation with special intellectual, cultural, and social opportunities. Its courses are intellectually challenging and offer a breadth of perspective and depth of understanding. Beyond the classroom, the program also aims to create an atmosphere that encourages students to fully develop their interests and abilities and provides them with an edge in their future goals.

The program consists of two parts:

- a) Honors in the Core: Honors students complete the Honors in the Core requirement by earning a “B” or better in four of the following courses:
  - HIST 1112H (Honors Civilization II)
  - ENGL 1102H (Honors Composition II)
  - ENGL 2100H (Honors Literature)
  - MATH 1161 (Calculus I) or MATH 2072 (Calculus II)
  - PSYC 1101H (Honors General Psychology)
  - CHEM 1212H (Honors Principles of Chemistry II)
- b) Honors in the Major: Honors students complete the Honors in the Major component by satisfying the requirements specified by the major area and approved by the Honors Committee. These requirements may include a specific course or an independently designed research project, paper, or performance.

## Admission to the Program

### Entering Students

Entering students may apply to the Honors Program if they score 1100 on the SAT and graduate with 3.2 GPA on a 4.0 scale. Students scoring 3 or better on each of three Advanced Placement examinations of the College Board are also eligible to apply.

### **Continuing Students**

Continuing students may apply to enter the Honors Program if they have at least a 3.2 overall GPA in university coursework and are either enrolled in or have completed an honors course. Honors courses in the core are open to all students who meet the published prerequisites.

### **Graduation with Honors**

Students will Graduate with Honors by completing the Honors in the Core component and the Honors in the Major component, and graduating with a 3.2 GPA. The achievement will be noted in student's graduation regalia, on the diploma, and in the college transcript. Honors Program graduates will also receive one of the traditional Latin honors.

### **Scholarships**

A limited number of scholarships are available for qualified students who meet and maintain high standards of academic performance. Participation in the Honors Program will be considered a positive factor in the evaluation of scholarship awards.

### **Extracurricular Activities**

The Honors Program hosts luncheons, field trips, and other social events each term designed to help participants plan their program of study, to allow participants to meet faculty teaching Honors classes, to recognize outstanding student achievements, and to plan group participation in social and cultural activities. Additional benefits include early preregistration privileges, Honors housing, and the Honors Classroom and Lounge in Gamble Hall.

Contact: For more information and an application form, please contact the Coordinator of the Honors Program, Dr. Mark Finlay, (912) 921-5642, (fax) (912) 921-5581, or [mark\\_finlay@mailgate.armstrong.edu](mailto:mark_finlay@mailgate.armstrong.edu)

### **Honor Code**

The Honor Code at Armstrong Atlantic State University is dedicated to the proposition that the protection of the grading system is in the interest of the student community. The Student Court is an institutional means to assure that the student community shall have primary disposition of infractions of the Honor Code and that students accused of such infractions shall enjoy those procedural guarantees traditionally considered essential to fair and impartial hearing, the foremost of which is the presumption of innocence until guilt is established beyond a reasonable doubt.

#### **I. Responsibilities of Students:**

All students must agree to abide by the rules of the Honor Code. A student shall not be accepted at Armstrong Atlantic State University unless he or she signs a statement affirming his understanding of this agreement. The Honor Code shall be printed in the official bulletin and *Students Illustrated*.

It will be the responsibility of the Student Court or its designated representative to conduct an orientation program at the beginning of each semester for all new students to explain fully the Honor Code and to allow full discussion of its requirements.

Any student desiring assistance with any matter related to the Honor Code is invited to seek assistance in the Division of Student Affairs.

#### **II. Violations of the Honor Code:**

Violations of the Honor Code may be of two kinds: (a) general and (b) those related to the peculiarities of specific course-related problems and to the understanding of individual instructors. Any instructor whose conception of cheating would tend to

enlarge or contract the general regulations defining cheating must explicitly notify the affected students of the qualifications to the general regulations which he or she wishes to stipulate. The following will be considered general violations of the Honor Code.

1. Giving or receiving any unauthorized help on any assignment, test or paper. The meaning of unauthorized help shall be made clear by the instructor of each class.
2. Stealing when related to cheating.
3. Plagiarizing. *Plagiarism* is the unacknowledged use of another's words or ideas. Students must be familiar with the explanation of plagiarism given in the writing handbook used in freshman composition classes. Ignorance of what constitutes plagiarism will not be accepted as an excuse for plagiarism.
4. Giving perjured testimony before the Student Court.
5. Suborning, attempting to suborn, or intimidating witnesses.
6. Failing to report a suspected violation of the Honor Code.

### III. Reporting Violations of the Honor Code:

Anyone wishing to report a violation may come to the Division of Student Affairs for assistance in contacting members of the Student Court.

- A. Self-reporting: Students who have broken the Honor Code should report themselves to a member of the Student Court.
- B. Anyone (faculty member or student) who is aware of a violation of the Honor Code must report the matter.
  1. Tell persons thought to be guilty to report themselves to a member of the Student Court no later than the end of the next school day. After this designated time, the person who is aware of the violation must inform a member of the Student Court so that the Student Court may contact the accused persons if they have not already reported themselves.
  2. Report the suspected violation directly to a member of the Student Court without informing the accused.

### IV. The Procedural Rights of the Students Accused of Violations of the Honor Code:

The essence of the procedural rights of the accused is the right to be presumed innocent until proven guilty. Specific rights are as follows:

1. The accused will be notified in writing by the Student Court or its designated representative of the nature and details of the offense with which they are charged, along with the names of their accusers and the principal witnesses to be brought against them. This notification shall occur no less than three days prior to the date of the hearing.
2. The accused has the right to counsel of their own choosing. Such counsel will not participate directly in the proceedings except to advise the client. It is expected that such counsel will be drawn from the University community.
3. The accused and the person bringing the charges shall be afforded an opportunity to present witnesses and documentary or other evidence. The accused and any individual bringing the charges shall have the right to cross examine all witnesses and may, where the witnesses cannot appear because of illness or other cause acceptable to the Court, present the sworn statement of the witnesses. The Court shall not be bound by formal rules governing the presentation of evidence, and it may consider any evidence presented which is of probative value in the case.
4. The accused may not be made to bear witness against themselves. The Court may not take the refusal of the accused to testify as evidence of guilt, but this proviso does not give the accused immunity from a hearing or from recommendations reached in a hearing simply because the accused does not testify.
5. The accused shall have access to a complete audiotape of the hearing and to the record prepared by the Secretary.
6. The substantive facts of a case may be re-opened for consideration upon initiation of the accused acting through normal appeal channels. The accused shall not be put in double jeopardy.

7. All witnesses will be sequestered from the hearing room during the course of a hearing. Witnesses may not discuss a pending case.
8. By prior agreement, the accused will be allowed such observers of the hearing as may be commensurate with the space available. Otherwise, in the interests of the right of privacy of the accused, hearings will be private, except that the University may also have observers additional to the advisors to the Student Court.

**V. The Student Conduct Committee, the Student Court and Advisors to the Student Court:**

**A. Student Conduct Committee**

1. The Student Conduct Committee shall be responsible to the faculty for recommending policies relating to the Academic Honor Code and the Code of Conduct, for formulating or approving rules, enforcement procedures, and sanctions within the framework of existing policies, and for recommending changes in the administration of any aspects of the Honor Code and the Student Code of Conduct. The Conduct Committee will also interview and select members for the Student Court.
2. The Committee shall consist of five teaching faculty members, the Vice President for Student Affairs and four students. The four students will be the President and Vice President of the Student Court, the President of the Student Government Association, and one student-at-large. The faculty members shall be appointed by the faculty in accordance with the faculty statutes.
3. The Vice President of Student Affairs shall assist the Conduct Committee in the development of policy and in the discharge of its responsibilities. He or she shall coordinate the activities of all officials, committees, student groups, and tribunals for student conduct.
4. All regulations or rules relating to student conduct that are proposed by any University official, committee or student group, and for which sanctions may be imposed in the name of the University, must be submitted to the Committee for consideration and review prior to submission to the faculty and the student body. The Committee shall have 10 days in which to review the same.

**B. Student Court**

1. The Student Court will be selected by the Student Conduct Committee and will be composed of twelve students. Due consideration will be given to equitable apportionment of court members on the basis of academic class, race, and sex. Students on academic probation may not serve. All appointments will be issued and accepted in writing. Appointments will be made during Spring Semester in time for newly elected members of the Court to assume their duties by May 1. Appointments will be made as needed to keep the Student Court staffed to do business on a reasonably prompt basis. These appointments may constitute permanent or temporary replacements as the Student Conduct Committee deems necessary.
2. The Student Court will elect a President, Vice President, and a Secretary from its membership. The President will preside at all meetings. The Vice President will assume the duties of the President if the President is absent. The Secretary will maintain written notes of all proceedings and audiotape records of all testimony, and will maintain exhibits of evidence which by their nature may reasonably be maintained in the Court files. A quorum of the Court shall consist of seven members. A two-thirds majority secret ballot vote is required to reach a finding of guilty. All other questions may be decided by a simple majority vote.
3. Constituency of the Student Court during the Summer Semester shall include all appointed members in attendance, and others shall be appointed to membership by the Student Conduct Committee.

4. Student Court members shall examine their consciences carefully to determine whether they can in good conscience serve on a panel hearing a particular case, and in the event that there is any doubt whatsoever, such members shall excuse themselves from duty on the specific panel in question.

C. Advisors to the Court

1. An advisor and an associate advisor to the Student Court shall be appointed by the President of the University.
2. Ordinarily the advisor will serve in that office for one year only and usually will be succeeded in that position by the associate advisor. Therefore, after the initial appointments, only an associate advisor will ordinarily be appointed each year. The succession of an associate to the advisor position is deemed to occur on the last day of Spring Semester. If, for any reason, the advisor is unable to complete his or her term, the associate advisor shall succeed to the office of advisor and another associate advisor shall be appointed by the above procedures. If, during the Summer Semester, neither advisor is on campus, a temporary advisor will be appointed.
3. Duties of the advisor and the associate advisor: It shall be the duty of the advisor to consult with the Court and to offer advice to the President and members of the Court on substantive and procedural questions. The advisor, or the associate advisor in the event the advisor is unable to attend, shall be present at all meetings and hearings of the Court. The advisor may not vote or participate directly in the conduct of hearings before the Court except through the chair, or acting chair, of the Court. The advisor should be governed at all times by the principle that a hearing before the Student Court is primarily a matter of student responsibility.

**VI. Procedures and Penalties Adopted by the Student Court.**

The Student Court shall formulate its own bylaws governing internal organization and procedure. Such bylaws must be consistent with the Honor Code.

- A. Hearings shall be called by the Court President to be held on a date not less than three nor more than ten class days after notice to the accused as provided in Section IV-2. Exceptions to these time requirements may be granted.
- B. Upon reaching a finding of guilty, the Court shall make a recommendation to the Vice President of the University as to the administrative action it deems appropriate within the following limitations:
  1. A minimum penalty shall be loss of assignment or test credit for the assignment or test for violations involving cheating as specified in Section II, subsections 1, 2, and 3.  
Additional penalties such as reprimands, suspension, or others may be recommended for any aspects of Section II.
  2. Maximum penalty for a first offense of any type shall be suspension for a full calendar year.
  3. Maximum penalty for a second offense may be suspension for three years.
- C. Immediately following a hearing, the accused will be informed of the Court's finding and its recommendation to the Vice President and Dean of Faculty. If the finding is guilty, the accused will be informed that the Court may reopen the case with the consent of the accused for good cause, within a three week period.
- D. The Vice President and Dean of Faculty will inform all involved persons in writing of the action taken in view of the Court recommendation. The Court Secretary will post public notice of the Vice President's action by case number without identifying the accused.

**VII. Appeals of Findings and Penalties:**

Should students have cause to question the findings of the Court or the action of the Vice President of the University or both, they have the right to appeal. The channels of appeal are as follows:

A. Court findings and/or the administrative action of the Vice President of the University may be appealed within five days by writing the President of the University. Further appeal procedures will conform to the appeal procedures of the University and of the *Policies of the Board of Regents*, University System of Georgia.

### **VIII. Supervision of the Student Court:**

As an institutional means of responding to reported infractions of the Honor Code, the Student Court is ultimately responsible to the President of the University.

Supervision of the Student Court will be accomplished ordinarily through the Vice President for Student Affairs and the Advisors.

In accordance with Article VI, Section F, of the University Statutes, the Vice President for Student Affairs will provide general supervision of the Student Court and will provide other guidance or services as directed by the President of the University.

**IX. Revision of the Honor Code will require confirmation by the majority vote of those faculty and student body members voting.**

## **General Degree Requirements**

Each student is responsible for fulfilling the requirements of the degree program chosen in accordance with the regulations of the University catalog.

### **Application for Graduation**

Before a degree will be conferred, students must pay all fees and must submit to the cashier a completed **Application for Graduation** *two semesters before graduation*. A candidate for a degree, unless excused in writing by the President, Vice President and Dean of Faculty, Vice President for Student Affairs, or Dean of Academic and Enrollment Services, must attend the graduation exercises at which a degree is to be conferred.

### **Catalog in Effect**

A student will normally graduate under the catalog in effect at the time of admission to the University. However, it is recommended that students meet with their academic advisors due to a number of issues (including semester conversion). In the School of Health Professions, a student will graduate under the catalog in effect at the time of admission or readmission (whichever is more current) to a particular Health Professions program. In the College of Education, a student will graduate under the catalog in effect at the time of admission to the teacher education program. Armstrong Atlantic State University, however, 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. All new and readmitted students must follow semester requirements.

**Course Requirement Exception** Exceptions to course requirements for a degree are permitted only with the written approval of the appropriate dean, upon the recommendation of the department or division head. However, all exceptions to the core curriculum requirements must have the approval of the Vice President and Dean of Faculty.

### **Credit Hour Requirements**

To qualify for the baccalaureate degree, a student must earn at Armstrong at least 30 semester hours of credit applicable toward the degree. Additionally, the student must complete successfully at Armstrong at least half of the upper division credits required in the major field of study. For students in teacher education programs, the major field of study is the teaching field. For the Associate Degree, the student must complete at least



30 semester hours of course work at Armstrong Atlantic State University. Armstrong students enrolled in the cooperative degree programs with Savannah State College of Business Education may be exempted from these requirements by a recommendation of the Dean of the College of Education, concurrence by the Education Curriculum Committee and approval of the Committee on Academic Standing.

### **Double Major**

Students wishing to receive a double major must satisfy major requirements of both disciplines including all residency and institutional requirements for each major. Only one major will appear on the diploma. Both majors will be designated on the transcript.

### **Exit Exam**

All students must take an exit examination in their major field and a general education exit examination.

### **History and Constitution/Requirements**

By state law, each student who receives a diploma or certificate from a school supported by the State of Georgia must demonstrate proficiency in United States History and Constitution and in Georgia History and Constitution. See Section on State Requirement in History and Government.

### **Maximum Hours by Correspondence, Extension, or Examination**

Not more than one-fourth of the academic course work counted toward a degree may consist of courses taken by correspondence, extension, or examination. No correspondence courses may be used to meet the requirements in the major field or related fields for the bachelor's degree or in English composition or foreign language. No correspondence courses may be taken while a student is enrolled, without prior approval of the appropriate dean and the head of the department in which the student is majoring.

### **Minimum Grade Point Average**

The student must earn a GPA of 2.0 or better in each of the following:

- A. All academic course work at Armstrong
- B. Overall (all course work attempted excluding repeats)
- C. All courses in the major field.

Some degrees have a higher GPA requirement. Check your program of study for complete details.

### **Minors**

Armstrong offers minor/concentrations in a number of academic areas. To earn a minor/concentration a student must complete all upper division requirements at Armstrong.

### **Physical Education Requirements**

All students who are enrolled in degree programs must adhere to the Armstrong Atlantic State University physical education requirements.

### **Regents' Test**

All students must successfully complete the Regents' Test (please see Regents' Testing requirements in General Academic Policies for details). Candidates for a second baccalaureate degree are exempted from the Regents' Test requirement.

### **Repeating Course**

When a course is repeated, only the last grade earned counts in earned hours requirements, GPA hours, points and overall GPA. All course work taken remains on a student's academic record. A student may repeat any course. However, the grade earned

*As the minor*

in the last attempt will determine the number of quality points assigned for calculation of GPA.

*Course Repeat Symbols:*

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

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

## Second Baccalaureate Degree

A candidate for a second baccalaureate degree from Armstrong Atlantic State University must earn a minimum of 30 additional credit hours and meet all requirements for the degree. The final GPA for the second baccalaureate degree will be based only on courses taken after completion of the first baccalaureate degree (whether courses were earned at Armstrong or at another institution).

## General Education Outcomes

General education outcomes define the intellectual experience that Armstrong Atlantic State University students complete prior to graduation, regardless of their specific degrees or their career choices. These outcomes emphasize the central body of knowledge and skills that define a "college-educated" person and are grounded in the arts, humanities, mathematics, social and natural sciences. They foster a knowledgeable, curious, critical, and reflective frame of mind in every graduate. The Armstrong Atlantic State University general education outcomes encourage the broad enhancement of each person's capabilities and promote the development of skills in communication, problem solving, and lifelong learning needed for individual growth and social improvement. All students must take an exit examination covering those general education outcomes prior to graduation.

The following general education outcomes include elements from both the University core and individual majors:

- A. Demonstrate computer literacy.
- B. Demonstrate effective oral and written communication.
- C. Demonstrate the effective use of traditional and modern sources of information.
- D. Develop an understanding and appreciation of literature and the arts.
- E. Examine the foundations of human values in relation to their moral and ethical implications for self and society.
- F. Exhibit knowledge of the history and politics that have shaped diverse societies and cultures.
- G. Exhibit a basic understanding of the sciences and their applications.
- H. Exhibit critical thinking skills and apply problem solving in a variety of situations.
- I. Apply mathematical principles and reasoning across disciplines.
- J. Understand the foundations of physical fitness and health.

## University Core Curriculum

The semester core curriculum at Armstrong Atlantic State University is required of all baccalaureate students. The core recognizes three broad categories of students: non-science majors, science majors, and clinical health majors. Major specific courses are in Area F of the core and are different for each major. The majors in each classification are as follows:

### Non-science majors

Art	English	Music
Criminal Justice	General Studies	Political Science
Drama/Speech	Health Science	Psychology
Economics	History	Spanish
Education		

**Science majors**

Applied Physics  
Biology  
Chemistry

Computer Science  
Mathematics

Physical Therapy  
RETP (pre-engineering)

**Clinical Health Majors**

Dental Hygiene  
Medical Technology

Nursing  
Respiratory Therapy

Radiological Technologies

**Core Curriculum Notes:**

- Precalculus is required for majors in applied physics, biology, chemistry, computer science, mathematics, and physical therapy.
- Calculus is required for RETP students.
- For non-science majors, the two science courses do not have to be in sequence, and one of the science courses may be a non-lab course.
- Science majors must take a lab science and a specified math course; statistics is required for biology and physical therapy majors; calculus I is required for majors in applied physics; chemistry, computer science, and mathematics; calculus II is required for RETP.
- Clinical health majors must take a chemistry or physics sequence; the third course must be statistics.
- If an undeclared major is contemplating a science or clinical health major, it is recommended for the student to take the Area D for that science or clinical health major.
- The legislative History/Constitution requirement can be met by a single course (HIST/POLS 1100).
- A course may only be used one time to satisfy a degree requirement in a student's program of study.

**Core Area A:****Essential Skills****9 hours**

ENGL 1101 - Composition and Rhetoric .....	3 hours
ENGL 1102 - Composition and Literature .....	3 hours
One course selected from	
MATH 1111 - College Algebra .....	3 hours
or	
MATH 1113 - Pre-calculus Mathematics	
<i>Required for Applied Physics, Biology, Chemistry,</i>	
<i>Computer Science, Health and Physical Therapy majors or</i>	
or	
MATH 1161 - Calculus I .....	4 hours
<i>Required for RETP students</i>	

**Core Area B:****Institutional Options****4-5 hours**

<b>Ethics &amp; Values</b> .....	2-3 hours
One course selected from:	
CHEM 2600 - Ethical Theories and Moral Issues in the Sciences	
ETHC 2000 - Interdisciplinary Ethics	
PHIL 2251 - Introduction to Ethics and Contemporary Moral Philosophy	
PHIL/POLS 2390 - Human Values and Public Problems	
POLS 1200 - Ethical Theories and Moral Issues in Government	

<b>Global Perspectives</b> .....	2-3 hours
One course selected from:	
POLS 1150 - World Politics	
CRJU 2010 - Universal Justice	
PUBL/POLS 2250 - International Organizations	
GEOG 1100 - World Regional Geography	
HIST 1111 - Civilization I	
HIST 1112 - Civilization II	
ANTH 1150 - Global Perspectives in Anthropology: Peoples of the World	
ECON 1150 - Global Economic Problems	
CHEM 2200 - Science, Technology and the Modern World	
ENGL 2205 - Africa and the Diaspora	

### Core Area C:

#### Humanities & Fine Arts 6 hours

<b>Literature or Philosophy</b> .....	3 hours
One course selected from:	
ENGL 2100 - Literature and Humanities	
PHIL 2201 - Introduction to Philosophy	
PHIL 2251 - Introduction to Ethics and Contemporary Moral Philosophy	
<b>Art, Music or Theatre</b> .....	3 hours
One course selected from the following:	
ARAP 1100 - Art Appreciation	
AART/MUSI 1270 World Art and Music	
ARHS 2710 - Art History I	
ARHS 2720 - Art History II	
MUSC 1100 - Music Appreciation	
THEA 1100 - Theatre Appreciation	
THEA 1200 - Introduction to Theatre	
THEA 2410 - Oral Interpretation	

### Core Area D:

#### Math, Science & Technology 10-11 hours

<b>Option 1. Non-Science Majors:</b>	
One lab science course selected from the following: .....	4 hours
BIOL 1107 - Principles of Biology I	
CHEM 1151/1151L - Survey of Chemistry I	
CHEM 1211/1211L - Principles of Chemistry I	
PHYS 1111/1111L - Introductory Physics I	
PHYS 2211- 2211L - Principles of Physics I	
PHSC 1211/1211L - Physical Environment	
PHSC 1212/1212L - Chemical Environment	
One science course selected from the following: .....	3-4 hours
BIOL 1107 - Principles of Biology I	
BIOL 1108 - Survey of the Animal Kingdom	
BIOL 1120 - The Diversity of Life	
BIOL 1121- Human Biology	
BIOL 1122 - Environmental Biology	
CHEM 1211/1211L - Principles of Chemistry I	
CHEM 1212/1212L - Principles of Chemistry II	
PHYS 1111/1111L - Physics I	
PHYS 1112/1112L - Physics II	
PHYS 2211/2211L - Principles of Physics I	

- PHYS 2212/2212L - Principles of Physics II
- PHSC 1211/1211L - Physical Environment
- PHSC 1212/1212L - Chemical Environment
- SCIE 1000 - Introduction to Scientific Inquiry
- ASTR 1010 - Astronomy of the Solar System
- GEOL 2010 - Introduction to Physical Geology

One course in math, science, or technology chosen from the following: ..... 3 hours

- BIOL 1107 - Principles of Biology I
- BIOL 1108 - Survey of the Animal Kingdom
- BIOL 1120 - The Diversity of Life
- BIOL 1121 - Human Biology
- BIOL 1122 - Environmental Biology
- CHEM 1211/1211L - Principles of Chemistry I
- CHEM 1212/1212L - Principles of Chemistry II
- PHYS 1111/1111L - Physics I
- PHYS 1112/1112L - Introductory Physics II
- PHYS 2211/2211L - Principles of Physics I
- PHYS 2212/2212L - Principles of Physics II
- PHSC 1211/1211L - Physical Environment
- PHSC 1212/1212L - Chemical Environment
- SCIE 1000 - Introduction to Scientific Inquiry
- ASTR 1010 - Astronomy of the Solar System
- GEOL 2010 - Introduction to Physical Geology
- MATH 1113 - Precalculus Mathematics
- MATH 1161 - Calculus I
- MATH 1950 - Applied Mathematics for Non-science Majors
- MATH 2220 - Elementary Statistics
- MATH/CSCI 2252 - Computational Methods in Statistics
- MATH 2900 - The Spirit and Structure of Mathematics
- CSCI 1301 - Introduction to Programming Principles

**Option 2**

**A. Science Majors:**

- A laboratory science sequence ..... 8 hours
  - BIOL 1107 - Principles of Biology I
  - BIOL 1108 - Survey of the Animal Kingdom
  - CHEM 1211/1212 (and labs) - Principles of Chemistry I/II
  - PHYS 1111/1112 (and labs) - Introductory Physics I/II
  - PHYS 2211/2212 (and labs) - Principles of Physics I/II

One course in math, science, or technology ..... 3 hours

- MATH 1161 - Calculus I  
*Required for Applied Physics, Chemistry, Computer Science, and Math majors*
- MATH 2072 - Calculus II  
*Required for RETP students*
- MATH 2220 - Elementary Statistics  
*Required for Biology and Physical Therapy majors*

**B. Clinical Health Majors:**

- A chemistry or physics sequence ..... 8 hours
  - CHEM 1151/1152 (and labs) - Survey of Chemistry I/II
  - CHEM 1211/1212 (and labs) -Principles of Chemistry I/II
  - PHYS 1111/1112 (and labs) - Introductory Physics I/II
  - PHYS 2171/2172 (and labs) -Principles of Physics I/II
- MATH 2220 - Elementary Statistics ..... 3 hours

**Area E:**

<b>Social Sciences</b> .....	<b>12 hours</b>
<b>World Civilization</b>	
One course selected from: .....	3 hours
HIST 1111 - Civilization I	
HIST 1112 - Civilization II	
<b>American and Georgia History and Government</b> .....	<b>3 hours</b>
HIST/POLS 1100 - Political History of Georgia	
<b>Social Sciences</b>	
One course selected from: .....	3 hours
ANTH 1102 - Introduction of Anthropology	
ECON 2105 - Principles of Macroeconomics	
ECON 2106 - Principles of Microeconomics	
PSYC 1101 - General Psychology	
SOC 1101 - Introductory Sociology	
<b>Social Sciences</b>	
One course selected from: .....	3 hours
ANTH 1102 - Introduction to Anthropology	
ECON 2105 - Principles of Macroeconomics	
ECON 2106 - Principles of Microeconomics	
PSYC 1101 - General Psychology -	
SOC 1101 - Introductory Sociology	
HIST 1111 - Civilization I	
HIST 1112 - Civilization II	
HIST 2111 - History of America to 1877	
HIST 2112 - History of America since 1865	
POLS 2100 - Introduction to Political Science	

**Area F:**

<b>Courses suitable to the major</b> .....	<b>18 hours</b>
<b>Physical Education</b> .....	<b>3 hours</b>

**Regents' Testing Program**

Each institution of the University System of Georgia shall assure the other institutions, and the System as a whole, that students obtaining a degree from that institution possess certain minimum skills of reading and writing. The Regents' Testing Program has been developed to help in the attainment of this goal. The objectives of the Testing Program are: (1) to provide system wide information on the status of student competence in the areas of reading and writing; and (2) to provide a uniform means of identifying those students who fail to attain the minimum levels of competence in the areas of reading and writing.

Students enrolled in undergraduate degree programs leading to the baccalaureate degree shall pass the Regents' Test as a requirement for graduation. Students must take the Test during the semester after they have completed 40 semester credit hours if they have not taken it previously. Each institution shall provide an appropriate program of remediation and shall require students who have earned 50 semester credit hours and have not passed the Test to enroll in the appropriate remedial course or courses until they pass the Regents' Test. Students with 40 or more college-level credit hours transferring from System programs that do not require the Regents' Test or from institutions outside the System shall take the Regents' Test no later than the second semester of enrollment in a program leading to the baccalaureate degree and in subsequent semesters shall be subject to all provisions of this policy.

The Chancellor will issue administrative procedures for the operation of the Regents' Testing Program. (A copy of Regents' Testing Program Administrative Procedures is available from the Division of Student Affairs, Room 211, Memorial College Center.)

According to "Regents' Testing Program Administration Procedures", institutions may increase requirements related to the Regents' Testing Program "provided that such increased requirements are authorized by the Chancellor and published in the official catalog of the institution prior to implementation." **Armstrong Atlantic State University has chosen to require the Test of all undergraduates who have not earned a baccalaureate or higher degree regardless of degree objective.**

### **Exemptions to the Regents' Testing Requirement**

A student holding a baccalaureate or higher degree from a regionally accredited institution of higher education will not be required to complete the Regents' Test in order to receive a degree from a University System institution.

### **Regents' Test: Administration and Remediation Requirements**

Students attending Armstrong Atlantic State University are urged to take the Regents' Test during their first semester of enrollment after the semester in which the 30th credit hour is earned. For the purpose of enforcing Regents' Testing Program Policy, transfer students are identified through the process of admission and transcript evaluation. Students register for the Regents' Test in the Division of Student Affairs prior to the publicized application deadline.

Students who neglect to take the Regents' Test until their first semester of enrollment after the semester in which the 40th credit hour is earned may be barred from all phases of registration until after test scores are posted.

Regardless of credit hours earned, students who do not pass the Regents' Test may be required by Armstrong Atlantic State University to take remedial courses before they retake the Regents' Test. In accordance with Regents' Testing Program Policy, students who have not passed the Regents' Test and who have earned 50 semester hours must take remedial courses, whether or not they have attempted the test.

Students who fail the reading portion of the Regents' Test and who have less than 50 semester hours earned with an adjusted GPA of 2.5 or better may appeal the requirement for RGTR 0198 (Regents' Reading Preparation) to the Head of the Department of Learning Support.

Students who fail the essay portion of the test and have less than 50 semester hours earned with an adjusted GPA of 3.0 or better and a 3.0 or better in required core courses in English may appeal the requirement for RGTE 0199 (Composition Review) to the Head of the Department of Languages, Literature, and Philosophy.

### **Regents' Test: Special Categories of Students**

At Armstrong Atlantic State University, students whose native language is not English must take the reading component of the Regents' Test, but may take a college examination to certify competence in writing. The college equivalent of the essay component of the Regents' Test is administered on the same date as the reading component of the Test. International students are allowed two hours for each test. International students, under certain conditions, may request a college equivalent of the reading component of the Regents' Test. See the Regents' Reading Coordinator in the Department of Learning Support.

Students with documented disabilities may request additional time and other appropriate accommodations for the Regents' Test. Documentation must be reviewed and approved by the Director of Disability Services, Division of Student Affairs, one semester prior to the date of testing.

### Regents' Test: Essay Review

Students may request a formal review of failure on the essay component of the Regents' Test if the essay received at least one passing score and the review is initiated by mid-term of the first semester of enrollment following testing and no more than one year from the semester in which the failure occurred. **Only reviews processed in the first two weeks of a semester will be answered before the next Regents' Test.** Students may initiate an essay review at the Division of Student Affairs.

### Regents' Test: Health Professions Program Requirement

Before a student in a Health Professions program may enter his / her last semester, he / she must have passed the Regents' Test.

### State Requirement In History and Constitution

By state law, each student who receives a diploma or certificate from a school supported by the State of Georgia must demonstrate proficiency in United States History and Constitution and in Georgia History and Constitution. A student at Armstrong Atlantic State University may demonstrate such proficiency as follows:

#### American Constitution/GA Constitution/American History/Georgia History

1. Successfully complete HIST/POLS 1100 at Armstrong.
2. Successfully complete a course that equates to HIST/POLS 1100 at another University System of Georgia institution
3. Successfully complete a course or a combination of courses in American Government /History at another institution (non-system) and pass a local test on the Georgia Constitution.
4. Earn an acceptable score on the CLEP: American Government exam and pass a local test on the Georgia Constitution.

### Requirements for the Bachelor of Arts and the Bachelor of Science Degrees

Requirements for each major program leading to a baccalaureate degree are described in the appropriate departmental listing. For baccalaureate degrees, a minimum of 120 semester hours, exclusive of the required physical education course(s), is required for graduation. Exit exams in the major and general education are also required. Each student in one of these major programs must complete the 60 hour core curriculum requirement (as listed under University Core Curriculum), along with the 3-hour physical education requirement.

### Associate Degree Requirements

Associate Degree Programs at Armstrong Atlantic State University must include:

9 hours from Area A

3 hours of HIST/POLS to meet the legislative requirement

3 hours of social science in addition to the legislative requirement

3 hours of humanities \*\*

1 laboratory science course

2 hours of physical education

\*\*3 hours of social science in place of humanities if required to meet program accreditation

In addition, successful completion of the Regents' Test will be a graduation requirement.



## Degree Programs

The degree programs of Armstrong Atlantic State University are presented in this catalog by college, school, division, and department. The University is organized into two colleges and two schools, each administered by a dean, and two non-school affiliated departments. The degrees offered by AASU are listed below:\*

### College of Arts and Sciences

Degree	Department
Associate of Arts	Interdepartmental
Associate of Applied Science in Criminal Justice	Government
Bachelor of Arts	
Art	Art, Music and Theatre
Drama/Speech	Languages, Literature, and Philosophy
Economics	Social and Behavioral Sciences
English	Languages, Literature, and Philosophy
English with Teacher Certification	Languages, Literature, and Philosophy
History	History
History with Teacher Certification	History
Music	Art, Music and Theatre
Political Science	Government
Political Science with Teacher Certification	Government
Psychology	Social and Behavioral Sciences
Psychology with Teacher Certification	Social and Behavioral Sciences
Spanish	Languages, Literature and Philosophy
Spanish with Teacher Certification	Languages, Literature and Philosophy
Bachelor of General Studies	Interdepartmental
Bachelor of Music Education	Art, Music and Theatre
Bachelor of Science	
Applied Physics	Chemistry and Physics
Biology	Biology
Biology with Teacher Certification	Biology
Chemistry	Chemistry and Physics
Chemistry with Teacher Certification	Chemistry and Physics
Computer Science	Computer Science
Criminal Justice	Government
Mathematical Sciences	Mathematics
Mathematical Sciences with Teacher Certification	Mathematics
Master of Arts	
History	History
Master of Science	
Criminal Justice	Government

## College of Education

### Degree

### Department

Bachelor of Science in Education

Early Childhood Education

Middle Grades Education

\*Business Education

Health and Physical Education

Social Science Education

Early Childhood Education

Middle/Secondary Education

Middle/Secondary Education

Health and Physical Education

Middle/Secondary Education

All Levels (K-12) Degree Programs

Art Education

Speech-Language Pathology

Early Childhood Education

Special Education

Other Degree Programs

The College of Education, working with departments in the College of Arts and Sciences, provides baccalaureate degrees with teacher certification in the secondary fields of Biology, Chemistry, English, History, Mathematical Sciences, Political Science, Psychology, and Spanish (see the departmental sections in the College of Arts and Sciences listings for degree particulars).

Master of Education

Elementary Education

Middle Grades Education

Secondary Education

Business Education\*

English Education

Mathematics Education

Broadfield Science Education

Broadfield Social Science Education

Special Education

Behavior Disorders

Learning Disabilities

Speech/Language Pathology

*\*Offered in conjunction with Savannah State University.*

## School of Health Professions

### Degree

### Department

Associate of Science in Dental Hygiene

Dental Hygiene

Bachelor of Science

Respiratory Therapy

Physical Therapy

Respiratory Therapy

Physical Therapy

Bachelor of Health Science

Health Science

Bachelor of Science in Dental Hygiene Education

Dental Hygiene

Bachelor of Science in Medical Technology

Medical Technology

Bachelor of Science in Nursing

Nursing

Bachelor of Science in Radiologic Sciences

Radiologic Sciences

Master of Public Health

Health Science

Master of Health Services Administration

Health Science

Master of Science in Nursing

Nursing

Adult Nurse Practitioner

Nursing

Master of Science in Physical Therapy

Physical Therapy

# The School of Graduate Studies

Graduate programs at Armstrong Atlantic State University are designed to provide students with the opportunity and resources to enhance their educational, professional, and cultural backgrounds while improving their professional skills and competence. Graduate programs encourage scholarly inquiry through the appropriate application of valid research methods.

Armstrong Atlantic State University is authorized to grant degrees in the following graduate programs:

**Master of Arts**

History

**Master of Science**

Criminal Justice

**Master of Public Health**

**Master of Health Services Administration**

**Master of Science in Nursing**

**Master of Education**

Elementary Education

Middle Grades Education

Secondary Education

- Business Education
- English Education
- Mathematics Education
- Science Education
- Social Science Education

Special Education

- Behavior Disorders
- Learning Disabilities
- Speech/Language Pathology

**Master of Science in Physical Therapy**

## Admission to Graduate Study

Graduates of colleges or universities accredited by a regional accrediting association may apply for admission to the School of Graduate Studies. Admission is restricted to include only those students whose academic records indicate that they can successfully undertake graduate work.

## Armstrong Atlantic State University Graduate Catalog

Please refer to the Armstrong Atlantic State University Graduate Catalog for additional information related to admission procedures and requirements. The Graduate Catalog also contains information on graduate programs, graduate courses, the graduate faculty, financial aid opportunities, and academic standards and regulations.

Copies of the graduate catalog are available from:

School of Graduate Studies  
Armstrong Atlantic State University  
Savannah, GA 31419  
(912) 927-5377

Office of Admissions  
Armstrong Atlantic State University  
Savannah, GA 31419  
(912) 927-5277  
800-633-2349

## Immunization Requirements

In order to comply with the University System of Georgia policies, all new students attending Armstrong Atlantic State University will be required to submit a Certificate of Immunization for measles, mumps, and rubella prior to registering for classes.

# College of Arts and Sciences

Townsend, Dabney, Dean  
Harris, Henry E., Assistant Dean

## Philosophy and Goals

Through its faculty, laboratory facilities, and other instructional resources, the College of Arts and Sciences offers students a broad range of educational opportunity in curricula ranging from Anthropology to Zoology.

As a foundation for baccalaureate programs, the College provides the core curriculum of the University – courses in the arts, humanities, and mathematics, as well as the sciences and social sciences, which are required of all students regardless of major. (For details, please see the section on “Degree Requirements” in this *Catalog*.) Beyond these basics, College curricula enable students to pursue specialized studies in a discipline, which provides a solid grounding in the field by probing its theory, methodology, and broader implications. Finally, major programs generally culminate in a “senior experience” – e.g., an internship, a capstone course, or a senior thesis – which is designed to help students comprehend their field as a whole.

In summary, Arts and Sciences curricula are designed to sharpen critical thinking and problem-solving skills and to cultivate such ethical sensitivity as will (1) equip students for careers, (2) provide a firm foundation for graduate study, and (3) educate for living. To this end many departments have active student professional or honorary societies. Moreover, the College of Arts and Sciences seeks to complement classroom instruction by offering an annual schedule of cultural events in liberal arts and sciences, such as lectures, field trips, faculty and student recitals or concerts, plays and exhibits – most of which are opened to the general public. More than one hundred such events are presented each year. In addition to supporting the overall mission of the University to serve the community beyond the campus, such events persuasively demonstrate for students how greatly all are enriched when curriculum comes to life.

## Organization and Degrees

The College of Arts and Sciences includes the departments of Art, Music and Theatre; Biology; Chemistry and Physics; Computer Science; Government; History; Languages, Literature, and Philosophy; Mathematics; Social and Behavioral Sciences; and Military Science.

The degrees offered in the College of Arts and Sciences are as follows:

Degree	Department
Associate of Arts	Interdepartmental
Associate of Applied Science in Criminal Justice	Government
Bachelor of Arts	
Art	Art, Music, and Theatre
Drama/Speech	Art, Music, and Theatre
Economics	Social and Behavioral Sciences
English	Languages, Literature, and Philosophy
English with Teacher Certification	Languages, Literature, and Philosophy
History	History
History with Teacher Certification	History
Music	Art, Music, and Theatre
Political Science	Government
Political Science with Teacher Certification	Government
Psychology	Social and Behavioral Sciences

Psychology with Teacher Certification	Social and Behavioral Sciences
Spanish	Languages, Literature, and Philosophy
Spanish with Teacher Certification	Languages, Literature, and Philosophy
Bachelor of General Studies	Interdepartmental
Bachelor of Music Education	Art, Music, and Theatre
Bachelor of Science	
Applied Physics	Chemistry and Physics
Biology	Biology
Biology with Teacher Certification	Biology
Chemistry	Chemistry and Physics
Chemistry with Teacher Certification	Chemistry and Physics
Computer Science	Computer Science
Criminal Justice	Government
Mathematical Sciences	Mathematics
Mathematical Sciences with Teacher Certification	Mathematics
Master of Arts	
History	History
Master of Science	
Criminal Justice	Government

Additional information on the College of Arts and Sciences undergraduate programs and teacher certification options are found in the section devoted to the appropriate department. Information on Military Science is located in the section on "Special Programs." Teacher certification option programs are offered in cooperation with the College of Education, are approved by the Georgia State Professional Standards Commission, and are accredited by the National Council for Teacher Education. A more comprehensive list of teacher certification programs is found in the College of Education section of this catalog.

Those interested in more detailed information on graduate programs should refer to the School of Graduate Studies section of this catalog and to the Armstrong Atlantic State University Graduate Catalog.

## Minor Concentrations of Study

A number of minors are offered by departments within the College of Arts and Sciences. Requirements for specific minors are listed in the information of the department sponsoring the minor. Students may include one or more minors in their programs as circumstances permit. Completion of a minor is indicated on the student's transcript.

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## General Studies

Nordquist, Richard, Director  
Anderson, Donald, Coordinator

Associate and baccalaureate degree programs in General Studies, emphasizing a liberal arts education, operate under the general guidance of the Dean of the School of Arts and Sciences and under the immediate supervision of the Director of General Studies. Curriculum guidance for these programs is provided by the General Studies Degree Program Committee. Interested students should contact either the Director or the Coordinator of the General Studies Program.

The Bachelor of General Studies degree is also available at the Brunswick Center on the campus of Coastal Georgia Community College in Brunswick, Georgia. Interested students should contact either the coordinator of the Brunswick Center or the Director of General Studies on the Armstrong Atlantic campus.

For the two-year degree of Associates in Arts, a student must complete at least 18 semester hours of the required course work and 27 hours of all course work in this program at Armstrong Atlantic State University. Certain courses may be exempted by examination.

**PROGRAM FOR THE DEGREE OF ASSOCIATE IN ARTS**

	Hours
<b>A. General Requirements: (Core Areas A, B, C, D, and E)</b> .....	<b>42 hours</b>
Physical Education .....	2 hours
<b>B. Courses in the Concentration and/or Electives</b> .....	<b>18 hours</b>
Students planning work toward a baccalaureate degree should select courses that meet listed requirements of that degree program.	
 Total Semester Hours	 <hr style="width: 10%; margin-left: auto; margin-right: 0;"/> 62

**PROGRAM FOR THE DEGREE OF BACHELOR OF GENERAL STUDIES**

At least 2 semesters prior to anticipated graduation, students must submit a degree proposal to the General Studies Coordinator for approval.

<b>A. General Requirements: (Core Areas A, B, C, D, and E)</b> .....	<b>42 hours</b>
<b>Core Area F:</b> .....	<b>18 hours</b>
1. Two courses selected from:	
ARAP 1100 - Art Appreciation	
ARHS 2710 - Art History I	
ARHS 2720 - Art History II	
MUSC 1270 - World of Art and Music	
PHIL 2201 - Introduction to Philosophy	
PHIL 2251 - Ethics and Contemporary Moral Philosophy	
THEA 1100 - Theatre Appreciation	
THEA 1200 - Introduction to Theatre	
Two Foreign Language courses in sequence (beyond 1001)	
2. Two courses selected from:	
ANTH 1102 - Introduction to Anthropology	
CSCI 1050 - Computer Concepts & Applications	
CSCI 1060 - Computer Concepts & Applications for Science Students	
CSCI 1301 - Introduction to Programming Principles	
ECON 2105 - Introduction to Programming Principles	
ECON 2106 - Microeconomics	
HIST 2111 - History of America to 1877	
HIST 2112 - History of American Since 1865	
PSYC 1101/H - General Psychology /Honors	
SOC1 1101 - Introductory Sociology	
3. Any two Core Area D courses (not used for Core Area D)	
Physical Education .....	<b>3 hours</b>
<b>B. Major Field Courses:</b>	
Minimum of 39 hours at 3000 level or above	
Maximum of 27 hours in any discipline (excluding courses taken under General Requirements)	
No more than two "D's" in the General Studies section	
at least 9 of the 18 hours in the General Studies section must be completed at Armstrong	
1. <b>General Studies</b> .....	<b>18 hours</b>
Must be at 2000 level or above	
a. Humanities (3-6 hours)	
Choice of:	
American civilization, art, comparative literature, English or American literature, history, music, philosophy, theatre	
b. Social Sciences (3-6 hours)	
Choice of:	
Anthropology, criminal justice, economics, geography, political science, psychology, pubic history, sociology	

c. Math, Natural Science, and Technology (3-6 hours) Choice of: Astronomy, biology, chemistry, geology, mathematics, meteorology, oceanography, physics, zoology	
d. Communication Arts (3-6 hours) Choice of: Computer science, communications, film, foreign languages, journalism, linguistics	
2. Area of Concentration .....	15-18 hours
Any University System approved minor No grade lower than "C"	
C. Electives .....	24-27 hours
Total Semester Hours	123
D. Regents Test and Exit Exam	

## Art, Music, and Theatre

### Faculty

Anderson, James, Department Head

Buchanan, Scott

Cato, Tom

Green, Rachel

Hampton, Kevin

Harris, Robert

Jensen, John

Jensen, Linda

Johnson, Mark

Mellen, Peter

Miller, Jill

Schmidt, John

Schultz, Lucinda

The Department of Art, Music, and Theatre offers the Bachelor of Arts degree with majors in art, music, and drama-speech, the Bachelor of Music Education degree, and in cooperation with the College of Education, the Bachelor of Science in Education in Art Education.

## Admission Requirements

The college-level study of art, music, and theatre requires considerable background as well as a basic proficiency level. Those students who wish to major in art are expected to present a portfolio of previous work in at least one medium. In music, placement examinations are required of all entering students in music theory and applied music.

## Placement Examinations

Transfer and new students in music must take placement examinations as appropriate in applied music, music theory, and music history. For art students, acceptance of transfer credit towards graduation requirements in each area is contingent upon the results of the examination in art history. Additionally, coursework at other institutions in studio art may not be counted towards graduation until a portfolio of artwork is submitted demonstrating competency in those areas in which classes have been completed.

## Additional Requirements for Music Majors

There are a variety of departmental policies and regulations which affect music majors. Included are requirements for recital attendance, ensemble participation, piano proficiency, recital participation, applied music levels, and the Rising Junior Applied Music Examination. A copy of *A Handbook of Policies and Regulations for Music Majors* will be given to each music student.

Please see the "Fees" section of this catalog for information on applied music fees.

**Directed Individual Studies (DIS)**

Directed Individual Studies (DIS) have a distinctly useful place in the art, music, and theatre curriculum. The intent of the DIS is for an enrichment experience that otherwise is unavailable in the classroom. Normally, regular curriculum coursework should not be completed by individual study.

be given to each music student.

**PROGRAM FOR THE DEGREE BACHELOR OF ARTS WITH A MAJOR IN ART**

**A. General Requirements:**

Core Areas A, B, C, D, and E ..... 42 hours

Core Area F (18 hours) consists of the following courses listed in the major:

- AART 1111 - Design I
- AART 1112 - Design II
- AART 2011 - Painting I
- ARST 2131 - Drawing I
- ARST 2132 - Drawing II
- ARHS 2710 - Art History I

Physical Education ..... 3 hours

**B. Major Field Courses (including Area F\*): 39 + 18 hours in Area F= ..... 57 hours**

- AART 1111\* - Design I
- AART 1112\* - Design II
- AART 2011\* - Painting I
- AART 2012 - Painting II
- ARST 2131\* - Drawing I
- ARST 2132\* - Drawing II
- AART 3130 - Drawing III
- AART 2040 - Photography
- AART 2150 - The Computer in Art
- AART 2400 - Introduction to Craft
- AART 3301 - Ceramics I
- AART 3400 - Printmaking 1
- AART 3700 - Figure Sculpture
- AART 3750 - Contemporary Art & Criticism
- AART 4700 - Senior Portfolio
- ARHS 2710 \*- Art History I
- ARHS 2720 - Art History II

Two studio courses (3000 and above) from one of the following areas: drawing & painting, sculpture, ceramics, crafts, or photography

**C. Related Field Courses (including Area F\*) ..... 6 hours**

- Foreign Language 1002 - Elementary Language II
- Foreign Language 2001 - Intermediate Language I

**D. Electives: ..... 15 hours**

15 semester hours of courses at the 3000 level or above

**Total Semester Hours**

123

**E. Regents Test and Exit Exam**



## PROGRAM FOR THE DEGREE BACHELOR OF ARTS WITH A MAJOR IN MUSIC

### A. General Requirements

Core Areas A, B, C, D, and E ..... 42 hours

Core Area F (18 hours) consists of the following courses listed in the major:

- MUSC 1111 - Music Theory I
- MUSC 1112 - Music Theory II
- MUSC 1130 (2 sem) - Keyboard Harmony
- MUSC 2111 - Intermediate Theory I
- MUSC 2130 (1 sem) - Advanced Keyboard Harmony
- MUSC 1400(2 sem)- Applied Music
- MUSC 2400 - Applied Music
- MUSC 2540 - Concert Choir or 2560\* (3 sem) - Wind Ensemble

Physical Education ..... 3 hours

### B. Major Field Courses (including Area F\*) 27 + 18 as Area F= ..... 45 hours

- MUSC 1111\* - Music Theory I
- MUSC 1112\* - Music Theory II
- MUSC 1130\* (2 sem) - Keyboard Harmony
- MUSC 2111\* - Intermediate Theory I
- MUSC 2130\* (1 sem) - Advanced Keyboard Harmony
- MUSC 1400\* (2 sem) - Applied Music
- MUSC 2400\* - Applied Music
- MUSC 2540\* - Concert Choir or MUSC 2560\* (3 sem) - Wind Ensemble
- MUSC 1000 (7 sem) - Recital Attendance
- MUSC 2112 - Intermediate Theory II
- MUSC 2130 (2 sem), - Advanced Keyboard Harmony (in addition to Area F requirements)
- MUSC 2400 (1 sem) - Applied Music (in addition to Area F requirement)
- MUSC 2540 (1 sem) - Concert Choir or MUSC 2560 (1 sem) - Wind Ensemble (in addition to Area F requirement)
- MUSC 2810 - Conducting
- MUSC 3400 (2 sem) - Applied Music
- MUSC 3710 - Music History I
- MUSC 3720 - Music History II
- MUSC 3540 (2 sem) - Concert Choir or MUSC 3560 (2 sem) - Wind Ensemble
- Two courses selected from:
  - MUSC 3120 - Form and Analysis
  - MUSC 3610 - Orchestration and Arranging
  - MUSC 4120 - Counterpoint
- One course selected from:
  - MUSC 4160 - Topics in Repertoire and Techniques
  - MUSC 4250 - Piano Pedagogy
  - MUSC 4270 - Vocal Pedagogy

### C. Concentration Electives ..... 21 hours

Select one of the following track options:

#### Liberal Arts Track

21 hours of electives with 18 semester hours at the 3000 level or above and at least one music course at the 3000 level or above.

#### Keyboard Performance Track

- MUSC 2580 - Keyboard Accompanying
- MUSC 4200 - Piano Literature I
- MUSC 4210 - Piano Literature II
- MUSC 4400 (2 sem) - Applied Music

11 hours of electives with 10 semester hours at the 3000 level or above

**Vocal Performance Track**

- MUSC 2171 - Lyric Diction I
- MUSC 2172 - Lyric Diction II
- MUSC 4400 (2 sem) - Applied Music
- One course selected from: (cannot be duplicated with major courses)
  - MUSC 3120 - Form and Analysis
  - MUSC 3610 - Orchestration & Arranging
  - MUSC 4120 - Counterpoint
- 11 hours of electives at the 3000 level or above

**Instrument Performance Track (Wind or Percussion)**

- MUSC 4400 (2 sem) - Applied Music
- MUSC 4810 - Advanced Instrumental Conducting
- One course selected from: (cannot be duplicated with major courses)
  - MUSC 3120 - Form and Analysis
  - MUSC 3610 - Orchestration & Arranging
  - MUSC 4120 - Counterpoint
- 13 hours of electives with 10 semester hours at the 3000 level or above

**Composition Track**

- MUSC 4110 (8 sem hrs) - Composition
- One course selected from: (cannot be duplicated with major courses)
  - MUSC 3120 - Form and Analysis
  - MUSC 3610 - Orchestration & Arranging
  - MUSC 4120 - Counterpoint
- 11 hours of electives with 10 semester hours at the 3000 level or above

**D. Related Field Courses: ..... 12 hours**

- Foreign Language 1002 - Elementary Language II
- Foreign Language 2001 - Intermediate Language I
- AART 2720 - Art History II
- ARHS 3750 - Contemporary Art and Criticism

**Total Semester Hours 123**

**E. Regent's Exam, General Education Exit Exam, Piano Proficiency Exam, Major Field Exit Exam, and Senior Recital**

**PROGRAM FOR THE DEGREE BACHELOR OF MUSIC EDUCATION**

**A. General Requirements**

**Core Areas A, B, C, D, and E ..... 42 hours**

**Area F (18 hours) consists of the following courses listed in the major**

- MUSC 1111 - Music Theory I
- MUSC 1112 - Music Theory II
- MUSC 1130 (2 sem) - Keyboard Harmony
- MUSC 2111 - Intermediate Theory I
- MUSC 2130 (1 sem) - Advanced Keyboard Harmony
- MUSC 1400 (2 sem) - Applied Music
- MUSC 2400 - Applied Music
- MUSC 2540 (3 sem) - Concert Choir or 2560\* (3 sem) - Wind Ensemble

**Physical Education ..... 3 hours**

**B. Major Field (including Area F\*) 34 + 18 in Area F= ..... 52 hours**

- MUSC 1111\* - Music Theory I
- MUSC 1112\* - Music Theory II
- MUSC 1130\* (2 sem) - Keyboard Harmony
- MUSC 2111\* - Intermediate Theory I
- MUSC 2130\* (1 sem) - Advanced Keyboard Harmony
- MUSC 1400\* (2 sem) - Applied Music
- MUSC 2400\* - Applied Music

MUSC 2540\* - Concert Choir (3 sem) or MUSC 2560\* (3 sem) - Wind Ensemble  
 MUSC 1000 (7 sem) - Recital Attendance  
 MUSC 2112 - Intermediate Theory II  
 MUSC 2130 - Advanced Keyboard Harmony (in addition to Area F requirement)  
 MUSC 2360 - Brass Methods  
 MUSC 2370 - Woodwind Methods  
 MUSC 2380 - Percussion Methods  
 MUSC 2390 - String and Guitar Methods  
 MUSC 2400 (1 sem) - Applied Music (In addition to Area F requirement)  
 MUSC 2540 - Concert Choir (1 sem) or MUSC 2560 (1 sem) - Wind Ensemble (In addition to Area F requirement)  
 MUSC 2810 - Conducting  
 MUSC 3120 - Form and Analysis  
 MUSC 3300 - Music Teaching in Lower Schools  
 MUSC 3310 - Music Teaching in Middle and High School  
 MUSC 3400 (2 sem) - Applied Music  
 MUSC 3540 - Concert Choir or MUSC 3560 (2 sem) Wind Ensemble  
 MUSC 3610 - Orchestration and Arranging  
 MUSC 3710 - Music History I  
 MUSC 3720 - Music History II  
 MUSC 4120 - Counterpoint

**C. Concentration Electives ..... 12 hours**

Select one of the following track options:

**Choral Track**

MUSC 1300 (2 sem voice or piano) - Applied Music  
 MUSC 2171 - Lyric Diction I  
 MUSC 3340 - Choral Methods  
 MUSC 4230 - Choral Repertoire  
 MUSC 4270 - Vocal Pedagogy  
 MUSC 4800 - Advanced Choral Conducting

**Instrumental Track**

MUSC 1300 (2 sem woodwinds, brass or percussion) - Applied Music  
 MUSC 2270 - Class Voice (two semesters)  
 MUSC 3330 - Band Methods  
 MUSC 4240 - Band Repertoire  
 MUSC 4280 - Marching Band Techniques  
 MUSC 4810 - Advanced Instrumental Conducting

**Elementary Track**

MUSC 1300 and/or MUSC 2240\* - Class Guitar  
 (2 semesters in two secondary areas selected from piano accompanying, voice, guitar)  
 MUSC 2171 - Lyric Diction  
 MUSC 3320 - Music Teaching: The Lower Schools

One course sequence selected from:

MUSC 3340 - Choral & Music Methods in Secondary Schools and  
 MUSC 4800 - Advanced Choral Conducting or MUSC 3330 - Band  
 Methods  
 and MUSC 4810 - Advanced Instrumental Conducting

**D. Related Field Courses ..... 21 hours**

PSYC 1101 or 1101H - General Psychology/Honors  
 CEUG 1010 - Human Growth and Development  
 CEUG 2100 - Teaching and the Exceptional Child  
 CEUG 4110 - Student Teaching P-12  
 CEUG 4630 - Classroom Management P-12

- E. Regents Test, General Education Exit Exam, Teaching Portfolio, Current Certification in CPR/First Aid, Orientation to Teaching or equivalent, Admission to Teacher Education including Praxis I, Piano Proficiency Exam, Praxis II Exit Exam, Senior Recital

## **PROGRAM FOR THE DEGREE BACHELOR OF SCIENCE IN EDUCATION IN ART EDUCATION**

### **A. General Requirements**

Core Areas A, B, C, D AND E ..... 42 hours

Area F (18 hours) consists of the following courses listed in the major and related courses

- AART 1111 - Design I
- AART 1112 - Design II
- ARST 2131 - Drawing I
- ARHS 2710 - Art History I
- CEUG 1010 - Human Growth and Development
- CEUG 2100 - Teaching and the Exceptional Child

Physical Education ..... 3 hours

### **B. Major Field Courses (Including Area F\*) 54 hours + 12 hours in Area F= 66 hours**

- AART 1111\* - Design I
- AART 1112\* - Design II
- ARST 2131\* - Drawing I
- ARST 2132 - Drawing II
- ARHS 2710\* - Art History I
- ARHS 2720 - Art History II
- AART 2011 - Painting I
- AART 2012 - Painting II
- AART 2040 - Photography
- AART 2150 - The Computer in Art
- AART 2400 - Introduction to Craft
- AART 3301 - Ceramics I
- AART 3400 - Printmaking I
- AART 3700 - Figure Sculpture
- AART 3750 - Contemporary Art and Criticism
- AART 4500 - Seminar in Art Education
- ARED 3500 - Art in Elementary Grades
- ARED 3510 - Art for Pre-Adolescent and Adolescent
- Any Upper Division Craft Class
- Any Art Elective

Six semester hours of upper division studio courses from one of the following areas: Drawing & Painting, Sculpture, Ceramics, Crafts or Photography.

### **C. Related Field (Including Area F\*) 12 + 6 hours in Area F: ..... 18 hours**

- CEUG 1010\* - Human Growth and Development
- CEUG 2100\* - Teaching and the Exceptional Child
- CEUG 4110 - Student Teaching P-12 (9 credit hours)
- CEUG 4630 - Classroom Management

**Total Semester Hours**

**129**

- D. Regents Test, Orientation to Teaching Module, Admission to Teacher Education including Praxis I, Education Teaching Portfolio, Admission to Student Teaching, Current Certification in CPR/First Aid, Senior Art Show, Senior Art Gallery Talk, Praxis II Exit Exam.

## PROGRAM FOR THE DEGREE BACHELOR OF ARTS WITH A MAJOR IN DRAMA SPEECH

### A. General Requirements

Core Areas A, B, C, D, and E ..... 42 hours

Area F (18 hours) consists of the following courses listed in the major and related field

One course from:

THEA 1100, 1200, 2410

THEA 2270 (3 sem) - Theatre Lab

COMM 228 - Speech Communication

Two course sequence in a foreign language beyond 1001

One course from:

AART 1110, 1270, 2710, 2710, MUSC 1300, 1400, ENGL 2100

Physical Education ..... 3 hours

### B. Major Field (including Area F\*) 45 + 9 in Area F= ..... 54 hours

One course\* from:

THEA 1100, 1200, 2410

THEA 2270\* (3 sem) - Theatre Lab

COMM 2280\* - Speech Communication

THEA 3000 - Introduction to Acting

THEA 3040 - Stagecraft

THEA 3440 - History of Theatre

THEA 3460 - Play Directing

THEA 4950 - Capstone - Senior Thesis/Project (3 sem hours)

ENGL 3010 - Introduction to Literary Studies

ENGL 5450 - Shakespeare I or 5460 - Shakespeare II

Twelve semester hours from:

THEA 3030 - Creative Dramatics and Children's Theatre

THEA 3270 - Video Lab

THEA 3420 - Acting II

THEA 3450 - History of Theatre II

THEA 3470 - Theatre Management

THEA 4000 - Special Topics in Theatre

THEA 4470 - Stage Managers and Designers Lab

THEA 4500 - Drama Workshop

THEA 4510 - Drama Workshop

THEA 4900 - Independent Study

THEA 4990 - Internship

Nine semester hours from:

ENGL 5450U - Shakespeare I

ENGL 5460U - Shakespeare II

ENGL 5560 - British Drama I

ENGL 5570U - British Drama II

ENGL 5650U - British, American and Continental Drama: Ibsen to the Present

ENGL 5660U - Ancient Epic and Drama

Three semester hours from:

FILM 3360, 3400, 3490, 3500, 3510, 5010U, 5020U

### C. Related Field (including Area F\*) 3 + 9 in Area F= ..... 12 hours

One course\* from:

AART 1110, 1270, 2710, 2710, MUSC 1300, 1400, ENGL 2100

Two course\* sequence (six semester hours) in a foreign language beyond 1001

One additional course in the foreign language sequence (numbered 2002 or above)

D. Free Electives ..... 12 hours

Total Semester Hours 123

### Minor Concentrations

Minor in Art: ..... 18 hours

Choice of ARST 1111 (2D Design) or ARST 1112 (3D Design)

Choice of ARHS2710 (Art History I) or ARHS 2720 (Art History II)

Choice of one lower division studio art course

Three upper division art courses from the art studio and/or art history areas

Minor in Theatre: ..... 15 hours

Three semester hours from: THEA 1100, 1200, 2270, 2410

Twelve semester hours from: any 3000-4000 level THEA courses

## BIOLOGY

### Faculty

Relyea, Kenneth, Department Head

Awong-Taylor, Judy

Beumer, Ronald

Guillou, Laurent

Hyde, Linda

Kempke, Suzanne

Khan, Ritin

Larson, Brett

Thorne, Francis

Wynn, Gail

The Biology Department offers a Bachelor of Science degree designed to provide the student with exposure to traditional and field oriented biology and more modern molecular aspects of biology. Students seeking the Bachelor of Science degree in biology or the B.S. degree in biology with teacher certification will receive a firm and rounded education in biology and physical sciences upon which professional careers or additional study can be built. The program is attractive to students seeking careers in wildlife biology, teaching, research and to pre-medical, pre-dental, and pre-veterinary students. Flexibility in choosing electives in the major is appealing to students attempting to meet medical, dental, and veterinary school requirements, and the biology major can be obtained while meeting those requirements. It is possible by careful choice of electives to secure double majors, for example, with chemistry. However, additional credit hours may be necessary to complete double majors.

Departmental advisors are available to provide information and assistance on all aspects of the B.S. degree in biology and B.S. in biology with teacher certification, with the requirements for graduate, medical, dental, and veterinary schools, and with career goals. The major in biology consists of BIOL 1107, 1108, 2010, 2020 and 2500, CHEM 1211 / 1211L, 1212 / 1212L, and 2101 / 2101L, and at least 39 credit hours of biology courses numbered 3000 and above. The majority of the courses in the major numbered 3000 or above must be taken in the Biology Department at Armstrong Atlantic State University.

Each student acquiring a major in biology must include in his/her program the following courses: BIOL 3000, 3010, 3700, 4200, 4700, 4800 and at least one 3 credit course from each of the categories 1, 2, and 3 below.

In addition, biology majors must complete MATH 2200 (Statistics). Students considering pre-medical, pre-veterinary, pre-dental or graduate programs should take PHYS 1111 / 1111L and 1112 / 1112L or 2211 / 2211L and 2212 / 2212L, and CHEM 2102 / 2102L. The physics courses, CHEM 2102 / 2102L (Organic Chemistry II), and additional chemistry and calculus courses may be used to replace up to 12 credit hours of biology electives, an appealing aspect of the biology pre-professional program.

To be eligible for the B.S. degree in biology, the student must have a grade of at least 'C' for all biology courses applied to the major. The student must also take the biology subject test of the Graduate Record Exam (GRE) as an exit exam.

## PROGRAM FOR THE DEGREE OF BACHELOR OF SCIENCE WITH A MAJOR IN BIOLOGY

### A. General Requirements

Core Areas A,B,C,D, and E ..... 42 hours

Area F (18 hours) consists of the following courses listed in the major and related fields

BIOL 1107, 1108 - Biology I, II

BIOL 2500 - Modern Biology

CHEM 1211, 1211L, 1212, 1212L - Principles of Chemistry I, II (Unless taken to satisfy area D, in which case Biology 2010 and 2020 must be substituted.)

Physical Education ..... 3 hours

### B. Major Field Course (including Area F\*) ..... 46+ 10 as Area F = 56 hours

BIOL 1107\* - Biology I

BIOL 1108\* - Biology II

BIOL 2500\* - Modern Biology

BIOL 2010 - Microbiology (If used to satisfy area F, add a four credit hour elective from Biology.)

BIOL 2020 - Plantae and Fungi (If used to satisfy area F, add a four credit hour elective from Biology.)

BIOL 3000 - Cell Biology

BIOL 3010 - Modern Biology Lab

BIOL 3700 - Genetics

BIOL 4200 - Vertebrate Physiology

BIOL 4700 - Ecology

Total of 22 credit hours from categories 1-4, with at least one 3 credit hour course chosen from each of categories 1-3.

#### Category 1: Cell/Molecular/Physiology

BIOL 3510 - Bacteriology

BIOL 3520 - Medical Microbiology

BIOL 3530 - Immunology and Serology

BIOL 4000 - Cellular Physiology

BIOL 4090 - Molecular Genetics

BIOL 4300 - Microbial Physiology

BIOL 4310 - Applied Microbiology

BIOL 4400 - Virology

BIOL 4510 - Principles of Development

#### Category 2: Organismal/Ecology

BIOL 3300 - Entomology

BIOL 3310 - Invertebrate Zoology

BIOL 3750 - Natural History of Vertebrates

BIOL 3770 - Anatomy of Vertebrates

BIOL 3920 - Parasitology

BIOL 4010 - Evolution

BIOL 4320 - Environmental Microbiology

BIOL 4550 - Marine Organisms

BIOL 4560 - Physiological Ecology

#### Category 3: Botany

BIOL 3150 - Horticulture

BIOL 3200 - Flowering Plants

BIOL 3230 - Anatomy of Seed Plants

BIOL 4150 - Plant Physiology

BIOL 4450 - Morphology of Vascular Plants

**Category 4: Others**

BIOL 3400 - Human Physiology

BIOL 3410 - Nutrition

BIOL 3580 - Histological Technique

BIOL 3870 - Animal Histology

BIOL 4210 - Comparative Physiology

BIOL 4220 - Endocrinology

BIOL 4910, 4920 - Research I and II (only one research course may be counted as an elective)

BIOL 4950/4960 Internship I and II (only one internship may be counted as a major elective),

BIOL 4970 - Special Topics (with permission of department head)

**C. Related Field Courses (including area F\*) 4-12 + 8 hours in area F = ... 12-20 hours**

CHEM 1211\*/1211L\*, 1212\*/1212L\* - Principles of Chemistry I, II (Unless taken to satisfy area D, in which case Biology 2010 and 2020 must be substituted.)

CHEM 2101, 2101L - Organic Chemistry I

Up to 12 credit hours from the following:

CHEM 2102/2102L - Organic Chemistry II and Lab II

CHEM 3300 - Instrumental Analysis

CHEM 3801 - Biochemistry I

CHEM 3802 - Biochemistry II

MATH 1161 - Calculus I

PHYS 1111/1111L - Introductory Physics I and Lab I

PHYS 1112/1112L - Introductory Physics II and Lab II

PHYS 2211/2211L - Principles of Physics I and Lab I

PHYS 2212/2212L - Principles of Physics II and Lab II

**D. Electives ..... sufficient to make 123 hours**

Students are encouraged to take electives courses which will broaden their educational experience.

**Total Semester Hours****123****E. Regents Test and Exit Exam****PROGRAM FOR THE DEGREE OF BACHELOR OF SCIENCE WITH A MAJOR IN BIOLOGY (TEACHER CERTIFICATION)**

Students will follow the same program as noted for the biology major with the following exceptions:

The student takes only 4 credit hours from categories 1-4 under Major Electives.

The student is allowed only 3 credit hours of Free Electives.

The following Education courses are required:

CEUG 1010 - Human Growth and Development

CEUG 2100 - Teaching and the Exceptional Child

MGSE 3351 - General Curriculum and Methods

MGSE 4472 - Science Curriculum and Methods

MGSE 4630 - Classroom Management

MGSE 4750 - Student Teaching and Seminar - 9 hours



## PROGRAM FOR THE DEGREE OF BACHELOR OF SCIENCE WITH A MAJOR IN BIOLOGY (PHYSICAL THERAPY EMPHASIS)

### A. General Requirements

Core Areas A,B,C,D, and E ..... 42 hours

Area F (18 hours) consists of the following courses listed in the major and related fields

BIOL 1107, 1108 - Biology I, II

(Unless taken in area D in which case substitute PHYS 1111/1111L, 1112/1112L - Physics I, II)

BIOL 2500 - Modern Biology

CHEM 1211, 1211L, 1212, 1212L - Principles of Chemistry I, II

(Unless taken to satisfy area D, in which case substitute PHYS 1111/1111L, 1112/1112L - Physics I, II)

Physical Education ..... 3 hours

### B. Major Field Course (including Area F\*) ..... 19 + 2-10 as Area F = 21-29 hours

BIOL 1107\*, 1108\* - Biology I, II

(Unless taken to satisfy Core Area D)

BIOL 2500\* - Modern Biology

BIOL 3000 - Cell Biology

BIOL 3510 - Bacteriology

BIOL 3770 - Anatomy of Vertebrates

BIOL 4200 - Vertebrate Physiology

BIOL 4700 - Ecology

### C. Related Field Courses (including area F\*) ... 9 + 8-16 hours in area F = 17-25 hours

CHEM 1211\*/ 1211L\*, 1212\*/ 1212L\* - Principles of Chemistry I, II

(Unless taken to satisfy area D, in which case substitute PHYS 1111/1111L\*, 1112, 1112L\* - Physics I, II)

PHYS 1111, 1111L\* - Physics I

PHYS 1112, 1112L\* - Physics II

LPR 2000 - Research in the Health Professions

CHEM 2101, 2101L - Organic Chemistry I

CSCI 1050 - Computer Concepts and applications

### D. Professional Physical Therapy Program (must be admitted to the professional phase of the Physical Therapy program): ..... 32 hours

PHTH 5101U - Functional and Structural Aspects of Movement I

PHTH 5131U - Foundations of Physical Therapy Assessment and Treatment I

PHTH 5161U - Physical Therapy Practice Issues I

PHTH 5181U - Clinical Practicum I

PHTH 5202U - Functional and Structural Aspects of Movement II

PHTH 5232U - Foundations of Physical Therapy Assessment and Treatment II

PHTH 5262U - Physical Therapy Practice Issues II

If the student does not choose to continue in the professional physical therapy program once admitted, he/she may count up to 12 semester hours of PT courses as biology electives and continue with the biology major. Consultation with the department head to ensure that degree requirements will be met will be essential.

Total Semester Hours

123

### E. Regents Test and Exit Exam

#### Minor Concentrations

A minor in biology consists of 18 semester hours of biology courses with a grade of C or better, of which 9 semester hours must be numbered 3000 or above. Students should be aware that 3000-4000 level biology courses may have prerequisites which could increase the total credit hours for the biology minor beyond 18.

#### Pre-Professional Programs

**Pre-Medical/Pre-Dental/Pre-Veterinary.** Students majoring in biology may concurrently complete all pre-medical, pre-dental, and pre-veterinary requirements.

**Secondary Teaching Certificate in Biology.** Students may major in biology and obtain teaching certification.

**Pre-forestry program with the University of Georgia.** A student may complete two years of a pre-forestry curriculum at Armstrong, then transfer to the University of Georgia. After two additional years of coursework, the student may receive a B.S. in Forest Resources.

**Pre-forestry/Environmental Management Affiliation with Duke University.** In this program, a student may complete three years of study at Armstrong and then may apply for admission to the Duke program. If accepted, the student may complete two additional years at Duke. Upon successfully completing the first year at Duke, the student will receive a B.S. in Biology from Armstrong; after successful completion of the second year, the student will receive a Master of Science degree in either forestry or environmental management from Duke University.

### Scholarships in Biology

The department offers a limited number of scholarships to biology majors. Interested students are invited to inquire in the department office for details.

### Biology Honors

Students who perform independent biological research and submit acceptable oral and written reports to a departmental committee may be eligible to have 'graduated with departmental honors' noted on their official academic records.

To qualify for this honor, students must have at the time of application: 80-100 semester hours of course work; a minimum college GPA of 3.3; a minimum biology GPA of 3.5 with no grade lower than 'C'; and three or more 3000-4000 level courses completed.

The committee will consist of three biology faculty, adding where applicable a biologist from outside the college. The committee will examine students' proposals before projects are undertaken and evaluate the projects at their completion.

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## CHEMISTRY AND PHYSICS

### Faculty

Williams, Ron, Department Head

Carpenter, Suzanne, Coordinator of Chemistry

Martin Keith, Coordinator of Engineering Studies

Brush, Sabitra

Butler, Frank

Byrd, James

Harris, Henry

Hizer, Todd

Jaynes, Leon

Kolodny, Robert

Lynch, Will

MacGowan, Catherine

Murray, Eric

Wallace, Richard

Weiner, Steven

Whiten, Morris

Zipperer, W.C.

The department offers majors in chemistry and in applied physics. Minor concentrations are offered in chemistry, engineering studies, physical sciences, and applied physics. The department also sponsors the Engineering Studies Program. This program allows students to complete the first two years of an engineering degree while attending Armstrong Atlantic State University.

The major in chemistry is designed to give depth in the fields of chemistry, yet is flexible enough to accommodate a range of career goals. Students majoring in chemistry may concurrently complete all pre-medical, pre-dental, and pre-veterinary requirements and all requirements for secondary teaching certification in chemistry. A grade of 'C' or better in all chemistry courses applied toward the major, and the successful completion of the chemistry exit exam are graduation requirements. If any credit for major or major field courses is transferred from another college, the department may require that it be validated by examination.

The major in applied physics is designed to give a broad foundation in the fields of physics and engineering with enough flexibility to support a range of career goals from

industrial employment to graduate work. A grade of 'C' or better in all physics courses applied toward the major and the successful completion of the applied physics exit exam are graduation requirements.

The department participates in the Dual Degree Program of Armstrong Atlantic State University under which students may earn simultaneously the B.S. with a Major in Chemistry or Applied Physics from Armstrong Atlantic and a baccalaureate degree in a field of engineering from the Georgia Institute of Technology or one of several other participating schools.

Department advisors are available to provide information and assistance for students pursuing the B.S. with a Major in Chemistry or Applied Physics, the B.S. with a Major in Chemistry with teacher certification, and for students who are Pre-Medicine, Pre-Pharmacy, Pre-Veterinary Medicine, Pre-Dentistry, Engineering Studies, and Regents Engineering Transfer Program majors.

## PROGRAM FOR THE DEGREE OF BACHELOR OF SCIENCE WITH A MAJOR IN CHEMISTRY (Applied Chemistry Option)

### A. General Requirements:

Core Areas A, B, C, D, and E ..... 42 hours

(Chemistry majors are required to take MATH 1113 - Pre-calculus Mathematics - for Core Area A and MATH 1161 - Calculus I - for Core Area D)

Area F (18 hours) consists of the following courses listed in the major and related fields  
CHEM 1211, 1211L/1212, 1212L - Principles of Chemistry I, II (unless taken to satisfy Area D, in which case replace with 8 hours of lower division electives)

Choose one sequence from:

PHYS 1111/1111L - Introductory Physics I and

PHYS 1112/1112L - Introductory Physics II or

PHYS 2211/2211L - Principles of Physics I and

PHYS 2212/2212L - Principles of Physics II

One hour excess for MATH 1161 from Core Area D

One hour lower division chemistry

Physical Education ..... 3 hours

B. Major Field Courses (including Area F\*) ..... 38 + 8 as Area F = 46 hours

CHEM 1211\*/1211L\*, 1212\*, 1212L\* - Principles of Chemistry I, II (unless taken to satisfy Area D, in which case replace with 8 hours of lower division electives)

CHEM 2101/2101L - Organic Chemistry I

CHEM 2102/2102L - Organic Chemistry II

CHEM 2300 - Chemical Analysis

CHEM 3200/3200L - Inorganic Chemistry and Lab

CHEM 3300 - Instrumental Analysis

CHEM 3401 - Physical Chemistry I

CHEM 3402 - Physical Chemistry II

CHEM 5501U - Chemistry Seminar I

CHEM 5502U - Chemistry Seminar II

Two courses from:

CHEM 3801 - Biochemistry I

CHEM 4100 - Advanced Organic Chemistry

CHEM 4200 - Advanced Inorganic Chemistry

CHEM 4300 - Advanced Instrumental Analysis

C. Related Field Courses (including area F\*) 3 + 8 hours in area F = ..... 11 hours

One hour\* excess for MATH 1161 from Core Area D

ENGL 3720 - Business and Technical Communication

Choose one sequence\* from:

PHYS 1111\*/1111L\* - Introductory Physics I and

PHYS 1112\*/1112L\* - Introductory Physics II or

PHYS 2211\*/2211L\* - Principles of Physics I and

PHYS 2212\*/2212L\* - Principles of Physics II

- D. Electives:** ..... **21 hours**  
 10 hours of upper-division courses from chemistry or other subjects within College of Arts and Science  
 11 hours of free electives, of which at least one hour\* must be lower division credit

**Total Semester Hours** ..... **123**

**E. Regents Test and Exit Exam**

**PROGRAM FOR THE DEGREE OF BACHELOR OF SCIENCE WITH A MAJOR IN CHEMISTRY (Pre-professional/Biochemistry Option)**

**A. General Requirements:**

Core Areas A, B, C, D, and E ..... **42 or 43 hours**

(Chemistry majors are required to take MATH 1113 - Pre-calculus Mathematics - for Core Area A and MATH 1161 - Calculus I - for Core Area D)

**Area F (18 hours) consists of the following courses listed in the major and related fields**

CHEM 1211,1211L, 1212/1212L - Principles of Chemistry I, II (unless taken to satisfy Area D, in which case replace with 8 hours of lower division electives)

Choose one sequence from:

PHYS 1111/1111L - Introductory Physics I and

PHYS 1112/1112L - Introductory Physics II or

PHYS 2211/2211L - Principles of Physics I and

PHYS 2212/2212L - Principles of Physics II

One hour excess for MATH 1161 from Core Area D

One hour lower division elective

**Physical Education** ..... **3 hours**

**B. Major Field Course (including Area F\*) 40 + 9 as Area F = ..... 49 hours**

CHEM 1211\*/1211L\*,1212\*/1212L\* - General Chemistry I, II (unless taken to satisfy Area D, in which case replace with 8 hours of lower division electives)

CHEM 2101/2101L - Organic Chemistry I (one hour\* count as Area F)

CHEM 2102/2102L - Organic Chemistry II

CHEM 2300 - Chemical Analysis

CHEM 3200/3200L - Inorganic Chemistry and Lab

CHEM 3300 - Instrumental Analysis

CHEM 3401, 3402 - Physical Chemistry I, II

CHEM 5501U, 5502U - Chemistry Seminar I, II

CHEM 3801, 3802 - Biochemistry I, II

One course from:

CHEM 4100 - Advanced Organic Chemistry

CHEM 4200 - Advanced Inorganic Chemistry

CHEM 4300 - Advanced Instrumental Analysis

**C. Related Field Courses (including area F\*) 11 + 9 as Area F= ..... 20 hours**

One hour\* excess for MATH 1161 from Core Area D

ENGL 3720 - Business and Technical Communication

BIOL 1107, 1108 Biology I, II

Choose one sequence\* from:

PHYS 1111/1111L\* - Introductory Physics I and

PHYS 1112/1112L\* - Introductory Physics II or

PHYS 2211/2211L\* - Principles of Physics I and

PHYS 2212/2212L\* - Principles of Physics II

- D. Electives** ..... 9 hours  
 Upper-division courses from chemistry or other subjects within the College of Arts and Sciences (7 semester hours)  
 Free electives (2 semester hours)

**Total Semester Hours**

123

**E. Regents Test and Exit Exam**

Special Note: Additional biology courses are required for some professional or graduate programs.

**PROGRAM FOR THE DEGREE OF BACHELOR OF SCIENCE WITH A MAJOR IN CHEMISTRY (Pre-Graduate Study Option)**

**A. General Requirements**

**Core Areas A, B, C, D, and E** ..... 42 hours  
 (Chemistry majors are required to take MATH 1113 - Pre-calculus Mathematics - for Core Area A and MATH 1161 - Calculus I - for Core Area D)

**Area F (18 hours) consists of the following courses listed in the major and related fields**

CHEM 1211/1211L, 1212,1212L - Principles of Chemistry I, II (unless taken to satisfy Area D, in which case replace with 8 hours of lower division electives)

Choose one sequence from:

PHYS 1111/1111L - Introductory Physics I and

PHYS 1112/1112L - Introductory Physics II or

PHYS 2211/2211L - Principles of Physics I and

PHYS 2212/2212L - Principles of Physics II

One hour excess for MATH 1161 from Core Area D

One hour lower division chemistry

**Physical Education** ..... 3 hours

**B. Major Field Course (including Area F\*)** ..... 37 + 9 as Area F = 46 hours

CHEM 1211\*/1211L\*, 1212\*/1212L\* - Principles of Chemistry I, II (unless taken to satisfy Area D, in which case replace with 8 hours of lower division electives)

CHEM 2101/2101L\* - Organic Chemistry I (one hour counts as Area F)

CHEM 2102/2102L - Organic Chemistry II

CHEM 2300 - Chemical Analysis

CHEM 3200/3200L - Inorganic Chemistry and Lab

CHEM 3300 - Instrumental Analysis

CHEM 3401 - Physical Chemistry I

CHEM 3402 - Physical Chemistry II

CHEM 5501U, - Chemistry Seminar I

CHEM 5502U - Chemistry Seminar II

Two courses from:

CHEM 3801 - Biochemistry I

CHEM 4100 - Advanced Organic Chemistry

CHEM 4200 - Advanced Inorganic Chemistry

CHEM 4300 - Advanced Instrumental Analysis

**C. Related Field Courses (including area F\*)** 14 + 9 hours in area F = ..... 23 hours

One hour\* excess for MATH 1161 from Core Area D

ENGL 3720 - Business and Technical Communication

MATH 2072 - Calculus II

MATH 2083 - Calculus III

Choose one sequence\* from:

PHYS 1111/1111L\* - Introductory Physics I and

PHYS 1112/1112L - Introductory Physics II or

PHYS 2211/2211L\* - Principles of Physics I and

PHYS 2212/2212L\* - Principles of Physics II

PHYS 3801/3801L - Optics & Modern Physics and Lab

- D. Electives:** ..... 9 hours  
 Upper-division courses in chemistry or other subjects within the College of Arts and Sciences  
 Free electives (2 semester hours)

**Total Semester Hours**

**123**

**E. Regents Test and Exit Exam**

**PROGRAM FOR THE DEGREE OF BACHELOR OF SCIENCE WITH A MAJOR IN CHEMISTRY (Teacher Certification in Secondary Schools Option)**

**A. General Requirements:**

**Core Areas A, B, C, D, and E** ..... 42 hours  
 (Chemistry majors are required to take MATH 1113 - Pre-calculus Mathematics - for Core Area A and MATH 1161- Calculus I - for Core Area D)

**Area F (18 hours) consists of the following courses listed in the major and related fields**  
 CHEM 1211/1211L, 1212, 1212L - Principles of Chemistry I, II (unless taken to satisfy Area D, in which case replace with 8 hours of lower division electives)

Choose one sequence from:

PHYS 1111/1111L - Introductory Physics I and

PHYS 1112/1112L - Introductory Physics II or

PHYS 2211/2211L - Principles of Physics I and

PHYS 2212/2212L - Principles of Physics II

One hour excess for MATH 1161 from Core Area D

One additional hour in lower division chemistry

**Physical Education** ..... 3 hours

**B. Major Field Course (including Area F\*)** ..... 37 + 9 as Area F = 46 hours

CHEM 1211\*/1211L\*, 1212\*/1212L\* - Principles of Chemistry I, II

(unless taken to satisfy Area D, in which case replace with 8 hours)

CHEM 2101/2101L - Organic Chemistry I (one hour\* counts as Area F)

CHEM 2102/2102L - Organic Chemistry II

CHEM 2300 - Chemical Analysis

CHEM 3200/3200L - Inorganic Chemistry and Lab

CHEM 3300 - Instrumental Analysis

CHEM 3401 - Physical Chemistry I

CHEM 3402 - Physical Chemistry II

CHEM 5501U, - Chemistry Seminar I

CHEM 5502U - Chemistry Seminar II

CHEM 3801 - Biochemistry I

One course from:

CHEM 4100 - Advanced Organic Chemistry

CHEM 4200 - Advanced Inorganic Chemistry

CHEM 4300 - Advanced Instrumental Analysis

**C. Related Field Courses (including area F\*)** ..... 27 + 9 hours in area F = 36 hours

One hour\* excess for MATH 1161 from Core Area D

ENGL 3720 - Business and Technical Communication

CEUG 1010 - Human Growth and Development

CEUG 2100 - Teaching and the Exceptional Child

MGSE 3351 - Secondary School Curriculum & Methods, General

MGSE 4472 - Secondary School Curriculum & Methods, Science

MGSE 4630 - Classroom Management

MGSE 4750 - Student Teaching and Seminar ( semester hours)

Choose one sequence\* from:

PHYS 1111/1111L\* - Introductory Physics I and

PHYS 1112/1112L\* - Introductory Physics II or

PHYS 2211/2211L\* - Principles of Physics I and

PHYS 2212/2212L\* - Principles of Physics II

Total Semester Hours

127

D. Regents Test and Exit Exam

## PROGRAM FOR THE DEGREE OF BACHELOR OF SCIENCE WITH A MAJOR IN APPLIED PHYSICS

### A. General Requirements:

Core Areas A, B, C, D, and E ..... 42 hours

(Applied physics majors are required to take MATH 1113 - Pre-calculus Mathematics - for Core Area A and MATH 1161 - Calculus I - for Core Area D)

Area F (18 hours) consists of the following courses listed in the major and related fields

PHYS 2211/2211L, 2212/2212L - Principles of Physics I, II (unless taken to satisfy Core Area D, in which case replace with 8 hours of lower division electives)

MATH 2072 - Calculus II

MATH 2083 - Calculus III

One hour lower division credit from computer science

Physical Education ..... 3 hours

### B. Major Field Course (including Area F\*) ..... 24 + 8 as Area F = 32 hours

One hour\* excess for MATH 1161 from Core Area D

PHYS 2211/2211L\*, 1212/1212L\* - Principles of Physics I, II (unless taken to satisfy Area D, in which case replace with 8 hours of lower division electives)

PHYS 3100 - Electric Circuit Analysis

PHYS 3120 - Digital Electronics

PHYS 3210 - Intermediate Mechanics or PHYS 4170 - Advanced Mechanics

PHYS 3300 - Thermodynamics or PHYS 3400 - Chemical Thermodynamics

PHYS 3801/3801L - Optics and Modern Physics and Lab

PHYS 3802 - Intermediate Modern Physics

PHYS 4120 - Scientific Measurement with Digital Interfacing

Three semester hours from:

PHYS 3220 - Mechanics of Deformable Bodies

PHYS 3230 - Fluid Mechanics

PHYS 3500 - Diffraction and Crystallography

PHYS 4900 - Independent Study in Physics

PHYS 4950 - Special Topics in Physics

PHYS 4960 - Physics Internship

### C. Related Field Courses (including area F\*) 29 + 10 hours in area F = ..... 39 hours

One hour\* excess for MATH 1161 from Core Area D

MATH 2072\* - Calculus II

MATH 2083\* - Calculus III

CHEM 1211/1211L - Principles of Chemistry I

CHEM 1212/1212L - Principles of Chemistry II

CSCI 1301\* - Introduction to Programming Principles (one hour applies to Area F)

ENGL 3720 - Business and Technical Communication

ENGR 1170 - Engineering Graphics

ENGR 2200 - Statics

MATH 2160 - Linear Algebra

MATH 3411 - Differential Equations

Three semester hours from:

MATH 3422 - Differential Equations II

MATH 3900 - Special Topics in Applied Math

MATH 4610 - Numerical Analysis

D. Electives: ..... 7 hours

Upper-division courses (6 semester hours)

Free elective (1 semester hour)

Total Semester Hours

123

E. Regents Test and Exit Exam

### Minor Concentrations

The minor in Chemistry requires six semester hours in lower division and nine semester hours in upper division chemistry courses. A grade of 'C' or better in each course is required.

The minor in Applied Physics requires six semester hours in lower division and nine semester hours in upper division physics courses. A grade of 'C' or better in each course is required.

The minor in Engineering Studies requires six semester hours in lower division engineering courses plus the following upper division courses: ENGR 3100, ENGR 3200, PHYS 3120. A grade of 'C' or better in each course is required.

The minor in Physical Sciences requires six semester hours in chemistry, physical science or physics plus nine semester hours chosen from ASTR 3100, GEOL 3100, METR 3100, and OCEA 3100. A grade of 'C' or better is required in each course.

### The AASU Engineering Transfer Program

The AASU Engineering Transfer Program offers course work contained in the first two years of the standard engineering curriculum at most accredited engineering schools. After following the suggested course sequence at Armstrong Atlantic, a student should be able to transfer to any ABET accredited engineering school and complete the requirements for a baccalaureate degree in a chosen field of engineering in a total of four to five years, which is the time typical of all engineering students. The program of courses has been constructed with advice from the Georgia Institute of Technology. Students are advised to contact the engineering school of choice on questions of transfer.

### Scholarships in Chemistry

The department offers a limited number of scholarships to chemistry, applied physics and engineering majors. Interested students are invited to inquire in the department office for details.

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## COMPUTER SCIENCE

### Faculty

Greenlaw, Raymond, Department Head

Brubaker, Jerry

Bykat, Alex

Fisk, Len

Jodis, Stephen

Shipley, Charles

White, Laurie

The Department of Computer Science offers a wide range of services to the AASU student. Several computer literacy courses are available to satisfy the general education needs of the student. A minor in computer science can be designed to complement a student's program. A flexible computer science major meets the needs of students with a number of different interests.

**The Computer Science Major:** In recent years this major has equipped many students to step into a broad spectrum of jobs in the computer industry. The degree features a core of courses designed to provide a solid foundation in theoretical computer science as well



as practical programming experience. After finishing the core, students choose from several optional senior level tracks that give an individual focus to the major. At present students may choose from tracks in Application System Development, Computer Systems, Knowledge-Based Systems, Scientific Computing, and Large Software System Development. A variety of internships and cooperative education placements provide students with opportunities for practical experience in the discipline.

**Important Note:** In August of 1991 the computer science major was accredited by the Computer Science Accreditation Commission (CSAC) making the Armstrong program the second accredited program in the state. (The first accredited program in the state is housed at Georgia Institute of Technology). The Computer Science Accreditation Commission is an agent of the Computing Sciences Accreditation Board (CSAB), a specialized accrediting body recognized by the Commission on Recognition of Postsecondary Accreditation (CORPA).

**Co-ops and Internships:** Students are able to compete for cooperative education positions and internships at major Savannah employers such as Gulfstream and Savannah Foods. Such positions provide students in valuable opportunities to acquire practical experience that complements their classroom experience.

**Special Academic Regulations:**

To earn the BS degree with a major in computer science, a student must successfully complete with a grade of 'C' or better all mathematics and computer science courses required in the program of study. To fulfill the prerequisites for any computer science course one must obtain a grade of 'C' (or above) in each prerequisite course except MATH 1111.

**PROGRAM FOR A BACHELOR OF SCIENCE WITH A MAJOR IN COMPUTER SCIENCE:**

**A. General Requirements**

Core Areas A, B, C, D, E ..... 42 Hours

Computer Science majors are required to take MATH 1113 - Pre-calculus Mathematics - in Core Area A and MATH 1161 - Calculus I - in Core Area D.

**Area F (18 hours) consists of the following courses listed in the major and related fields**  
 One semester hour excess for MATH 1161 from Core Area D

CSCI 1301 - Introduction to Programming Principles

CSCI 1302 - Advanced Programming Principles

CSCI 2070 - Ethical Considerations in Computer Science

CSCI 2620 - Discrete Structures for Computer Science

CSCI 2390 - Programming in C++

MATH 2072 - Calculus II

Physical Education ..... 3 Hours

**B. Major Field Courses (including Area F\*) 33 + 13 as Area F = ..... 46 hours**

CSCI 1301\* - Introduction to Programming Principles

CSCI 1302\* - Advanced Programming Principles

CSCI 2070\* - Ethical Considerations in Computer Science

CSCI 2390\* - Programming in C++

CSCI 2620\* - Discrete Structures for Computer Science

CSCI 3201 - Computer Organization and Architecture I

CSCI 3202 - Computer Organization and Architecture II

CSCI 3321 - Software Engineering Concepts

CSCI 3330 - Comparative Languages

CSCI 3341 - Operating Systems I

CSCI 3410 - Algorithms and Data Structure

CSCI 3450 - Introduction to File Structure

Two courses in one of the following tracks:

- a. Application System Development
  - CSCI 4322 - Software Engineering Concepts II
  - CSCI 4720 - Database Systems
- b. Computer Systems
  - CSCI 4220 - Data Communications and Computer Networks
  - CSCI 4342 - Operating Systems Concepts II
- c. Knowledge based Systems
  - CSCI 4820 - Introduction to Artificial Intelligence
  - CSCI 4880 - Introduction to Knowledge-based Systems
- d. Scientific Computing
  - CSCI 4210 - Introduction to Parallel Computing
  - CSCI 4610 - Numerical Analysis
- e. Large Software System Development
  - CSCI 4322 - Software Engineering Concepts
  - CSCI 4350 - Compiler Theory
  - CSCI 4390 - Senior Project
  - CSCI 4830 - Computer Graphics

Project Requirement: All computer science majors must take at least one course from the Large Software System Development track.

Six additional semester hours from 4000-level computer science courses.

**C. Related Field Courses (including area F\*) 23 + 5 hours in area F = ..... 28 hours**

One hour excess for MATH 1161 from Core Area D\*

MATH 2072\* - Calculus II

MATH 3211 - Probability and Mathematical Statistics I

One of the following:

MATH 2160 - Linear Algebra

MATH 3222 - Probability and Mathematical Statistics II

MATH 3460 - Mathematical Modelling and Optimization

MATH 4610 - Numerical Analysis

One of the following CSCI Approved Science Sequences:

BIOL 1107 and 1108 - Biology I, II

CHEM 1211/1211L and 1212/1212L - Principles of Chemistry I, II

PHYS 2211/2211L and 2212, 2212L - Principles of Physics I, II

ENGL 3720 - Business and Technical Communication

At least six additional semester hours from the CSCI Approved Science Sequences; science courses having a CSCI Approved Science Sequence course as a prerequisite; or engineering courses having PHYS 2211 as a prerequisite.

**D. Free Electives ..... 4 hours**

**Total Semester Hours** ..... **123**

**Minor in Computer Science:**

Thirteen semester hours of computer science from CSCI 2390 and courses numbered 3000 or above (excluding CSCI 3960/70/80 and CSCI 3990).

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**GOVERNMENT**

**Faculty**

Donahue, Michael; Department Head  
Murphy, Dennis; Graduate Coordinator

Bennett, Katherine  
Brown, George  
Daugherty, William  
Josi, Don

Kearnes, John  
Megathlin, William  
Rhee, Steve  
Skidmore-Hess, Daniel

The Department of Government embraces the ideal of liberal education and views it as an enlargement of education in related professional areas. As such, all departmental programs and courses are conceptually based so that students will develop the theoretical sophistication to understand and manage the practical realities of the field.

The Department also believes that instructional effectiveness, public service, and scholarly activity are inseparable complements to this curricular integrity. The Department encourages original research by both faculty and students, and supports the enterprise of service through such vehicles as the University's Public Service Center. It is to serve these ends that the Department of Government selects highly qualified educators on the basis of solid academic and professional credentials.

On the AASU campus, the Department offers three associate degree programs in criminal justice (one with peace officer certification), bachelor and master of science degrees in that criminal justice, and a bachelor of arts in political science, with the opportunity for teacher certification or a concentration in public administration. Criminal justice programs are also offered in Liberty County; bachelor programs in both criminal justice and political science are offered at the Brunswick Center at Georgia Coastal Community College. All department majors are required to take an exit examination (the Area Concentration Achievement Test for their respective field) prior to graduation.

**Majors in Criminal Justice**

Both undergraduate and graduate programs are offered in criminal justice. Students may pursue Associate of Applied Science (A.A.S.) degrees in law enforcement, law enforcement with P.O.S.T. certification, or corrections. Majors interested in the associate degree with peace officer certification must also contact the Regional Criminal Justice Training Center located on campus. The Bachelor of Science in Criminal Justice (B.S.C.J.) is available on campus, at the Liberty Center, and at the Brunswick Center. In addition, the Master of Science in Criminal Justice (M.S.C.J.) is offered on campus and at Liberty County.

**PROGRAM FOR ASSOCIATE OF APPLIED SCIENCE, CONCENTRATION IN LAW ENFORCEMENT**

<b>A. General Requirements: Core Areas</b> .....	<b>31 hours</b>
Physical Education .....	2 hours
<b>B. Major Field Courses:</b> .....	<b>29 hours</b>
CRJU 1010 - Introduction to Criminal Justice	
CRJU 1030 - Interpersonal Communication Skills	
CRJU 1200 - Introduction to Law Enforcement	
CRJU 2500 - Criminal Evidence and Procedure	
CRJU 2510 - Introduction to Criminal Law	
CRJU 3210 - Law Enforcement: Structure and Process	
CRJU 5300U - Juvenile Delinquency	
CRJU Electives	

**Total Semester Hours** 62

**C. Regents Test and Exit Examination:** Area Concentration Achievement Test in Criminal Justice for two-year programs

**PROGRAM FOR ASSOCIATE OF APPLIED SCIENCE, CONCENTRATION IN LAW ENFORCEMENT (P.O.S.T. OPTION)**

<b>A. General Requirements: Core Areas</b> .....	<b>31 hours</b>
Physical Education .....	2 hours

- B. Major Field Courses:** ..... 21 hours  
 CRJU 1010 - Introduction to Criminal Justice  
 CRJU 1030 - Interpersonal Communication Skills  
 CRJU 1200 - Introduction to Law Enforcement  
 CRJU 2200 - Criminal Investigation  
 CRJU 2500 - Criminal Evidence and Procedure  
 CRJU 2510 - Introduction to Criminal Law  
 CRJU 3210 - Law Enforcement: Structure and Process
- C. Additional Requirements:** ..... 14 hours  
 CRJU 2700 - Directed Readings in Criminal Justice  
 CRJU 5130U - Political Terrorism  
 CRJU 5300U - Juvenile Delinquency  
 ENGL3720 - Business and Technical Communication  
 PEEC 2000 - Community First Aid and CPR

**Total Semester Hours:** ..... 68

- D. Regents Test and Exit Examination: Area Concentration Achievement Test in Criminal Justice for two-year programs**

### **PROGRAM FOR ASSOCIATE OF APPLIED SCIENCE, CONCENTRATION IN CORRECTIONS**

- A. General Requirements: Core Areas** ..... 31 hours  
 Physical Education ..... 2 hours
- B. Major Field Courses:** ..... 29 hours  
 CRJU 1010 - Introduction to Criminal Justice  
 CRJU 1030 - Interpersonal Communication Skills  
 CRJU 2500 - Criminal Evidence and Procedure  
 CRJU 3400 - Corrections  
 CRJU 3410 - Community-Based Treatment  
 CRJU 5300U - Juvenile Delinquency  
 CRJU 5500U - Law and Legal Process  
 CRJU Electives

**Total Semester Hours:** ..... 62

- Regents Exam and Exit Examination: Area Concentration Achievement Test in Criminal Justice for two-year programs**

### **PROGRAM FOR THE DEGREE OF BACHELOR OF SCIENCE WITH A MAJOR IN CRIMINAL JUSTICE**

- A. General Requirements:**  
 Core Areas A, B, C, D, and E ..... 42 hours  
 Area F (18 hours) consists of the following courses listed in the major and related fields  
 CRJU 1010 - Introduction to Criminal Justice  
 CRJU 1030 - Interpersonal Communication Skills  
 CRJU 2100 - Criminology  
 CRJU 2500 - Criminal Evidence & Procedure  
 CRJU 2510 - Introduction to Criminal Law  
 MATH 2200 - Elementary Statistics  
 Physical Education ..... 3 hours
- B. Major Field Course (including Area F\*)** 21 + 15 as Area F = ..... 36 hours  
 CRJU 1010\* - Introduction to Criminal Justice  
 CRJU 1030\* - Interpersonal Communication Skills  
 CRJU 2100\* - Criminology  
 CRJU 2500\* - Criminal Evidence & Procedure

- CRJU 2510\* - Introduction to Criminal Law
- CRJU 3100 - Research Methods
- CRJU 3210 - Law Enforcement: Structure & Process
- CRJU 3400 - Corrections
- CRJU 4800 - Internship I (six semester hours)
- CRJU 5300U - Juvenile Delinquency
- CRJU 5500U - Law and Legal Process
- Capstone course: CRJU 4900 - Directed Research in Criminal Justice or CRJU 4910 - Seminar in Criminal Justice

**C. Related Field Courses (including area F\*) 6 + 3 hours in area F = ..... 9 hours**  
 MATH 2200\* - Elementary Statistics  
 PUBL/POLS 2601 - Foundations of Public Administration  
 SOCI 1101 - Introductory Sociology or PSYC 1101 - General Psychology

**D. Approved electives: ..... 18 hours**  
 15 hours of approved electives at the 3000+ level

**E. Free Electives: ..... 15 hours**

**Total Semester Hours: 123**

**F. Regents Test and Exit Exam: Area concentration Achievement Test in Criminal Justice for four-year programs**

**Political Science Majors**

The Bachelor of Arts in Political Science (B.A.P.S.) may take three forms: Political Science, Political Science with Teacher Certification, and Political Science with a concentration in Public Administration. Beyond core curriculum requirements, the BAPS requires 33 hours of upper division courses in political science (including course work in political institutions, comparative government, international relations, and political theory) and 26 hours of electives. A foreign language or a computer language sequence is also required. Students considering graduate school should take the foreign language option and continue their linguistic study beyond the 2001 level. The Bachelor of Arts with teacher certification requires 21 hours of political science, 36 hours of education and other social science course work, and nine hours of electives. The Bachelor of Arts with a concentration in Public Administration requires 15 hours in political science, 34 hours in public administration and 26 hours of electives.

**PROGRAM FOR THE DEGREE OF BACHELOR OF ARTS IN POLITICAL SCIENCE**

**A. General Requirements:**

**Core Areas A, B, C, D, and E ..... 42 hours**

**Area F (18 hours) consists of the following courses listed in the major and related fields**

- POLS 2100 - Introduction to Political Science
- PHIL 2201 - Introduction to Philosophy or SOCI 1101 - Introductory Sociology

One of the following:

- POLS 2201 - State and Local Government
- PUBL/POLS 2601 - Foundations of Public Administration

MATH 2200 - Elementary Statistics

One course selected from:

- ANTH 1102 - Introduction to Anthropology
- ECON 2106 - Microeconomics
- GEOG 2120 - Cultural Geography
- HIST 1112 - Civilization II

Six hours of a foreign language sequence numbered 1002 or above or six hours of a computer language

**Physical Education ..... 3 hours**

**B. Major Field Course (including Area F\*) ..... 37 + 6 as Area F = 43 hours**

POLS 2100\* - Introduction to Political Science

POLS/PUBL 2150 - Careers in Political Science & Public Administration

One of the following:

POLS 2201\* - State and Local Government

PUBL/POLS 2601\* - Foundations of Public Administration

Six courses (18 semester hours) from the following with at least one course from each area:

**American Political Institutions:**

POLS 3170 - Constitutional Law and the Federal System

POLS 3180 - Constitutional Civil Liberties

PUBL/POLS 3990 - Special Topics in Public Administration/Political Science

PUBL/POLS 4010 - Politics of Budgetary Process

POLS 4100 - Independent Study in American Government

PUBL/POLS 4030 - Public Policy Development

PUBL/POLS 4050 - Principles of Public Management

POLS 4100 - Independent Study in American Government

POLS 4120 - Congress and Political Parties

POLS 4150 - American Supreme Court

POLS 4180 - Administrative Law

POLS 5120U - Congress and Political Parties

CRJU/POLS 5500U - Law and Legal Process

CRJU 3100 - Research Methods

**Political Theory:**

POLS 3300 - Political Philosophy: Ancient and Medieval

POLS 3310 - Modern Political Philosophy

POLS 3320 - American Political Thought

POLS 3330 - Contemporary Political Thought

**International Relations:**

POLS 3210 - International Relations: East Asia

POLS 3260 - International Law

POLS 4200 - Independent Study in International Relations

POLS 4280 - Seminar in Global Politics

POLS 4290 - American Foreign Policy

POLS 5280U - Seminar in Global Politics

CRJU/POLS 5130U - Political Terrorism

**Comparative Politics:**

POLS 3420 - Politics of Underdevelopment: Africa and Latin America

POLS 3460 - Government of East Asia

POLS 3480 - Governments of Western Europe

POLS 3490 - Political Transformation of the Former Soviet Union

POLS 4400 - Independent Study in Comparative Government

POLS 5520 - Comparative Judicial Systems

15 hours of Political Science Electives

Capstone Course: POLS 4950 - Seminar in Political Science

**C. Related Field Courses (including area F\*)0 + 12 hours in area F = ..... 12 hours**

6 hours of Foreign Language\* (1002 or above) or 6 hours of computer language\*

PHIL 2201\* - Introduction to Philosophy or SOCI 1101 - Introductory Sociology

MATH 2200\* - Elementary Statistics

One course\* selected from:

ANTH 1102\* - Introduction to Anthropology

ECON 2106\* - Microeconomics

GEOG 2120\* - Cultural Geography

HIST 1112\* - Civilization II

D. Electives: ..... 23 hours  
 Including a minimum of 15 hours of upper division courses

Total Semester Hours: 123

E. Regents Exam and Exit Exam: Area Concentration Achievement Test in Political Science

**PROGRAM FOR THE DEGREE OF BACHELOR OF ARTS IN POLITICAL SCIENCE (CONCENTRATION IN PUBLIC ADMINISTRATION)**

**A. General Requirements:**

Core Areas A, B, C, D, and E ..... 42 hours

Area F (18 hours) consists of the following courses listed in the major and related fields

POLS 2100 - Introduction to Political Science

MATH 2200 - Elementary Statistics

Foreign Language – six hours above 1001 or six hours of computer language

One of the following:

POLS 2201 - State and Local Government

PUBL/POLS 2601 - Foundations of Public Administration

One course selected from:

ANTH 1102 - Introduction to Anthropology

ECON 2106 - Microeconomics

GEOG 2120 - Cultural Geography

HIST 1112 - Civilization II

PHIL 2201 - Introduction to Philosophy

SOCI 1101 - Introductory Sociology

Physical Education ..... 3 hours

**B. Major Field Course (including Area F\*) ..... 31 + 6 as Area F = 37 hours**

POLS 2100\* - Introduction to Political Science

POLS/PUBL 2150 - Careers in Political Science & Public Administration

One of the following:

POLS 2201\* - State and Local Government

PUBL/POLS 2601\* - Foundations of Public Administration

POLS/PUBL 4010 - Politics in Budgetary Process

POLS/PUBL 4030 - Public Policy Development

POLS/PUBL 4050 - Principles of Public Management

POLS/PUBL 4180 - Administrative Law

POLS 4950 - Seminar in Political Science

Fifteen (15) elective upper division hours in POLS/PUBL with at least three (3) credits in each of the following four areas:

**American Political Institutions:**

POLS 3170 - Constitutional Law and the Federal System

POLS 3180 - Constitutional Civil Liberties

PUBL/POLS 3990 - Special Topics in Public Administration/Political Science

PUBL/POLS 4010 - Politics of Budgetary Process

POLS 4100 - Independent Study in American Government

PUBL/POLS 4030 - Public Policy Development

PUBL/POLS 4050 - Principles of Public Management

POLS 4100 - Independent Study in American Government

POLS 4120 - Congress and Political Parties

POLS 4150 - American Supreme Court

POLS 4180 - Administrative Law

POLS 5120U - Congress and Political Parties

CRJU/POLS 5500U - Law and Legal Process

CRJU 3100 - Research Methods

**Political Theory:**

- POLS 3300 - Political Philosophy: Ancient and Medieval
- POLS 3310 - Modern Political Philosophy
- POLS 3320 - American Political Thought
- POLS 3330 - Contemporary Political Thought

**International Relations:**

- POLS 3210 - International Relations: East Asia
- POLS 3260 - International Law
- POLS 4200 - Independent Study in International Relations
- POLS 4280 - Seminar in Global Politics
- POLS 4290 - American Foreign Policy
- POLS 5280U - Seminar in Global Politics
- CRJU/POLS 5130U - Political Terrorism

**Comparative Politics:**

- POLS 3420 - Politics of Underdevelopment: Africa and Latin America
- POLS 3460 - Government of East Asia
- POLS 3480 - Governments of Western Europe
- POLS 3490 - Political Transformation of the Former Soviet Union
- POLS 4400 - Independent Study in Comparative Government
- POLS 5520 - Comparative Judicial Systems

**C. Related Field Courses (including area F\*) 3 + 12 hours in area F = ..... 15 hours**

MATH 2200\* - Elementary Statistics

CRJU 3100 - Research Methods

Two courses in a foreign language\* 1002 or above, or two courses in a computer\* language

One course\* selected from:

ANTH 1102\* - Introduction to Anthropology

ECON 2106\* - Microeconomics

GEOG 2120\* - Cultural Geography

HIST 1112\* - Civilization II

PHIL 2201\* - Introduction to Philosophy

SOC 1101\* - Introductory Sociology

**D. Electives: ..... 26 hours**

Includes a minimum of 15 hours of upper division courses

**Total Semester Hours:****123****E. Regents Test and Exit Exam: Area of Concentration Achievement Test in Political Science****PROGRAM FOR THE DEGREE OF BACHELOR OF ARTS IN POLITICAL SCIENCE WITH TEACHER CERTIFICATION****A. General Requirements:****Core Areas A, B, C, D, and E ..... 42 hours****Area F (18 hours) consists of the following courses listed in the major and related fields**

POLS 2100 - Introduction to Political Science

MATH 2200 - Elementary Statistics

Foreign Language – six hours 1002 or above, or six hours of computer language

One\* of the following:

POLS 2201 - State and Local Government

POLS 2290 - Foundations of International Relations

One course selected from:

ANTH 1102 - Introduction to Anthropology

ECON 2106 - Microeconomics



GEOG 2120 - Cultural Geography  
 HIST 1112 - Civilization II  
 PHIL 2201 - Introduction to Philosophy  
 SOCI 1101 - Introductory Sociology

Physical Education ..... 3 hours

**B. Major Field Course (including Area F\*) ..... 21 + 6 as Area F = 27 hours**

POLS 2100\* - Introduction to Political Science

One of the following:

POLS 2201\* - State and Local Government  
 POLS 2290\* - Foundations of International Relations

Six courses from the four areas below with at least one course from each area:

**Area I: American Political Institutions**

POLS 3170 - Constitutional Law and the Federal System  
 POLS 3180 - Constitutional Civil Liberties  
 PUBL/POLS 4010 - Politics of Budgetary Process  
 PUBL/4030 - Public Policy Development  
 PUBL/POLS 4050 - Principles of Public Management  
 POLS 4100 - Independent Study in American Government  
 POLS 4110 - American Presidency  
 POLS 4120 - Congress and Political Parties  
 POLS 4150 - American Supreme Court  
 POLS 4180 - Administrative Law  
 POLS 5120U - Congress and Political Parties

**Area II. Political Theory**

POLS 3300 - Political Philosophy: Ancient and Medieval  
 POLS 3310 - Modern Political Philosophy  
 POLS 3320 - American Political Thought  
 POLS 3330 - Contemporary Political Thought

**Area III. International Relations**

POLS 3210 - International Relations: East Asia  
 POLS 3260 - International Law  
 POLS 4200 - Independent Study in International Relations  
 POLS 4280 - Seminar in Global Politics  
 POLS 4290 - American Foreign Policy  
 POLS 5280U - Seminar in Global Politics  
 CRJU/POLS 5130U - Political Terrorism

**Area IV. Comparative Politics**

POLS 3420 - Politics of Underdevelopment: Africa and Latin America  
 POLS 3460 - Government of East Asia  
 POLS 3480 - Governments of Western Europe  
 POLS 3490 - Political Transformation of the Former Soviet Union  
 POLS 4400 - Independent Study in Comparative Government  
 POLS 4520 - Comparative Judicial Systems

Capstone course: POLS 4950 - Seminar in Political Science

**C. Related Field Courses (including area F\*) ..... 33 + 12 hours in area F = 45 hours**

MATH 2200\* - Elementary Statistics

One course\* selected from:

ANTH 1102\* - Introduction to Anthropology  
 ECON 2106\* - Microeconomics  
 GEOG 2120\* - Cultural Geography  
 HIST 1112\* - Civilization II  
 PHIL 2201\* - Introduction to Philosophy  
 SOCI 1101\* - Introductory Sociology

Two courses in a foreign language\* or two courses in a computer language\*

- CEUG 1010 - Human Growth and Development  
 CEUG 2100 - Teaching and the Exceptional Child  
 MGSE 3351 - Secondary School Curriculum and Methods, General  
 MGSE 4492 - Secondary School Curriculum and Methods, Social Science  
 MGSE 4630 - Classroom Management  
 MGSE 4750 - Student Teaching & Seminar (9 semester hours)  
 Two upper division courses from an approved social science related field  
 One course from: (or an approved elective if taken in Areas B or E)  
 HIST 1111 - Civilization I  
 HIST 1112/1112H - Civilization II/ Honors  
 HIST 2111 - History of America to 1877  
 HIST 2112 - History of America to 1965

D. Electives: ..... 6 hours

**Total Semester Hours:** ..... 123

**E. Regents Test and Exit Exam**

**Minor Concentrations**

The Department of Government offers five minor concentrations. Minors, in addition to grades of 'C' or better in each course, require:

- A. Minor in Criminal Justice: ..... 18 hours  
 CRJU 1010, CRJU 3210, CRJU 3300, CRJU 3400, CRJU 5500, and any upper-division course(s) in CRJU other than internship.
- B. Minor in Legal Studies: ..... 18 hours  
 POLS 3180, CRJU/POLS 5500, and any four of the following:  
 POLS 3170, POLS 4150, PUBL/POLS 4180, CRJU/POLS 5520, CRJU 4500, or CRJU 4510
- C. Minor in Transnational Crime: ..... 16 hours  
 CRJU 1010, CRJU 3120, CRJU 3210, CRJU 4110, CRJU/POLS 5520, and either CRJU/POLS 5130 or CRJU 5200
- D. Minor in Political Science: 15 hours of 3000+ level course work, with at least one course from each of the four areas of concentration:  
 American Political Institutions: POLS 3170, POLS 3180, POLS 4100, POLS 4110, POLS 4120, POLS 4150  
 International Affairs: POLS 3210, POLS 3260, POLS 4200, POLS 4280, POLS 4290, POLS 5130  
 Political Theory: POLS 3300, POLS 3310, POLS 3320, POLS 3330, POLS 4300  
 Comparative Government: POLS 3420, POLS 3450, POLS 3460, POLS 3480, POLS 3490, POLS 4400, POLS 4520
- E. Minor in Public Administration: ..... 15 hours  
 PUBL 2250, PUBL 4010, PUBL 4030, PUBL 4050, and CRJU 3100

## HISTORY

### Faculty

White, Nancy, Department Head  
 Hendricks, Christopher, Graduate Coordinator

Arens, Olavi  
 Burnett, Robert  
 Fertig, Barbara  
 Finlay, Mark  
 Gleeson David  
 Hall, Michael  
 Hopkins, June

Howard, Thomas F.  
 Price, Michael  
 Pruden, George  
 Robinson, Howard  
 Stone, Janet  
 Yentsch, Anne

## The History Major

The major in history may take either of two forms: History *per se* or History with Broad Field Certification. The latter prepares and credentials graduates to teach at the secondary level in both public and private institutions. The former prepares graduates for entry level employment in such areas as government, public and/or community service, and business as well as to pursue graduate study in the field of history and other professional programs (law or business).

Students who major in history are required to complete six semester hours of a foreign language sequence, or demonstrate proficiency in a foreign language offered by the University through the intermediate level one. Students should begin their language sequence as soon as possible and certainly not later than their junior year. Students should plan their programs of study carefully in consultation with a faculty advisor and students who change majors, or who transfer, may find it necessary to enroll beyond the traditional eight semesters if the degree requirements including foreign language cannot be fulfilled within that time.

In addition to meeting minimum requirements for either program, students contemplating graduate work in history are strongly advised to continue their linguistic study beyond the 2001 level. Students with a double major, where computer science is a language choice, may substitute computer science for a foreign language requirement in history.

Either form of the major requires HIST 4500 (Methods), HIST 4900 or 4910, 4920 or 4930 (Seminar), and HIST 4960 or 4970 (Historiography). In choosing the remainder of their advanced courses students may choose to concentrate in one particular area of History (e.g. European, American, or Non-Western), providing they diversify to the extent of completing at least six hours outside that area.

The B.A. History major is offered both day and evening hours on the AASU campus, and in the evenings at the Brunswick Center (Georgia Coastal Community College) - except for HIST 4500, HIST 4960 and 4970, and the Seminars listed above. These requirements must be completed on campus. The B.G.S. with a History concentration is fully available at both locations.

## Honors in History

See HIST 1192 - Honors Civilization II - for detailed information.

See HIST 4990 - Senior Thesis in History for detailed information

Also see University Honors Program

## Scholarships in History

Limited scholarship aid is available annually. Interested students are invited to inquire in the department office for details.

## PROGRAM FOR THE DEGREE OF BACHELOR OF ARTS WITH A MAJOR IN HISTORY

### A. General Requirements:

Core Areas A, B, C, D, and E ..... 42 hours

Area F (18 hours) consists of the following courses listed in the major and related fields

HIST 2111 - History of America to 1877 (If taken to satisfy core area E, substitute a humanities or social science course at the 1000 or 2000 level.)

HIST 2112 - History of America since 1865 (If taken to satisfy core area E, substitute a humanities or social science course at the 1000 or 2000 level.)

Foreign Language 1002 - Elementary Language II

Foreign Language 2001 - Intermediate Language I

One course selected from:

- HIST 1111 - Civilization I (If taken to satisfy core area B or E, substitute an approved global perspectives course.)
- HIST 1112 - Civilization II (If taken to satisfy core area B or E, substitute an approved global perspectives course.)
- HIST 1112H - Honors Civilization II (If taken to satisfy core area B or E, substitute an approved global perspectives course.)

One course selected from:

- MATH 1113 - Precalculus
  - MATH 1161 - Calculus
  - MATH 2200 - Elementary Statistics
  - MATH 2900 - Spirit and Structure of Math
  - CSCI 1050 - Computer Concepts and Applications
- (If a math or computer science course is taken to satisfy area D, a humanities or social sciences course may be substituted.)

**Physical Education ..... 3 hours**

**B. Major Field Courses (including Area F\*) ..... 27 + 9 as Area F = 36 hours**

HIST 1111 - Civilization I (If taken to satisfy core area B or E, substitute an approved global perspectives course.)

HIST 1112 - Civilization II (If taken to satisfy core area B or E, substitute an approved global perspectives course.) or

HIST 1112H - Honors Civilization II (If taken to satisfy core area B or E, substitute an approved global perspectives course.)

HIST 2111\* - History of America to 1877 (If taken to satisfy core area E, substitute a humanities or social science course at the 1000 or 2000 level.)

HIST 2112\* - History of America since 1865 (If taken to satisfy core area E, substitute a humanities or social science course at the 1000 or 2000 level.)

HIST 4500 - Historical Methods

One course from:

- HIST 4900 - Non-Western
- HIST 4910 - Russian
- HIST 4920 - European
- HIST 4930 - American

One course from:

- HIST 4960 - American Historiography
- HIST 4970 - European Historiography

Six other History courses at the 3000 level or above

**C. Related Field Courses (including area F\*) 18 + 9 hours in area F = ..... 27 hours**

Foreign Language 1102\* - Elementary Language II

Foreign Language 2201\* - Intermediate Language I

One course\* selected from:

- MATH 1113 - Precalculus
- MATH 1161 - Calculus
- MATH 2200 - Elementary Statistics
- MATH 2900 - Spirit and Structure of Math
- CSCI 1050 - Computer Concepts and Applications
- One Public History course (3000 or above)

Six semester hours chosen from the Social Sciences and/or the Humanities excluding History (upper or lower division).

At least nine semester hours at the 3000 level or above chosen from the Social Sciences, and/or the Humanities, and/or Public History.

D. Electives: ..... 15 hours

Total Semester Hours ..... 123

E. Regents Test and Exit Exam

**PROGRAM FOR THE DEGREE OF BACHELOR OF ARTS IN HISTORY WITH BROAD-FIELD CERTIFICATION**

**A. General Requirements**

Core Areas A, B, C, D, and E ..... 42 hours

Area F (18 hours) consists of the following courses listed in the major and related fields

One course\* selected from:

HIST 2111 - History of America to 1877 (If taken to satisfy core area E, substitute a social science course at the 1000 or 2000 level.)

HIST 2112 - History of America since 1865 (If taken to satisfy core area E, substitute a social science course at the 1000 or 2000 level.)

Foreign Language 1002 - Elementary Language II

Foreign Language 2001 - Intermediate Language I

Math 2200 - Elementary Statistics (If taken to satisfy core area D, substitute an approved social science course).

One course selected from:

HIST 1111 - Civilization I (If taken to satisfy core area B or E, substitute an approved global perspectives course.)

HIST 1112 - Civilization II (If taken to satisfy core area B or E, substitute an approved global perspectives course.)

HIST 1112H - Honors Civilization II (If taken to satisfy core area B or E, substitute an approved global perspectives course.)

CEUG 1010 - Human Growth and Development

Physical Education ..... 3 hours

**B. Major Field Course (including Area F\*) ..... 27 + 6 as Area F = 33 hours**

HIST 1111 - Civilization I (If taken to satisfy core area B or E, substitute an approved global perspectives course.)

HIST 1112 - Civilization II (If taken to satisfy core area B or E, substitute an approved global perspectives course.) or

HIST 1112H - Honors Civilization II (If taken to satisfy core area B or E, substitute an approved global perspectives course.)

One course\* selected from:

HIST 2111 - History of America to 1877 (If taken to satisfy core area E, substitute a social science course at the 1000 or 2000 level.)

HIST 2112 - History of America since 1865 (If taken to satisfy core area E, substitute or social science course at the 1000 or 2000 level.)

One course selected from: (as determined by whether HIST 2111 or HIST 2112 is taken above)

HIST 3710 - Colonial and Revolutionary America

HIST 3770 - U. S. History 1917-1960

HIST 4500 - Historical Methods

One course selected from:

HIST 4900 - Non-Western

HIST 4910 - Russian

HIST 4920 - European

HIST 4930 - American

One course from:

HIST 4960 - American Historiography

HIST 4970 - European Historiography

- One approved American history course
- Two approved European history courses
- Two approved nonwestern history courses

**C. Related Field Courses (including area F\*) 33 + 12 hours in area F = ..... 45 hours**

- Foreign Language 1002\* - Elementary Language II
- Foreign Language 2001\* - Intermediate Language I
- MATH 2200\* - Elementary Statistics (If taken to satisfy Core Area D substitute an approved social science course)

One course selected from:

- ECON 3100 - Multinational Economics Enterprises
- ECON 3200 - International Trade
- ECON 4310 - International Financial Institutions
- ECON 4450 - Comparative Economics Systems

One course selected from:

- GEOG 1111 - Physical Geography
- GEOG 2120 - Cultural Geography
- CEUG 1010\* - Human Growth and Development
- CEUG 2100 - Teaching and the Exceptional Child
- MGSE 3351 - Secondary School Curriculum & Methods, General
- MGSE 4492 - Secondary School Curriculum & Methods, Social Science
- MGSE 4630 - Classroom Management
- MGSE 4750 - Student Teaching & Seminar (9 semester hours)

Two approved social science courses

**Total Semester Hours**

**123**

**E. General Education Exit Exam and Major Field Exit Exam**

**Minor Concentrations**

The Department of History offers a number of minor concentrations.

A minor in History has great practical value. Its notation on the transcript indicates to an employer that the applicant has some solid liberal arts background with its accompanying insight into the development and functioning of modern society, and that the applicant has made an extra effort to refine research and writing skills so essential to dealing with that society. Whatever the major one chooses, such a minor will strengthen the student's academic record.

Students who hope to work in history-related fields upon graduation should consider adding a minor in Public History, or in Historical Archaeology. Through these programs unique opportunities are provided for qualified students to gain practical experience while making a realistic assessment of the possibilities offered by their field of interest. Cooperative arrangement with Historic Savannah Foundation, Georgia Historical Society, Savannah Landmark Project, Oatland Island Center, and with a number of museums and historical sites, such as Telfair Academy, Ft. Pulaski, Juliette Low Center, Wormsloe Plantation, and Ft. King George, permit placement of students in positions relating to: (a) archival and manuscript curation, (b) historic site administration and interpretation, (c) museum studies, (d) historic preservation, and (e) historical archaeology.

Additional minor concentrations are offered jointly with the Department of Government in International Studies and Russian Studies.

Minors, in addition to grades of 'C' or better in each course, require the following:

- A. History ..... 15 hours
  - Appropriate lower division survey course
  - Fifteen hours of 3000 or 4000 level HIST courses

- B. Historical Archaeology ..... 15 hours  
 HIST/PBHS/ANTH 3820, 5720, 5740  
 Six hours from the following:  
 HIST 3760, 3710, 4500, 5510, 5560, 5570
- C. International Studies ..... 15 hours  
 Consult History and/or Government Departments for Program of Study.
- D. Public History ..... 15 hours  
 HIST 4500, PBHS 4980  
 Nine hours from the following:  
 PBHS 3800, 3820, 5810, 5830, 5850, 5750
- E. Russian Studies ..... 15 hours  
 Consult History and/or Government for Program of Study

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## LANGUAGES, LITERATURE, AND PHILOSOPHY

### Faculty

Parham, Robert, Department Head

Andrews, Carol

Baker, Christopher

Blossman, Ellen

Canning, Rick

Clancy Frank

Cooksey, Thomas

Cottrell, Isabel

Deaver, Williams

Holcomb, Gary

Hollinger, Karen

Jamison, Carol

Martin, William

Noble, David

Nordenhaug, Erik

Nordquist, Richard

Raines, Helon

Sconduto, Leslie

Smith, James

Townsend, Dabney

Welsh, John

Winterhalter, Teresa

### English Composition

Entering students should begin the required English core sequence in their initial semester of attendance. Students must not delay beginning this sequence beyond their second semester of attendance. Students must enroll in the appropriate course in the core sequence and do so each semester until they complete the sequence and pass the Regents Test. ENGL 1101, 1102, and 2100 courses may not be dropped without permission of the Department Head. Students who do drop these courses without Department Head's approval will receive a failing grade in the class.

### Exemptions from Core English

Students who wish credit exemption for ENGL 1101 must take the CLEP Freshman College Composition (with Essay) examination and make a score of 49 (grade equivalent of a 'B') and pass the essay portion of the test. Students who wish a credit exemption for English 1102 must take the CLEP Analysis and Interpretation of Literature and Essay examination and make a score of 55 (Grade equivalent of 'B') and pass the essay portion of the test. Students who score a '3' or higher on the AP exam (English: Literature and Composition or Literature and Composition), or who win an NCTE Writing Award, will have their ENGL 1101 requirement waived and will automatically gain entrance into ENGL 1102H. These students are strongly urged to complete their remaining graduation hours by subsequently enrolling in English 2100H and an upper-level writing class such as ENGL 3720 (Technical and Business Communication) or ENGL 4700 (Advanced Composition).

**English Composition Transfer Credit**

Transfer students from outside the University System of Georgia who have not yet completed the required English composition (ENGL 1101, 1102) should arrange a placement interview through the department office. The interviewer will evaluate student transcripts for English credits, administer the English Placement Test (if necessary), provide information on the composition sequence and the Georgia Regents Test, and determine placement in the appropriate composition course.

**Foreign Languages**

Students who, while enrolled at Armstrong Atlantic State University, take their foreign language courses on another campus must pass an appropriate national standardized test with a score not lower than the 60 percentile on each part to receive credit for foreign language 1002 and/or 2001. Students who wish a credit exemption for German must make a score of 44 (Grade equivalent of a 'B') and make a 'C' or higher in GRMN 2001. For further information students should contact the Department Head, or Ms. Benson in the Counseling and Placement office.

**Satisfying Core Requirements**

Students majoring in English should satisfy the college core requirements for the Bachelor of Arts degree during the freshman and sophomore years.

**The 'C' Average for Courses in Major and Minor**

Students must earn a grade of 'C' or better in each upper-level course included in any major or minor area.

**CPC Requirement**

The CPC deficiency in foreign languages may be fulfilled by successfully completing any of the 1000-level courses in Spanish, French, Latin, or German with a final course grade of 'C' or better.

**PROGRAM FOR THE DEGREE OF BACHELOR OF ARTS WITH A MAJOR IN ENGLISH**

**A. General Requirements**

<b>Core Areas A, B, C, D, and E</b> .....	<b>42 hours</b>
<b>Area F (18 hours) consists of the following courses listed in the major and related fields</b>	
ENGL 2100 - Literature and Humanities (unless taken in area C)	
One course selected from	
ENGL 2111 - World Literature I	
ENGL 2112 - World Literature II	
One course (two if ENGL 2100 is taken in area C) selected from	
ENGL 2121 - British Literature I	
ENGL 2122 - British Literature II	
ENGL 2131 - American Literature I	
ENGL 2132 - American Literature II	
Foreign Language 1002 - Elementary Language II	
Foreign Language 2001 - Intermediate Language	
COMM 2280 - Speech Communication	
<b>Physical Education</b> .....	<b>3 hours</b>



**B. Major Field Course (including Area F\*) 39 + 9 as Area F = ..... 48 hours**

ENGL 2100\* - Literature and Humanities (unless taken in area C)

One course\* selected from

ENGL 2111 - World Literature I

ENGL 2112 - World Literature II

One course\* (two\* if ENGL 2100 is taken in area C) selected from

ENGL 2121 - British Literature I

ENGL 2122 - British Literature II

ENGL 2131 - American Literature I

ENGL 2132 - American Literature II

Two courses selected from

ENGL 2121 - British Literature I

ENGL 2122 - British Literature II

ENGL 2111 - World Literature I

ENGL 2112 - World Literature II

ENGL 2131 - American Literature I

ENGL 2132 - American Literature II

ENGL 3010 - Literary Studies

Two courses selected from:

ENGL 5440U - Early English Literature

ENGL 5450U OR 5460U - Shakespeare I or II

ENGL 5470U - British Poetry and Prose: 1603-1689

ENGL 5500U - 18th Century British Poetry and Prose

ENGL 5520U - 19th Century British Romantic Poetry and Prose I

Two courses selected from:

ENGL 5200U - Postcolonial Literature

ENGL 5380U - Southern Literature

ENGL 5350U - African American Literature

ENGL 5530U - 19th Century British Victorian Poetry and Prose II

ENGL 5540U - Modernism

ENGL 5550U - Contemporary Literature

Two courses selected from:

ENGL 5360U - American Novel

ENGL 5370U - American Poetry

ENGL 5400U - British Poetry

ENGL 5410U - The British Novel

ENGL 5560U - British Drama: Beginning to 1630

ENGL 5570U - British Drama: 1630-1800

ENGL 5650U - British, American, and Continental Drama

ENGL 5660U - Ancient Epic and Drama

FILM/THEA 3510U - Film and Literature

Two courses selected from:

ENGL 3720 - Business and Technical Communications

ENGL 4700 - Advanced Composition

ENGL 4740 - Creative Writing (Poetry)

ENGL 4750 - Creative Writing (Fiction)

ENGL 5760U - Literary Non-fiction

ENGL 5800U - Advanced Grammar

ENGL 5820U - History of the English Language

One course selected from:

- ENGL 5730U - Rhetoric
- ENGL 5830U - History of Criticism
- ENGL 5840U - Literary Theory
- FILM/THEA 3360 - Critical Approaches to Mass Culture
- ENGL 5990U - Capstone Seminar

**C. Related Field Courses (including area F\*) 3 + 9 hours in area F = ..... 12 hours**

- Foreign Language 1002\* - Elementary Language II
- Foreign Language 2001\* - Intermediate Language
- Foreign Language 2002 - Intermediate Language II
- COMM 2280\* - Speech Communication

**D. Electives: ..... 18 hours**

Fifteen (15) semester hours of upper-division courses

**Total Semester Hours**

**123**

**E. Regents Test and Exit Exam**

**PROGRAM FOR THE DEGREE OF BACHELOR OF ARTS WITH A MAJOR IN ENGLISH (WITH TEACHER CERTIFICATION)**

**A. General Requirements**

**Core Areas A, B, C, D, and E ..... 42 hours**

**Area F (18 hours) consists of the following courses listed in the major and related fields**

- ENGL 2100 - Literature and Humanities (unless taken in area C)
- CEUG 1010 - Human Growth and Development
- CEUG 2100 - Teaching and the Exceptional Child
- Foreign Language 1002 - Elementary Language II
- Foreign Language 2001 - Intermediate Language
- COMM 2280 - Speech Communication

**Physical Education ..... 3 hours**

**B. Major Field Course (including Area F\*) ..... 36 + 3 as Area F = 39 hours**

ENGL 2100\* - Literature and Humanities (If used to satisfy area C, take all six from the following list)

Five courses selected from:

- ENGL 2111 - World Literature I
- ENGL 2112 - World Literature II
- ENGL 2121 - British Literature I
- ENGL 2122 - British Literature II
- ENGL 2131 - American Literature
- ENGL 2132 - American Literature II
- ENGL 3010 - Literary Studies
- ENGL 3020 - Composition Studies

One course selected from:

- ENGL 5400U - British Poetry
- ENGL 5410U - The British Novel
- ENGL 5440U - Early English Literature
- ENGL 5450U or 5460U - Shakespeare I or II
- ENGL 5470U - 17th Century British Poetry and Prose
- ENGL 5500U - 18th Century British Poetry and Prose
- ENGL 5520U - 19th Century British Poetry and Prose I
- ENGL 5530U - 19th Century British Poetry and Prose II
- ENGL 5560U - British Drama I or ENGL 5570U - British Drama II

One course selected from:

- ENGL 5350U - African American Literature

- ENGL 5360U - American Novel
- ENGL 5370U - American Poetry
- ENGL 5380U - Southern Literature
- ENGL 5540U - Modernism

One course selected from:

- ENGL 5800U - Advanced Grammar
- ENGL 5820U - History of the English Language

Two courses selected from:

- Any upper division English course
- MGSE 4180 - Young Adult Literature

**C. Related Field Courses (including area F\*) 24 + 15 hours in area F = ..... 39 hours**

- Foreign Language 1002\* - Elementary Language II
- Foreign Language 2001\* - Intermediate Language I
- Foreign Language 2002 - Intermediate Language II
- COMM 2280\* - Speech Communication
- CEUG 1010\* - Human Growth and Development
- CEUG 2100\* - Teaching and the Exceptional Child
- MGSE 3351 - Secondary School Curriculum and Methods
- MGSE 4280 - Teaching Literacy .
- MGSE 4392 - Secondary School Curriculum and Methods, English
- MGSE 4630 - Classroom Management
- MGSE 4750 - Student Teaching and Seminar (9 semester hours)

**Total Semester Hours**

**123**

**E. Regents Test and Exit Exam**

**PROGRAM FOR THE DEGREE OF BACHELOR OF ARTS WITH A MAJOR IN ENGLISH (COMMUNICATIONS)**

**A. General Requirements:**

**Core Areas A, B, C, D, and E ..... 42 hours**

**Area F (18 hours) consists of the following courses listed in the major and related fields**

ENGL 2100 - Literature and Humanities (unless taken in area C)

One course selected from:

- ENGL 2111 - World Literature I
- ENGL 2112 - World Literature II

One course (two if ENGL 2100 is taken in area C) selected from:

- ENGL 2121 - British Literature I
- ENGL 2122 - British Literature II
- ENGL 2131 - American Literature I
- ENGL 2132 - American Literature II

Foreign Language 1002

Foreign Language 2001

COMM 2210 - Speech Communication

**Physical Education ..... 3 hours**

**B. Major Field Course (including Area F\*) 21 + 9 as Area F = ..... 30 hours**

ENGL 2100\* - Literature and Humanities (unless taken in Area C)

One course\* selected from:

- ENGL 2111 - World Literature I
- ENGL 2112 - World Literature II

One course\* (two\* if ENGL 2100 is taken in area C) selected from:

- ENGL 2121 - British Literature I
- ENGL 2122 - British Literature II
- ENGL 2131 - American Literature I
- ENGL 2132 - American Literature II
- ENGL 3720 - Technical and Business Writing

ENGL 3010 – Intro to Literary Studies  
 ENGL 4700 – Advanced Composition  
 ENGL 5730U – Rhetoric  
 ENGL 4990 – Internship (3 semester hours)  
 Two additional literature courses, 3000 level or above.

**C. Related Field Courses (including area F\*) 27 + 9 hours in area F = ..... 36 hours**

Foreign Language 1002\*  
 Foreign Language 2001\*  
 Foreign Language 2002  
 COMM 2280\* – Speech Communication  
 PHIL 2201 – Intro to Philosophy or PHIL 2252 – Ethics  
 THEA 2410 – Oral Interpretation  
 JOUR 3430 – Journalistic Writing and Editing  
 COMM 3360 – Critical Approaches to Mass Culture  
 One of the following options:

1. Professional Writing

JOUR 4000 – Topics in Journalism  
 COMM 3060 – Public Relations  
 ENGL 5760U – Literary Non-fiction  
 ENGL 3270 – Journalism Lab

2. Communications

COMM 3050 – Interpersonal and Small Group Communication  
 COMM 3060 – Public Relations  
 COMM 3270 – Journalism Lab (1-3 hours)

One course selected from:

THEA 3400 – History of Film  
 THEA 3490 – Television Theory and Criticism  
 THEA 3500 – Introduction to Film  
 THEA 3510 – Film and Literature  
 THEA 5010U – Topics in Film

3. Film and television studies

Four courses selected from:

THEA 3400 – History of Film  
 THEA 3490 – Television Theory and Criticism  
 THEA 3500 – Introduction to Film  
 THEA 3510 – Film and Literature  
 THEA 5010U – Topics in Film  
 THEA 5020U – Film Theory and Criticism

**D. Elective Hours ..... 12 hours**

**Total Semester Hours**

**123**

**E. Regents Test and Exit Exam**

**PROGRAM FOR THE DEGREE OF BACHELOR OF ARTS WITH A MAJOR IN SPANISH**

**A. General Requirements:**

**Core Areas A, B, C, D, and E ..... 42 hours**

**Area F (18 hours) consists of the following courses listed in the major and related fields**

SPAN 1002 - Spanish II  
 SPAN 2001 - Intermediate Spanish I  
 SPAN 2002 - Intermediate Spanish II  
 ENGL 2100 - Literature and Humanities (if taken in Area C, replace with elective at 1000-2000 level)

Six semester hours of electives at the 1000-2000 level

Physical Education ..... 3 hours

**B. Major Field Course (including Area F\*) 30 +9 as Area F = ..... 39 hours**

- SPAN 1002\* - Spanish II
  - SPAN 2001\* - Intermediate Spanish I
  - SPAN 2002\* - Intermediate Spanish II
- Four to six courses selected from:

- SPAN 3031 - Spanish Conversation and Composition I
- SPAN 3032 - Spanish Conversation and Composition II
- SPAN 3050 - Advanced Grammar and Syntax
- SPAN 3060 - Advanced Grammar and Syntax for Native Speakers
- SPAN 3111 - Civilization and Culture of Spain
- SPAN 3120 - Civilization and Culture of Latin America
- SPAN 3220 - Spanish Peninsular Literature II

Four to six courses selected from the following three categories. Select at least one course from each category. SPAN 4040 must be chosen. A minimum of one other course must be at the 4000 level.

Category 1:

- SPAN 3210 - Spanish Peninsular Literature I
- SPAN 3220 - Spanish Peninsular Literature II
- SPAN 4070 - Contemporary Spanish Peninsular Novel
- SPAN 4080 - Spanish Peninsular Theatre
- SPAN 4100 - Spanish Peninsular Poetry

Category 2:

- SPAN 3230 - Spanish American Literature I
- SPAN 3240 - Spanish American Literature II
- SPAN 4060 - Contemporary Spanish American Novel
- SPAN 4090 - Spanish American Theatre
- SPAN 4110 - Spanish American Poetry

Category 3:

- SPAN 4010 - Special Genre
- SPAN 4020 - Special Author
- SPAN 4030 - Special Topics
- SPAN 4040 - Spanish Phonetics
- SPAN 4900 - Independent Study
- SPAN 4990 - Language Internship (3 semester hours)

**C. Related Field Courses (including area F\*) 15 + 3 hours in area F = ..... 18 hours**

ENGL 2100\* - Literature and Humanities (If taken in Area C, replace with elective at 1000-2000 level)  
 Fifteen (15) semester hours (minimum) of 3000-4000 level courses from The College of Arts and Sciences.

**D. Electives (including area F\*): ..... 21 hours**

Six semester hours at the 1000-2000 level\*

**Total Semester Hours**

123

**E. Regents Test and Exit Exam**

**PROGRAM FOR THE DEGREE OF BACHELOR OF ARTS WITH MAJOR IN SPANISH WITH TEACHER CERTIFICATION**

**A. General Requirements:**

**Core Areas A, B, C, D, and E ..... 42 hours**

**Area F (18 hours) consists of the following courses listed in the major and related fields**

- SPAN 1002 - Spanish II
- SPAN 2001 - Intermediate Spanish I

SPAN 2002 - Intermediate Spanish II  
 ENGL 2100 - Literature and Humanities  
 CEUG 1010 - Human Growth and Development  
 CEUG 2100 - Teaching and The Exceptional Child

**Physical Education** ..... 3 hours

**B. Major Field Course (including Area F\*) 30 + 9 as Area F =** ..... 39 hours

SPAN 1002\* - Spanish II  
 SPAN 2001\* - Intermediate Spanish I  
 SPAN 2002\* - Intermediate Spanish II  
 Four to six courses selected from:

SPAN 3031 - Spanish Conversation & Composition I  
 SPAN 3032 - Spanish Conversation & Composition II  
 SPAN 3050 - Advanced Grammar & Syntax  
 SPAN 3060 - Advanced Grammar & Syntax for Native Speakers  
 SPAN 3111 - Civilization and Culture of Spain  
 SPAN 3120 - Civilization and Culture of Latin America  
 SPAN 3200 - Spanish Peninsular Literature II

Four to six courses selected from the following three categories. Select at least one course from each category. SPAN 4040 must be chosen. A minimum of one other course must be at the 4000 level.

Category 1:

SPAN 3210 - Spanish Peninsular Literature I  
 SPAN 3220 - Spanish Peninsular Literature II  
 SPAN 4070 - Contemporary Spanish Peninsular Novel  
 SPAN 4080 - Spanish Peninsular Theatre  
 SPAN 4100 - Spanish Peninsular Poetry

Category 2:

SPAN 3230 - Spanish American Literature I  
 SPAN 3240 - Spanish American Literature II  
 SPAN 4060 - Contemporary Spanish American Novel  
 SPAN 4090 - Spanish American Theatre  
 SPAN 4110 - Spanish American Poetry

Category 3:

SPAN 4010 - Special Genre  
 SPAN 4020 - Special Author  
 SPAN 4030 - Special Topics  
 SPAN 4900 - Independent Study  
 SPAN 4990 - Language Internship

**C. Related Field Courses (including area F\*) 18 + 9 hours in area F =** ..... 27 hours

ENGL 2100\* - Literature and Humanities (if taken in Area C, replace with elective at 1000-2000 level)  
 CEUG 1010\* - Human Growth and Development  
 CEUG 2100\* - Teaching and The Exceptional Child  
 MGSE 3351 - Secondary School Curriculum and Methods  
 MGSE 4442 - Curriculum and Methods of Foreign Language Education  
 MGSE 4630 - Classroom Management  
 MGSE 4750 - Student Teaching and Seminar(9 semester hours)

**D. Electives: to include six semester hours\* at the 1000-2000 level** ..... 12 hours

**Total Semester Hours**

**123**

**E. Regents Test and Exit Exam**

### Minor Concentrations

The following minor concentrations are available from the Department of Languages, Literature, and Philosophy. For completion of each of the minors, the student must earn a 'C' or better in each course offered for the minor. A Minor must contain 15 to 18 semester

hours of coursework with at least 9 hours of upper division coursework. Courses taken to satisfy Core Areas A through E may not be counted as coursework in the minor. The minors and their requirements are:

- A. English ..... 15-18 hours  
Must include 9 hours of English electives numbered 3000 or above (only 3 hours of 4990)
- B. Film ..... 15-18 hours  
Must include THEA/FILM 3400, THEA/FILM 3510, THEA/FILM 3500, THEA/FILM 5010
- C. Foreign Languages ..... 15-18 hours  
Must include 9 hours of language electives numbered 3000 or above
- D. Linguistics  
Must include ENGL 3010, LING 4700, LING 5000U, LING 5800U, LING 5820U
- E. Philosophy ..... 15-18 hours  
Must include 9 hours of Philosophy electives numbered 3000 or above

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## MATHEMATICS

### Faculty

Wheeler, Ed, Department Head

Barnard, Jane

Brawner, Jim

Hansen, John

Hessinger, Sabrina

Hollis, Selwyn

Kilhefner, Dale

Leo, John

McMillan, Tim

Munson, Richard

Ouzts, Susan

The Department of Mathematics offers a wide range of services to the AASU student. Several introductory courses are available both to satisfy the general education needs of the student and to satisfy prerequisites in the student's major program. Intermediate-level courses for non-majors are available to enhance the quantitative skills of students in a variety of different disciplines. A minor in mathematics can be designed to complement the rest of a student's program. A major in the mathematical sciences allows the students to choose from among three options.

**The Mathematical Sciences Major:** *Option 1* of this major is entitled 'Mathematics' and prepares students intending to pursue graduate studies in mathematics. *Option 2* is entitled 'Applied Mathematics'. This flexible option is a good choice for students preparing for a variety of careers in business and industry, intending to attend graduate school in a quantitative area such as biostatistics, economics, or operations research, or wishing to participate in a Dual-Degree Program in engineering. *Option 3* is entitled 'Mathematics Education' and prepares students to teach in public and private secondary schools. This option is an approved program for the Georgia Teacher's Professional Four Year Certificate (T-4).

**The Dual Degree Program:** Under arrangements with Georgia Tech, students may in five years of study earn simultaneously the BS degree in the mathematical sciences from Armstrong and the Bachelor's degree in any one of a number of fields of engineering from Georgia Tech. Armstrong participates in similar programs with other major universities. Students considering this option should contact an advisor in the Department of Mathematics as soon as possible.

### Special Academic Regulations:

To earn the BS degree in the mathematical sciences, a student must successfully complete with a grade of C or better all mathematics and computer science courses required in the program of study.

To fulfill the prerequisites for any mathematics or computer science course one must obtain a grade of C (or above) in each prerequisite course except MATH 1111.

### Requirements for a Bachelor of Science with a major in Mathematical Sciences:

To complete a major in Mathematical Sciences one must complete Core Areas A, B, C, D, and E for science majors, the physical education requirements of the college, 120 semester hours of college credit beyond the physical education requirements, the Regents Exam and the Major Field Achievement Test in Mathematics. In the process, one must successfully complete the specific requirements of one of the following options:

#### A. General Requirements

**Core Areas A, B, C, D, and E** ..... 42 hours

Mathematics majors are required to take MATH 1113 in Core Area A and MATH 1161 in Core Area D

**Area F (18 hours) consists of the following courses listed in the major and related field**

One hour excess for MATH 1161 from Area D

MATH 2072 - Calculus II

MATH 2083 - Calculus III

MATH 2160 - Linear Algebra

CSCI 1301 - Introduction to Programming Principles I

Two hours of approved lower division electives

**Physical Education** ..... 3 hours

To complete the major in the mathematical sciences, one must complete major field and related area requirements for one of the following options:

#### Option 1: Mathematics:

**B. Major Field Course (including Area F\*)** ..... 27 + 12 as Area F = 39 hours

One hour\* excess for MATH 1161 from Area D

MATH 2072\* - Calculus II

MATH 2083\* - Calculus III

MATH 2160\* - Linear Algebra

MATH 3000 - Introduction to Mathematical Proof

MATH 3110 - Abstract Algebra

MATH 3211 - Probability and Mathematical Statistics

MATH 3411 - Differential Equations

MATH 4011 - Advanced Calculus I

One course selected from:

MATH 3170 - Advanced Linear Algebra

MATH 4022 - Advanced Calculus II

MATH 5160 - Theory of Numbers

Nine semester hours of upper-division mathematics exclusive of MATH 3911, 3932, and 4960/70/80

**C. Related Field Courses (including area F\*)** 19 + 6 hours in area F = ..... 25 Hours

CSCI 1301\* - Introduction to Programming Principles

CSCI 1302\* - Advanced Programming Principles

Six semester hours from either a single foreign language sequence or six semester hours from computer science courses with a prerequisite of at least CSCI 1302

Twelve semester hours chosen from courses in the College of Arts and Sciences to complete the requirement of at least 39 semester hours of upper-division course



**Option 2: Applied Mathematics:**

**B. Major Field Courses (including Area F\*) ..... 21 + 12 as Area F = 33 hours**

One hour\* excess for MATH 1161 from Area D

MATH 2072\* - Calculus II

MATH 2083\* - Calculus III

MATH 2160\* - Linear Algebra

MATH 3000 - Introduction to Mathematical Proof

MATH 3211 - Probability and Mathematical Statistics

MATH 3411 - Differential Equations

One course selected from

MATH 3110 - Abstract Algebra

MATH 3170 - Advanced Linear Algebra

MATH 4011 - Advanced Calculus I

MATH 5160 - Theory of Numbers

Nine additional semester hours of upper-division mathematics exclusive of

MATH 3911, 3932, and 4960/70/80

**C. Related Field Courses (including area F\*) ..... 25 + 6 hours in area F = 31 hours**

CSCI 1301\* - Introduction to Programming Principles

CSCI 1302\* - Advanced Programming Principles

Concentration Area: Completion of requirements for a minor in one of biology, chemistry, computer science, economics, physics, or engineering studies

Additional courses to complete the requirement of at least 39 semester hours of upper-division courses. These courses may be chosen from mathematics, the Concentration Area, ENGL 3720, or HIST 5640

**Option 3: Mathematics Education**

**B. Major Field Courses (including Area F\*) ..... 24+ 12 as Area F = 36 hours**

One hour\* excess from Area D

MATH 2072\* - Calculus II

MATH 2083\* - Calculus III

MATH 2160\* - Linear Algebra

MATH 3000 - Introduction to Mathematical Proof

MATH 3110 - Abstract Algebra

MATH 3211 - Probability and Mathematical Statistics

MATH 3360 - Modern Geometry

MATH 3932 - Teaching of Middle School/General Mathematics

One course selected from:

MATH 5160U - Theory of Numbers

MATH 5700U - History of Mathematics

Six additional semester hours of upper-division mathematics exclusive of MATH 3911, and 4960/70/80

**C. Related Field Courses (including area F\*) 25 + 6 hours in area F = ..... 31 hours**

CSCI 1301\* - Introduction to Programming Principles I

PSYC 1101\* - General Psychology (two hours\* count as Area F)

CEUG 1010- Human Growth and Development

CEUG 2100 - Teaching and the Exceptional Child

MGSE 3351 - Secondary School Curriculum and Methods, General

MGSE 4412 - Secondary School Curriculum and Methods, Mathematics

MGSE 4630 - Classroom Management

MSGE 4750 - Student Teaching (9 semester hours)

**D. Electives ..... 11-14 hours**

**Total Semester Hours**

**123**

**Regents Exam and Exit Exam**

**Minor in Mathematics:**

The minor in mathematics consists of:

MATH 2072, 2083, and nine additional semester hours chosen from MATH 2160 and mathematics courses numbered 3000 or higher (excluding MATH 3911, 3932, and 4960/70/80)

**SOCIAL AND BEHAVIORAL SCIENCES****Faculty**

Martin, Grace, Department Head

Douglass, Keith

Lane, Joseph

McGrath, Richard

Palefsky, Elliot

Saadatmand, Yassaman

Taylor, Stephen

Toma, Michael

The Division of Social and Behavioral Sciences offers two 4-year degrees, the Bachelor of Arts with a major in Psychology and the Bachelor of Arts with a major in Economics, and also minor concentrations in Anthropology, Economics, Mental Health, Organizational Psychology, Psychology, and Sociology.

The Psychology program is based in the research tradition and offers preparation for both graduate school and entry into the job market. Besides specific courses required for the degree, students select from a variety of content courses which include clinical, developmental, testing, personality, physiological, social and industrial/organizational psychology. During the senior year, capstone courses include research projects, community internships, and senior seminar. Studies have shown that Psychology majors have the opportunity to develop strengths in five important areas: critical thinking, problem solving, oral communication, written communication, and interpersonal skills.

The Economics program is consistent with the liberal arts tradition, requiring a foundation in economic theory along with eight applied courses from a variety of areas. These areas include courses related to international economics, financial markets, public policy issues, regional and international development, quantitative applications, internships and special research topics. With the highest paid major among social sciences, graduates in economics may find positions in business, government, and consulting ranging from management and marketing to research and analysis. Opportunities exist for internship and research experience.

Along with other academic policies of the college, candidates for the B.A. degrees in Psychology and Economics must earn at least a 'C' in every required course in the major. All division minors require a 'C' or better in each course.

Honors programs are available for both Economics and Psychology. The Division recognizes student achievement by awarding the *Stu Worthington Award* for academic achievement and the *Cindy McCormick Award for Outstanding Service* to senior psychology students. The *Award for Outstanding Achievement* is awarded to a senior Economics student.

**PROGRAM FOR THE DEGREE OF BACHELOR OF ARTS WITH A MAJOR IN PSYCHOLOGY****A. General Requirements:**

Core Areas A, B, C, D, and E ..... 42 hours

Area F (18 hours) consists of the following courses in the major and related fields

PSYC 1101 - General Psychology

PSYC 2200 - Psychological Research

ANTH 1101 - Anthropology

BIOL 1107 - Biology I

BIOL 1108 - Biology II

Physical Education ..... 3 hours

**B. Major Field Course (including Area F\*) ..... 30 + 7 as Area F = 37 hours**

- PSYC 1101\* - General Psychology
- PSYC 2200\* - Psychological Research
- PSYC 3120 - Measurement
- PSYC 4080 - Learning
- PSYC 4100 - History and Systems
- PSYC 4110 - Senior Seminar

Two courses from:

- PSYC 3070 - Perception
- PSYC 3090 - Physiological
- PSYC 3190 - Animal Behavior
- PSYC 3500 - Cognitive
- PSYC 4060 - Behavior Modification

Two courses from

- PSYC 3030 - Experimental Social
- PSYC 3110 - Theories of Personality
- PSYC 3160 - Clinical
- PSYC 3200 - Industrial/Organization
- PSYC 3280 - Abnormal

Two courses from:

- PSYC 3020 - Testing
- PSYC 3150 - Stress & Conflict
- PSYC 3210 - Work Behavior
- PSYC 3750 - Aging

**C. Related Field Courses (including area F\*) ..... 18 + 11 hours in area F = 29 hours**

- ANTH 1101\* - Anthropology
- BIOL 1107\* - Biology I
- BIOL 1108\* - Biology II
- MATH 2220 - Elementary Statistics
- CSCI 1050 - Computer Concepts
- Two Course Sequence of Foreign Language above 1002
- Two Courses (3000+) from the following:  
Psychology, Sociology, Anthropology, or Economics

**D. Electives: ..... 12 hours**

One - Upper Division Course (3000+) and 3 other electives

**Total Semester Hours**

**123**

**E. Regents Test and Exit Exam**

**PROGRAM FOR THE DEGREE OF BACHELOR OF ARTS WITH A MAJOR IN PSYCHOLOGY (Leading to Teacher Licensure in Special Education: Behavior Disorders)**

**A. General Requirements:**

**Core Areas A, B, C, D, and E ..... 42 hours**

**Area F (18 hours) consists of the following courses listed in the major and related fields**

- PSYC 1101 - General Psychology
- PSYC 2200 - Psychological Research
- ANTH 1101 - Anthropology
- BIOL 1107 - Biology I
- BIOL 1108 - Biology II

**Physical Education ..... 3 hours**

- B. Major Field Course (including Area F\*)** ..... 27 + 7 as Area F = 34 hours  
 PSYC 1101\* - General Psychology  
 PSYC 2200\* - Psychological Research  
 PSYC 3120 - Measurement  
 PSYC 3160 - Clinical  
 PSYC 3280 - Abnormal  
 PSYC 3500 - Cognitive  
 PSYC 4060 - Behavior Modification  
 PSYC 4080 - Learning  
 PSYC 4100 - History and Systems  
 PSYC 4110 - Senior Seminar  
 One course from:  
 PSYC 2010 - Human Growth & Development  
 PSYC 2950 - Developmental Psychology  
 CEUG 1010 - Human Growth & Development
- C. Related Field Courses (including area F\*)** ..... 12 + 11 hours in area F = 23 hours  
 ANTH 1101\* - Anthropology  
 BIOL 1107\* - Biology I  
 BIOL 1108\* - Biology II  
 MATH 2220 - Elementary Statistics  
 CSCI 1050 - Computer Concepts  
 Two Course Sequence of Spanish beyond 1001
- D. Professional Sequence:** ..... 21 hours  
 CEUG 2100 - Teaching the Exceptional Child  
 CEUG 3072 - Teaching of Reading  
 EEXC 4100 - Student Teaching (six semester hours)  
 EEXC 3500 - Characteristics of Behavior Disorders (BD)  
 EEXC 3510 - Methods BD  
 CEUG 5010U - Tests & Measurements or PSYC 3020 - Psychological Testing

Total Semester Hours

123

- E. Regents Test; Praxis Behavior Disorders & ACAT-P Media Module; Admission to Teacher Education; Student Portfolio; Orientation to Teaching Module**

## PROGRAM FOR THE DEGREE OF BACHELOR OF ARTS WITH A MAJOR IN ECONOMICS

### A. General Requirements:

- Core Areas A, B, C, D, and E** ..... 42 hours  
**Area F (18 hours) consists of the following courses listed in the major and related fields**  
 ECON 2105 - Macroeconomics  
 ECON 2106 - Microeconomics  
 MATH 2220 - Elementary Statistics  
 MATH 1950 - Applied Math or MATH 1161 - Calculus I  
 Two Course Sequence of Foreign Language above 1001
- Physical Education** ..... 3 hours
- B. Major Field Course (including Area F\*)** ..... 36 + 6 as Area F = 42 hours  
 ECON 2105\* - Macroeconomics  
 ECON 2106\* - Microeconomics  
 ECON 3050 - Intermediate Macroeconomics  
 ECON 3060 - Intermediate Microeconomics  
 ECON 2030 - Accounting I  
 ECON 2040 - Accounting II

Eight courses from at least 3 of the following categories

I. International

- ECON 3100 - Multinational Economic Enterprises
- ECON 3200 - International Trade
- ECON 4310 - International Financial Institutions
- ECON 4400 - Seminar in Third World Economic Development
- ECON 4450 - Comparative Economic Systems

II. Quantitative

- ECON 3600 - Mathematical Economics
- ECON 3700 - Econometrics

III. Applied

- ECON 3300 - Money and Banking
- ECON 3400 - Economics of Labor
- ECON 3500 - Managerial Economics

IV. Public Policy and Economic History

- ECON 3630 - Economic History in the US
- ECON 4210 - International Law of Expropriation and Compensation
- ECON 4410 - Regional Economics
- ECON 4500 - Public Finance

V. Internships and Specialized Courses

- ECON 4520, 4530, 4540 - Internship (with permission of Department Head)
- ECON 4010, 4020, 4030 - Special Topics (with permission of Department Head)

**C. Related Field Courses (including area F\*) ..... 9 + 12 hours in area F = 21 hours**

- MATH 2220\* - Elementary Statistics
- MATH 1950\* - Applied Math or MATH 1161\* - Calculus I
- Two Course Sequence of Foreign Language\* above 1001
- CSCI 1050 - Computer Concepts
- Two Upper Division Courses (3000 or 4000 level) from the following:  
 Psychology, Anthropology, Political Science, Geography,  
 Philosophy, Mathematics, or Sociology

**D. Electives ..... 15 hours**

One upper division 3000+ course and four other electives.

**Total Semester Hour ..... 123 hours**

**E. Regents Test and Exit Exam**

**Minor Concentrations**

The Social and Behavioral Sciences Department offers minors in the following five areas:

- A. Psychology:** PSYC 1101 and 12 credit hours of upper division course work
- B. Mental Health:** PSYC 1101 and PSYC 3020, 3160, 3280, 4060, 5150.
- C. Organizational Psychology:** PSYC 1101 and five of the following: PSYC 3020, 4060, 3150, 3200, 3210, 3220.
- D. Anthropology:** ANTH 1101 and 12 hours of upper division anthropology credits.
- E. Sociology:** SOCI 1101 and 12 credit hours of upper division sociology credits.
- F. Economics:** ECON 2105 or 2106 and 12 credit hours of upper division work selected from ECON 3100, 3200, 3300, 3400, 3500, 3630, 4210, 4310, 4400, 4410, 4450, 4500, and 4010-4030.

All minor concentrations require a grade of 'C' or better in each course.

# College of Education

College of Education  
Newberry, S. Lloyd, Dean  
Brandt, Patricia, Assistant Dean

## Philosophy, Goals, and Objectives

The College of Education offers a variety of degree programs designed for the preparation of competent teachers who are committed to excellence in the profession and who are prepared to ensure success for all students in the instructional arena.

The following goals guide the College in this effort to provide prospective teachers with

- proficiency in the content of their selected teaching field;
- the appropriate learning theory and methodology necessary for successful implementation of classroom plans and procedures;
- the abilities and skills which will enable them to offer appropriate educational opportunities to students representing a variety of cultural and economic backgrounds;
- the abilities and skills that will enable them to meet the special needs of exceptional children;
- programs that will offer a professional and educational atmosphere conducive to the development of teachers who possess the highest qualities of character, commitment, and professional competence.

Each degree program in the College of Education is guided by an individual set of objectives which is not only specific to that degree program but also reflective of university goals.

## Conceptual Framework

Curriculum activity, implementation, and evaluation of goals and objectives are guided by seven principles which define the conceptual framework for the College of Education. These principles are:

- P-16 initiatives;
- collaboration with faculty in the College of Arts and Sciences;
- sensitivity to diversity within our society;
- management and utilization of technology;
- acceptance of the evolving definition of teaching and all the implications for curriculum activity;
- learned societies and program standards;
- proactive programs of study which are goal driven and developmental in scope and sequence.

## Organization and Degrees

**The College of Education consists of four departments: Early Childhood Education, Middle Grades and Secondary Education, Special Education, and Health and Physical Education.**

The Department of Early Childhood Education offers the following degrees:

Bachelor of Science in Education in Early Childhood Education

With the College of Arts and Sciences:

Bachelor of Science in Education in Art Education (P-12)

Bachelor of Music Education (P-12)

The Department of Health and Physical Education offers the following degree:

Bachelor of Science in Health and Physical Education (P-12)

The Department of Middle Grades and Secondary Education offers the following degrees:

Bachelor of Science in Education in Middle Grades Education

With the College of Arts and Sciences:

Bachelor of Science in Education in Social Science Education (History)

Bachelor of Science in Education in Social Science Education (Political Science)  
 Bachelor of Science in Biology with Teacher Certification  
 Bachelor of Science in Chemistry with Teacher Certification  
 Bachelor of Science in Mathematical Science with Teacher Certification  
 Bachelor of Arts in English with Teacher Certification  
 Bachelor of Arts in History with Teacher Certification  
 Bachelor of Arts in Political Science with Teacher Certification  
 Bachelor of Arts in Spanish with Teacher Certification (P-12)

With Savannah State University:

Bachelor of Science in Education in Business Education

The Department of Special Education offers the following degree:

Bachelor of Science in Speech-Language Pathology

With the College of Arts and Sciences:

Bachelor of Arts in Psychology with Teacher Certification in Behavior Disorders

Master of Education Degrees are offered in:

Elementary Education

Middle Grades Education

Secondary Education in:

Business Education\*

English Education

Mathematics Education

Science Education

Social Science Education

\*in conjunction with Savannah State University

Special Education in:

Behaviour Disorders

Learning Disabilities

Speech-Language Pathology

Refer to the Armstrong Atlantic State University Graduate Catalog for further information on graduate programs.

## Accreditation

All teacher education programs at Armstrong Atlantic State University are accredited by the Georgia Professional Standards Commission and the National Council for Accreditation of Teacher Education.

## Academic Advisement

Students desiring to pursue a teacher education program should seek academic advisement in the appropriate department (Early Childhood Education, Middle Grades and Secondary Education, Special Education, Health and Physical Education) or see the two full-time advisors who work with College of Education students. Advisors will assist each student in establishing a program of study which must be followed precisely. These forms will be filed in the appropriate departmental office and a copy provided to each student. It is the responsibility of the student to initiate and maintain the advisement process.

All completed courses to be used to satisfy the requirement of a student's course of study must be included on the official program of study planning form at the time of department head approval.

## Admission to Teacher Education

A student seeking admission to the Teacher Education Program must meet the standards described in the Teacher Education Program Handbook. The policy of the College of Education is aligned with the standards of the Georgia Professional Standards Commission for certification and includes a criminal background check. The AASU College of Education standards incorporate essential functions for teaching and a code of ethics and expected behaviour for students in the program.

A student wishing to pursue a teacher education program leading to teacher certification must apply for admission to the teacher education program. Application forms may be secured at the admission to teacher education meeting. Health and Physical Education students can secure their application forms from the Office of Professional Laboratory Experiences in University Hall, Room 272.

The following criteria apply for admission to the teacher education program in the **Departments of Early Childhood Education, Middle Grades and Secondary Education, and Special Education:** (Note: Students completing core courses under the quarter system will need to see an advisor for requirements.)

1. Completion of at least 40 semester hours of college credit with a minimum cumulative 2.5 (unrounded) GPA over all college course work attempted.
2. Completion of Orientation to Teaching or equivalent and ENGL 1101 and 1102 or their equivalents with a "C" or better in each course.
3. Satisfactory completion of MATH 1111.
4. Successful completion of Praxis I.\*
5. Successful completion of oral screening.
6. Indication of desirable attitude, character, and teaching potential.
7. Satisfactory completion of the Regents' Test.  
*Students already holding baccalaureate degrees from an accredited institution are exempted from the Regents' Test.*
8. Submission of four letters of recommendation; these letters may be secured from colleges or universities where applicants have been previously enrolled.
9. Submission of an up-to-date copy of the program of study.
10. Completion of approved ten hours of volunteer service in an educational setting.
11. Notarized consent form for criminal background check.

The following criteria apply for admission to the teacher education program in the **Department of Health and Physical Education:**

1. Completion of at least 40 semester hours of college credit with a minimum cumulative 2.5 (unrounded) GPA over all college course work attempted.
2. Completion of Orientation to Teaching or equivalent and ENGL 1101 and 1102 or their equivalents with a "C" or better in each course.
3. Satisfactory completion of MATH 1111.
4. Successful completion of Praxis I.\*
5. Satisfactory completion of the Regents' Test.  
*Students already holding baccalaureate degrees from an accredited institution are exempted from the Regents' Test.*
6. Submission of an up-to-date copy of the program of study.
7. Completion of PEHM 2900 or equivalent with a "C" or better.
8. Three hours of Physical Education core courses with a "B" or better.
9. A "2.5" overall GPA in PEHM 2500, PEHM 3080, PEHM 2701, and PEHM 2702.
10. Submission of four letters of recommendation with at least two from major professors and one from the department head of Health and Physical Education.
11. Notarized consent form for criminal background check.

*\*Praxis I: All students (undergraduate and alternative preparation) who applied for admission to teacher education during Winter Quarter 1998 and after are required to pass all three sections of the Praxis I before they can be admitted.*

### **Liability Insurance Requirement**

All students who participate in courses for which field experiences or laboratory practicum are required must provide evidence of liability insurance (SGAE, SPAGE, SGFT membership or waiver of insurance coverage). Students should consult their advisors regarding this requirement.



## Pre-Planning Practicum

The purpose of the pre-planning practicum is to provide an opportunity for future teachers:

- to learn what teachers do at the beginning of a new school term,
- to participate in experiences that will assist the prospective teacher with future decisions concerning teaching as a career,
- to become acquainted with the organization and curriculum of a particular school.

The pre-planning practicum is scheduled at the beginning of the public school term and should be scheduled during the student's junior or senior year. No credit is given for the pre-planning practicum, but this practicum is a requirement in all of the teaching fields in the Armstrong Atlantic State University Teacher Education Program.

Application for the pre-planning practicum should be made during the first week of the spring semester for a pre-planning practicum for the next fall. The student should contact the Director of Professional Laboratory Experiences for further information.

## Portfolio Requirement

Students will be required to create portfolios which must include their demonstration of program goals and Professional Standards Commission standards.

Any undergraduate student admitted into the teacher education program spring quarter 1996 or later must submit a completed portfolio as a prerequisite to student teaching admission. Any alternative preparation student admitted into the teacher education program winter quarter 1997 or later must submit a completed portfolio prior to admission to student teaching. This includes the AASU/SSU Collaborative Program and the Brunswick Center.

## Student Teaching

Student teaching, the culminating activity of the professional sequence, is provided in selected off-campus school centers. **Applications for admission to student teaching are obtained at the Admission to Student Teaching meeting the semester prior to student teaching. Completed applications must be submitted to the Director of Professional Laboratory Experiences one semester prior to the student teaching semester.** While student teaching, the student is required to adhere to established policies and procedures of the cooperating school system in addition to those policies and procedures established by the university.

School placement is jointly arranged by the university and the participating school system. The student will receive a letter of assignment. Orientation to student teaching will be held at the beginning of the semester in which student teaching is scheduled. The following requirements must be met before a student can enroll in student teaching:

1. Completion of all courses on the program of study.
2. Admission to teacher education.
3. Satisfactory completion of all related field experiences, including the pre-planning practicum.
4. Completion of a total of nine hours of methods and curriculum course(s) and the classroom management course at Armstrong Atlantic State University.
5. A cumulative 2.5 unrounded GPA on all courses attempted, and "C" or better in all courses acceptable toward the teaching field, professional sequence, concentration, and related electives.
6. Recommendation by the College of Education faculty. If other than P-5, 4-8, or Speech-Language Pathology, students must also have a recommendation from their major department as well.
7. Certification in child and adult CPR and community first aid that is valid throughout the student teaching semester.
8. Completion of an approved pre-service portfolio and 10 hours of professional development.
9. Pass Praxis II.

Students who are unsuccessful may apply to student teach *one* additional time if they complete the prescribed program of remediation as outlined by the university supervisor.

### **Policies for Internship Applications**

Applications for internship must be submitted to the Office of Professional Laboratory Experiences one semester prior to the semester in which the beginning internship is requested. Students will be informed of their eligibility upon receipt of the completed application and prior to their first internship semester. Any questions about policies or the application process should be addressed to the Director of Professional Laboratory Experiences. A cumulative 2.50 unrounded GPA or higher on all previous college work attempted is required to participate in internship. Students must show their letter of eligibility in order to register for internship; students cannot preregister for internship. The following requirements must be met before a student can enroll in internship:

1. Clearance from the Office of Professional Laboratory Experiences.
2. A bachelor's degree or higher.
3. A 2.5 unrounded GPA or higher on **ALL** previous college work attempted.
4. A signed program of study which approves internship as an alternative to student teaching.
5. A current provisional teaching certificate in the field of certification being pursued.
6. Employment in a full-day program of teaching, in the major field, with typical classroom responsibilities.
7. Employment in a SACS accredited school.
8. A passing score on the Georgia Teacher Certification Test or the Praxis II in the field of certification being pursued.
9. Completion of the methods and /or curriculum courses required in the appropriate field with a "C" or better at AASU.
10. The approval form completed by the principal of the school where the intern is employed.

### **Alternative Teacher Preparation Program**

The Alternative Teacher Preparation Program has been approved for individuals who hold a baccalaureate or higher degree from an accredited college or university but who are not eligible for a license to teach. The successful completion of all program requirements will result in a clear renewable certificate. Admission criteria for the alternative preparation program includes: (1) an earned baccalaureate degree or advanced degree from an accredited college or university, and (2) a cumulative grade point average of 2.5 on a 4.0 scale for ALL college course work attempted.

Students who have taken staff development courses covering the content in CEUG 3072, The Teaching of Reading or MGSE 4280, Teaching Literature Through Reading in the Content Areas and CEUG 2100, Teaching and the Exceptional Child, must pass a competency examination in order to receive credit. Alternative preparation students must meet program and course prerequisites. Please see the appropriate department head for additional information. The competency examination can be arranged through the Office of Professional Laboratory Experiences.

### **Program Completion**

A student must complete the university's approved program for certification within four years following admission to the teacher education program. In the event that the student does not complete the program in four years, the individual must meet the requirements of the program in effect at that time. For acceptable completion, each course in the teaching field, professional education sequence concentration, and related fields must be passed with a grade of "C" or better.

## Praxis I Exam

All students (undergraduates and alternative preparation) who apply for certification after March 1, 1999 must pass all three sections of Praxis I even if they previously passed the written screening for admission to teacher education before winter quarter 1998.

## Praxis II Exam

Students are required to pass Praxis II as a prerequisite for admission to student teaching. Interns must pass Praxis II in order to receive a provisional certificate.

## Application for Graduation

Students are required to complete the application for graduation two semesters prior to graduating. Students need to submit an application for graduation, updated copy of their transcripts and program of study to their advisors. The application will be checked and approved by the appropriate department head.

## Recommendation for Certificate

To be recommended for a teaching certificate, a student must complete the degree requirements for an approved teacher certification program on an approved program of study, and must complete at Armstrong Atlantic State University a majority of the courses in each of the following areas: the professional sequence, the teaching field, and the related field in addition to passing Praxis II in the field in which certification is sought.

## Brunswick Center Programs

The Bachelor of Science in Education with concentrations in Early Childhood and Middle Grades Education is offered by Armstrong Atlantic State University at Coastal Georgia Community College through the Brunswick Center. The program allows students who have an associate degree to complete their baccalaureate degree in Brunswick. Interested students should contact Dr. Gene Barber, Director of the Brunswick Center or Dr. Warren Schollaert, Director of Teacher Education.

## Cooperative Program

Savannah State University cooperates with Armstrong Atlantic State University in offering a major in Business Education. Course work in the major field of study for this program is offered by Savannah State University. Students interested in this program should contact the head of the Department of Middle Grades/Secondary Education at Armstrong Atlantic State University.

## Minor Concentration

A minor in teacher education is available for students who do not wish to earn teacher certification. The minor incorporates courses which address leading concepts and problems in the field of education. Students majoring in general studies, psychology, health science, and other fields may find this minor is a valuable adjunct to their programs of study. For the minor to be officially recognized, all courses in the minor must be passed with a grade of "C" or better.

## Orientation to Teaching or Equivalent

CEUG 1010 Human Growth and Development .....	3
CEUG 2100 Teaching and the Exceptional Child .....	3
ECUG 3050 Curriculum and Methods P-5 or	
MGSE 3060 Curriculum and Methods 4-8 .....	3
Two additional upper division education courses .....	6

<b>Total Semester Hours</b>	<b>15 Hours</b>
<b>Library Media Major (Non-Certification) .....</b>	<b>36 Hours</b>
<b>Library Media Minor .....</b>	<b>18 Hours</b>

## EARLY CHILDHOOD EDUCATION

### Faculty

\*Cosgrove, Maryellen, Acting Department Head

\*Agyekum, Stephen

Ball, A. Patricia

Brandt, Patricia

\*Battiste, Bettye Anne

\*Dandy, Evelyn

Hobe, John

Jacobs, Cynthia

Moore, Marsha

Walworth, Margaret

*\*Graduate Faculty with full status*

### PROGRAM FOR THE DEGREE OF BACHELOR OF SCIENCE WITH A MAJOR IN EARLY CHILDHOOD EDUCATION

<b>A. General Requirements (Core Areas A,B,C,D, and E)</b> .....	<b>42 Hours</b>
<b>Core Area F</b> .....	<b>18 Hours</b>
CEUG 1010 - Human Growth and Development	
CEUG 2100 - Teaching and the Exceptional Child	
ECUG 2020 - Environmental, Social and Health Issues of the Young Child	
COMM 2280 - Speech Communication	
MATH 2900 - Spirit and Structure of Math	
GEOG 1111 - Physical Geography	
<b>or</b>	
GEOG 2120 - Cultural Geography	
<b>Physical Education</b> .....	<b>3 Hours</b>
<b>B. Major Field Courses*</b> .....	<b>51 Hours</b>
ECUG 3040 - Childhood and Adolescence	
ECUG 3050 - Curriculum and Methods P-5	
ECUG 3060 - Language and Cognition	
ECUG 3071 - Literature and Literacy	
ECUG 3090 - Creative Activities	
ECUG 3100 - Contemporary Social Issues of the Family	
ECUG 3110 - Pre-Kindergarten Practicum	
ECUG 3120 - Movement and Health of the Young Child	
ECUG 4070 - Social Studies	
ECUG 4080 - Life and Physical Science	
ECUG 4090 - Classroom Management	
ECUG 4100** - Student Teaching and Seminar I	
ECUG 4110** - Student Teaching and Seminar II	
CEUG 3072 - Teaching of Reading	
<b>C. Related Field Course*</b> .....	<b>3 Hours</b>
MATH 3911 - Math for Elementary School Teachers	
<i>*Must be admitted into Teacher Education to enroll in these courses.</i>	
<i>**Must also be admitted into Student Teaching to enroll in these courses.</i>	
<b>D. Content Electives</b> .....	<b>6 Hours</b>
Two courses from:	
METR 3100 - Meteorology	
OCEA 3100 - Oceanography	
GEOL 2010 - Physical Geology	
GEOL 3100 - Historical Geology	
ASTR 3100 - Stellar Astronomy	

- PSYC 3280 - Abnormal Psychology
- PSYC 3020 - Psychological Testing
- ANTH 3050 - North American Indians
- AART 3200 - Art and the Child
- LMUG 3100 - Reference Sources
- LMUG 3200 - Cataloguing and Classification
- MUSC 3200 - Music for the Elementary Teacher
- PEEC 3200 - Health and Physical Education for the Elementary School Teacher **or any other** English, History or Science courses (3000 or above)

**E. Regents' Test and Praxis I & II**

**Total Semester Hours** 123 Hours

**PROGRAM FOR THE DEGREE OF BACHELOR OF SCIENCE IN EDUCATION IN ART EDUCATION**

- A. General Requirements (Core Areas A, B, C, D, and E)** ..... 42 Hours
- Core Area F** ..... 18 Hours
- CEUG 1010 - Human Growth and Development
- CEUG 2100 - Teaching and the Exceptional Child
- AART 1111 - Design I
- AART 1112 - Design II
- ARST 2131 - Drawing I
- ARHS 2710 - Art History I
- Physical Education** ..... 3 Hours

**B. Major Courses\*** ..... 54 Hours

- AART 2011 - Painting I
- AART 2012 - Painting II
- AART 2040 - Photography
- ARST 2132 - Drawing II
- AART 2150 - The Computer in Art
- AART 2400 - Introduction to Craft
- ARHS 2720 - Art History II
- AART 3301 - Ceramics I
- AART 3400 - Printmaking I
- AART 3700 - Figure Sculpture
- AART 3750 - Contemporary Art and Criticism
- ARED 3500 - Art in the Elementary School
- ARED 3510 - Art for Pre-Adolescent and Adolescent
- AART 4500 - Curriculum and Methods in Art Education
- Any upper level division craft class
- Art Elective
- 6 Semester hours of upper division studio courses from one of the following areas:  
Drawing & Painting, Sculpture, Ceramics, Crafts or Photography

**C. Related Field Courses\*** ..... 12 Hours

- CEUG 4110\*\* - Student Teaching P-12
- CEUG 4630\* - Classroom Management P-12

\*Must be admitted into Teacher Education to enroll in these courses  
 \*\*Must also be admitted into Student Teaching to enroll in these courses

**D. Regents' Test, Praxis I, Senior Art Show and Senior Gallery Talk, Major Field Exam (Praxis II)**

**Total Semester Hours** 129 Hours

## HEALTH AND PHYSICAL EDUCATION

### Faculty

Lariscy, Michael, Department Head

Aenchbacher, Eddie

Counsil, Roger

Koth, Andreas

Knorr, Virginia

Roberts, Lynn

Wimer, Greg

### Goals and Objectives

The mission of the Department of Health and Physical Education is to provide a range of academic, service and athletic programs in an intellectually, physically, and socially stimulating environment. To accomplish these goals, the objectives of the various units of the department are:

#### Physical Education Teacher Certification Program

To provide depth and breadth of content, pedagogy and practical application in the preparation of subject matter for both health and physical education.

To provide knowledge of health and educational concepts and principles, and their applications in an educational environment and society.

To develop competency in using the processes of health and physical education in a broad range of activities to include research, laboratory skills, and field experiences.

To develop a positive attitude toward health and physical education, and the motivation to participate in a wholesome program of health-enhancing activities.

To demonstrate the ability to teach health and physical education processes, attitudes, and content to learners representing a wide range of abilities from various socioeconomic and ethnic backgrounds.

To gain the necessary knowledge of the learning process and broad range of instructional strategies and materials, with proper selection best suited for a given teaching and learning situation.

To demonstrate an understanding of the goals and objectives of the overall educational system, and how health and physical education relates to these broader purposes.

#### Physical Education Service Program

To provide a wide variety of offerings that focus upon life-long physical activities.

To develop knowledge, basic skills and appreciation of recreational sports and activities.

To provide instruction which will certify and qualify students in the areas of aquatics and safety, first aid and CPR.

To provide basic instruction in personal health practices and behaviours.

#### The Intramural Program

To provide opportunities for participation, regardless of ability, in a wide variety of sports and recreational activities to the entire college community.

To provide an opportunity to develop friendships, to increase physical fitness, and to use leisure time wisely.

To foster a spirit of sportsmanship and fair play among all participants and spectators.

#### The Intercollegiate Athletics Program

To provide the opportunity for students to participate in an intercollegiate athletics program.

To furnish a spectator sports program for the students and general public which in turn will provide a public relations opportunity for the university.

To provide an environment for learning and enjoyment regardless of whether a student is a participant or a spectator.

## **The Community Service Program**

To offer a range of activities designed to appeal to the community.

To utilize the campus gymnasias and field facilities to enhance the community image of the university.

To provide an environment of learning and enjoyment for the participants.

## **Required Physical Education Courses**

During the freshman and sophomore years, students must complete PEBC 2000 (Concepts of Fitness) or three (3) semester hours of physical education activity courses. Students unable to participate in the regular program must plan an alternative program with the Department Head of Health and Physical Education.

## **Advisement**

Any student who declares physical education as his/her major is assigned an advisor who is a faculty member. A conference must be scheduled to determine any/all conditions and requirements the student must meet in order to complete the degree and certification objectives. It is the responsibility of the student to initiate and maintain the advisement process.

## **Transfer of Courses**

Provisions for transfer of credits are delineated in the Academic Regulations section of the catalog. The procedure for transferring CATES courses is published in the Graduate Catalog.

## **Bachelor of Science in Education in Health and Physical Education**

The Bachelor of Science Degree in Education with a Major in Health and Physical Education provides the student with a degree leading to teacher certification P-12 in the areas of Health and Physical Education. The program is approved by the National Council for Accreditation of Teacher Education (NCATE) and the Georgia Professional Standards Commission. Students selecting this major should seek advisement in the Department of Health and Physical Education. Students pursuing this degree should refer to the Teacher Certification section of the catalog to find those stipulations affecting all undergraduate education programs at Armstrong Atlantic State University.

## **Progression Requirements:**

1. Successful completion of basic core requirements
  - a. General requirements
  - b. Regents' Test
2. Application for admission to major program
  - a. Departmental advisor assigned
  - b. Program of study established
3. Application for admission to teacher education (2.5 GPA required)
  - a. Media competency completion
  - b. Pre-planning practicum
  - c. Application for student teaching assignment
  - d. Praxis I
  - e. Education orientation or equivalent
4. Successful completion of departmental requirements
  - a. All additional major courses
  - b. Proficiency tests
  - c. Praxis II
5. Application for graduation

## Physical Education Minor

The minor in physical education requires 18 credit hours with grades of "C" or better. The student will select 18 hours from the following courses:

### Option One - Coaching emphasis

PEAT 2100 - Prevention and Care of Sport Injuries

*Select two courses:*

PEEC 3120 - Coaching Football

PEEC 3130 - Coaching Basketball

PEEC 3140 - Coaching Baseball and Softball

PEEC 3150 - Coaching Volleyball and Soccer

*Select two courses:*

PEHM 3070 - Aquatics

PEEC 3330 - Lifeguard Training

PEEC 3340 - Water Safety Instructor

*Select two courses:*

PEHM 3500 - Exercise Physiology

PEHM 3700 - Individual and Dual Sports

PEHM 3770 - Health and Human Sexuality Education

PEHM 3780 - Substance Abuse Education

PEHM 3800 - Sports Strategies and Methods

PEHM 4400 - Fitness Theory and Application

### Option Two - Athletic Training emphasis requires:

PEHM 2282 - Human Structure and Function II

PEHM 2283 - Kinesiology

PEHM 3500 - Exercise Physiology

PEAT 3450 - Evaluation and Treatment of Lower Body Injuries

PEAT 3460 - Evaluation and Treatment of Upper Body Injuries

PEAT 4050 - Therapeutic Modalities and Rehabilitation

### Athletic Training Internship

The Athletic Training Internship requires 28 semester hours:

PEHM 2281 - Human Structure and Function I

PEHM 2282 - Human Structure and Function II

PEHM 2283 - Kinesiology

PEHM 3500 - Exercise Physiology

PEHM 3780, - Substance Abuse Education

PEAT 3450 - Evaluation and Treatment of Lower Body Injuries

PEAT 3460 - Evaluation and Treatment of Upper Body Injuries

PEAT 4050 - Therapeutic Modalities and Rehabilitation

PEAT 4400 - Planning and Management of Athletic Training Program and Facility

PEAT 4480 - Seminar in Athletic Training

In addition to the above courses, students are required to complete 1500 hours in an athletic training setting in order to be eligible to "sit" for the NATA Boards.

## PROGRAM FOR THE DEGREE OF BACHELOR OF SCIENCE IN EDUCATION IN HEALTH AND PHYSICAL EDUCATION

A. General Requirements (Core Areas A, B, C, D, and E) .....	42 Hours
Core Area F .....	18 hours
CEUG 1010 - Human Growth and Development	
CEUG 2100 - Teaching and the Exceptional Child	
PEAT 2100 - Prevention and Care of Sport Injuries	
PEHM 2281 - Human Structure and Function I	
PEHM 2283 - Kinesiology	
PEHM 2500 - Foundations of Physical Education	
PEHM 2900 - Technology in Health and Physical Education	
Physical Education .....	3 Hours



<b>B. Major Field Courses</b> .....	<b>58 Hours</b>
PEHM 2701 - Team Sport Techniques I	
PEHM 2702 - Team Sport Techniques II	
PEHM 3000 - Current Health Education Issues	
PEHM 3780 - Substance Abuse Education	
PEHM 3500 - Exercise Physiology	
PEHM 3050 - Theory and Techniques of Dance	
PEHM 4701 - Elementary Curriculum and Methods	
PEHM/HSCP 3770 - Health and Human Sexuality Education	
PEHM 3060 - Recreational Games	
PEHM 3700 - Individual and Dual Sports	
PEHM 3800 - Sport Strategies and Methods	
PEHM 4050 - School Health Education	
PEHM 4702 - Curriculum Development and Application I	
PEHM 4200 - Assessment in Health and Physical Education Programs	
PEHM 4300 - Management Skills in Health and Physical Education	
PEHM 3070 - Aquatics	
PEHM 3080 - Outdoor Education	
PEHM 4400 - Fitness Theory and Application	
PEHM 4703 - Middle/Secondary Physical Education Curriculum and Methods	
PEHM 4900 - Student Teaching Seminar	
<b>C. Approved Electives</b> .....	<b>2 Hours</b>
<b>D. Regents' Test and Praxis I and II</b>	
<b>Total Semester Hours</b>	<b>123 Hours</b>

**MIDDLES GRADES AND SECONDARY EDUCATION**

**Faculty**

Coberly, Patricia, Acting Department Head

- |                    |                  |
|--------------------|------------------|
| Coleman, JoAnn     | Schuberth, Chris |
| Chenault, George   | Sisson, Michelle |
| Meyer, Mary Louise | Strauser, Edward |
| *Newberry, Lloyd   | Worley, Thomas   |
| Schollaert, Warren | Zipperer, Freya  |

*\*Graduate Faculty with full status*

**PROGRAM FOR THE DEGREE OF BACHELOR OF SCIENCE WITH A MAJOR IN MIDDLE GRADES EDUCATION**

<b>A. General Requirements (Core Areas A, B, C, D, and E)</b> .....	<b>42 Hours</b>
<b>Core Area F</b> .....	<b>18 Hours</b>
CEUG 1010 - Human Growth and Development	
CEUG 2100 - Teaching and the Exceptional Child	
COMM 2280 - Speech Communication	
GEOG 2120 - Cultural Geography	
MATH 2900 - Spirit and Structure of Math	
MGSE 2150 - Adolescent Growth and Development	
<b>Physical Education</b> .....	<b>3 hours</b>
<b>B. Major Field Courses*</b> .....	<b>36 Hours</b>
MGSE 3060 - Curriculum and Methods (4-8)	
MGSE 3071 - Language Arts Theory and Practice	
MGSE 3080 - Student and Program Evaluation	
MGSE 3100 - Middle School Theory and Practice	

MGSE 4090 - Classroom Management (4-8)  
 MGSE 4100\*\* - Student Teaching and Seminar I  
 MGSE 4110\*\* - Student Teaching and Seminar II  
 MGSE 4280 - Teaching Literacy  
 MGSE 4342 - Social Studies Theory and Practice (4-8)  
 MGSE 4340\*\*\* - Physical Science Theory and Practice

or

MGSE 4350\*\*\* - Life Science Theory and Practice

**C. Related Field Courses\* ..... 6 Hours**

MATH 3911 - Math for Elementary School Teachers  
 MATH 3932 - Teaching of Middle School/General Math

\*Must be admitted into Teacher Education to enroll in these courses.

\*\*Must also be admitted into Student Teaching to enroll in these courses.

\*\*\*Must select MGSE 4340 if a physical science is taken in Area D

OR select MGSE 4350 if a life science is taken in Area D.

**D. Concentration Electives ..... 18 Hours**

Three (3) advisor approved upper division courses (3000 level or higher) above the core required for each of two areas of concentration.

**E. Regents' Test and Praxis I & II**

**Total Semester Hours**

**123 Hours**

**PROGRAM FOR THE DEGREE OF BACHELOR OF SCIENCE IN  
 EDUCATION IN BUSINESS EDUCATION**

**A. General Requirements (Core Areas A, B, C, D, E, and F) ..... 42 Hours**

**Core Area F - Business Core ..... 18 Hours**

ACCT 2101 - Principles of Financial Accounting

ACCT 2102 - Principles of Managerial Accounting BUSA 1100 - Introduction to Business

BUSA 2105 - Communicating in the Business Environment

ECON 2105 - Principles of Micro-Economics

ECON 2106 - Principles of Macro-Economics

**Physical Education ..... 3 Hours**

**Freshman Year Experience ..... 2 Hours**

**B. Foundation of Knowledge of Business ..... 36 Hours**

BUSA 2106 - The Environment of Business

BUSA 4125 - Public Policy

BUSA 4126 - Business Policy

CISM 3135 - Advanced Computer Applications in Business

ECON 3145 - Global Business Issues

FINC 3155 - Business Finance

MKTG 3175 - Principles of Marketing

MGNT 3165 - Organizational Behaviour and Theory

MGNT 3167 - Management of Technology

QUAN 2181 - Quantitative Methods of Business I

QUAN 2182 - Quantitative Methods of Business II

QUAN 3185 - Quantitative Methods and Production Management

**C. Major: Management with Emphasis in Business Education ..... 24 Hours**

Orientation to Business Education Module

CEUG 1010 - Human Growth and Development

CEUG 2100 - Teaching and the Exceptional Child

MGNT 4167 - Training and Development for Human Resources

MGSE 3351\* - Secondary School Curriculum and Methods, General

MGSE 4630\* - Classroom Management

MGSE 4750\*\* - Student Teaching and Seminar

\*Must be admitted into Teacher Education to enroll in these courses.

\*\*Must also be admitted into Student Teaching to enroll in these courses.

D. Regents' Test and Praxis I & II

Total Semester Hours 125 Hours

**PROGRAM FOR THE DEGREE OF BACHELOR OF SCIENCE IN EDUCATION IN SOCIAL SCIENCE EDUCATION (HISTORY)**

A. General Requirements (Core Areas A, B, C, D, and E) ..... 42 Hours

Core Area B (One of the following Global Perspective Courses is recommended for certification purposes.)

POLS 1150 - World Politics

POLS 2250 - International Organizations

POLS 2290 - Foundations of International Relations

GEOG 1100 - World Regional Geography

ANTH 1150 - Global Perspectives in Anthropology: Peoples of the World

HIST 1111 - Civilization I

HIST 1112 - Civilization II

Core Area D (The following course is recommended for certification purposes.)

MATH 2200

Core Area F ..... 18 Hours

CEUG 1010 - Human Growth and Development

CEUG 2100 - Teaching and the Exceptional Child

GEOG 1111 - Physical Geography or

GEOG 2120 - Cultural Geography

MATH 2200\* - Elementary Statistics

Foreign Language 1002

Foreign Language 2001

\* If taken in Area D, substitute approved social science or history course

Physical Education ..... 3 Hours

B. Major Field Upper Division Courses ..... 21 Hours

HIST 4500 - Historical Methods

HIST 2111 - History of America to 1877 or

HIST 2212 - History of America since 1865 (or approved social science course if already taken in area E)

HIST 3710 - Colonial or Revolutionary America or

HIST 3770 - US History 1917-1960

Approved American History course

One or two approved European History course(s)

One or two approved Non-Western History course(s)

C. Related Field Courses ..... 18 Hours

MGSE 3351\* - Secondary School Curriculum and Methods, General

MGSE 4492\* - Secondary School Curriculum and Methods, Social Science

MGSE 4630\* - Classroom Management

MGSE 4750\*\* - Student Teaching and Seminar

\*Must be admitted into Teacher Education to enroll in these courses.

\*\*Must also be admitted into Student Teaching to enroll in these courses.

Other Upper Division Courses ..... 12 Hours

Two courses each from two of four approved Social Science fields (as determined by Social Science courses selected in Areas B, E, & F)

Electives ..... 9 Hours

Two approved Social Science courses

A second Civilization Course (if not already taken in Areas B or E, or another approved Social Science Course

D. Regents' Test and Praxis I & II

Total Semester Hours 123 Hours

**PROGRAM FOR THE DEGREE OF BACHELOR OF SCIENCE IN  
EDUCATION IN SOCIAL SCIENCE EDUCATION (POLITICAL SCIENCE)**

- A. General Requirements (Core Areas A, B, C, D, and E)..... 42 Hours**  
**Core Area B** (One of the following Global Perspective Courses is recommended for certification purposes.)  
 ANTH 1150 - Global Perspectives in Anthropology: Peoples of the World  
 GEOG 1100 - World Regional Geography  
 HIST 1111 - Civilization I  
 HIST 1112 - Civilization II  
**Core Area D (The following course is recommended for certification purposes.)**  
 MATH 2200 - Elementary Statistics  
**Core Area F** ..... 18 Hours  
 CEUG 1010 - Human Growth and Development  
 CEUG 2100 - Teaching and the Exceptional Child  
 GEOG 1111 - Physical Geography **or**  
 GEOG 2120 - Cultural Geography  
 MATH 2200\* - Elementary Statistics  
 Foreign Language 1002  
 Foreign Language 2001  
 \* *If taken in Area D, substitute approved social science or history course*  
**Physical Education** ..... 3 Hours
- B. Major Courses** ..... 21 Hours  
 Six courses from areas I-IV with at least one course from each area  
**Area I**  
 POLS 3170 - Constitutional Law and the Federal System  
 POLS 3180 - Constitutional Civil Liberties  
 POLS 4110 - American Presidency  
 POLS 4120 - Congress and Political Parties  
 POLS 4150 - American Supreme Court  
**Area II**  
 POLS 3300 - Political Philosophy: Ancient and Medieval  
 POLS 3310 - Modern Political Philosophy  
 POLS 3320 - American Political Thought  
 POLS 3330 - Contemporary Political Thought  
**Area III**  
 POLS 3260 - International Law  
 POLS 4200 - Independent Study in International Relations  
 POLS 4280 - Seminar in Global Politics  
 POLS 4290 - American Foreign Policy  
 POLS 4400 - Independent Study in Comparative Government  
**Area IV**  
 POLS 3420 - Politics of Underdevelopment: Africa and Latin America  
 POLS 3460 - Governments of East Asia  
 POLS 3480 - Governments of Western Europe  
 POLS 3490 - The Political Transformation of the Former Soviet Union  
**Capstone Course**  
 POLS 4950 - Seminar in Political Science
- C. Related Field Courses** ..... 18 Hours  
 MGSE 3351\* - Secondary School Curriculum and Methods, General  
 MGSE 4492\* - Secondary School Curriculum and Methods, Social Science  
 MGSE 4630\* - Classroom Management  
 MGSE 4750\*\* - Student Teaching and Seminar

\**Must be admitted into Teacher Education to enroll in these courses.*

\*\**Must also be admitted into Student Teaching to enroll in these courses.*

<b>Other Upper Division Courses</b> .....	<b>12 Hours</b>
Two courses each from two of four approved History/Social Science fields (as determined by History/Social Science courses selected in Areas B, E, & F)	
<b>Electives</b> .....	<b>9 Hours</b>
One upper division History course	
Two approved Social Science courses	

**D. Regents' Test and Praxis I & II**

<b>Total Semester Hours</b>	<b>123 Hours</b>
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**SPECIAL EDUCATION**

**Faculty**

\*Harwood, Pamela, Acting Department Head

Barton, Robin	Loyd, Robert
*Bergin, Joyce	Wambold, Constance
Brooks, Donna	White, Susan
Garcia, Migdalia	

*\*Graduate Faculty with full status*

**PROGRAM FOR THE DEGREE OF BACHELOR OF SCIENCE IN EDUCATION WITH A MAJOR IN SPEECH- LANGUAGE PATHOLOGY**

<b>A. General Requirements (Core Areas A, B, C, D, and E)</b> .....	<b>42 Hours</b>
<b>Core Area F</b> .....	<b>18 Hours</b>
CEUG 1010 - Human Growth and Development	
CEUG 2100 - Teaching and the Exceptional Child	
PSYC 1101 - General Psychology	
COMM 2280 - Speech Communication	
MATH 2900 - Spirit and Structure of Math	
ECUG 2020 - Environmental, Social and Health Issues of the Young Child	
<b>Physical Education</b> .....	<b>3 hours</b>
<b>B. Major Field Courses</b> .....	<b>48 Hours</b>
SLPA 1200 - Introduction to Communication Disorders	
SLPA 2250 - Phonetics	
SLPA 2230- Anatomy & Physiology of Speech & Hearing Mechanisms	
SLPA 3150 - Normal Speech & Language Development	
SLPA 3410 - Introduction to Audiology	
SLPA 3420 - Language Disorders	
SLPA 3430 - Organically Based Communication Disorders	
SLPA 3450 - Articulation Disorders	
SLPA 4140 - Non-Verbal Communication	
SLPA 4170 - Introduction to Diagnostic Procedures in Speech-Language Pathology	
SLPA 4180 - Directed Observations in Speech-Language Pathology	
SLPA 4190 - Clinical Methods in Speech-Language Pathology	
SLPA 4210 - Senior Seminar	
SLPA 4350 - Speech Science	
SLPA 4450 - Practicum in Speech-Language Pathology	
SLPA 4500 - Introduction to Research in Speech-Language Pathology	
<b>C. Related Field Courses</b> .....	<b>9 Hours</b>
CEUG 3072 - Teaching of Reading	
PSYC 3020 - Psychological Testing	
PSYC 3280 - Abnormal Psychology	

D. Free Electives .....	3 Hours
E. Regents' Test and Praxis I	

**Total Semester Hours** **123 Hours**

### Speech-Language Pathology Program Admission

Interested students must meet the established requirements for admission to the Speech-Language Pathology Program and to the College of Education. All interested students need to be referred to the College of Education Advisor to assist with determining their program admission status. The SLP program admission requirements are:

1. Each student must pass a speech, language and hearing screening administered by the faculty in the program of Speech-Language Pathology.
2. Each student must earn an average of 3.0 or better in the following courses: Introduction to Communicative Disorders, Phonetics, **and** Anatomy and Physiology of the Speech & Hearing Mechanism.
3. Each student must have a positive endorsement from a member of the faculty in the area of Speech-Language Pathology based upon the established SLP professional conduct standards.
4. Each student must have earned a cumulative overall GPA of 2.5 for acceptance into the SLP Program.
5. Each student must also meet all Admission to Teacher Education requirements.

### Program Certification/Licensure

The undergraduate Speech-Language Pathology Program does not prepare students for initial certification regardless of the work setting. All students must complete a graduate training program in SLP to be eligible for certification and/or licensure.

### Library Science/Media

The Library Science/Media program has two emphases: (1) basic information skills courses and specialized skill courses designed to help students in specific subject areas develop research skills; and (2) a major and minor in library media designed to prepare students for support positions in academic, public, and special libraries. For students wanting to be school library media specialists, completion of a master's degree program is required for certification in the state of Georgia.

The Library Media program provides a solid foundation toward an advanced degree in library media and information science.

### Library Media Major (Non-Certification)

A student may choose any field of concentration which allows a double major. The major in Library Media is comprised of the following:

<b>A. Major Field Courses</b> .....	<b>18 Hours</b>
LMUG 3000 - Introduction to Media Profession	
LMUG 3100 - Reference Sources	
LMUG 3200 - Cataloging and Classification	
LMUG 4100 - Media Selection	
LMUG 4200 - Administration of Information Centers	
LMUG 4250 - Media Internship	
<b>B. Related Field Courses</b> .....	<b>3 Hours</b>
CSCI 1050 - Introduction to Computer Concepts and Applications	
or	
CSCI 1060 - Computer Concepts and Applications for Science Students	
<b>C. Electives</b> .....	<b>15 Hours</b>

**Total Semester Hours** **36 Hours**

**Library Media Minor**

A student choosing to minor in Library Media is required to complete the following courses with grades of "C" or better in each:

**A. Minor Field Courses ..... 8 Hours**

LMUG 3000 - Introduction to Media Profession

LMUG 3100 - Reference Sources

LMUG 3200 - Cataloging and Classification

**B. Related Field Courses ..... 10 Hours**

**LMUG 4100 - Media Selection**

LMUG 4200 - Administration of Information Centers

LMUG 4250 - Media Internship

**Total Semester Hours**

**18 Hours**

# School of Health Professions

Repella, James, Dean  
Buck, Marilyn, Assistant Dean

## Vision Statement

Armstrong Atlantic State University School of Health Professions, as a regional health professions education center of the University System of Georgia, exists to provide collaborative leadership in health care and health promotion by:

- Employing innovative teaching strategies to prepare competent, caring, adaptable, critically thinking practitioners.
- Conducting and applying research to expand the knowledge base of health care and its delivery.
- Improving the quality of life of the citizens of the region through community and professional service.

Our vision is to lead, through academic excellence, regional health promotion efforts and health care delivery into the next century.

## Goals

With administrative guidance and support, the Armstrong Atlantic State University School of Health Professions will achieve the following goals:

- Deliver innovative educational programs and services relevant to current and future health needs of the region.
- Achieve excellence in education and practice through creative use of traditional and innovative instructional techniques and technology.
- Cultivate professional cooperative relationships through dynamic communication and interaction between faculty, students, and community.
- Reflect the humanistic values that underlie effective practice in health promotion and health care.
- Utilize critical thinking as the basic approach to improving the educational process and delivery of services.
- Emphasize both the acceptance and initiation of change through collaborative partnerships within the School and with our constituencies.
- Contribute to generation of new knowledge through the educational process, scholarly activities, and participation in professional and community service activities.

## Organization and Degrees

The School of Health Professions includes the departments of Dental Hygiene, Health Science, Nursing, Physical Therapy, Radiologic Sciences, Respiratory Therapy; and the degree program in Medical Technology.

The following degree programs are offered within the School:

Associate in Science in:

Dental Hygiene

Bachelor of Health Science

Bachelor of Science in:

Dental Hygiene Education

Medical Technology

Nursing

Physical Therapy

Radiologic Technologies

Respiratory Therapy

Master of Public Health

Master of Health Services Administration



Master of Science in Nursing  
Master of Science in Physical Therapy

### **School of Health Professions Statement of Professional Standards Related to Applicants and Students**

All applicants to and students enrolled in the School of Health Professions must meet and continue to meet the approved professional standards of the School and respective programs.

1. In order to meet the intellectual, physical and social competencies necessary to meet professional requirements, all applicants and students must possess the needed physical attributes, and exhibit qualities of good judgment, mental strength and emotional stability.
2. No applicant who may jeopardize the health and /or the well being of a patient, client, coworker, or self, may be accepted into the School of Health Professions program or continue as a student within a program.
3. Presentation of the professional self is a vital part of the complex relationship among the client, the health care provider, and the health care delivery site. To enhance the client / provider relationship, and to preclude non-admittance to the clinical areas, the School of Health Professions limits the attire and adornments (e.g. clothing, jewelry, piercing, tattooing) of the body and its parts (e.g. hands, hair, face, and oral cavity). See the policies of the respective departments for the enforcement of the school-wide policy.
4. The individual programs will inform each applicant in writing of the technical standards which are related to the professional duties of the discipline.
5. The faculty of each program or department shall be responsible for applying the standards for their students and prospective students.
6. In all cases, final appeal may be brought to the attention of the Dean of Health Professions who would appoint an Appeals committee.

### **Insurance**

Because of contractual requirements, **A completed Health History and Health Insurance is required** of students in Dental Hygiene, Medical Technology, Nursing, Physical Therapy, Radiologic Technologies, and Respiratory Therapy. **Malpractice/Liability Insurance is required** of students in Dental Hygiene, Medical Technology, Nursing, Physical Therapy, Radiologic Technologies, and Respiratory Therapy.

### **Limits on Admission to Health Professions Programs**

There are many more students applying for admission to these programs than we have spaces available. Therefore,

1. **IT IS IMPORTANT THAT YOU CONTACT THE PROGRAM OF YOUR CHOICE FOR ADVISEMENT AS SOON AS POSSIBLE**
2. Admission to Armstrong Atlantic State University and /or completion of prerequisite courses do/does not guarantee you admission to a Health Professions program. Because each program has its own admission criteria and procedure for admission, students must apply to the particular programs they wish to enter.
3. **NO MORE THAN TWO (2) SCIENCE COURSES MAY BE REPEATED**, and that **NO ONE COURSE MAY BE REPEATED MORE THAN ONCE**. If a student fails a course a second time, he/she will not be eligible for admission to the health programs for which this course is a requirement.
4. **ONLY STUDENTS MAKING SATISFACTORY PROGRESS** toward admission to or in an Armstrong Atlantic State University health program will be assigned a science seat.

## Limits on Readmission to Health Professions Programs

If a student fails (i.e. less than a grade of "C") two courses in his/her major or fails the same course twice in his/her major, that student is ineligible for readmission to that major.

Refer to the Armstrong Atlantic State University Graduate Catalog for further information on graduate programs.

## Interdisciplinary Core Curriculum

The School of Health Professions has developed a series of interdisciplinary courses designed to provide health professions students with common knowledge, skills and values necessary to practice in the evolving health care delivery systems. Included in this core curriculum are introductory courses in health care and medical terminology, research, pharmacology, basic patient care skills, and an interdisciplinary seminar.

## Dental Hygiene

### Faculty

\*Tanenbaum, Barbara, Department Head

Coursey, Teresa

Edenfield, Suzanne

Mengle, Janice

Stubbs, Barbara

*\*Graduate Faculty with full status*

The mission of the dental hygiene programs is to educate dental hygiene students who will demonstrate competent clinical skills, effective communication skills, respect for the dental team, and professional and ethical standards in providing complete dental hygiene patient care upon graduation. During the educational process, the program fosters the development of life-long learning with faculty who are current in academic and clinical knowledge.

### Student Outcomes

The dental hygiene student and graduate will:

1. exhibit the ability to demonstrate competent clinical skills.
2. demonstrate respect for the dental team and possess ethical and professional standards.
3. integrate academic knowledge from general education, biomedical sciences, dental sciences, and dental hygiene sciences into practical application.
4. develop effective communication skills to disseminate preventive dental health education in the clinical setting and in the community.
5. develop an interest in life-long learning through development of critical thinking and research skills to become an effective change agent.

The student must complete a curriculum of 78 semester hours for the two-year program leading to the Associate in Science Degree in Dental Hygiene. Dental hygienists provide dental health services in private dental offices, civil service positions, industry, and in various public health fields. They practice under the supervision of a dentist and must pass a national and a regional or state board examination for licensure. The curriculum is fully approved by the Commission on Dental Accreditation of the American Dental Association.

### Legal Requirements

The Georgia Board of Dentistry shall have the authority to refuse to grant a license to an applicant who has been convicted of any felony or any crime involving moral

turpitude. This law is further defined in 43-11-47 of the *Georgia Board of Dentistry Laws*. Because of the inability of these persons to become or remain Registered Dental Hygienists, persons to whom this law applies may not be admitted into the Program or may be dismissed from the Program.

### **Technical Standards**

Minimum physical and communication technical standards are part of the admission process. Complete technical standards are included in the admissions information packet.

## **PROGRAM FOR THE DEGREE OF ASSOCIATE IN SCIENCE IN DENTAL HYGIENE**

### **Admission Requirements**

See "Limits on Admission to Health Professions Programs" in the School of Health Professions section of this catalog.

Admission to Armstrong Atlantic State University does not in any way guarantee admission to the Associate Degree Program in Dental Hygiene. Applicants must first be accepted for admission to the University with regular admission status before the Dental Hygiene Admissions Committee evaluates the application to the Associate Degree Program in Dental Hygiene.

Admission to the program is limited in each class. Students matriculate in the Fall semester of each year. Applications for admission must be completed by the deadline for the Fall semester and must include a transcript of all academic work. Please contact the department for application deadline date.

The Department has a separate formal admission process in addition to the admission process to Armstrong Atlantic State University. The Admissions Committee will act only on completed applications.

The program requires students to submit a complete health history form, evidence of health insurance, and evidence of liability (malpractice) insurance prior to participation in clinical experiences.

### **Criteria for Admission**

Admission to the Associate Degree Dental Hygiene major is on a space available basis and is limited to the best qualified students as determined by the Dental Hygiene Admissions Committee using an Admission Point Index system. This system is based upon College GPA, number of college credits completed, and science GPA. Special emphasis is placed upon grades earned in Chemistry 2010, Biology 2081, Biology 2082, and Biology 2210 (or their equivalents). The following are admission criteria:

1. Admission to Armstrong Atlantic State University.
2. Eligibility for ENGL 1101 and MATH 1101.
3. A minimum adjusted college GPA of 2.0.
4. Students must meet all legal requirements for licensure. See "Dental Hygiene" section of this catalog, "Legal Requirements."

Meeting requirements does not guarantee admission to the Dental Hygiene Major.

After admission to the Dental Hygiene Department, the student must pay a \$50.00 non-refundable Health Programs Deposit to reserve a seat in the program. This deposit is applied to the student's first semester matriculation fee.

Students must complete the Associate Degree in Dental Hygiene program within four consecutive academic years from the date of their initial entry into the program. Students who do not complete the program within this time limit must apply for readmission, meet current criteria for admission, and have their previous credits evaluated at the time of their subsequent admission. Students who are readmitted must meet course requirements in effect at the time of their readmission.

## Challenge Examinations

Challenge examinations for specific dental hygiene subject areas are available in the department. Contact the department for information.

## Transfer Applicants

Transfer applicants and those with degrees in other fields must meet the criteria established for admission to the dental hygiene major. Transfer credit will be awarded depending upon equivalency of courses. These decisions will be determined by the Department of Dental Hygiene faculty who will use actual course outlines, descriptions, etc., supplied by the student.

## Readmission Procedures

1. The student must complete the readmission applications for Armstrong Atlantic State University and the Department of Dental Hygiene.
2. The student will be required to meet admission and curriculum requirements in effect at the time of readmission.
3. The student's readmission will be based upon space availability and recommendation by the Dental Hygiene Admissions Committee.
4. The student must have his/her previous credits evaluated at the time of readmission.

## ARMSTRONG ATLANTIC/COASTAL GEORGIA AND EAST GEORGIA INNOVATIVE CURRICULUM

The Department of Dental Hygiene offers a part-time curriculum via distance learning for students who have been formally admitted to the program and reside either within the Brunswick or Swainsboro service areas. Application, admission, requirements, and policies for this program are consistent with the traditional associate degree program. Information and applications for this program can be obtained by contacting the Department.

## Progression Requirements

1. The student must earn a "C" or better in each dental hygiene course before registering for subsequent dental hygiene courses.
2. The student must earn a "C" or better in each of the four required natural science courses (CHEM 2010, BIOL 2081-2082, and BIOL 2210) as a prerequisite to the 2000 level dental hygiene courses. No more than two Science courses may be repeated and no more than one course may be repeated more than once. If a student fails a course a second time, he/she will not be eligible for admission to the dental hygiene program.
3. If a student fails two courses in the dental hygiene major or fails the same course twice in the dental hygiene major, that student is ineligible for readmission to the dental hygiene program.
4. Challenge examinations for specific dental hygiene subject areas are available in the department. Contact the department for information.
5. All students must submit a complete medical report form, evidence of health insurance, and evidence of liability (malpractice) insurance prior to participation in clinical experiences.
6. Students must obtain CPR certification prior to entering DHYG 1102.
7. All students must have passed the Regents' Exam before entering their last semester.
8. An overall GPA of 2.0 is required for graduation.

**PROGRAM FOR THE DEGREE OF ASSOCIATE IN SCIENCE IN DENTAL HYGIENE**

	<b>Hours</b>
<b>A. General Requirements</b> .....	<b>33</b>
ENGL 1101 - Composition I	
ENGL 1102 - Composition II	
MATH 1111 - College Algebra	
CHEM 2010 - Essentials of Chemistry	
BIOL 2081 - Human Anatomy and Physiology I	
BIOL 2082 - Human Anatomy and Physiology II	
BIOL 2210 - Microorganisms and Disease	
HIST/POLS 1100 - Political History of America and Georgia	
SOCI 1101 - Introductory Sociology	
PSYC 1101 - General Psychology	
<b>Physical Education</b> .....	<b>2</b>
<b>B. Courses Taken in Major Field</b>	
<b>Required Courses:</b> .....	<b>43</b>
DHYG 1100 - Head and Neck Anatomy	
DHYG 1101 - Clinical Dental Hygiene I	
DHYG 1102 - Clinical Dental Hygiene II	
DHYG 1110 - Dental Anatomy	
DHYG 1120 - Dental Roentgenology	
DHYG 1130 - General and Oral Pathology and Oral Histology	
DHYG 1140 - Periodontics	
DHYG 2201 - Clinical Dental Hygiene III	
DHYG 2202 - Clinical Dental Hygiene IV and Ethical Decisions	
DHYG 2210 - Pharmacology, Emergency Management, and Anesthesiology	
DHYG 2220 - Dental Materials	
DHYG 2230 - Applied Nutrition	
DHYG 2240 - Preventive Periodontics	
DHYG 2250 - Dental Public Health	
<b>Total Semester Hours</b>	<b>78</b>

**C. Regents' Test and Exit Exams**

**PROGRAM FOR THE DEGREE BACHELOR OF SCIENCE IN DENTAL HYGIENE EDUCATION**

The Bachelor of Science in Dental Hygiene Education Program is designed for the post associate degree registered dental hygienist. The goal of the program is to provide additional education in preparation to assume key roles in educational and other settings. Students may choose to enter the program as a full or part-time student allowing for flexibility of class and work schedules. The program is comprised of preparatory courses that will enable the student to be employed in areas such as dental hygiene and dental assisting instruction, dental health education, and public health. The student will work with the dental hygiene faculty and participate in the student teaching practicums in various associate degree classes, clinics, laboratories, and extra-mural facilities.

**Admission Requirements**

Candidates for the program must be graduates of accredited associate degree dental hygiene programs and licensed as registered dental hygienists. Students begin their course of sequenced dental hygiene courses in the Fall semester. Application for admission should be completed prior to the beginning of Fall semester. Transfer credits are accepted for courses other than the professional sequence. A minimum of 30 semester hours must be earned at Armstrong Atlantic State University

for the Bachelor of Science Degree in Dental Hygiene Education to be awarded from this institution. The Office of the Registrar will evaluate all transfer credits. The Department has a separate formal admissions process in addition to the admission process to Armstrong Atlantic State University.

The program requires students to submit a complete health history form, evidence of health insurance, and evidence of liability (malpractice) insurance prior to participation in clinical experiences.

**Criteria for Admission**

Admission requirements include:

1. Dental Hygiene Licensure.
2. One year of professional experience preferred. This may include any dental-related work experience.
3. A minimum 2.0 GPA on all previous college work. Students transferring from another college must have this average to be considered for admission. The 2.0 average must be maintained to date of actual matriculation in the program.

**Application Process**

1. Complete all application forms required for admission to Armstrong Atlantic State University.
2. Complete the separate Dental Hygiene Bachelor of Science Application Form and return to the Department.
3. Submit National Board Scores to the Department of Dental Hygiene.
4. Submit proof of State licensure.

**Progression Requirements**

The student must earn a "C" or better in each dental hygiene course before registering for subsequent dental hygiene courses.

**PROGRAM FOR THE DEGREE OF BACHELOR OF SCIENCE IN DENTAL HYGIENE EDUCATION**

	<b>Hours</b>
<b>A. General Requirements (Core Areas A, B, C, D.2.B., and E) .....</b>	<b>42</b>
<b>Core Area F: .....</b>	<b>39</b>
<p style="margin-left: 20px;">Credit based on valid dental hygiene licensure and passing applicable national, state and/or regional examinations and program specific courses taken as part of the career associate degree at AASU or another accredited dental hygiene program. The 18 hours of Area F are included in the 39 hour career block. Area F plus lower level dental hygiene courses equal 39 hours.</p>	
<b>Physical Education .....</b>	<b>3</b>
<b>B. Courses Taken in Major Field</b>	
<b>1. Required Courses .....</b>	<b>21</b>
<p>DHED 3300 - Dental Hygiene Research</p> <p>DHED 4400 - Foundations of Dental Hygiene Education</p> <p>DHED 4401 - Educational Methods in Dental Hygiene Education I</p> <p>DHED 4402 - Educational Methods in Dental Hygiene Education II</p> <p>DHED 4403 - Directed and Individual Study</p> <p>HLPR 4200 - Interdisciplinary Health Professions Seminar</p> <p>One Course Selected From:</p> <p style="margin-left: 40px;">DHED 3310 - Dental Management of Medically Compromised Patient</p> <p style="margin-left: 40px;">DHED 4410 - Advanced Periodontics</p> <p style="margin-left: 40px;">DHED 4490H - Honors Advanced Periodontics</p>	
<b>2. Related Field Courses .....</b>	<b>18</b>
<p>HSCA 4640 - Managed Care Concepts</p>	

HSCP 5550U - Nutrition  
 PSYC 3750 - Psychology of Aging  
 PSYC 3050 - Topics in Development

or

PSYC 3500 - Cognitive Psychology

One Course Selected From:

HSCA 4620 - Health Care Administration

HSCC 3120 - Health Policy and Law

HSCP 3720 - Ethical Theories and Moral Issues in Public Health

One Course Selected From:

HSCG 5500U - Survey of Gerontology

HSCG 5510U - Healthy Aging

Total Semester Hours

123

### C. Regents' and Exit Exams

## Health Science

### Faculty

\*Streater, James, Department Head & Graduate Coordinator

\*Crosby, Joey

\*DiGiacchino, Rita

\*Simon, Emma T.

\*Dumpe, Dave

\*Wright, Linda L.

\*Lefavi, Robert

\* Graduate Faculty with full status

The overall mission of the Bachelor of Health Science program is to make available an educational opportunity for persons interested in entering a health field and an academic program for experienced health professionals who wish to further their career opportunities. More specifically, the objectives of the program are:

1. To prepare students with the knowledge that behavioral change can occur through education;
2. To prepare students to foster health, health promotion, and disease prevention;
3. To provide the opportunity for students to gain expertise in the health related areas of health promotion/education, administration, nursing and allied health professions, or athletic training.

The emphasis of the curriculum is to view "health" as different from "illness" and to teach new students and practicing health professionals of this difference. The curriculum will permit the student to earn a baccalaureate degree that reflects expertise in health science while focusing on an applied health related area. Upon graduation, these health professionals will implement the concepts they have learned and direct the efforts of the public in the promotion, enhancement, and maintenance of health and in the prevention of health problems.

### Admission Requirements

1. Regular admission to Armstrong Atlantic State University.
2. Eligibility for MATH 1111 or ENGL 1101.
3. Adjusted college GPA of 2.25, if applicable.
4. Formal interview conducted by health science faculty members.
5. Completed health science program application.

**Program Completion Requirements**

Students must complete the Bachelor of Health Science Program within six consecutive years from the date of their initial admission to the major. Students who do not complete the program within this time limit must apply for readmission, meet current criteria for admission, and have their previous credits calculated. Students who are granted readmission must meet course requirements in effect at the time of readmission.

**Progression Requirements**

1. Students must earn a "C" or better in each course in the Health Science core and emphasis area.
2. If a student does not earn a "C" or better in a course in the Health Science core and emphasis area, the student may repeat the course only one time. If a student fails to earn a "C" or better on the second attempt, the student will be dismissed from the program.
3. Senior Bachelor of Health Science Students must successfully complete the Bachelor of Health Science Exit Exam and the University's General Education Exit Exam in the last semester before graduation.
4. All Bachelor of Health Science students must have current CPR certification at the time of graduation.

**Program for the Degree of Bachelor of Health Science**

	<b>Hours</b>
<b>A. General Requirements (Core Areas A, B, C, D.1., and E) .....</b>	<b>42</b>
<b>Core Area F: .....</b>	<b>18</b>
COMM 2280 - Speech Communication	
CSCI 1050 - Computer Concepts and Applications	
HLPR 1100 - Health Care and Medical Terminology	
HSCC 2110 - Health and Human Development	
Two courses selected from:	
*MATH 2200 - Statistics	
**ANTH 1102 - Anthropology	
**ECON 2105 - Macroeconomics	
**PSYC 1101 - Psychology	
**SOCI 1101 - Sociology	
* If not taken in Area D.	
**If not taken in Area E.	
<b>Physical Education .....</b>	<b>3</b>
<b>B. Courses Taken in Major Field</b>	
<b>Required Courses: .....</b>	<b>17</b>
HLPR 2000 - Research in the Health Professions	
HSCC 3000 - Health Issues and Resources	
HSCC 3010 - Health Communication Strategies	
HSCC 3120 - Health Policy and Law	
HSCC 3140 - Epidemiology	
HSCC 4010 - Health Planning and Marketing	
<b>C. Related Field Courses</b>	
<b>Specialty Tracks: (Student will choose one specialty track.)</b>	
<b>Track I - Health Services Administration .....</b>	<b>43</b>
HSCA 3601 - Health Care Finance I	
HSCA 3602 - Health Care Finance II	
HSCP 3710 - Worksite Wellness and Safety	
HSCP 3720 - Ethical Theories and Moral Issues in Public Health	
HSCA 4610 - Health Care Economics	



HSCA 4620 - Health Care Administration  
 HSCA 4630 - Health Information Systems  
 HSCA 4640 - Managed Care Concepts  
 HSCA 4920 - Health Services Administration Practicum  
 PSYC 3200 - Industrial/Organizational Psychology  
 PSYC 3210 - Psychology of Work Behavior  
 HLPR 4200 - Interdisciplinary Health Professions Seminar  
 Electives (6 hours)

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**Total Semester Hours 123**

**Track II - Long Term Care** ..... 43  
 HSCA 3601 - Health Care Finance I  
 HSCA 3602 - Health Care Finance II  
 HSCP 3710 - Worksite Wellness and Safety  
 HSCA 4610 - Health Care Economics  
 HSCA 4620 - Health Care Administration  
 HSCA 4640 - Managed Care Concepts  
 HSCA 4650 - Long Term Care Management  
 HSCA 4901 - Health Science Practicum I  
 HSCA 4902 - Health Science Practicum II  
 HSCA 5650U - Seminar in Long Term Care Administration  
 HSCG 5500U - Survey of Gerontology  
 HSCG 5510U - Healthy Aging  
 HLPR 4200 - Interdisciplinary Health Professions Seminar  
 PSYC 3200 - Industrial/Organizational Psychology  
 Electives (3 hours)

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**Total Semester Hours** ..... 123

**Track III - Public Health** ..... 43  
 HSCP 3730 - Health Promotion Theory  
 HSCP 3740 - Health Promotion Methods  
 HSCP 3750 - Topics in Public Health  
 HSCP 4900 - Health Science Practicum  
 HSCP 5700U - Environmental Health Issues  
 HLPR 1200 - Multidisciplinary Skills in Health Professions

A minimum of 17 semester hours chosen from the following:  
 PEHM 2281 - Human Structure and Function I  
 PEHM 2282 - Human Structure and Function II  
 HSCP 3710 - Worksite Wellness and Safety  
 HSCP 3720 - Ethical Theories and Moral Issues in Public Health  
 HSCP 3770 - Health/Sexuality Education  
 HSCP 3780 - Health and Drug Education  
 HSCP 3790 - Health and Fitness Management  
 HSCP 4000 - Independent Study in Health Sciences  
 HSCA 4620 - Health Care Administration  
 HSCA 4630 - Health Information Systems  
 HSCA 4640 - Managed Care Concepts  
 HSCP 5550U - Nutrition  
 HSCG 5500U - Survey of Gerontology  
 HSCG 5510U - Healthy Aging  
 PSYC 3150 - Conflict and Stress  
 PSYC 3200 - Industrial/Organizational Psychology  
 Electives (9 hours)

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**Total Semester Hours** ..... 123

<b>Track IV - Athletic Training</b> .....	<b>43</b>
PEHM 2281 - Human Structure and Function I	
PEHM 2282 - Human Structure and Function II	
PEHM 2283 - Kinesiology	
PEHM 3500 - Exercise Physiology	
PEHM 3770/HSCP 3770 - Health and Human Sexuality Education	
PEHM 3780/HSCP 3780 - Substance Abuse Education	
PEHM 4400 - Fitness Theory and Application	
PEAT 2100 - Prevention and Care of Sports Injuries	
PEAT 3450 - Evaluation and Treatment of Lower Body Injuries	
PEAT 3460 - Evaluation and Treatment of Upper Body Injuries	
PEAT 4050 - Therapeutic Modalities in Rehabilitation	
PEAT 4400 - Planning and Management of Athletic Training Programs and Facilities	
PEAT 4480 - Seminar in Athletic Training	
PEAT 5350U - Field Experience in Athletic Training - Training Room	
PEAT 5360U - Field Experience in Athletic Training - Lab School	
PEAT 5370U - Field Experience in Athletic Training: Clinic	
<b>Total Semester Hours</b>	<b>123</b>
<b>Track V - Pre-Physical Therapy</b>	
<b>A. General Requirements</b> .....	<b>42</b>
(Core Areas A (must take MATH 1113), B, C, D.2.A., and E)	
<b>Core Area F:</b> .....	<b>18</b>
PHYS 1111 - Physics I	
PHYS 1111L - Physics I Lab	
BIOL 2081 - Human Anatomy and Physiology I	
BIOL 2082 - Human Anatomy and Physiology II	
CSCI 1050 - Computer Concepts and Applications	
HLPR 1100 - Health Care and Medical Terminology	
<b>Physical Education</b> .....	<b>3</b>
<b>B. Courses Taken in Major Field</b>	
<b>Required Courses:</b> .....	<b>24</b>
HSCC 2110 - Health and Human Development	
HSCC 3000 - Health Issues and Resources	
HSCC 3010 - Health Communication Strategies	
HSCC 3120 - Health Policy and Law	
HSCC 3140 - Epidemiology	
HSCC 4010 - Health Planning and Marketing	
HLPR 2000 - Research in the Health Professions	
PHYS 1112 - Physics II	
PHYS 1112L - Physics II Lab	
<b>C. *Professional Physical Therapy Program</b> .....	<b>36</b>
<b>Required Courses:</b> .....	<b>36</b>
PHTH 5101U - Functional and Structural Aspects of Movement I	
PHTH 5131U - Foundations of Physical Therapy Assessment and Treatment I	
PHTH 5161U - Physical Therapy Practice Issues I	
PHTH 5181U - Clinical Practicum I	
PHTH 5202U - Functional and Structural Aspects of Movement II	
PHTH 5232U - Foundations of Physical Therapy Assessment and Treatment II	
PHTH 5262U - Physical Therapy Practice Issues II	
PHTH 5282U - Clinical Practicum II	
PHTH 5290U - Physical Therapy Case Management	
<i>* If admitted to the professional phase of the Physical Therapy Program.</i>	
<b>Total Semester Hours</b>	<b>123</b>
<b>Regents' Test and Exit Exams</b>	

## Health Science Gerontology Certificate Program

**Goal:** To provide students with a multi-disciplinary background in aging and to offer the opportunity to explore aspects of aging relevant to personal interests and career goals.

**Securing Admission to the Certificate Program:** Students must complete the application for admission to the certificate program and return it to the Health Science Department. Upon receipt of the application, the student will be invited to meet with an assigned faculty member to discuss the proposed program of study. A minimum grade of "C" or better must be earned in each course for the certificate to be awarded on the undergraduate level.

**Curriculum Requirements:** The Gerontology Certificate Program consists of six courses (18 semester hours).

HSCG 5500U - Survey of Gerontology

HSCG 5520U - Gerontology Practicum\*

Four courses chosen from:

HSCP 5550U - Nutrition

PSYC 3750 - Psychology of Aging

PEEC 5580U - Physical Activity and the Older Adult

HSCG 5510U - Healthy Aging

Approved Elective

\* *All above listed courses are prerequisites/corequisites to HSCG 5520U.*

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## Medical Technology

### Faculty

Hardegree, Lester Jr., Program Director

Edgar, John Ralph, Medical Director

Rodgers, Anne

Medical technology is a career in clinical laboratory science. Medical technologists perform and/or supervise the testing of blood, urine, spinal fluid and other body specimens. Applying a knowledge of chemistry, mathematics and biology, the medical technologist uses both manual and automated techniques to provide diagnostic data to physicians.

The Medical Technology (MT) Program offers the Bachelor of Science degree in Medical Technology and a Post-Bachelor's Certificate in Medical Technology. The B.S. in Medical Technology is awarded to students who complete all degree requirements for Armstrong Atlantic State University. Entering freshman, transfer students, and associate degree medical laboratory technicians are eligible for the degree. The Post-Bachelor's Certificate is awarded to those who have completed a degree in biology, chemistry, microbiology or related science fields and to transient students from other institutions affiliated with the program which award the Bachelor of Science degree.

The B.S. in Medical Technology curriculum is a 4 year program. During the first two or three years, students complete core curriculum courses in chemistry, biology, mathematics, humanities and social sciences. The four semester professional phase starts each Fall semester. Courses cover the major laboratory areas (urinalysis, hematology, clinical chemistry, blood banking, microbiology, serology) and are taught on campus. The clinical practicum is provided in the clinical laboratories of St. Joseph's/Candler Health System, the South Atlantic Red Cross Blood Center, Memorial Medical Center, and Tuttle Army Health Clinic, all located in Savannah; Bulloch Memorial Hospital in Statesboro, GA; and Effingham Hospital in Springfield. Upon completion of the program, graduates are eligible to take the certification examination of the Board of Registry for Medical Technologists of the American Society of Clinical Pathologists and the Clinical Labora-

tory Scientist examination of the National Certification Agency for Medical Laboratory Personnel.

### **Admission Requirements**

The professional phase of the Medical Technology curriculum begins in the Fall semester of each year with the MT courses. Students desiring acceptance to the Medical Technology Program should make application to the program before April 1 for the August class.

### **Minimum Admission Requirements**

1. SAT of at least 830 with 400 or more in Math and 430 or more in Verbal.
2. Cumulative Grade Point Average of 2.2 or more.
3. Completion of required chemistry and biology courses prior to the senior year.
4. Science course (Chemistry and Biology) average of 2.25 or better with no more than one required science course with a grade of "D"
5. Satisfactory completion of Regents' Test.
6. All applicants must meet the requirements for admission to Armstrong Atlantic State University as outlined in the University catalog.

### **Other Requirements**

Per National Accrediting Agency for Clinical Laboratory Sciences (NAACLS) requirement, all applicants must have taken the organic or biochemistry course and the microbiology course within the past seven years. Updating coursework can be done by completion (a grade of "C" or better) of the appropriate course or by a challenge examination.

Currently enrolled Armstrong Atlantic State University students must also meet the requirements for admission to the MT program and apply to the program.

Transfer students must be accepted to the college with "Regular Status" admission.

Certified associate degree medical laboratory technicians may receive transfer credit for junior level MT courses upon presentation of acceptable certification scores and/or transfer credit and satisfactory completion of written and/or practical examinations in the professional content areas.

An applicant with B.S. degree not desiring the B.S. in Medical Technology degree must meet the NAACLS academic prerequisites for Medical Technology. These students will be awarded a certificate upon completion of the professional coursework.

### **Application Process**

1. Complete all requirements for Application for Admission to Armstrong Atlantic State University if not currently enrolled at AASU.
  2. Complete an Application to Medical Technology Program form.
  3. Have official transcripts sent to Program Director.
  4. If certified, have scores sent to Program Director. (Ask Program Director for form letter.)
  5. A select number of applicants who meet the minimum admission requirements will be invited for an interview with the Admission Committee.
  6. Request two references to complete a Confidential Appraisal Form to be forwarded to Program Director.
- All applicants will be informed by letter of their application status.

### **Post Acceptance Requirements**

Students accepted into the program will be required to submit a complete Armstrong Atlantic State University Health Professions Student Health Appraisal form. Prior to enrollment in the clinical practicum the student will be required to provide evidence of

liability insurance and medical coverage. Students are responsible for their own transportation to and from the clinical sites and are required to adhere to arranged hospital time schedule. Current requirements may be found in the latest MT Application brochure.

**Progression Requirements**

1. The student must earn a "C" or better in each Medical Technology course.
2. A student may repeat a single MT course only one time and at the next offering provided space is available.
3. A student who fails to earn a "C" or better upon repeating an MT course or who fails to earn a "C" in a subsequent MT course will be dismissed from the program with no option for readmission.
4. The student must maintain an overall adjusted Grade Point Average of 2.0 or better. A student who falls below the 2.0 GPA will be placed on "Suspension" from the program for one semester. If the student's GPA is not raised by the end of the next semester, then the student will be dismissed from the program.
5. The student must complete the professional coursework within three (3) consecutive years from the date of their initial admission to the Medical Technology Program.

**PROGRAM FOR THE DEGREE OF BACHELOR OF SCIENCE IN MEDICAL TECHNOLOGY**

	<b>Hours</b>
<b>A. General Requirements (Core Areas A, B, C, D.2.A., and E)</b> .....	<b>42</b>
<b>Core Area F</b> .....	<b>18</b>
BIOL 1107 - Biology I	
*CHEM 1211 - Chemistry I	
*CHEM 1212 - Chemistry II	
CHEM 2101 - Organic Chemistry I	
One course from the following electives:	
BIOL 2081 - Human Anatomy and Physiology I	
BIOL 2082 - Human Anatomy and Physiology II	
Other approved courses (e.g., Biology, Chemistry, Computer Science)	
<i>*If taken in Area D, substitute elective from Area F.</i>	
<b>Physical Education</b> .....	<b>3</b>
<b>B. Courses Taken in Major Field</b>	
<b>1. Required Courses:</b> .....	<b>52</b>
MEDT 3000 - Introduction to Medical Laboratory Science	
MEDT 3001 - Introduction to Medical Laboratory Methods	
MEDT 3100 - Urinalysis and Body Fluids	
MEDT 3200 - Clinical Microbiology	
MEDT 3300 - Clinical Hematology and Hemostasis	
MEDT 3400 - Clinical Immunohematology	
MEDT 3501 - Clinical Chemistry I	
MEDT 3502 - Clinical Chemistry II	
MEDT 3600 - Clinical Instrumentation	
MEDT 3700 - Clinical Immunoserology	
MEDT 3800 - Clinical Parasitology	
MEDT 3900 - Clinical Mycology and Virology	
MEDT 4110 - Phlebotomy Practicum	
MEDT 4210 - Clinical Microbiology Practicum	
MEDT 4310 - Clinical Hematology Practicum	

- MEDT 4410 - Clinical Immunohematology Practicum
- MEDT 4510 - Clinical Chemistry Practicum
- MEDT 4600 - Senior Seminar
- MEDT 4610 - Urinalysis Practicum
- MEDT 4710 - Clinical Immunoserology Practicum
- MEDT 4810 - Special Topics Practicum
- MEDT 4900 - Laboratory Management and Education

**C. Related Field Courses ..... 8**

- BIOL 2010 - Microbiology
- \*CHEM 1211L - Chemistry Lab I
- \*CHEM 1212L - Chemistry Lab II
- HLPR 2000 - Research in the Health Professions
- \* *Lab credit from Area F. If completed in Area D, substitute courses approved by Program Director.*

**Total Semester Hours 123**

**D. Regents' Test and Exit Exams**

**Nursing**

**Faculty**

- Young, Sue, Department Head
- Massey, Carole, Baccalaureate Nursing Program Coordinator
- \*Buck, Marilyn
- Caldwell, Eva
- Clark, Sandra
- \*Connor, Sara
- Conway, Marian
- Cross, Deanna
- Dunn, Barbara
- Dutko, Kathy
- \*Hart, Marcella
- Keller, Carola
- Miller, Mary
- Neuman, Bonnie
- Powell, Catharine
- Pruden, Ethel
- Reilly, Nancy
- \*Repella, James
- Rhoads, Jacque
- \*Roesel, Rosalyn
- Silcox, Elaine
- \*Stern, Camille
- Taggart, Helen
- Williamson, Jane

*\*Graduate Faculty with full status*

The Armstrong Atlantic State University baccalaureate nursing program offers entering freshmen and transfer students the opportunity to earn a Bachelor of Science in Nursing Degree. The American Nurses Association (ANA) and the National League for Nursing (NLN) have adopted a position statement calling for the baccalaureate degree in nursing as the academic preparation for professional nursing practice. Graduates are prepared to provide comprehensive nursing care for people in a variety of settings. The BSN degree also provides the foundation for graduate education in nursing.

The program is approved by the Georgia Board of Nursing and is fully accredited by the National League for Nursing Accrediting Commission \* (NLNAC). Graduates must meet all legal requirements for licensure as established by the State Board of Nursing in order to be eligible to take the National Council Licensure Examination (NCLEX-RN) for licensure as a Registered Nurse (RN).

\* 350 Hudson Street  
New York, NY 10014  
212-989-9393 x153

## The Georgia Board of Nursing Legal Requirements

The Georgia Board of Nursing has the authority to refuse to grant a license to an applicant upon a finding by the board that the applicant has been convicted of any felony, crime involving moral turpitude, or crime violating a federal or state law relating to controlled substances or dangerous drugs in the courts of this state, any other state, territory, or country, or in the courts of the United States, including but not limited to a plea of *nolo contendere* entered to the charge. Unlicensed students may be employed only as unlicensed, nursing personnel. They may not represent themselves or practice as nursing students except as part of a scheduled clinical learning activity in the curriculum.

## Admission Requirements

See "Limits on Admission to Health Professions Programs" in the School of Health Professions section of this catalog.

Applicants to the program must be regularly admitted to Armstrong Atlantic State University prior to making application to the nursing major. Students must meet the admission requirements of the baccalaureate nursing program to be eligible for admission to the nursing major. Admission to the nursing major is the function of the Faculty. Only completed applications will be considered.

Students will be admitted to the nursing major during the fall semester of their sophomore year.

Students who are not admitted may reapply for the next year.

Information regarding admission procedures is available in the Department of Nursing.

## Criteria for Admission for Generic Students

Admission criteria include:

1. Regular admission to Armstrong Atlantic State University.
2. A grade of "C" or better in each science course.
3. A minimum adjusted GPA of 2.5 in all prerequisite course work attempted. However, meeting minimal requirements does not guarantee admission to the nursing major. Those applicants who, in the judgement of the Recruitment and Retention Committee present the strongest academic record and show the most promise of success in the nursing major will be accepted. In making comparisons between applicants, the Recruitment and Retention Committee evaluates the academic record of each applicant thoroughly, including an evaluation of grades received in particular courses, number of hours completed at AASU, and Regents' Test status.
4. Application to the nursing major must be submitted by the published date. (Consult the BSN office for details.)
5. Students must meet all legal requirements for licensure. See "Georgia Board of Nursing Legal Requirements."
6. Admitted students must submit all required health data, CPR certification, proof of health insurance and liability insurance by July 1, prior to Fall semester.
7. Students are expected to comply with the Core Performance Standards for nursing. See list of standards included on application.

It should be noted that the pool of applicants has increased in quality and quantity in recent quarters, and that admission to the nursing major is of a competitive nature.

*Transfer Applicants* and those with degrees in other fields must meet the criteria established for admission to the nursing major. Transfer credit will be awarded depending upon equivalency of courses. These decisions will be determined by the Nursing Faculty who will use actual course outlines, descriptions, etc., supplied by the student.

## Program Completion Requirements

Students must complete the baccalaureate nursing program within four consecutive years from the date of their initial admission to the nursing major. Students who do not complete the program within this time limit must apply for readmission, meet current criteria for admission, and have their previous credits evaluated. Students who are granted readmission must meet course requirements in effect at the time of readmission.

Senior nursing students are required to take a written comprehensive exam prior to graduation.

## Readmission Procedures

1. The student must complete the readmission application for Armstrong Atlantic State University and the nursing major.
2. The student will be required to meet admission and curriculum requirements in effect at the time of readmission.
3. The student's admission will be based upon space available and recommendation by the Recruitment and Retention Committee.
4. Readmission to the nursing major is the function of the faculty.
5. Readmitted students must submit a current health history and proof of a negative tuberculin test or chest x-ray, immunization record, CPR certification, liability insurance and health insurance prior to the term of re-entry.

## Progression Requirements

For the generic Bachelor of Science program:

1. A "C" or better must be earned in each science course (see School of Health Professions policy regarding repeat of science courses).
2. A "C" or better must be earned in each nursing course.
3. Students who earn less than a "C" in a nursing course must apply for readmission to the nursing major. If readmitted, the course may be repeated at its next offering on a space available basis. If readmitted, the course may be taken concurrently with a nonsequential course. No more than one nursing course may be repeated.
4. An overall grade-point average (GPA) of 2.0 is required to remain in the nursing program.
5. Students must submit and update annually, current health history, tuberculin test or proof of negative chest x-ray, and immunization record by July 1. Proof of current CPR certification, liability insurance, and health insurance must be submitted each year prior to July 1. Additional institutional requirements may exist or may change over time, depending on clinical agency policy.
6. If a student does not matriculate each quarter, excluding summer semester, the student must apply for readmission to the program.
7. All students must pass the Regents' Test prior to entering the last semester before graduation.
8. Failure to comply with any of the above requirements while in the nursing program constitutes grounds for dismissal from the program.
9. The student is responsible for reading and abiding by the policies in the Baccalaureate Nursing Program Student Handbook.
10. Students are expected to meet the Core Performance Standards of the program. (Please refer to Baccalaureate Nursing Program Student Handbook.)

## RN Options Program

This innovative program is designed for Registered Nurses who wish to pursue the BSN and /or MSN degree. Students take a common sequence of courses before they select their degree option. If students select the MSN option, the BSN degree is awarded concurrently upon completion of the graduate degree requirements. Graduate Track options include Adult Clinical Nurse Specialist, Adult Nurse Practitioner, or Nursing



Administration. The program of study is designed to meet the needs of the registered nurse whose dedication to life long learning demands the attainment of formal advanced education. This preparation is provided with experienced and dedicated faculty, in a scholarly atmosphere in which the RN OPTIONS student can interact regularly with leaders in nursing. Full and part time study is available.

**Requirements for Admission to RN Options Program:**

1. Regular admission to Armstrong Atlantic State University.
2. A completed RN OPTIONS application form.
3. A grade of "C" or better in each science course.
4. A minimum adjusted GPA of 2.5 on all prerequisite course work attempted.
5. A copy of current Georgia RN license.

Admitted students must meet specific criteria and complete required prerequisite courses before they are eligible to enroll in nursing major courses.

**BSN Option:**

1. Completion of RN Options Courses.
2. Submission of a letter of intent at least two quarters before entering the BSN Option.
3. Completion of nursing sequence within four (4) years of enrollment in the RN Options courses.

**The Georgia RN-BSN Articulation Model: Advanced Placement through Validation of Previous Learning:**

Armstrong Atlantic State University participates in the Georgia RN-BSN Articulation Model for RNs. Twenty-nine (29) hours of previously earned nursing credit will be applied toward the baccalaureate degree after successful completion of twelve (12) RN Options credit hours.

**All ADN and Diploma Graduates of Nursing Programs in Georgia or NLN Accredited Programs in USA Outside Georgia:**

- 0-4 years after graduation .....No testing required\*
- >4 years after graduation with >1000 ..... No testing required\* (Written validation clinical practice hours in previous 3 years of clinical practice required)
- >4 years after graduation with <1000 ..... NLN Mobility Profile II Test required clinical practice hours in previous 3 years

**All ADN and Diploma Graduates of Non-NLNAC Accredited Programs Outside Georgia:**

NLN Mobility Profile (NMP) II Test is required. The NLN NMP II consists of three exams that validate 29 hours of general nursing knowledge in the care of the adult client, the childbearing client and the child, and the client with mental disorders. The exams are administered quarterly. NLN NMP II information brochures and applications are available in the Department of Nursing Office.

**PROGRAM FOR THE DEGREE BACHELOR OF SCIENCE IN NURSING**

	<b>Hours</b>
A. General Requirements (Core Areas, A, B, C, D, 2.B., and E) .....	42
Core Area F: .....	18
BIOL 2081 - Human Anatomy and Physiology I	
BIOL 2082 - Human Anatomy and Physiology II	
BIOL 2210 - Microorganisms and Disease	
Two courses selected from:	
PSYC 1101 - General Psychology	

PSYC 2950 - Developmental Psychology  
 SOCI 1101 - Introductory Sociology  
 Physical Education ..... 3

**B. Courses Taken in Major Field ..... 57**

**1. Required Courses:**  
 NURS 2241 - Nursing and Health Promotion I  
 NURS 2260 - Health Policy in Nursing Practice  
 NURS 3242 - Nursing and Health Promotion II  
 NURS 3301 - Nursing Skills I  
 NURS 3302 - Nursing Skills II  
 NURS 3320 - Health Assessment of the Well Individual  
 NURS 3330 - Leadership in Nursing Care  
 NURS 3340 - Family Health Promotion  
 NURS 3350 - Health Promotion of Women and Children  
 NURS 3360 - Health Maintenance and Rehabilitation  
 NURS 3550 - Pathophysiology  
 NURS 4420 - Nursing and Health Restoration  
 NURS 4430 - Health Restoration in Mental Health  
 NURS 4440 - Population Focused Nursing  
 NURS 4450 - Professional Nursing Practicum  
 NURS 4460 - Professional Nursing Seminar

**2. Related Field Courses ..... 7**  
 HLPR 1200 - Multidisciplinary Skills in Health Professions  
 HLPR 2000 - Introduction to Research in the Health Professions  
 HLPR 4200 - Interdisciplinary Health Professions Seminar

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**Total Semester Hours ..... 127**

**C. Regents' Test and Exit Exams**

**PROGRAM FOR THE DEGREE BACHELOR OF SCIENCE IN NURSING  
 RN OPTIONS PROGRAM**

	<b>Hours</b>
<b>A. General Requirements (Core Areas, A, B, C, D.2.B., and E) .....</b>	<b>42</b>
<b>Core Area F: .....</b>	<b>18</b>
BIOL 2081 - Human Anatomy and Physiology I	
BIOL 2082 - Human Anatomy and Physiology II	
BIOL 2210 - Microorganisms and Disease	
Two courses selected from:	
PSYC 1101 - General Psychology	
PSYC 2950 - Developmental Psychology	
SOC 1101 - Introductory Sociology	
Physical Education .....	<b>3</b>
<b>B. Courses Taken in Major Field .....</b>	<b>57</b>
<b>1. Required Courses:</b>	
NURS 3000 - Professional Role Transitions: Socialization	
NURS 3150 - Professional Role Transitions: Communication	
* NURS 3301 - Nursing Skills I	
* NURS 3302 - Nursing Skills II	
NURS 3300 - Health Assessment for the Promotion of Wellness	
NURS 3310 - Nursing and Health Promotion Throughout the Lifespan	
NURS 3450 - Health Care and Families	
* NURS 3350 - Health Promotion of Women and Children	
* NURS 3360 - Health Maintenance and Rehabilitation	
NURS 3550 - Pathophysiology	

- \* NURS 4420 - Nursing and Health Restoration
- \* NURS 4430 - Health Restoration in Mental Health
- NURS 4470 - Nursing and Population Focused Practice
- NURS 4480 - Professional Nursing Practicum

2. **Related Field Courses** ..... 7

- \* HLPR 1200 - Multidisciplinary Skills in Health Professions
- HLPR 2000 - Introduction to Research in the Health Professions
- HLPR 4200 - Interdisciplinary Health Professions Seminar

**Total Semester Hours** 127

*\* In accordance with the Georgia RN-BSN Articulation Model (Advanced Placement Validation of Previous Learning), credit will be awarded after successful completion of twelve (12) RN Options credit hours. These courses are identified with an asterisk.*

**C. Regents' Test and Exit Exams**

**Physical Therapy**

**Faculty**

- \* Lake, David A., Department Head
- Thompson, Anne, Academic Coordinator of Clinical Education
- \* Andersen, J.C. Mincer, Andi Beth
- Lander, Jennifer Tucker, Debbie

*\* Graduate Faculty with full status*

Physical therapy is a health care profession based upon scientific knowledge and principles whose practitioners evaluate, diagnose, treat, and instruct persons of all ages with movement disorders. Evaluation, diagnosis and treatment planning requires the ability to critically analyze a large number of factors, determine the most important of those factors and develop a treatment plan based on that analysis. Physical therapists must effectively communicate their findings to the clients, the clients' families, other health care providers and the agencies that reimburse the clients and/or the physical therapists for the physical therapy service. Physical therapists must provide care in a compassionate, competent, legal and ethical manner. A major aspect of physical therapy care is the prevention of injuries and disabilities and communicating these plans to the client.

To meet the needs of the physical therapy profession, all course work in this program is clinical case-centered with the emphasis on problem identification and problem solving. This allows students to integrate the pathophysiology, evaluation methods, treatment approaches and psychosocial principles into each case. Students are encouraged to seek new solutions to the clinical problems and propose new treatment approaches. Active learning promotes independent thinking. Students learn to seek and confirm answers on their own rather than relying on faculty to give them answers. This pattern of independent learning develops in the student a goal of life-long learning. Active learning methods develop self-reliance and an increase in self assessment skills.

By working in small groups, students develop a respect and understanding for the problem solving skills and clinical solutions developed by their classmates. Small group activities promote the development of teamwork and leadership skills. Clinical laboratories and clinical practice experiences in the curriculum are designed to foster the development of intellectual and physical competencies and strong professional values.

The central principle in the department's educational philosophy is that the primary role of the instructor is as a facilitator of learning, not as the source of knowledge. The

Department will provide a supportive environment in which students take responsibility for their own learning. The Department fosters mutual respect between faculty and students, between students and their classmates and between students and other health care professionals. The Department promotes a respect and understanding for all individuals regardless of their cultural background.

### **Accreditation Status and Degrees Offered**

The Department of Physical Therapy is accreditation by the Commission on Accreditation of Physical Therapy Education (CAPTE). The Program received initial accreditation in Spring, 1997.

### **The Georgia Board of Physical Therapy Legal Requirements**

Graduation from an accredited professional physical therapy education program allows students to take the National Physical Therapy Examination (NPTE). Passing this exam is required for licensure in any jurisdiction within the United States and its territories. The Georgia Board of Physical Therapy has the authority to refuse or revoke licensure to an applicant upon a finding by the board that the applicant has been convicted of any felony, crime involving moral turpitude, or crime violating any state, federal or comparable jurisdictional law including laws relating to controlled substances or dangerous drugs. This applies to any conviction or pleas of *nolo contendere* entered to the charge in the courts of this state, any other state, territory, or country or in the federal courts of the United States.

### **Pre-Physical Therapy Options**

There are three pre-physical therapy options: Biology major Pre-Physical Therapy track, Health Science major Pre-Physical Therapy track, and the Pre-Physical Therapy track of the Department of Physical Therapy. Enrollment in any of these pre-physical therapy tracks at Armstrong Atlantic State University does not guarantee admission to the physical therapy major.

**Pre-Physical Therapy track in the Biology major.** As part of the Biology major Pre-Physical Therapy track, students take the Armstrong Atlantic State University and Biology core courses as well as courses which meet the prerequisite needs of the Physical Therapy Program. If accepted into the Physical Therapy Program, students in this track will complete the first two semesters of work in the physical therapy program as part of the requirements for a Bachelor of Science degree in Biology. If not accepted to the Physical Therapy Program, the student can complete their senior year in one of the other tracks in Biology and graduate with the Bachelor of Science degree in Biology. This track is recommended for those students whose interests lay in the basic sciences.

**Pre-Physical Therapy track within the Health Science major.** As part of the Health Science major Pre-Physical Therapy track, students take the Armstrong Atlantic State University and Health Science core courses as well as the prerequisite courses for the Physical Therapy Program. If accepted into the Physical Therapy Program, students in this track will complete the first two semesters of work in the physical therapy program as part of the requirements for a Bachelor of Health Science degree. If not accepted to the Physical Therapy Program, the student can complete their senior year in one of the other tracks in Health Science and graduate with the Bachelor of Health Science degree. This track is recommended for those students whose interests lay in the areas of health promotion or health administration.

**Pre-Physical Therapy major within the Physical Therapy Department.** As part of this major, students take the Armstrong Atlantic State University and Physical Therapy core courses and the prerequisite courses and electives required by the Physical Therapy Program. If accepted into the Physical Therapy Program, students in this track will complete the first two semesters of work in the physical therapy program as part of the requirements for a Bachelor of Science degree in Physical Therapy. If not accepted to the

Physical Therapy Program, the student must transfer to another major. This option is recommended only for students who are transferring to Armstrong Atlantic State University without a degree whose academic record does not lend itself to either of the two other options.

### **Admission Requirements**

See "Limits on Admission to Health Professions Programs" in the "Admissions" section of this catalog. Students in the program must be admitted to Armstrong Atlantic State University prior to enrolling in the Physical Therapy Program. Students must meet the admission requirements of the Department of Physical Therapy to be eligible for admission to the physical therapy major. Admission to the Physical Therapy Program is a function of the physical therapy faculty. Students enrolled in the Physical Therapy Program graduate with the Master of Science degree. Students must complete the entire program including the Master of Science degree prior to sitting for the National Physical Therapy Examination (NPTE) and qualifying for licensure.

Students may enter the program as either a graduate student or a senior undergraduate student. Students who are admitted to the Physical Therapy Program as undergraduates must meet all core and program requirements for an undergraduate degree at Armstrong Atlantic State University and the graduate record examination (GRE) prior to admission to the program. Upon completion of the first two semesters of the physical therapy professional courses (PPTH prefix), these students are admitted into the graduate school. Upon completion of the entire program these students are awarded the Bachelor of Science in Physical Therapy and the Master of Science degrees. Armstrong Atlantic State University does not award a separate undergraduate degree in Physical Therapy. The Bachelor of Science degree is awarded only to students who have completed the entire Master of Science Degree Program. Students who are admitted to the Physical Therapy Program as graduate students will receive the Master of Science degree upon graduation. Sixty-five to seventy percent of students who are admitted to the PT Program have already completed an undergraduate degree.

Applicants must obtain the most recent information and application packets from the Department of Physical Therapy or the Office of the School of Graduate Studies. The information packets are changed every year and contain the most updated information about the Physical Therapy Program including any changes in the program. Information in the information packet supersedes what is contained in this catalog. New information packets are available in March of the year preceding the application deadline (for example: for admission in 1999, the information packets are available in March, 1998). The application packets contain both the Physical Therapy Program and Armstrong Atlantic State University Applications and are available in October of each year. Deadline for application is January 15 of each year.

### **Criteria for Application**

Application for admission criteria include:

1. Effective oral and written communication skills.
2. An understanding of the physical sciences so that students can comprehend physiological, pharmacological and biomechanical principles and integrate those principles into physical therapy practice. Minimal satisfaction of this criterion will include the completion of two terms of basic chemistry with labs and two terms of basic physics with labs (must include mechanics, electricity, magnetism and light).
3. An understanding of the functional and structural characteristics of all human body systems so that students can comprehend pathology and dysfunction as they relate to physical therapy practice. Minimal satisfaction of this criterion will include the completion of two terms of anatomy and physiology with labs. These courses must be completed in a basic science department.
4. An understanding of individual and group human behavior.

5. A knowledge of the political process at different levels.
6. A knowledge of the scope of physical therapy practice.
7. A knowledge of computers and computer software applications.
8. Certification in adult CPR and first aid.
9. Involvement in extracurricular activities and community service.
10. Immunizations and physical exams required of all Health Professions' students.
11. A minimum science (two anatomy and physiology courses, two general chemistry courses, two general physics courses) grade point average of 2.75. No science grade of a D or F will be acceptable and no more than one science course may be repeated.
12. Graduate Record Exam (GRE) scores of 450 verbal and 450 quantitative\*
13. A knowledge of basic statistics.
14. A knowledge of basic research methodology and research design.

\* *Required at the time of application for regular admission to School of Graduate Studies (scores of 400 verbal and 400 quantitative required for provisional admission.)*

Enrollment as a pre-physical therapy major at Armstrong Atlantic State University does not guarantee admission to the physical therapy major. Meeting the minimum criteria for application **does not** guarantee admission to the physical therapy major. It should be noted that the pool of applicants for the physical therapy program includes many highly qualified applicants, and the number of available positions is limited. Therefore, admission to the physical therapy program is highly competitive.

Transfer applicants who wish to complete a bachelor's degree and pre-physical therapy majors at Armstrong Atlantic State University must complete the general education requirements (see core requirements) and completion of the Regents' Testing Program prior to beginning physical therapy courses. Transfer credit for prerequisite courses may be accepted for required core courses upon receiving approval from physical therapy faculty, the Department in which the course is taught at Armstrong Atlantic State University and the Office of the Registrar.

**After admission to the Physical Therapy Program**, students must formally accept the position in the professional phase of the physical therapy curriculum and submit a non refundable \$150.00 deposit to retain their position in the physical therapy program. This deposit is applied to the student's first quarter matriculation fee.

### **Program Completion Requirements:**

Students must complete the physical therapy program within four consecutive years from the date of their initial admissions to the physical therapy major. Students who do not complete the program in the required period of time may apply for readmission. To qualify for readmission, there must be space in the class into which the former student is seeking admission. The former student must meet the current criteria for admission and be evaluated along with the other applicants to the program.

### **Readmission Procedures:**

1. The student must complete the readmission application for Armstrong Atlantic State University and the physical therapy major.
2. The student will be required to meet admission and curriculum requirements in effect at the time of application for readmission.
3. The student's admission will be based upon space available in the class into which the she/he is seeking admission and recommendation of the Department faculty.
4. The former student, who has failed out of the program because of an inability to meet the grade requirements (B in PHTH courses) or has been dismissed from the physical therapy program for any reason, is not eligible to apply for readmission.

### **Progression Requirements**

To progress in the Physical Therapy Program, students must:

1. earn a "B" or better in all PHTH courses. If less than the required grade is earned in a PHTH course, that course must be repeated. Only 1 course can be repeated and

that course can be repeated only once. A course can be repeated only when it is normally offered again in the curricular sequence. No additional courses can be taken in the Physical Therapy Curriculum until the course deficiency is satisfied. Thus, failure to pass a course will require the student to "drop back" to the next graduating class.

2. be continuously enrolled in the Program through the entire 7 semester sequence of courses. Medical or personal leave may be granted but will also require the student to "drop back" to the next graduating class.
3. maintain malpractice/liability and health/medical insurance and CPR/First Aid certification.
5. complete all courses in the physical therapy curriculum within four consecutive years from the date of their initial admissions to the physical therapy major. Students who do not complete the program in the required period of time may apply for readmission.
6. obtain faculty permission to "drop back" for academic, medical or personal reasons. A student may re-enroll in PHTH courses only if the faculty have determined that space is available for that student.

Failure to pass (a "B" or better in all PHTH courses) two or more PHTH courses will result in dismissal from the Program. Failure to pass a failed PHTH course on the second attempt will also result in dismissal from the Program. If the former student has failed out of the program because of an inability to meet the grade requirements, she/he is not eligible to apply for readmission.

**PROGRAM FOR BACHELOR OF PHYSICAL THERAPY  
PRE-PHYSICAL THERAPY TRACK**

	<b>Hours</b>
<b>A. General Requirements (Core Areas, A, B, C, D.2.A., and E)</b> .....	<b>42</b>
<b>Core Area F:</b> .....	<b>18</b>
BIOL 2081 - Human Anatomy and Physiology I	
BIOL 2082 - Human Anatomy and Physiology II	
PHYS 1111/1111L - Introductory Physics I	
PHYS 1112/1112L - Introductory Physics II	
Elective credits from from areas A-E	
<b>Physical Education</b> .....	<b>3</b>
<b>B. Related Field Courses</b> .....	<b>5-8</b>
PSYC 1101 - General Psychology †	
HLPR 2000 - Introduction to Health Care	
CSCI 1050 - Computer Applications	
† If not taken in Area E	
<b>C. Field Area Electives</b> .....	<b>16-19</b>
Eight (8) semester hours (maximum) of Natural / Social Science electives at 1000-2000 level. Must include PHYS 1111/1112 with labs if not taken in Area F.	
Eight (8) semester hours (minimum) of Natural / Social Science electives at 3000-4000 level.	
<b>D. Professional Physical Therapy Program*</b> .....	<b>36</b>
PHTH 5101U - Functional and Structural Aspects of Movement I	
PHTH 5131U - Foundations of Physical Therapy Assessment and Treatment I	
PHTH 5161U - Physical Therapy Practice Issues I	
PHTH 5181U - Clinical Practicum I	
PHTH 5202U - Functional and Structural Aspects of Movement II	
PHTH 5232U - Foundations of Physical Therapy Assessment and Treatment II	
PHTH 5262U - Physical Therapy Practice Issues II	
PHTH 5282U - Clinical Practicum II	
PHTH 5290U - Physical Therapy Case Management	

\* Taken only after acceptance to the Physical Therapy professional program

### E. Regents' Test and Exit Exams

To be eligible to take the National Physical Therapy Examination (NPTE), students must complete the Master of Science Degree in Physical Therapy. The Bachelor of Science Degree is only a preparation for the Professional Program.

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## Radiologic Sciences

### Faculty

Gibson, Sharyn, Department Head

\*Tilson, Elwin, Clinical Coordinator

Adams, Laurie, Program Director, Radiation Therapy

Strickland, Gloria

*\*Graduate Faculty with full status*

Radiologic Sciences is a broad term describing the medical science of using radiation, radioactive substances, magnetism and sound waves to produce medical images and/or treat diseases under the prescription of a physician. There are four specialties in radiologic sciences: radiography, radiation therapy, nuclear medicine and sonography. Two of these, radiography and radiation therapy, are currently offered at AASU. Radiography uses radiation and magnetism to produce medical images. Typical areas of radiography include: general bone and systems radiology, computed tomography, magnetic resonance imaging (MRI), and angiograms. Radiation therapy uses radiation to treat diseases - most often cancer.

### Department of Radiologic Sciences' Goals

The goals of the Radiologic Sciences Department are as follows:

1. Prepare empathetic, competent radiologic science professionals.
2. Develop critical thinking practitioners who possess the knowledge and skill to function in a changing health care environment and shape practice through research and service.
3. Increase professional awareness by developing new entry points for professional practice.

Expand the scope of practice in the community by increasing professional awareness and developing new entry points for professional practice.

### Professional Insurance and Transportation

Hospitals in the greater Savannah area are affiliated with AASU for the Clinical Education courses. Students are responsible for providing their own transportation to the hospitals.

Prior to matriculation through Clinical Education Courses, students are required to submit evidence of professional liability insurance, health insurance, CPR certification, and a physical examination. Specific information regarding these requirements will be distributed to students who are admitted.

### Admission to Program

Students interested in pursuing an education in the field of radiologic science at Armstrong Atlantic State University have the following options: baccalaureate degree in radiologic technologies with an emphasis in either radiography or radiation therapy and a post baccalaureate certificate program in radiation therapy. The following guidelines are provided for general information only:

1. The Baccalaureate Degree programs begin in the Fall of each year.
2. The certificate program begins in January.
3. R.T.'s pursuing the baccalaureate degree may begin any semester.



4. Students who are in learning support are ineligible to apply to departmental programs.

5. Admission to the programs is competitive.

**Option I:** Baccalaureate Degree in Radiologic Technologies with an emphasis in Radiography

**Option II:** Baccalaureate Degree in Radiologic Technologies with an emphasis in Radiation Therapy

**Admission criteria for Options I & II:**

1. Regular admission to Armstrong Atlantic State University.
2. A GPA of 2.3 or higher for all college work.
3. Prior to the beginning of the program (Fall Semester, 1998) the following must be successfully completed:
  - a. 48 semester hours of degree requirements
  - b. BIOL 2082/Human Anatomy and Physiology II
  - c. Lab science sequence
  - d. CPC requirements
  - e. Regents' Test

**Option III:** Post Baccalaureate Certificate Program in Radiation Therapy

**Admission criteria for Option III:**

1. Regular admission to Armstrong Atlantic State University.
2. A grade point average of 2.3 or higher for all college work.
3. A Baccalaureate Degree in Radiologic Technologies with an emphasis in Radiography  
(if not certified in radiography, the student must become certified prior to the end of the first semester).

This four semester program is designed for registered technologists who hold a baccalaureate degree in radiologic technologies but wish to pursue certification in the speciality of radiation therapy.

**NOTE:** Individuals who are registered technologists should contact the department for specific admission criteria.

After admission to the Department of Radiologic Sciences, the student must pay a \$50.00 non-refundable Health Programs Deposit to reserve a seat in the program. This deposit is applied to the student's first semester matriculation fee.

**Detailed procedures and guidelines for program admission should be obtained by contacting the Department of Radiological Sciences at (912) 927-5360.**

**Readmission to the Program**

Students who have been admitted to and have enrolled in the programs in radiologic sciences, but who have either withdrawn or been dismissed without prejudice from the program, may apply for readmission to the program only if they have a cumulative college GPA of 2.0 at the time they wish to reenter. The student's readmission will be based upon space availability and recommendation by the Radiologic Sciences Admissions Committee.

**BACHELOR OF SCIENCE IN RADIOLOGIC TECHNOLOGIES**

	<b>Hours</b>
<b>A. General Requirements (Core Areas A, B, C, D.2.B., and E)</b> .....	<b>42</b>
<b>Core Area F:</b> .....	<b>18</b>
BIOL 2081 - Human Anatomy and Physiology I	
BIOL 2082 - Human Anatomy and Physiology II	
MATH 1113 - Pre-Calculus	
Approved Elective	
One of the following (if Chemistry sequence completed in Area D:	
PHSC 1211/1211L - Physical Environment and Lab	

PHYS 1111/1111L - Introductory Physics I and Lab I

Physical Education ..... 3

**B. Courses Taken In Major Field**

**1. Required Courses: 36**

- HLPR 2000 - Research in Health Professions
- BIOL 2215 - Human Physiology and Disease
- HLPR 4200 - Interdisciplinary Health Professions Seminar
- RADS 3000 - Introduction to Radiologic Sciences
- RADS 3050 - Patient Care and Interactions
- RADS 3060 - Principles of Image Formation and Evaluation
- RADS 3071 - Radiographic Procedures I
- RADS 3090 - Introduction to Radiation Physics
- RADS 3150 - Radiobiology and Radiation Protection
- RADS 4410 - Cross Sectional Anatomy
- RADS 4430 - Professional Practice Seminar
- RADS 4450 - Radiology Management & Leadership

**2. Radiography Track: ..... 30**

- RADS 3072 - Radiographic Procedures II
- RADS 3073 - Radiographic Procedures III
- RADS 3161 - Clinical Education I
- RADS 3162 - Clinical Education II
- RADS 4050 - Quality Management in Radiography
- RADS 4090 - Radiographic Physics
- RADS 4110 - Advanced Imaging
- RADS 4163 - Clinical Education III
- RADS 4164 - Clinical Education IV
- RADS 4165 - Clinical Education V

**Total Semester Hours for Radiography Track** ..... 129

**3. Radiation Therapy Track: ..... 30**

- RADS 3190 - Principles of Radiation Therapy
- RADS 3301 - Clinical Education I
- RADS 3302 - Clinical Education II
- RADS 4201 - Radiation Oncology I
- RADS 4202 - Radiation Oncology II
- RADS 4240 - Radiation Therapy Physics
- RADS 4260 - Treatment Planning
- RADS 4280 - Quality Management in Radiation Therapy
- RADS 4303 - Clinical Education III
- RADS 4304 - Clinical Education IV
- RADS 4305 - Clinical Education V

**Total Semester Hours for Radiation Therapy Track** ..... 126

**C. Regents' Test and Exit Exams**

**CURRICULUM FOR THE POST-BACCALAUREATE CERTIFICATE PROGRAM**

**Professional Courses:**

- RADS 3180 - Foundations of Radiation Therapy
- RADS 3190 - Principles of Radiation Therapy
- RADS 4201 - Radiation Oncology I
- RADS 4202 - Radiation Oncology II
- RADS 4240 - Radiation Therapy Physics
- RADS 4260 - Treatment Planning

RADS 4280 - Quality Management in Radiation Therapy  
RADS 3302 - Clinical Education II  
RADS 4303 - Clinical Education III  
RADS 4304 - Clinical Education IV  
RADS 4305 - Clinical Education V

Total Semester Hours

31

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## Respiratory Therapy

### Faculty

Bowers, Ross, Department Head  
Di Benedetto, Robert, Co-Medical Director  
Morris, Stephen, Co-Medical Director  
Smith, William, Director of Clinical Education  
Hopper, Keith

For the four-year program leading to the Bachelor of Science degree in Respiratory Therapy, the student must complete a curriculum of 60 semester hours in academic courses and 66 hours within the major field. The BS degree from an accredited Respiratory Therapy program qualifies the graduate for entry into the Registry credentialing system. The Registry is the highest professional credential available in the field of respiratory therapy. The credentialing process is a two-step, nationally administered examination. Step one is a comprehensive written exam to be taken shortly after graduation. The graduate who passes this exam will earn the entry level credential C.R.T.T. and will be eligible to enter the registry credentialing system. The registry exam consists of a written and a clinical simulation component. The candidate who passes both parts of the registry exam will earn the credential Registered Respiratory Therapist. The C.R.T.T. credential is the criteria required for licensure by the State Board of Medical Examiners.

### Admission Requirements

See "Limits on Admission to Health Professions Programs" in the School of Health Professions section of this catalog.

Admission to Armstrong Atlantic State University does not guarantee admission to the Respiratory Therapy program. The department has a separate formal admissions process.

Students are normally admitted to the professional component of the program in the fall. The application deadline is April 1. Applications received after that date will be considered on a space available basis.

To meet contractual obligations with our clinical affiliates, students are required to submit a complete health history form and evidence of health insurance, immunizations, and liability (malpractice) insurance prior to participation in clinical practicums.

### Criteria for Admission

Admission to the major is made on a space available basis and is limited to the best qualified students as determined by our faculty. Admission criteria include:

1. Completion of all core requirements for the major.
2. An adjusted GPA of  $\geq 2.40$ .
3. No more than one grade of less than C in courses related to Area D or F of the semester core.
4. Successful completion of the Regents' Test.

Candidates who meet the criteria for admission will be interviewed by the departmental Admissions Committee. Admission into the academic major is a function of the

faculty. Meeting the admission criteria does not constitute acceptance into the program. Our maximum enrollment ceiling is 20 students.

### **Time Limit for Program Completion**

Students must complete the respiratory therapy program within 3 consecutive academic years from the date of initial entry. Students who do not complete the program within this time limit must reapply for admission, meet current criteria for admission, and have their previous credits evaluated at the time of their subsequent admission. Students who are readmitted must meet course requirements in effect at the time of readmission.

### **Readmission Procedures**

1. The student must complete the readmission application for Armstrong Atlantic State University and the respiratory therapy major.
2. The student will be required to meet admission and curriculum requirements in effect at the time of readmission.
3. The student must complete a comprehensive clinical evaluation prior to readmission. The student is responsible for scheduling the clinical evaluation by the mid-term date of the semester prior to admission.
4. Readmission will be based on space availability and recommendation of the faculty.
5. Readmission to the respiratory therapy major is a function of the faculty.

### **Progression Requirements:**

1. A grade of "C" or better is required for each course in the major field of study. This includes courses without a RESP prefix.
2. A student who earns a grade of less than "C" must repeat the course the next semester it is offered.
3. A student may repeat a course in the major field of study only once.
4. Students who must repeat more than one course in the major field of study will be dismissed from the program with no option for readmission.
5. Students placed on Academic Warning who do not raise their GPA to the minimum criteria for Academic Good Standing the subsequent semester will be suspended from the program. Courses used to raise the GPA must be approved by their academic advisor. Students suspended from the program are eligible for readmission.
6. Students are required to pass three nationally standardized Exit Exams administered during the last semester. Students who do not pass the Exit Exams will not receive a Certificate of Completion from the program.

### **The Georgia Board of Medical Examiners Legal Requirements**

The Board of Medical Examiners has the authority to refuse to grant a license to an applicant upon a finding by the board that the applicant has been convicted of any felony, a crime involving moral turpitude, or a crime violating a federal or state law relating to controlled substances or dangerous drugs.

Unlicensed students may be employed as long as they work under direct supervision. Graduates must apply for a temporary permit in order to work following graduation. In order to attain a full license the applicant must be employed under medical direction and have earned a CRTT credential.

It is a misdemeanor to practice respiratory care or falsely represent oneself as an RCP unless licensed by the Board.

## PROGRAM FOR THE DEGREE OF BACHELOR OF SCIENCE WITH A MAJOR IN RESPIRATORY THERAPY HOURS

<b>A. General Requirements (Core Areas A, B, C, D.2.B., and E)</b> .....	42
<b>Core Area F:</b> .....	18
BIOL 2081 - Human Anatomy and Physiology I	
BIOL 2082 - Human Anatomy and Physiology II	
BIOL 2210 - Microorganisms and Disease	
PHYS 1111 - Introductory Physics I	
or PHSC 1211 - Physical Environment	
Approved Electives	
Physical Education .....	3
<b>B. Courses Taken in Major Field</b> .....	
<b>1. Required Courses:</b> .....	52
RESP 3110 - Patient Assessment	
RESP 3120 - Respiratory Core Equipment	
RESP 3151C - Clinical Practicum I	
RESP 3210 - Clinical Pharmacology	
RESP 3220 - Respiratory Core Fundamentals	
RESP 3230 - Diagnostic Procedures	
RESP 3252C - Clinical Practicum II	
RESP 3310 - Basic Ventilation Support	
RESP 3353C - Clinical Practicum III	
RESP 4110 - Advanced Ventilatory Support	
RESP 4120 - Cardiopulmonary Critical Care	
RESP 4130 - Perinatal Care	
RESP 4154C - Clinical Practicum IV	
RESP 4160C - Perinatal Practicum	
RESP 4210 - Cardiopulmonary Medicine	
RESP 4220 - Research in Respiratory Care	
RESP 4230 - Seminar in Respiratory Care	
RESP 4240 - Issues in Respiratory Care	
RESP 4255C - Clinical Practicum V	
<b>2. Related Field Courses:</b> .....	14
BIOL 3400 - Human Physiology	
HLPR 1100 - Health Care and Medical Terminology	
HLPR 2000 - Research in the Health Professions	
HSCA 4610 - Health Care Economics	
HSCA 4640 - Managed Care Concepts	
<b>C. Regents' Test and Exit Exams</b>	

## CAREER-LADDER PROGRAM FOR A BACHELOR OF SCIENCE DEGREE RESPIRATORY THERAPY

The Department of Respiratory Therapy had adopted the Career-Ladder model as its basis for accepting RRTS into the baccalaureate program. The purpose of this model is to enable registered respiratory therapists (RRTS) to advance their education minimizing duplication of knowledge and skills and/or loss of credit while maintaining the integrity of the educational process. The RRT may receive advanced placement via equivalency credit. Applicants who graduated more than three years before admission will need to validate current practice.

### PROGRAM GOALS:

1. Educate individuals who will be able to assume responsibility and contribute to the growth and development of respiratory care as a health care profession.
2. Educate respiratory care providers in a scientific approach to problem-solving and patient care.

3. Create an environment wherein students establish respect for the dignity and worth of the individual, an appreciation for cultural diversity, the capacity for critical thinking and a genuine desire for knowledge, and in which the individual realizes his or her potential.
4. Educate individuals with the interpersonal and communication skills necessary to work effectively as a member of the interdisciplinary health care team.
5. Provide the opportunity for students to develop competency in specialty areas related to respiratory care.

ADMISSION CRITERIA:

- \* Earned Associate Degree in Respiratory Therapy
- \* RRT credential
- \* Completion of all baccalaureate core
- \* Cumulative GPA  $\geq$  2.5
- \* Completion of a professional portfolio

EQUIVALENCY CREDIT:

Equivalent credit will be awarded on an individual basis following evaluation of the candidate's academic transcript and professional portfolio.

PROFESSIONAL PORTFOLIO:

Each candidate is responsible for developing a professional portfolio as a part of the application process. Each portfolio should contain:

1. Verification of RRT credential
2. Notarized copy of associate degree
3. Resume with complete work history
4. Current job description
5. Letter of recommendation from immediate supervisor
6. Verification of current Georgia license
7. Documentation of specialty credentials and in-house certification (i.e., ACLS, etc.)

# Course Descriptions

## Numbering System for Courses

In the course listing to follow, there appear three numbers in parentheses after each course title. The first number listed indicates the number of hours of lecture; the second number listed indicates the number of hour of laboratory; the third number listed indicates the number of semester hours of credit carried by the course. The letter "V" represents variable hours.

Courses numbered 0000-0199 carry institutional credit only and may not be applied to a degree program.

Courses numbered 1000-1999 are generally planned for the freshman year; courses numbered 2000-2999 for the sophomore year; courses numbered 3000-3999 for the junior year and courses numbered 4000 for the senior year.

Courses numbered 5000-5999 are graduate courses with dual enrollment by undergraduate and graduate students. (Permission is not required for undergraduate students.)

Courses numbered 6000-6999 are graduate courses. (Graduating seniors may enroll by permission only.)

Courses numbered 7000-8999 are graduate courses. (Undergraduate students may not enroll.)

Courses taken to fulfill core curriculum requirements may not be used to meet other requirements of a degree program.

## Lettering System for Course

In the course listings given in the Armstrong Core Curriculum requirements and in the departmental curricula which follow, there appear four letters preceding a four digit number. Following is an exhaustive list of the prefixes (abbreviations) used for course designation purposes.

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**(AASU) – University Studies**

**AASU 1101 UNIVERSITY STUDIES: STRATEGIES FOR SUCCESS** 2-0-2  
Skills, information, and guidance useful for success in college while focusing on the purposes of higher education, the roles of the student, and the resources available within the college for academic success and career choices.

**(ANTH) – Anthropology**

**ANTH 1102 INTRODUCTION TO ANTHROPOLOGY** 3-0-3  
Introduction to the biocultural nature of humans through a survey of the subdisciplines of anthropology within an ecological and evolutionary framework.

**ANTH 1150 GLOBAL PERSPECTIVES IN ANTHROPOLOGY: PEOPLES OF THE WORLD** 3-0-3  
Peoples of the world from a cultural anthropological perspective with an emphasis on contemporary issues and problems.

**ANTH 3020 HUMAN EVOLUTION** 3-0-3  
Prerequisite: ANTH 1102  
Biological anthropology through the principles of evolution and genetics, evolutionary forces, human variation and adaptation, primate evolution and behaviour, the fossil record of human ancestors and early modern humans, and the relationship between human biology and culture.

**ANTH 3050 NORTH AMERICAN INDIANS** 3-0-3  
Prerequisite: ANTH 1010  
Prehistoric, historic, and contemporary Native American populations north of Mexico, with an emphasis on the role of the environment in the diversity and complexity of Native American cultures.

**ANTH 3080 PRIMATE SOCIAL BEHAVIOUR AND ECOLOGY** 3-0-3  
Prerequisite: Permission of Instructor and/or Department, ANTH 1010  
Social behaviour and ecology of prosimians, monkeys, and apes and the implications for the evolution of human social behaviour. Topics include primate origins and evolutionary trends, survey of living primates, social organization, ecology and social behaviour, and models for the evolution of human behaviour.

**ANTH 3100 ANTHROPOLOGY OF SEX & GENDER** 3-0-3  
Prerequisite: ANTH 1102  
Biological determinants of sex differences and the cultural determinants of gender roles, with an emphasis on the cross-cultural relationship between gender roles and the control of resources.

**ANTH 3950 RESEARCH IN THE SOCIAL AND BEHAVIORAL SCIENCES** V-V-(1-3)  
Prerequisite: Permission of Instructor and/or Department  
Open to Juniors or above. Uncompensated research assigned and directed by a faculty member using methods appropriate to the discipline. Evaluation by a rotating committee of the faculty before initiation and upon completion. Up to three hours credit in one discipline, for a maximum of six credit hours.

**ANTH 4000 SORCERY, DEMONS & GODS** 3-0-3  
Prerequisite: ANTH 1102  
Anthropological analysis of religion and religious beliefs across cultures, including father gods and mother goddesses, sorcery and magic, shamanism, sacrifice, and totemism.

**ANTH 4050 SOCIOBIOLOGY OF HUMAN BEHAVIOUR** 3-0-3  
Prerequisite: ANTH 1102

Examination of human social behaviour from a biological anthropological perspective, including topics such as altruism and kinship, human mating strategies, reproduction and parenting, ecology of social systems, and life history strategies.

**ANTH 4401/4402/4403 SPECIAL TOPICS IN ANTHROPOLOGY** 3-0-3  
Prerequisite: ANTH 1102

Upper-level courses not otherwise offered in the anthropology curriculum. Various substantive topics, theoretical issues and problems. Possibility to repeat with different topics. No more than two such courses counted in the minor.

### **(AART) – Art**

**AART 1111 DESIGN I** 2-4-3  
The fundamentals of two dimensional design introduced through projects in a variety of media.

**AART 1112 DESIGN II** 2-4-3  
The fundamentals of three dimensional design using a variety of sculptural imagery and media.

**AART 2011 PAINTING I** 2-4-3  
Prerequisite: AART 1110, AART 2131  
Acrylic painting from observed and secondary sources.

**AART 2012 PAINTING II** 2-4-3  
Prerequisite: AART 2011  
Continuation of Painting I with increased emphasis on student selected problems.

**AART 2040 INTRODUCTION TO PHOTOGRAPHY** 2-4-3  
Black and white photographic aesthetics, processes. Functions of 35mm camera and processing of film and printing.

**AART 2110 GRAPHIC DESIGN** 2-4-3  
Prerequisite: AART 1110, Permission of Instructor and/or Department  
Fundamentals of visual graphic communication as related to modern advertising techniques. Emphasis on design, layout, typography, and reproduction.

**AART 2150 THE COMPUTER IN ART** 2-4-3  
Prerequisite: AART 1110, Permission of Instructor and/or Department  
Computer as a tool for making art using its unique output characteristics to produce hardcopy on various printers and for making art using the hardcopy combined with traditional media. Emphasis on image making and image manipulation.

**AART 2400 INTRODUCTION TO CRAFT** 2-4-3  
Basic craft processes and techniques with emphasis on fibers and metalwork.

**AART 3030 OIL PAINTING** 2-4-3  
Prerequisite: AART 2011  
Special qualities and techniques of oil painting.

**AART 3040 WATERCOLOR PAINTING** 2-4-3  
Prerequisite: AART 2131  
Exploration of traditional and experimental approaches to transparent watercolor.

- AART 3130 DRAWING III** 2-4-3  
Prerequisite: AART 2131  
Continuation of Drawing II emphasizing complex problems in concept design and media.
- AART 3140 INTERMEDIATE PHOTOGRAPHY** 2-4-3  
Prerequisite: AART 2040  
Advanced study of the aesthetics and processes in black and white photography.
- AART 3150 COLOR PHOTOGRAPHY** 2-4-3  
Prerequisite: AART 2040  
Aesthetics and print processes of color photography.
- AART 3160 HAND COLORED AND MANIPULATED SILVER PRINT** 2-4-3  
Prerequisite: AART 2040  
Exploration of media and techniques to enhance and alter a silver print. Emphasis on hand applied color and toning.
- AART 3170 EXPERIMENTATION IN PHOTOGRAPHY** 2-4-3  
Prerequisite: AART 2040  
Exploration of experimental techniques, i.e. solarization, mordancage, negative prints, photograms, double exposures, and others. Non-silver processes, cyanotype, van dyke brown and others.
- AART 3200 ART AND THE CHILD** 2-4-3  
The child and his/her development in relation to qualitative art experiences including studio experiences. Emphasis on materials and methods suitable for teaching art at the elementary school level. (May not be used for credit by Art Education majors.)
- AART 3301 CERAMICS I** 2-4-3  
Fundamentals of wheel thrown pottery, handbuilding techniques, ceramic sculpture. Emphasis on decoration, form, craftsmanship, creativity. Traditional glazing and firing techniques and exploration into non-traditional methods of coloring and construction.
- AART 3302 POTTERY TECHNIQUES** 2-4-3  
Techniques of pottery utilizing the potter's wheel.
- AART 3330 CERAMIC SCULPTURE** 2-4-3  
Prerequisite: AART 3301 Emphasis on developing ideas into large scale ceramic sculpture. Individual attention and direction facilitated. Projects may include pottery, the figure, abstractions, wall relief, mixed media constructions.
- AART 3350 GLAZE EXPERIMENTATION** 2-4-3  
Prerequisite: AART 3301  
Raw materials and chemicals used in glazes, glaze formulation, and firing glazes in oxidation, reduction, and raku kilns.
- AART 3400 PRINTMAKING I** 2-4-3  
Basic printmaking processes. Emphasis on relief, intaglio and nontraditional processes, i.e. collagraph, monoprints.
- AART 3620 JEWELRY/ENAMELING** 2-4-3  
Design and production of jewelry and enameled objects.
- AART 3630 FABRIC DESIGN** 2-4-3  
Application of original designs to fabric with emphasis on batik, tie-dye, direct application, and combined techniques.

- AART 3640 WEAVING** 2-4-3  
Basic weaves, the hand loom, and off the loom weaving techniques.
- AART 3660 PAPERMAKING** 2-4-3  
Hand papermaking with emphasis on the production of both two and three dimensional pieces.
- AART 3700 FIGURE SCULPTURE** 2-4-3  
Prerequisite: AART 3301  
Basic sculpture ideas, terminology, processes. Emphasis on the human figure using clay and other media.
- AART 3710 SCULPTURE MATERIALS** 2-4-3  
Additive and subtractive sculpture techniques with emphasis on wood construction, carving, and mixed media.
- AART 3750 CONTEMPORARY ART & CRITICISM** 3-0-3  
Prerequisite: AART 2710, AART 2720  
Exploration of contemporary art historical and critical issues.
- AART 4140 FIGURE DRAWING** 2-4-3  
Prerequisite: AART 2132  
The human figure as structure and expressive form in various media.
- AART 4500 CURRICULUM AND METHODS IN ART EDUCATION** 2-4-3  
Prerequisite: AART 3500, AART 3510, Admission to Teacher Education  
Supervised practice designed to give students the opportunity to further their studies in art education theory, history of art education, methods in teaching art, and use of technology in art education including supervised practice in the field.
- AART 4700 SENIOR PORTFOLIO** 2-4-3  
Open to Seniors. Development of a body of work in medium of choice that demonstrates a consistent theme or approach. Course taken in preparation for the Senior Portfolio Review and exhibition.
- AART 4890 SELECTED STUDIES IN ART** V-V-(1-4)  
Prerequisite: Permission of Instructor and/or Department  
Offered on demand to meet special institutional and community needs. May be repeated for credit.
- AART 4900 DIRECTED INDIVIDUAL STUDY** V-V-(1-4)  
Independent course of study for advanced students in a discipline as mutually agreed to by the student and the instructor.
- AART 4910 INTERNSHIP** 2-4-3  
Prerequisite: Permission of Instructor and/or Department  
Individually designed off campus study, work, and/or research project under the joint supervision of an institutional sponsor and a faculty supervisor. Must have minimum GPA of 2.5.
- AART 4950 SPECIAL PROBLEMS** 2-4-3  
Prerequisite: Nine hours of coursework in a selected studio area.  
Special problems in visual arts mutually agreed to by the student and instructor.

### **(ARAP) – Art Appreciation**

- ARAP 1100 ART APPRECIATION** 3-0-3  
Artistic theories, styles, media, and techniques as they relate to the visual arts. Not recommended for art majors.

**ARAP 1270 WORLD ART AND MUSIC**

3-0-3

Comparison of traditional art and music from a variety of world cultures. Emphasis on art and music's role, media and techniques, and the inherent personal expression of various artists and composers.

**(ARED) – Art Education****ARED 3500 ART IN THE ELEMENTARY GRADES**

2-4-3

Planning and implementing art instruction at the elementary level. Emphasis on materials, methods, procedures, and technology appropriate to children at different developmental levels with directed observation.

**ARED 3510 ART FOR PRE-ADOLESCENT AND ADOLESCENT**

2-4-3

Planning and implementing art instruction at the secondary level. Emphasis on materials, methods, procedures, and technology appropriate to the pre-adolescent and adolescent with directed observations.

**(ARHS) – Art History****ARHS 2710 ART HISTORY I**

3-0-3

Visual arts from prehistory to the Baroque period.

**ARHS 2720 ART HISTORY II**

3-0-3

Visual arts from the Baroque period to World War II.

**(ARST) – Art-Studio****ARST 1111 2-D DESIGN**

2-4-3

The fundamentals of two dimensional design introduced through projects in a variety of media.

**ARST 1112 3-D DESIGN**

2-4-3

Prerequisite: ARST 1111

The fundamentals of three dimensional design using a variety of sculptural imagery and media.

**ARST 2131 DRAWING I**

2-4-3

Representational drawing from still-life landscape, and figurative sources.

**ARST 2132 DRAWING II**

2-4-3

Prerequisite: ARST 2131

A continuation of Drawing I with emphasis on color and composition.

**(ASTR) – Astronomy****ASTR 1010 ASTRONOMY OF THE SOLAR SYSTEM**

3-0-3

Prerequisite: Eligibility for MATH 1111

Astronomical concepts, methods of observation, and a study of the solar system including analytical and quantitative activities in gravitation and orbital motion.

**ASTR 3100 INTRODUCTION TO STELLAR ASTRONOMY**

3-0-3

Prerequisite: Eligibility for MATH 1111

Introduction to stellar astronomy. Stars, evolution of stars, galaxies, active galaxies and quasars, structure of the universe, and cosmology.

**(BIOL) – Biology**

- BIOL 1107 PRINCIPLES OF BIOLOGY I** 3-3-4  
Characteristics of living systems, structure and function of cells, genetics, evolution, biological chemistry, photosynthesis, principles and global aspects of ecology.
- BIOL 1108 SURVEY OF THE ANIMAL KINGDOM** 3-3-4  
Prerequisite: BIOL 1107  
Evolutionary survey of the major animal phyla with special consideration of organ systems and natural history.
- BIOL 1120 DIVERSITY OF LIFE** 3-3-4  
Prerequisite: BIOL 1107  
Survey of the kingdoms of life, including monera, protista, fungi, plantae, animalia, and sub-life groups such as viruses. (Credit may not be applied toward a major in biology.)
- BIOL 1121 HUMAN BIOLOGY** 3-0-3  
Prerequisite: BIOL 1107  
Structure and function of human organ systems, human heredity, evolution, and ecology. (Credit may not be applied toward a major in biology.)
- BIOL 1122 ENVIRONMENTAL BIOLOGY** 3-0-3  
Prerequisite: BIOL 1107  
Relationship of humans to their environment with consideration of natural cycles and balances, populations, energy, air and water pollution, solid waste issues and environmental regulation and legislation. (Credit may not be applied toward a major in biology.)
- BIOL 2010 MICROBIOLOGY** 3-3-4  
Prerequisite: BIOL 1107  
Corequisite: CHEM 1211  
Genetics, classifications and methods of control of bacteria, fungi, protozoa and viruses, with introduction to medical, industrial and environmental microbiology.
- BIOL 2020 SURVEY OF THE KINGDOMS PLANTAE & FUNGI** 3-3-4  
Prerequisite: BIOL 1107  
Phylogeny, morphology and ecology of plants, fungi, and lichens including prokaryotic and eukaryotic algae, bryophytes, extinct early land plants and their extant species and fossil records of ferns, gymnosperms and flowering plants.
- BIOL 2081 HUMAN ANATOMY & PHYSIOLOGY I** 3-2-4  
Gross anatomy, histology and physiology of human organ systems. (Non-majors course intended for health professions students.)
- BIOL 2082 HUMAN ANATOMY & PHYSIOLOGY II** 3-2-4  
Prerequisite: BIOL 2081  
A continuation of BIOL 2081. Anatomy, histology, and physiology of human organ systems. (Non-majors course intended for health professions students.)
- BIOL 2150 HUMAN PHYSIOLOGY AND DISEASE** 3-2-4  
Prerequisite: BIOL 2082  
Disease as a disruptive factor of physiological homeostasis: normal function, control, and environment of cells as a basis for understanding cellular and systemic responses to agents of injury and organismic effects to those responses. (Credit may not be applied to a major in biology.)

- BIOL 2210 MICROORGANISMS AND DISEASE** 3-3-4  
Prerequisite: BIOL 2282  
Morphology, genetics, physiology, and public health importance of microorganisms with emphasis on bacterial pathogens.
- BIOL 2230 FOOD SCIENCE & TECHNOLOGY** 3-0-3  
Prerequisite: BIOL 2010, CHEM 1211  
Interdisciplinary survey of the chemical and biological nature and utilization of foods, including storage and processing technologies affecting health, safety, and consumption.
- BIOL 2500 PRINCIPLES OF MODERN BIOLOGY** 2-0-2  
Prerequisite: BIOL 1107  
Modern theories of gene structure, regulation and expression and principles of metabolism.
- BIOL 3000 CELL BIOLOGY** 4-0-4  
Prerequisite: BIOL 2500  
Corequisite: CHEM 1211  
Evolution of cells from prokaryotic and from unicellular to multicellular. Structure of membranes, organelles, and cytoplasmic background, mitosis, meiosis, and the cell division cycle.
- BIOL 3010 MODERN BIOLOGY LABORATORY** 0-4-1  
Prerequisite: BIOL 1107, BIOL 2500  
Corequisite: CHEM 1211  
Methods, techniques, and computer programs in modern cell and organismal biology. Micropipeting, protein assay including spectrophotometry and use of Kohler illumination, ocular micrometer calibration, plate magnification, DNA isolation and electrophoresis, and polymerase chain reaction.
- BIOL 3100 MAN AND THE ENVIRONMENT** 3-0-3  
Prerequisite: BIOL 1107  
Interactions between humans and the support systems of the earth which are essential to their existence. (Credit for this course may not be applied toward a major in biology.)
- BIOL 3150 HORTICULTURE** 3-2-4  
Prerequisite: BIOL 1107, BIOL 2020  
Basic gardening principles with emphasis on plant growth and development as responses to environmental conditions; plant classification, growth and development, environment, propagation, disease, pest control.
- BIOL 3200 TAXONOMY AND IDENTIFICATION OF FLOWERING PLANTS** 1-7-4  
Prerequisite: BIOL 1107, BIOL 2020  
Taxonomic systems used in plant classification, dichotomous keys, phytophraphy, concepts of taxa, and uses of herbaria. Characteristics of major flowering plant families in the southeastern United States. Museum quality plant collection required. Weekly local field trips and trips to mountain regions and Florida.
- BIOL 3230 ANATOMY OF THE SEED PLANTS** 3-3-4  
Prerequisite: BIOL 1107, BIOL 2020  
The cells, tissues, and internal organ structure of seed plants with emphasis on conifers and flowering plants. Coverage includes a detailed treatment of wood structure and wood identification techniques.

- BIOL 3300 ENTOMOLOGY** 3-4-4  
Prerequisite: BIOL 1107, BIOL 1108  
Insects - structure, identification, and biology.
- BIOL 3310 INVERTEBRATE ZOOLOGY** 3-3-4  
Prerequisite: BIOL 1107, BIOL 1108  
Structure, body functions, interrelations, and natural history of invertebrate groups.
- BIOL 3400 HUMAN PHYSIOLOGY** 3-0-3  
Prerequisite: BIOL 2500  
Human organ systems with special attention to neuromuscular and cardiopulmonary function.
- BIOL 3410 FUNDAMENTALS OF NUTRITION** 3-0-3  
Prerequisite: BIOL 1108, BIOL 2082 ,CHEM 1211  
Biological bases of animal, including human, nutrition; sources, biological utilization, and functions of nutrients.
- BIOL 3510 BACTERIOLOGY** 3-3-4  
Prerequisite: BIOL 2500  
Corequisite: CHEM 1211  
Prokaryotic cell structure and function including methods of control, industrial uses, and ecology.
- BIOL 3520 MEDICAL MICROBIOLOGY** 3-0-3  
Prerequisite: BIOL 2010, CHEM 1211  
Disease causing microbes, their diagnosis, pathogenesis, and epidemiology.
- BIOL 3530 IMMUNOLOGY AND SEROLOGY** 3-3-4  
Prerequisite: BIOL 2010, CHEM 1211  
Humoral and cellular immunity, structure and biosynthesis of antibodies, and interactions between antigens and antibodies. Emphasis on allergic states and immunological diseases.
- BIOL 3580 HISTOLOGICAL TECHNIQUE** 1-8-4  
Prerequisite: BIOL 1108, BIOL 2010, BIOL 2020  
Principles and methods of killing, fixing, embedding, sectioning, staining, and mounting plant and animal materials.
- BIOL 3700 GENETICS** 3-4-4  
Prerequisite: BIOL 2500, BIOL 3000  
Classical, sex-associated, linkage and mapping, chromosomal, cytoplasmic, quantitative, population, and basic genetics of microorganisms and viruses. Lab emphasis on drosophila, plants, and the ascomycetes.
- BIOL 3750 NATURAL HISTORY OF VERTEBRATE ANIMALS** 3-4-4  
Prerequisite: BIOL 1108  
Life histories, taxonomy, evolution, and adaptations of vertebrate animals with emphasis on identification and examination of local vertebrates through field oriented labs.
- BIOL 3770 DEVELOPMENTAL AND COMPARATIVE ANATOMY OF THE VERTEBRATES** 3-6-4  
Prerequisite: BIOL 1108  
Development, anatomy, and evolution of vertebrate organ systems.
- BIOL 3870 ANIMAL HISTOLOGY** 3-3-4  
Prerequisite: BIOL 1108  
Tissues and their organization into organs and organ systems in animals.



- BIOL 3920 PARASITOLOGY** 3-4-4  
Prerequisite: BIOL 1107, BIOL 1108  
Comparative study of the internal and external parasites of humans and other animals.
- BIOL 4000 ADVANCED CELLULAR PHYSIOLOGY** 3-0-3  
Prerequisite: BIOL 2500, BIOL 3000  
Corequisite: CHEM 2101, CHEM 2101L  
Mechanisms, models, and theories explaining cellular phenomena with emphasis on eukaryotic animal cells, to include activities, electrical properties of cells, motility and communication.
- BIOL 4010 EVOLUTION** 3-0-3  
Prerequisite: BIOL 1108, BIOL 2010, BIOL 2020, BIOL 2500  
Fossil and molecular evidence for the evolution of life on earth, mechanisms for evolution, rates of evolution, extinction, times of appearance, and dominance of the major vertebrate classes and vascular plant groups.
- BIOL 4090 MOLECULAR GENETICS** 1-8-4  
Prerequisite: BIOL 2010, BIOL 2500, BIOL 3000  
Corequisite: CHEM 2101, CHEM 2101L  
Theories and principles in molecular biology including applications and ethical issues associated with new technologies. Laboratory emphasis on DNA isolation, quantification, hybridization and sequencing using prokaryotic systems. Methodologies include gel electrophoresis, Southern blotting and polymerase chain reaction. Term paper with oral and written presentations required.
- BIOL 4150 PLANT PHYSIOLOGY** 3-3-4  
Prerequisite: BIOL 2020, BIOL 2500, BIOL 3000  
Physiologic processes occurring in plants and the conditions which affect these processes.
- BIOL 4200 GENERAL VERTEBRATE PHYSIOLOGY** 3-0-3  
Prerequisite: BIOL 1108, BIOL 2500  
Corequisite: BIOL 4220, CHEM 2101  
General physiologic processes of vertebrates.
- BIOL 4210 COMPARATIVE PHYSIOLOGY** 3-0-3  
Prerequisite: BIOL 1108, BIOL 2500, BIOL 3000  
Corequisite: CHEM 2101  
Homeostatic mechanisms in animals, with emphasis on differing organs and adaptations which allow organisms to survive and succeed in their normal habitats, and animals' responses to normal environmental conditions and to experimental conditions.
- BIOL 4220 ENDOCRINOLOGY** 3-0-3  
Prerequisite: BIOL 1108, BIOL 2500, BIOL 3000  
Corequisite: BIOL 4200, CHEM 2101  
Vertebrate endocrine systems, its glands, targets, mechanisms of action, and control of metabolism.
- BIOL 4300 MICROBIAL PHYSIOLOGY** 3-0-3  
Prerequisite: BIOL 2010, BIOL 2500, BIOL 3000  
Corequisite: CHEM 2101  
Basic principles of chemical cytology of the microbial cell. Cell membrane structure and function, biochemistry of the cell, substrate uptake, energy production and conversions, metabolism, monomer and polymer biosynthesis, regulation and differentiation.

- BIOL 4310 APPLIED MICROBIOLOGY** 3-3-4  
Prerequisite: BIOL 2010, BIOL 2500, BIOL 3000  
Corequisite: CHEM 2101  
Microbiological aspects of food, milk, water, domestic wastes, and industry.
- BIOL 4320 ENVIRONMENTAL MICROBIOLOGY** 4-0-4  
Prerequisite: BIOL 2010, BIOL 2500, BIOL 3000  
Corequisite: CHEM 2101  
Principles and applications of environmental microbiology. Topics include habitat and community ecology; biogeochemical cycles; biodegradation; pollution control; resource recovery; soil, water, and waste management. Lab research project with oral and written presentations required.
- BIOL 4400 VIROLOGY** 3-0-3  
Prerequisite: BIOL 2010, BIOL 2500, BIOL 3000  
Chemical and physical characteristics of viruses including pathogenesis and epidemiology.
- BIOL 4450 MORPHOLOGY OF VASCULAR PLANTS** 3-3-4  
Prerequisite: BIOL 2020  
Vascular plants with emphasis on form, anatomy, organography, reproduction, and evolutionary relationships; gametophyte and sporophyte structure, gametangia, sporangia, and embryogeny. Plant divisions from the extinct Rhyniophytes to the Magnoliophyta.
- BIOL 4510 MODERN PRINCIPLES OF DEVELOPMENT** 3-0-3  
Prerequisite: BIOL 1108, BIOL 2500, BIOL 3000  
Cellular and molecular level signals which guide differentiation and morphogenesis.
- BIOL 4550 BIOLOGY OF MARINE ORGANISMS** 3-4-4  
Prerequisite: BIOL 1108, BIOL 2020  
Relationship between organisms and abiotic and biotic features of the marine environment, with emphasis on local marine ecosystems. Field labs.
- BIOL 4560 PHYSIOLOGICAL ECOLOGY** 3-3-4  
Prerequisite: BIOL 1108, BIOL 2020, BIOL 2500  
Organismal level, especially animal, responses and adaptations to biotic and abiotic environmental variables, primarily heat, light, and water.
- BIOL 4700 GENERAL ECOLOGY** 3-4-4  
Prerequisite: Open to Seniors.  
Principles of ecology and their application to the welfare of humans; field study of populations and communities, research project with oral and written presentation. Ecology is a discipline which draws on information and methods from other areas of biology and science, and constitutes a "capstone" experience for biology students. Required for biology major. Must have two biology courses numbered 3000 or above to register.
- BIOL 4800 SENIOR SEMINAR** 1-0-1  
Prerequisite: Open to Seniors.  
Library research, oral and written presentations, discussions in related areas of biology. Open to seniors in the last two semesters of their biology major program. Required for biology majors.

**BIOL 4910 RESEARCH I** V-V-3

Prerequisite: Permission of Instructor and/or Department  
Assigned research activity directed by a faculty member in the department: literature search, field and/or laboratory investigation and presentation, oral and written, of results. Project to be approved by the faculty member and department head. Must have three biology major courses at the 3000+ level and a "B" average in biology courses and overall work.

**BIOL 4920 RESEARCH II** V-V-3

Prerequisite: Permission of Instructor and/or Department  
Assigned research activity directed by a faculty member in the department: literature search, field and/or laboratory investigation and presentation, oral and written, of results. Project to be approved by the faculty member and department head. Must have three biology major courses at the 3000+ level and a "B" average in biology courses and overall work.

**BIOL 4950 INTERNSHIP I** V-V-3

Prerequisite: Permission of Instructor and/or Department  
Biological project sponsored by an outside agency. Project selected, supervised, evaluated by faculty advisor and department head in consultation with outside agency.

**BIOL 4960 INTERNSHIP II** V-V-3

Prerequisite: Permission of Instructor and/or Department  
Biological project sponsored by an outside agency. Project selected, supervised, evaluated by faculty advisor and department head in consultation with outside agency.

**BIOL 4970 SPECIAL TOPICS** V-V-3

Prerequisite: Permission of Instructor and/or Department  
Topics of special interest.

**BIOL 5810U HUMAN PHYSIOLOGY** 3-0-3

Functioning of human organs and systems. Some neuromuscular and cardiopulmonary emphasis.

**(CEUG) – Education Core****CEUG 1010 HUMAN GROWTH & DEVELOPMENT** 3-1-3

Lifespan development that focuses on physical, emotional, cognitive, and social development. Application to classroom teaching and learning.

**CEUG 2100 TEACHING & THE EXCEPTIONAL CHILD** 3-1-3

Prerequisite: CEUG 1010  
Orientation to professional teaching and to the exceptional child with emphasis on educational implications and rehabilitation requirements.

**CEUG 3072 TEACHING OF READING** 3-4-3

Prerequisite: MGSE 3071  
Developmental reading program with emphasis on reading skills, approaches, techniques, materials and evaluation including directed field experiences.

**CEUG 3500 ORAL COMMUNICATION FOR TEACHERS** 3-0-3

Prerequisite: Permission of Instructor and/or Department  
Morphological, phonological, syntactical, grammatical, and semantic structures of each student's idiolect and strategies for moving to standard American English.

- CEUG 4100 INDEPENDENT STUDY** 1-8-3  
 Prerequisite: Admission to Teacher Education  
 An in-depth, closely supervised, instructor approved study in education. Student must have skills in independent research and study.
- CEUG 4110 STUDENT TEACHING P-12**  
 Prerequisite: Admission to Teacher Education  
 Provides opportunities to use knowledge and skills in a supervised P-12 public school setting.
- CEUG 4630 CLASSROOM MANAGEMENT P-12** 3-8-3  
 Prerequisite: Admission to Teacher Education  
 Provides research knowledge base to create a well managed classroom and guide the behavior of P-12 students. Field based placement.
- CEUG 4811/4812 INTERNSHIP P-12** 0-V-6  
 Prerequisite: Permission of the Director of Professional Laboratory Experiences.  
 Students who hold teaching positions in school and/or clinical settings will be supervised by a University faculty member for one academic semester.
- CEUG 5010U EDUCATION TESTS & MEASUREMENTS** 3-2-3  
 Prerequisite: Orientation/Teaching Module Completed  
 Measurements which cover statistical methods, research designs and research problems, and administration and evaluation of psychological tests.
- (CHEM) – Chemistry**
- CHEM 1151 SURVEY OF CHEMISTRY I** 3-0-3  
 Prerequisite: Eligibility for MATH 1111  
 First course in a two-semester sequence covering elementary principles of general, organic and biochemistry designed for allied health profession majors.
- CHEM 1151L SURVEY OF CHEMISTRY I LABORATORY** 0-3-1  
 Prerequisite: Eligibility for MATH 1111  
 Laboratory exercises supplement the lecture material of CHEM 1151.
- CHEM 1152 SURVEY OF CHEMISTRY II** 3-0-3  
 Prerequisite: CHEM 1151  
 Second course in a two-semester sequence covering elementary principles of general, organic and biochemistry designed for allied health profession majors.
- CHEM 1152L SURVEY OF CHEMISTRY II LABORATORY** 0-3-1  
 Prerequisite: CHEM 1151L  
 Laboratory exercises supplement the lecture material of CHEM 1152.
- CHEM 1211 PRINCIPLES OF CHEMISTRY I** 3-0-3  
 Prerequisite or Corequisite: MATH 1111  
 Corequisite: CHEM 1211L  
 First course in a two-semester sequence covering the fundamental principles and applications of chemistry designed for science majors. Topics include composition of matter; nomenclature; atomic structure; bonding and molecular geometries; stoichiometry; properties of solids, liquids, gases; acids and bases; solutions; thermochemistry; and periodic relations.
- CHEM 1211L PRINCIPLES OF CHEMISTRY LAB I** 0-4-1  
 Corequisite: CHEM 1211  
 Analytical applications of chemical laws and principles emphasized through laboratory investigations.

- CHEM 1212 PRINCIPLES OF CHEMISTRY II** 3-0-3  
Prerequisite: CHEM 1211  
Corequisite: CHEM 1212L  
First course in a two-semester sequence covering the fundamental principles and applications of chemistry designed for science majors. Topics include thermodynamics; equilibria (including complex equilibria); kinetics; electrochemistry; nuclear chemistry; descriptive inorganic chemistry; and introduction to organic chemistry.
- CHEM 1212L PRINCIPLES OF CHEMISTRY LAB II** 0-4-1  
Corequisite: CHEM 1212  
Analytical applications of chemical laws and principles emphasized through laboratory investigations.
- CHEM 2010 ESSENTIALS OF CHEMISTRY** 3-0-3  
Prerequisite: Eligibility for MATH 1111  
Quantitative survey of chemical sciences emphasizing applications in human physiology, clinical chemistry, inorganic, organic, and biochemistry. Experimental principles illustrated with classroom demonstrations. (Credit in CHEM 2010 may not be applied to the major field requirement in chemistry.)
- CHEM 2101 ORGANIC CHEMISTRY I** 3-0-3  
Prerequisite: CHEM 1212  
Prerequisite or Corequisite: CHEM 2101L  
Fundamental principles and theories of organic chemistry. Topics include bonding, organic functional groups, organic synthesis, and spectroscopic analysis of organic molecules.
- CHEM 2101L ORGANIC CHEMISTRY I LAB** 0-4-1  
Prerequisite or Corequisite: CHEM 2101  
Experiments utilize laboratory techniques in organic chemistry; reactions of organic compounds, organic synthesis, and spectroscopic analysis.
- CHEM 2102 ORGANIC CHEMISTRY II** 3-0-3  
Prerequisite or Corequisite: CHEM 2102L  
Prerequisite: CHEM 2101, CHEM 2101L  
Continuation of CHEM 2101, Organic Chemistry I.
- CHEM 2102L ORGANIC CHEMISTRY II LAB** 0-4-1  
Prerequisite or Corequisite: CHEM 2102  
Experiments utilize laboratory techniques in organic chemistry; reactions of organic compounds, organic synthesis, and spectroscopic analysis.
- CHEM 2200 SCIENCE, TECHNOLOGY & THE MODERN WORLD** 3-0-3  
Prerequisite or Corequisite: MATH 1111  
Impact of science and technology on everyday life using quantitative case studies.
- CHEM 2230 FOOD SCIENCE & TECHNOLOGY** 3-0-3  
Interdisciplinary study of the chemical and biological nature and utilization of foods, including storage and processing technologies affecting health, safety, and consumption.
- CHEM 2300 PRINCIPLES OF CHEMICAL ANALYSIS** 3-4-4  
Prerequisite: CHEM 1212  
Classical methods of analysis including gravimetric and volumetric including statistical treatment of data and aqueous equilibria. Practical applications of fundamental principles of chemical analysis emphasized in the lab.

**CHEM 2600 ETHICAL THEORIES AND MORAL ISSUES  
IN THE SCIENCES**

2-0-2

Prerequisite or corequisite: 6 sem hrs of science

Examination of the relation between ethical theory and moral practice in specific areas of our society. This course involves two parts: (1) an explanation and analysis of the principal ethical theories of the Western world and (2) the application of those ethical theories to moral issues and case studies in the physical sciences.

**CHEM 3071 PRINCIPLES CHEMICAL PROCESS I**

2-0-2

Prerequisite: CHEM 1212, MATH 1161

Introduction to methods of material and energy balance in chemical processes. Emphasis on process variables, systems of units, gas behavior, single/multiphase systems, and energy changes in reactive/non-reactive processes. (Credit in CHEM 3071 may not be applied to the major field requirement in chemistry.)

**CHEM 3072 PRINCIPLES CHEMICAL PROCESS II**

2-0-2

Prerequisite: CHEM 3071

Continuation of CHEM 3071. (Credit in CHEM 3072 may not be applied to the major field requirement in chemistry.)

**CHEM 3100 CHEMICAL FORENSICS**

3-4-4

Prerequisite: Eligibility for MATH 1111, 3 semester hours of lab science

Fundamental principles of chemical forensics. Topics studied but not limited to include explosives, soil, paint, blood and body fluid chemistry. Laboratory component reinforces the topics covered with a hands-on approach.

**CHEM 3200 INORGANIC CHEMISTRY**

3-4-4

Prerequisite: CHEM 2300

Prerequisite or Corequisite: CHEM 2101

Fundamental principles in inorganic chemistry. Topics include electronic structure of atoms, inorganic bonding theories, group theory, coordination chemistry, and spectroscopic applications. The lab reinforces theoretical aspects.

**CHEM 3300 INSTRUMENTAL ANALYSIS**

3-4-4

Prerequisite: CHEM 2102, CHEM 2300

Modern methods of instrumental analysis with emphasis on electroanalytical, spectrophotometric and chromatographic techniques. Practical applications of fundamental principles of instrumental analysis reinforced in the lab.

**CHEM 3401 PHYSICAL CHEMISTRY I**

3-4-4

Prerequisite: PHYS 1111 or PHYS 2211, CHEM 2300, MATH 1161

Fundamentals of physical chemistry including gas laws, heat and work, and laws of thermodynamics. Material and reaction equilibrium and standard thermodynamic functions. Single and multi-component phase equilibria. Analytical applications of physical chemistry emphasized through lab investigations.

**CHEM 3402 PHYSICAL CHEMISTRY II**

3-4-4

Prerequisite: CHEM 3401

Continuation of CHEM 3401. Kinetic-molecular theory, transport processes, reaction kinetics, quantum mechanics, theories of atomic/molecular structure, spectroscopy, photochemistry. Analytical applications of physical chemistry emphasized through lab investigations.

- CHEM 3801 BIOCHEMISTRY I** 3-4-4  
Prerequisite: CHEM 2102  
Chemistry of cellular components. Protein structure and function, enzyme kinetics, and mechanisms of catalysis, carbohydrate and lipid metabolism and biosynthesis. Analytical applications of biochemistry emphasized through lab investigations.
- CHEM 3802 BIOCHEMISTRY II** 3-0-3  
Prerequisite: CHEM 3801  
Chemistry of cellular components: function and biosynthesis of nucleic acids, DNA manipulations and recombinant technology, DNA transcription, translation, protein synthesis and regulation of gene expression.
- CHEM 3900 CHEMICAL RESEARCH** 0-V-V  
Prerequisite: Open to majors in Chemistry, Permission of Department Head  
Prerequisite or Corequisite: CHEM 2102  
Faculty originated chemical lab-based research project. Written report. Open to transient students only with permission of the Department Head.
- CHEM 4100 ADVANCED ORGANIC CHEMISTRY** 3-4-4  
Prerequisite: CHEM 2102, CHEM 2102L, CHEM 3402  
Topics include synthesis of complex molecules and natural products, asymmetric synthesis and mechanistic organic chemistry. Analytical applications of organic chemistry emphasized through lab investigations.
- CHEM 4200 ADVANCED INORGANIC CHEMISTRY** 3-4-4  
Prerequisite: CHEM 3200, CHEM 3401  
Topics include mechanisms of inorganic reactions, bioinorganic chemistry, solid state, organometallic and others of current interest. Independent research project including a literature search, lab research, and oral presentation of results required.
- CHEM 4300 ADVANCED INSTRUMENTAL ANALYSIS** 3-4-4  
Prerequisite: CHEM 3300, CHEM 3402  
Spectrographic and chromatographic analysis. Ultraviolet, atomic emission, atomic absorption, infrared, nuclear magnetic resonance, mass spectrometry, gas and high performance liquid chromatography. Analytical applications of instrumental analysis emphasized in the lab.
- CHEM 4940 SPECIAL TOPICS IN CHEMISTRY** V-V-(1-3)  
Prerequisite: Announced with the Topic, Permission of Department Head  
Topics chosen from all fields of chemistry dependent on instructor and student interest. Offered by special arrangement.
- CHEM 4960 INTERNSHIP** V-V-(1-12)  
Prerequisite: CHEM 2102, CHEM 3300, CHEM 3402, Permission of Department Head  
Supervised individual research in a non-academic lab setting. Directed by a scientist on-site. Work and credit pre-approved by department head. Paper and oral presentation required.
- CHEM 4991/2/3/4 ADVANCED CHEMICAL RESEARCH** 0-V-V  
Prerequisite: Permission of Department Head, CHEM 2101, CHEM 5501U, CHEM 3401  
Faculty-originated chemical lab-based research project. Literature evaluation and lab investigation. Scientific paper and oral presentation to faculty.

**CHEM 5501U CHEMISTRY SEMINAR I** 1-0-1

Prerequisite: CHEM 2102

Introduction to use of the chemistry library, journals, references and electronic information sources. Students select approved topic of scientific interest, perform a literature search, and organize a written critique. Students required to attend faculty lectures/scientific lectures.

**CHEM 5502U CHEMISTRY SEMINAR II** 1-0-1

Prerequisite: CHEM 5501U

Continuation of CHEM 5501U. Students required to select approved topic, perform a literature search, organize a written report, and make an oral presentation at faculty/student forum.

**CHEM 5600U CHEMICAL SAFETY** 2-0-2

Prerequisite: CHEM 2102

Standard laboratory safety practices emphasizing the hazardous properties of chemicals, safe storage, chemical disposal and government regulations.

**CHEM 5700U HISTORY OF CHEMISTRY** 3-0-3

Prerequisite: CHEM 1212 or PHSC 1212

Survey of the development of chemistry and its relationship to the study of science. Prominent chemists, chemical theories, and implications of science covered. Written and oral presentations. (Credit may not be applied to the major field requirements in chemistry.)

**(CLAS) – Classics****CLAS 3351/3352/3353 STUDY ABROAD IN ROME & ATHENS** 9-0-9

Prerequisite: LATN 1103

An 8-9 week summer semester's residence and study in Rome and Athens in conjunction with the Studies Abroad Program of the University System of Georgia. Through visits to monuments, museums, and classical ruins, and on excursions to Crete, Delphi, Ostia, Tivoli, Tarquinia, and Frascati, the student experiences first hand the reality of life in the ancient world.

**(COMM) – Communication****COMM 2280 SPEECH COMMUNICATION** 3-0-3

Prerequisite: ENGL 1101

Practice and theory of communication and public speaking, focusing on developing the skills required to prepare and deliver a public address.

**COMM 3050 INTERPERSONAL AND SMALL GROUP COMMUNICATION** 3-0-3

Prerequisite: ENGL 1101

Examination of communication as a tool in creation and implementation of organizational policy.

**COMM 3060 PUBLIC RELATIONS** 3-0-3

Prerequisite: ENGL 2100

Introduction to the nature and scope of public relations, the principles and techniques underlying the practice.



- COMM 3270 VIDEO LAB** 0-1-1  
Prerequisite: ENGL 1101  
Practical experience in video production through work on approved projects under supervision of AASU's video production coordinator. Only one hour of credit may be earned per quarter. Repeatable up to three hours.
- COMM 3360 CRITICAL APPROACHES TO MASS CULTURE** 3-0-3  
Prerequisite: ENGL 2201, PHIL 2201, PHIL 2251  
An examination of the theoretical and critical approaches to the study of various forms of cultural expression, including film television, popular literature, magazines, music, video, and radio. Applications of critical methodologies such as psychoanalytic, structuralist, semiotic, historical, ethnographic, political, gender, aesthetic, race, ethnic, and deconstructive criticism to these various forms of cultural expression.
- COMM 4000 SPECIAL TOPICS IN COMMUNICATION** V-V-3  
Prerequisite: COMM 2280 or Permission of instructor  
Subject announced when course offered. Subjects vary, such as: environmental impacts on communication, transactional analysis theory.
- (CRJU) – Criminal Justice**
- CRJU 1010 INTRODUCTION TO CRIMINAL JUSTICE** 3-0-3  
Prerequisite: Eligibility for ENGL 1111  
Emergence and current state of formal institutions established within the American experience to deal with criminal behavior. Philosophical, cultural, social, economic, and political aspects of the justice system and process.
- CRJU 1020 ETHICAL THEORIES AND MORAL ISSUES IN CRIMINAL JUSTICE** 2-0-2  
Relationship between ethical theory and criminal justice policies and practices. Principal ethical theories of the Western world and the application of these theories to the administration of justice in the United States. Ethical underpinnings of the crime control and due process models of justice.
- CRJU 1030 INTERPERSONAL COMMUNICATION SKILLS** 3-0-3  
Development of interpersonal communication skills to improve interaction among agency employees and between employees and the public.
- CRJU 1200 INTRODUCTION TO LAW ENFORCEMENT** 3-0-3  
Prerequisite: CRJU 1010  
History, philosophy, and basic objectives of the police system in the U.S. and Georgia. Emphasizes applications of the law for law enforcement officers.
- CRJU 2010 UNIVERSAL JUSTICE** 2-0-2  
Prerequisite: ENGL 1101  
Critical juxtaposition of the justice ideal in actual practice in the U.S. and other countries. Development of universal justice construct rooted in the Rule of Law and applicable to terrorism, piracy, international criminal conspiracy, immigration, sanctuary, asylum, amnesty, and war crimes.
- CRJU 2100 CRIMINOLOGY** 3-0-3  
Prerequisite: Eligibility for ENGL 1111  
Nature and extent of crime in the U.S. Evaluation of factors leading to criminal behavior and measures proposed to control it.

- CRJU 2200 CRIMINAL INVESTIGATION** 3-0-3  
 Prerequisite: Eligibility for ENGL 1111  
 Investigative methodology focusing on techniques employed in criminal investigation, including crime scene searches, use of informants and surveillance. Presentation of police cases in court.
- CRJU 2500 CRIMINAL EVIDENCE & PROCEDURE** 4-0-4  
 Prerequisite: CRJU 1010  
 Historical and contemporary overview of rules governing criminal procedure and rules of evidence as they affect the accused, the convicted, the functions of law enforcement, and the conduct of criminal prosecutions. Constitutional rights of the accused and the conflict of those rights with maintenance of public order and enforcement of criminal law.
- CRJU 2510 INTRODUCTION TO CRIMINAL LAW** 2-0-2  
 Prerequisite: CRJU 1010  
 Origin and evolution of legal norms used by government to control deviant behavior, and their distinct form and overlap with moral and social norms. Emphasis on the role of criminal law in a system of ordered liberty.
- CRJU 2700 DIRECTED READINGS IN CRIMINAL JUSTICE** 1-0-1  
 Prerequisite: CRJU 1010  
 Independent study and research, directed by a faculty member, on an approved topic.
- CRJU 3100 RESEARCH METHODS** 3-0-3  
 Prerequisite: ENGL 1101, ENGL 1102, MATH 2200  
 Methods and techniques of research in the behavioral sciences. Emphasis on evaluating research.
- CRJU 3110 CRITICAL THEORY OF CRIMINAL JUSTICE** 2-0-2  
 Prerequisite: CRJU 2100  
 Critiques of American criminal justice theory and practice from alternative viewpoints.
- CRJU 3120 ILLEGAL IMMIGRATION** 2-0-2  
 Prerequisite: CRJU 1010, HIST 1100 or POLS 1100  
 Political and legal aspects of immigration in a nation of immigrants. Emphasis on operational and bureaucratic impediments of enforcement of immigration laws.
- CRJU 3130 HATE CRIMES & ORDERED LIBERTY** 2-0-2  
 Prerequisite: CRJU 1010, HIST 1100 or POLS 1100  
 Racial, ethnic, cultural, and religious strife and the tension between freedom and equality in democratic societies. Focus on the governmental definition of hate crimes and the historical, economic, and political roots of such crimes.
- CRJU 3140 POLITICAL CRIMES** 2-0-2  
 Prerequisite: CRJU 1010, HIST 1100 or POLS 1100  
 Crimes committed by the governments and officers of liberal states, posited in the context of the rule law. Emphasis on illegal activities in American government at all levels.
- CRJU 3150 ORGANIZED CRIME** 2-0-2  
 Prerequisite: CRJU 1010  
 Examination of phenomenon of racketeering in society from a variety of perspectives, using historical, theoretical, and comparative materials. Analysis of the nature of the activities of organized criminals, the relationship between these criminals and the public, the structure of racketeering groups and enterprises, and the strategies and success of legal control on organized crime. Special attention paid to the ways in which these crimes can be differentiated from "common" street crimes.

- CRJU 3160 WHITE-COLLAR CRIME** 3-0-3  
 Prerequisite: CRJU 1010  
 Nature, scope, and impact of white collar and corporate crime on the individual and American society.
- CRJU 3200 CRIMINALISTICS** 3-0-3  
 Prerequisite: 6 sem hrs of science  
 Problems and techniques of scientific criminal investigation. The role of science and technology in modern law enforcement.
- CRJU 3210 LAW ENFORCEMENT: STRUCTURE AND PROCESS** 3-0-3  
 Prerequisite: CRJU 1010  
 Philosophical, cultural, and historical background of policing, focusing on the role of police in contemporary society, quasi-military organization, and community relations.
- CRJU 3220 INDUSTRIAL, COMMERCIAL & PRIVATE SECURITY** 3-0-3  
 Prerequisite: CRJU 1010  
 History, development, and analysis of privately employed police and security in the U.S. Topics include an analysis of public vs. private agencies, types (contract and proprietary), and components (physical, information and personnel) of private security. Special emphasis on the functions, strengths, and problems encountered by privatized agencies.
- CRJU 3310 YOUTH, GANGS & DRUGS** 2-0-2  
 Prerequisite: CRJU 5300U  
 Relationship among illicit drugs, gang affiliation, and juvenile delinquency with emphasis on the drug/crime nexus. Topics include consideration of both the relationship between adolescent involvement with drugs/alcohol and affiliation with a negative peer group and the impact of these behaviors on progressive delinquency. Policies and programs for prevention and control of these destructive behaviors.
- CRJU 3400 CORRECTIONS** 3-0-3  
 Prerequisite: CRJU 1010  
 Analysis and evaluation of both historical and contemporary correctional systems. Development, organization operation, and results of the different correctional systems in the U.S.
- CRJU 3410 COMMUNITY-BASED TREATMENT** 3-0-3  
 Prerequisite: CRJU 3400  
 Review of community-based treatment programs, emphasizing functions of halfway houses and use of volunteers in corrections.
- CRJU 3600 TOPICS IN CRIMINAL JUSTICE** 1-0-1  
 Prerequisite: Permission of Instructor and/or Department  
 Substantive topics, problems and issues not covered in other courses but of importance to contemporary study of criminal justice. Topics to be announced before each offering; course may be repeated if topic is substantially different.
- CRJU 4100 CRIMINALITY AND ABNORMAL BEHAVIOR** 3-0-3  
 Prerequisite: CRJU 1010  
 Interface between abnormal behavior and criminality regarding identification, classification, and treatment of criminals. Emphasis on behavioral patterns and motivations of repeat offenders such as child molesters and serial killers.

- CRJU 4110 INTERNATIONAL CRIMINAL CONSPIRACIES** 2-0-2  
 Prerequisite: CRJU 1010  
 Organized crime transcending international boundaries, to include drug trafficking and corporate crime. Emphasis on origins and evolution of national/ethnic organizations such as the Sicilian and Russian syndicates.
- CRJU 4120 SEMINAR ON THE JUSTICE IDEAL** 2-0-2  
 Prerequisite: CRJU 1010, HIST 1100 or POLS 1100  
 Inquiry into the philosophical concept of justice in Western civilization and the means employed to achieve it in the United States and Europe. Emphasis on both normative and descriptive dimensions of justice and the rule of law in a system of ordered liberty.
- CRJU 4400 SEMINAR IN CORRECTIONS MANAGEMENT** 3-0-3  
 Prerequisite: CRJU 3400  
 Basic principles and practices of administration and their application to adult and juvenile corrections. Special emphasis upon organizational structure, planning, decision making, management strategies, and personnel management.
- CRJU 4500 ADVANCED LAW OF EVIDENCE** 3-0-3  
 Prerequisite: CRJU 2500, CRJU 5500U  
 Epistemological assumptions and policy purposes of evidentiary rules, doctrines and concepts.
- CRJU 4510 ADVANCED CRIMINAL LAW** 3-0-3  
 Prerequisite: CRJU 2510, CRJU 5500U  
 Criminal law as social control within ordered liberty. Emphasizes economic and moral components of undergirding public policy.
- CRJU 4800 INTERNSHIP I** V-V-6  
 Prerequisite: Permission of Instructor and/or Department  
 Open to Juniors or above. Application of academic knowledge in criminal justice setting. Joint supervision by faculty internship coordinator and agency officials. Open to transient students only with permission of the Department Head.
- CRJU 4810 INTERNSHIP II** V-V-6  
 Prerequisite or Corequisite: CRJU 4800  
 Application of academic knowledge in criminal justice setting. Joint supervision by faculty internship coordinator and agency officials. Open to transient students only with permission of the Department Head.
- CRJU 4900 DIRECTED RESEARCH IN CRIMINAL JUSTICE** 3-0-3  
 Prerequisite: CRJU 3100  
 Open to Seniors. Conduct a major research project with presentation of the results orally and in a paper conforming to departmental guidelines.
- CRJU 4910 SEMINAR IN CRIMINAL JUSTICE** 3-0-3  
 Prerequisite: CRJU 3100  
 Open to Seniors. Conduct of research and presentation of results orally and in a paper conforming to departmental guidelines.
- CRJU 5130U POLITICAL TERRORISM** 3-0-3  
 Prerequisite: HIST 1100 or POLS 1100, CRJU 1010  
 International and domestic terrorism undertaken for political purposes in liberal states. Primary focus on state-sponsored international terrorism, American domestic revolutionary terrorism, and the dilemmas of counterterrorism in a democracy.

**CRJU 5200U ALCOHOL, DRUGS & CRIMINAL JUSTICE** 3-0-3

Prerequisite: CRJU 1010

Exploration of the pharmacological effects and medical uses of drugs and alcohol; the relationships between drugs and crime, the criminal justice system, and government's crime control policy.

**CRJU 5300U JUVENILE DELINQUENCY** 3-0-3

Prerequisite: CRJU 1010

Theories of juvenile delinquency, emphasizing sociological, biological, and psychological factors. Modern trends in prevention and treatment.

**CRJU 5500U LAW & LEGAL PROCESS** 3-0-3

Prerequisite: HIST 1100 or POLS 1100, CRJU 1010 or POLS 1010

Law as a dynamic societal institution. Sources and functions of both civil and criminal law and operation of the legal process viewed from the perspectives of jurisprudence, political science, and sociology.

**CRJU 5520U COMPARATIVE JUDICIAL SYSTEMS** 3-0-3

Prerequisite: CRJU 3210, CRJU 5500U, POLS 5500U, POLS 4150

Law enforcement and judicial procedure in political systems of Great Britain, France, Russia, and Japan.

**(CSCI) – Computer Science****CSCI 1050 INTRODUCTION TO COMPUTER CONCEPTS AND APPLICATIONS** 2-3-3

Prerequisite: MATH 1111

Study of hardware and software components of computers, and the impact of the computer on society. Discussion of the capabilities and the limitations of computers, and the kinds of problems that are best solved by computers. Experience with using personal computer productivity tools to solve representative problems. Emphasis on the major uses of computers. Not designed for the computer science major. Credit granted for only one of CSCI 1050, 1060 and 2060.

**CSCI 1060 COMPUTER CONCEPTS AND APPLICATIONS FOR SCIENCE STUDENTS** 2-3-3

Corequisite: MATH 1113

Introduction to computing and algorithmic development including data structures (not computer programming). Laboratory emphasis on using personal computer productivity tools and campus computing resources. Includes operating systems and application of standard tools to solve representative problems from science and engineering. Credit granted for only one of CSCI 1050, 1060, and 2060.

**CSCI 1301 INTRODUCTION TO PROGRAMMING PRINCIPLES** 3-3-4

Prerequisite: MATH 1113

Structured programming; control structures; input/output, functions and procedures, fundamental data types, arrays and records; elementary searching and sorting; debugging techniques.

**CSCI 1302 ADVANCED PROGRAMMING PRINCIPLES** 3-0-3

Prerequisite: MATH 1113, CSCI 1301

Advanced programming concepts; introduction to algorithmic analysis; abstract data types; recursion, binary files, pointers, lists, queues, stacks and trees; sorting methods of order  $n \log n$ .

- CSCI 1330 RPG PROGRAMMING** 1-0-1  
Prerequisite: CSCI 1301  
Introduction to RPG including programming applications for small computer systems.
- CSCI 1360 FORTRAN PROGRAMMING** 1-0-1  
Prerequisite: CSCI 1301  
Algorithmic processes of computer problem solving in a scientific context; FORTRAN programming language; syntax, arrays, input-output, subroutines, functions.
- CSCI 1370 PROGRAMMING PRINCIPLES WITH COBOL** 1-0-1  
Prerequisite: CSCI 1301  
The COBOL programming language: basic syntax, input-output, debugging, table handling, sorting, searching, sequential and random file manipulation, structured programming.
- CSCI 2060 COMPUTER LITERACY FOR EDUCATORS** 2-0-2  
Prerequisite: MATH 1111  
Hardware and software components of computers, elementary programming and the impact of computers on curriculum. Discussion of the capabilities and limitations of computers, and the kinds of problems that are best solved by computers. Experience with developing and modifying algorithms to solve such problems. Emphasis on instructional uses of microcomputers. Not designed for the computer science major may not be applied as part of a language sequence. Credit granted for only one of CSCI 1050, 1060, and 2060.
- CSCI 2070 ETHICAL CONSIDERATIONS IN COMPUTER SCIENCE** 1-0-1  
Study of ethical considerations for computer professionals and users including issues of privacy, security, and intellectual rights.
- CSCI 2252 COMPUTATIONAL METHODS IN STATISTICS** 3-0-3  
Prerequisite: MATH 2200 and either CSCI 1050 or CSCI 1301  
Statistical programming with Minitab and SAS software, including data analyses involving ANOVA, multiple regression and nonparametric statistics.
- CSCI 2390 PROGRAMMING IN C++** 1-0-1  
Prerequisite: CSCI 1302  
Syntax of C++; input/output, control structures, data types, compilation units. Introduction to classes, including use and simple class implementation.
- CSCI 2620 DISCRETE STRUCTURES FOR COMPUTER SCIENCE** 4-0-4  
Prerequisite: MATH 1113, CSCI 1301  
Introduction to propositional and predicate logic; naive set theory; relations and functions; graphs; finite automata; Turing machines; formal languages and grammars.
- CSCI 2990 TOPICS IN COMPUTER SCIENCE** V-V-(1-3)  
Prerequisite: Announced with the Topic  
Special topics at freshman and sophomore level of current interest in computer science.
- CSCI 3201 COMPUTER ORGANIZATION AND ARCHITECTURE I** 3-0-3  
Prerequisite: CSCI 1302  
Hardware and software concepts of digital computing systems, with emphasis on fundamental system software and details of hardware operation. Virtual machines, systems organization, digital logic, microprogramming, instruction on data formats, addressing modes, instruction types, flow of control, virtual memory, assembly language programming and advanced computer architectures, including RISC machines and parallel architectures.

- CSCI 3202 COMPUTER ORGANIZATION AND ARCHITECTURE II** 3-0-3  
Prerequisite: CSCI 3201  
Continuation of CSCI 3201.
- CSCI 3321 SOFTWARE ENGINEERING CONCEPTS** 3-0-3  
Prerequisite: CSCI 3450, ENGL 3720  
Principles and techniques of designing and implementing software systems, including system life-cycle models, planning techniques, requirements analysis and systems specifications, human interfaces, design, implementation, testing, maintenance, team structure and project management. A student project encompassing some or all of these techniques with oral and written presentation.
- CSCI 3330 COMPARATIVE LANGUAGES** 3-0-3  
Prerequisite: CSCI 2390, CSCI 2620  
Corequisite: CSCI 3202  
Comparative study of programming languages including facilities for procedures, parameter passing and recursion, control structures, and storage allocation techniques. Methods of specifying syntax and semantics. Introduction to program translation.
- CSCI 3341 OPERATING SYSTEMS I** 3-0-3  
Prerequisite: CSCI 3202  
Concepts, structure, and mechanisms of operating systems. Topics include: processes, concurrency, memory management, scheduling, I/O management, disk scheduling, file management and basic aspects of protection and security and distributed systems.
- CSCI 3410 ALGORITHMS & DATA STRUCTURES** 3-0-3  
Prerequisite: CSCI 2390, CSCI 3450, CSCI 2620  
Abstract data types; algorithms for the manipulation of data structures; analysis of algorithms; concepts related to the interaction between data structures and storage structures for the generating, developing, and processing of data, algorithms for memory management.
- CSCI 3450 INTRODUCTION TO FILE STRUCTURES** 3-0-3  
Prerequisite: CSCI 1302  
Introduction to the concepts and techniques of accessing data in files on secondary devices including sequential, relative and indexed access methods and tree-structured organizations, introductory and relational database system concepts, and external sorting.
- CSCI 3961/3972/2983 INTERNSHIP IN COMPUTER SCIENCE** V-V-(1-3)  
Prerequisite: Permission of Instructor and/or Department Experience, in a variety of computing environments suited to the educational and professional aspirations of the student, under the direction of a member of the faculty and appropriate off-campus supervisory personnel.
- CSCI 3990 PROGRAMMING SEMINAR** 0-2-1  
Prerequisite: CSCI 1302  
Development of problem solving techniques in a team environment. (Designed for but not restricted to, programming contests.)
- CSCI 4210 INTRODUCTION TO PARALLEL COMPUTING** 3-0-3  
Prerequisite: CSCI 3201  
Introduction to parallel computing through study of hardware and software. Architecture, algorithms, programming languages and environments, operating systems, interconnection networks, and performance characteristics of parallel systems. Programming required.

- CSCI 4220 DATA COMMUNICATIONS & COMPUTER NETWORKS** 3-0-3  
Prerequisite: CSCI 3202  
Communications media; codes; data transmission; multiplexing; protocols; layered networks.
- CSCI 4322 SOFTWARE ENGINEERING CONCEPTS II** 3-0-3  
Prerequisite: CSCI 3321  
Advanced software engineering principles, including software processes and methodologies, CASE tools, software metrics, software quality assurance, reusability and reengineering, and future trends. A major project encompassing some or all of these concepts.
- CSCI 4342 OPERATING SYSTEMS CONCEPTS II** 3-0-3  
Prerequisite: CSCI 3341  
Case studies of UNIX (tm) and /or similar operating systems. Elementary knowledge of C/C++ required.
- CSCI 4343 SYSTEMS PROGRAMMING UNDER UNIX (tm)** 2-0-2  
Prerequisite: CSCI 2390, CSCI 3341  
UNIX (tm) system programming techniques in 'C'. I/O forking, pipes, signals, interrupts software tools, macros, conditional compilation, passing values to the compiler, lint, symbolic debugging, source code control, libraries.
- CSCI 4350 COMPILER THEORY** 3-0-3  
Prerequisite: CSCI 3330, CSCI 3410  
Programming language translation and basic compiler implementation techniques, formal grammars and languages; specification of syntax and semantics; lexical analysis; parsing; semantic processing. A major project encompassing some or all of these concepts.
- CSCI 4390 SENIOR PROJECT** 0-3-3  
Prerequisite: Permission of Instructor and /or Department, CSCI 3321  
Development of requirement definitions, architectural design specification, detailed design specification, testing plan, documentation, and implementation for the software and /or hardware components of a comprehensive project. Oral and written presentation of project required.
- CSCI 4610 NUMERICAL ANALYSIS** 3-0-3  
Prerequisite: MATH 2072, CSCI 1301  
Introductory numerical analysis and scientific computation. Computer arithmetic, numerical error, polynomial interpolation, systems of linear equations, iterative methods for nonlinear equations, least squares approximation, numerical and integration.
- CSCI 4720 DATABASE SYSTEMS** 3-0-3  
Prerequisite: CSCI 3321  
Database management system concepts and architecture; the relational, hierarchical, network, entity-relationship, and other models; design concepts; internal implementation techniques.
- CSCI 4820 INTRODUCTION TO ARTIFICIAL INTELLIGENCE** 4-3-3  
Prerequisite: CSCI 3330  
Basic concepts of artificial intelligence including production systems, knowledge representation, pattern matching, heuristic search, logical and probabilistic reasoning, and expert systems. The social, cultural and economic impact of artificial intelligence.



**CSCI 4830 COMPUTER GRAPHICS 3-0-3**

Prerequisite: CSCI 3410

Introduction to computer graphics; hardware and software. Algorithms for computer graphics programming. Windows, clipping, two and three dimensional transformations, hidden line and hidden surface removal. Graphics standards for hardware and software systems. A major project encompassing some or all of these concepts.

**CSCI 4880 INTRODUCTION TO KNOWLEDGE-BASED SYSTEMS 3-0-3**

Prerequisite: CSCI 4820

Overview of knowledge-based systems. Knowledge representation: frames, objects, logic, Reasoning: rule-based, uncertainty, inexact. Architecture: production, blackboard. A major project encompassing some or all of these concepts.

**CSCI 4990 SPECIAL TOPICS IN COMPUTER SCIENCE V-V-(1-3)**

Prerequisite: Announced with the Topic

Selected topics in some area of current interest in computer science. Possible areas include system simulation, graphics and microcomputers.

**CSCI 5010U COMPUTER LITERACY FOR EDUCATORS 3-0-3**

Prerequisite: MATH 1111

Study of computers with emphasis on instructional use. Hands-on experience with the use of widely used commercial packages. (This course may not be counted toward the M. Ed. in mathematics.)

**CSCI 5990U TOPICS IN COMPUTER SCIENCE V-V-(1-3)**

Prerequisite: Announced with the Topic

Selected topics in some area of current interest in computer science.

**(DHED) – Dental Hygiene Education****DHED 3300 DENTAL HYGIENE RESEARCH 3-0-3**

Open to majors in Dental Hygiene Education. Research and the scientific method with application to the field of dental hygiene.

**DHED 3310 DENTAL MANAGEMENT OF MEDICALLY COMPROMISED PATIENT 3-0-3**

Open to majors in Dental Hygiene Education. Important factors in the dental management of medically compromised patients.

**DHED 4400 FOUNDATIONS OF DENTAL HYGIENE EDUCATION 2-3-3**

Open to majors in Dental Hygiene Education. An introduction to the foundations of dental hygiene education including educational process, licensure, and application of information systems. All 1100 level dental hygiene courses must have been completed.

**DHED 4401 EDUCATIONAL METHODS IN DENTAL HYGIENE EDUCATION I 2-3-3**

Prerequisite or Corequisite: DHED 4400

Teaching methods, program objectives, and establishment and organization of content including methods of evaluation, various testing strategies, and supervision in the dental hygiene clinic.

**DHED 4402 EDUCATIONAL METHODS IN DENTAL HYGIENE EDUCATION II 2-3-3**

Prerequisite: DHED 3300, DHED 4400, DHED 4401

Learning styles and activities, teaching procedures, and the presentation of dental hygiene education materials.

**DHED 4403 DIRECTED & INDIVIDUAL STUDY** V-V-3  
 Prerequisite: DHED 3300, DHED 4400, DHED 4401  
 Directed individual study in an area of major interest of research with emphasis relevant to dental hygiene research and future career objectives.

**DHED 4410 ADVANCED PERIODONTICS** 2-3-3  
 Open to majors in Dental Hygiene Education. Advanced knowledge of and current trends in periodontics including a clinical component.

**DHED 4490H HONORS ADVANCED PERIODONTICS** 2-3-3  
 Open to majors in Dental Hygiene Education. Advanced knowledge of complex clinical skills and responsibilities and current trends in periodontics. Must have minimum 3.2 GPA in major field of study, selection by program and approval by the affiliate.

### **(DHYG) – Dental Hygiene**

**DHYG 1100 HEAD AND NECK ANATOMY** 2-0-2  
 Open to majors in Dental Hygiene. Gross anatomical relationships in the head and neck with emphasis on anatomy of the oral cavity and its clinical application.

**DHYG 1101 CLINICAL DENTAL HYGIENE I** 2-6-4  
 Open to majors in Dental Hygiene. Introduction to the dental hygiene profession including clinical procedures on mannequin and student partners.

**DHYG 1102 CLINICAL DENTAL HYGIENE II** 2-9-5  
 Prerequisite: DHYG 1100, DHYG 1101, DHYG 1110  
 Application and integration of oral prophylactic techniques.

**DHYG 1110 DENTAL ANATOMY** 2-0-2  
 Open to majors in Dental Hygiene. Nomenclature, morphology, and eruption sequence of the primary and secondary dentitions.

**DHYG 1120 DENTAL ROENTGENOLOGY** 2-3-3  
 Prerequisite: DHYG 1100, DHYG 1101, DHYG 1110  
 Fundamentals of dental radiology using intraoral and extra-oral techniques for the taking and processing of radiographs.

**DHYG 1130 GENERAL & ORAL PATHOLOGY AND ORAL HISTOLOGY** 2-0-2  
 Open to majors in Dental Hygiene. Principles of general and oral pathology in relation to common oral diseases. Histology and embryology of the oral cavity.

**DHYG 1140 PERIODONTICS** 2-0-2  
 Open to majors in Dental Hygiene. Basic principles of periodontal health and disease in relation to the total health of the patient including concepts of etiology and periodontal pathology.

**DHYG 2201 CLINICAL DENTAL HYGIENE III** 2-12-6  
 Prerequisite: All 1000 level DHYG courses, CHEM 2010, BIOL 2081, BIOL 2082, BIOL 2210

Continuation of preceding clinical courses with emphasis on students' advancement and improved proficiency in clinical skills and integration of didactic knowledge into the clinical arena.

**DHYG 2202 CLINICAL DENTAL HYGIENE IV & ETHICAL DECISIONS** 2-15-7  
 Prerequisite: DHYG 2201

Continuation of preceding clinical courses with emphasis on students' advancement and improved proficiency in clinical skills and integration of didactic knowledge into the clinical arena. Jurisprudence and ethical decisions.

- DHYG 2210 PHARMACOLOGY, EMERGENCY MANAGEMENT & ANESTHESIOLOGY** 2-0-2  
Open to majors in Dental Hygiene. Drugs and anesthetics with emphasis on those used in dentistry. Emergency management of clinical situations.
- DHYG 2220 DENTAL MATERIALS** 1-3-2  
Prerequisite: DHYG 1101, DHYG 1102  
Chemical, physical, and mechanical properties of dental materials and application during the clinical experience.
- DHYG 2230 APPLIED NUTRITION** 2-0-2  
Open to majors in Dental Hygiene. Nutrition and nutrition education as applied to the practice of dental hygiene.
- DHYG 2240 PREVENTIVE PERIODONTICS** 1-0-1  
Prerequisite: DHYG 1102, DHYG 1140  
Prevention of periodontal diseases, treatment planning, and case presentations.
- DHYG 2250 DENTAL PUBLIC HEALTH** 2-3-3  
Prerequisite: DHYG 2201  
Aspects of public health and needs of the community. Application of modern methods of dental health education. Field experiences.
- DHYG 2290 INDEPENDENT STUDY FOR RE-ENTRY INTO PROFESSIONAL DENTAL HYGIENE** V-V-(1-6)  
Prerequisite: Permission of Instructor and/or Department  
Didactic and clinical component for updating knowledge of and skills in current dental hygiene practice.

### **(ECON) – Economics**

- ECON 1150 GLOBAL ECONOMIC PROBLEMS** 3-0-3  
Impact of international trade, international finance, and foreign direct investment on various parts of the world with emphasis on current world economic problems.
- ECON 2030 PRINCIPLES OF ACCOUNTING I** 3-0-3  
Prerequisite: Eligibility for MATH 1111  
Fundamental principles and practices of accounting; the construction and interpretation of balance sheets and profit and loss statements; the theory of debits and credits and their application to the accounting process.
- ECON 2040 PRINCIPLES OF ACCOUNTING II** 3-0-3  
Prerequisite: ECON 2030  
The application of accounting principles to specialized problems found in proprietorships, partnerships and corporations, with emphasis on cost accounting theory, modern methods of data processing, and the sources and applications of funds.
- ECON 2105 PRINCIPLES OF MACROECONOMICS** 3-0-3  
Prerequisite: Eligibility for ENGL 1111, Eligibility for MATH 1111  
Intended to introduce students to concepts that will enable them to understand and analyze economic aggregates and evaluate economic policies.
- ECON 2106 PRINCIPLE OF MICROECONOMICS** 3-0-3  
Prerequisite: Eligibility for ENGL 1111, Eligibility for MATH 1111  
Intended to introduce students to concepts that will enable them to understand and analyze structure and performance of the market economy.

- ECON 3050 INTERMEDIATE MACROECONOMICS** 3-0-3  
Prerequisite: ECON 2105  
Analysis of theories of national income determination and the factors affecting employment and price level as presented.
- ECON 3060 INTERMEDIATE MICROECONOMICS** 3-0-3  
Prerequisite: ECON 2106  
Theory of pricing, distribution, and/or allocation of resources in a market economy including production and cost theory.
- ECON 3100 MULTINATIONAL ECONOMIC ENTERPRISES** 3-0-3  
Prerequisite: ECON 2105  
Evolution of multinational economic enterprises and their effect on jobs and exports/imports in the U.S. and on the economics of less developed countries.
- ECON 3200 INTERNATIONAL TRADE** 3-0-3  
Prerequisite: ECON 2106  
Economic importance and problems of international trade including theories of international trade, the gains from trade, tariffs and non-tariff barrier to trade, U.S. commercial policy, economic integration, and trade policies of developing countries.
- ECON 3300 MONEY & BANKING** 3-0-3  
Prerequisite: ECON 2105  
Governmental and corporate finance with emphasis on fiscal and monetary policy, open market operations, discount policy, and the functions and problems associated with central banking.
- ECON 3400 ECONOMICS OF LABOR** 3-0-3  
Prerequisite: ECON 2106  
Survey of labor economics and labor relations including organization and operation of American trade unionism, collective bargaining, economics of the labor market, wage theory, and economic distribution.
- ECON 3500 MANAGERIAL ECONOMICS** 3-0-3  
Prerequisite: ECON 2106  
Examination of economic theories used to aid in decision making in the private sector including demand and elasticity, production and cost theory, pricing policies, linear programming, and capital budgeting.
- ECON 3600 MATHEMATICAL ECONOMICS** 3-0-3  
Prerequisite: MATH 1950, MATH 1161, ECON 2105, ECON 2106  
Examination of selected topics in economic theory using mathematics including development of portions of consumer and producer theory and static and dynamic models from macro theory and international finance.
- ECON 3630 ECONOMIC HISTORY OF THE U.S.** 3-0-3  
Prerequisite: ECON 2105  
Growth and development of economic institutions in the United States from the colonial period to the present with emphasis on the period since 1860. Developments in agriculture, industry, labor, transportation, and finance. (Identical to HIST 3630).
- ECON 3700 ECONOMETRICS** 3-0-3  
Prerequisite: ECON 2105, ECON 2106, MATH 2200  
Applied econometrics including parameter estimation, inference, hypothesis testing, and problems of designing econometric models.

- ECON 4010/4020/4030 SPECIAL TOPICS IN ECONOMICS** 3-0-3  
 Prerequisite: ECON 2105  
 Upper-level courses not otherwise offered in the economics curriculum. Various substantive topics, theoretical issues and problems with possibility to repeat with different topics. No more than two such courses counted in the minor.
- ECON 4210 INTERNATIONAL LAW OF EXPROPRIATION AND COMPENSATION** 3-0-3  
 Prerequisite: HIST 1100 or POLS 1100  
 Corequisite: POLS 3260  
 Examination of the traditional Western view of the right of governments to expropriate foreign-owned property compared to the view of many third-world and Marxist governments expropriating property owned by U.S. citizens and corporations. Focus on arbitration and adjudication processes, as well as the role of the executive and legislative branches.
- ECON 4310 INTERNATIONAL FINANCIAL INSTITUTIONS** 3-0-3  
 Prerequisite: ECON 2105  
 International monetary relations, different exchange rate systems, the balance of payments disequilibrium, and a survey of major international financial institutions, including IMF and the World Bank.
- ECON 4400 SEMINAR IN THIRD WORLD ECONOMIC DEVELOPMENT** 3-0-3  
 Prerequisite: ECON 2105  
 Developing areas and their prospects for economic betterment and different theories of underdevelopment including import substitutions and export-led growth. Focus on problems facing the third world at the present time.
- ECON 4410 REGIONAL ECONOMICS** 3-0-3  
 Prerequisite: Permission of Instructor and/or Department, ECON 3200  
 The economic structure, growth of regions, city locations, industrial locations, the short-run impact of industrial change upon employment, and long-run per capita income between regions.
- ECON 4450 COMPARATIVE ECONOMIC SYSTEMS** 3-0-3  
 Prerequisite: ECON 2105  
 Basic tenets of the major economic systems developed in the 19th and 20th centuries and the role of government and politics along with the contributions to economic and political thought of such men as Adam Smith, Karl Marx, John Maynard Keynes, and Milton Friedman.
- ECON 4500 PUBLIC FINANCE** 3-0-3  
 Prerequisite: ECON 2105  
 Application of economic principles to the study of the role of government. Emphasis on the reasons for and the effects of government intervention in the economy including market failure, public goods and externalities, public choice, and political equilibrium. Focus on taxation, public debt and cost benefit analysis, and some selected areas of public policy such as welfare, defense, and health care.
- ECON 4520/4530/4540 INTERNSHIP** 3-0-3  
 Prerequisite: Permission of Instructor and/or Department  
 Open to Juniors or above. Applied economic setting using nonprofit agencies such as the Chamber of Commerce, as well as financial institutions and international businesses. Supervision by departmental instructors and agency officials. Open to transient students only with permission of Department Head.

**(ECUG) – Early Childhood Education**

- ECUG 2020 ENVIRONMENTAL, SOCIAL AND HEALTH ISSUES OF THE YOUNG CHILD** 3-2-3  
Health and safety issues in early childhood emphasizing factors impacting the physical, social and emotional health including disease and trauma.
- ECUG 3040 CHILDHOOD & ADOLESCENCE** 3-0-3  
Prerequisite: Orientation/Tchg Module Compl  
Comprehensive overview of developmental process from prenatal through adolescence.
- ECUG 3050 CURRICULUM AND METHODS P-5** 3-4-3  
Prerequisite: Orientation/Tchg Module Compl  
Prerequisite or Corequisite: ECUG 3040  
Development of curricula and selection of instructional strategies and materials appropriate for P-5 level.
- ECUG 3060 LANGUAGE AND COGNITION** 3-2-3  
Prerequisite: Admission to Teacher Education  
Normal development of language with emphasis on oral language and the relationships between cognition, speech and language.
- ECUG 3071 LITERATURE AND LITERACY** 4-3-4  
Prerequisite: Admission to Teacher Education  
Emergence of reading/writing processes during preschool, kindergarten, and early first grade years and the methods of presenting and integrating literature in the curriculum.
- ECUG 3090 CREATIVE ACTIVITIES** 3-3-3  
Prerequisite: Admission to Teacher Education  
The role of music, art, drama in the lives of young children. Organizing, designing and analyzing creative activities and classroom environments with emphasis on integration into curriculum.
- ECUG 3100 CONTEMPORARY SOCIAL ISSUES OF THE FAMILY** 3-2-3  
Prerequisite: Admission to Teacher Education  
The institution of family in its cultural context as a living dynamic system with attention to social context of parenting and parents as advocate for children.
- ECUG 3110 PRE-KINDERGARTEN PRACTICUM** 3-6-3  
Prerequisite: Admission to Teacher Education  
Appropriate methods for diagnosing and evaluating the young child using an integrated approach to curriculum planning and scheduling.
- ECUG 3120 MOVEMENT AND HEALTH OF THE YOUNG CHILD** 3-3-3  
Prerequisite: Admission to Teacher Education  
Analysis of theories and factors influencing motor development of children and the learning of gross and fine motor skills.
- ECUG 4070 SOCIAL STUDIES** 3-2-3  
Prerequisite: Admission to Teacher Education  
Selected themes, problems, concepts, and organization of instruction for social studies skills and processes needed by young children.
- ECUG 4080 LIFE AND PHYSICAL SCIENCE** 4-2-4  
Prerequisite: Admission to Teacher Education  
Content and skills to plan and implement a discovery science program for young child including strategies, evaluation, technology, materials and current practices.

- ECUG 4090 CLASSROOM MANAGEMENT** 3-8-4  
 Prerequisite: Admission to Teacher Education  
 Research knowledge base to create a well managed classroom and guide the behavior of young children including field based placement.
- ECUG 4100 STUDENT TEACHING AND SEMINAR I** 2-V-6  
 Prerequisite: Admission to Teacher Education  
 Corequisite: ECUG 4110  
 Opportunities to use the knowledge and skills in a supervised P-2 public school setting.
- ECUG 4110 STUDENT TEACHING & SEMINAR II** 2-V-6  
 Prerequisite: Admission to Teacher Education  
 Corequisite: ECUG 4100  
 Opportunities to use the knowledge and skills in a supervised 3-5 public school setting.
- ECUG 4240 PRACTICUM IN INDIVIDUAL READING INSTRUCTION** 3-8-3  
 Prerequisite: Admission to Teacher Education, ECUG 3071, CEUG 3072  
 Directed practice in the teaching of reading with emphasis on diagnosis and teaching of needed reading skills.
- ECUG 4300 DIAGNOSING AND PRESCRIBING FOR LEARNING PROBLEMS** 3-3-3  
 Prerequisite: ECUG 3071  
 Diagnostic and prescriptive principles underlying assessment and correction of learning problems.
- ECUG 4811 INTERNSHIP I** 0-V-6  
 Prerequisite: Permission of Director of Professional Laboratory Experiences  
 Supervision for one semester by college staff for students who hold teaching positions in school and/or clinical settings.
- ECUG 4812 INTERNSHIP II** 0-V-6  
 Prerequisite: Permission of Director of Professional Laboratory Experiences, ECUG 4811  
 Supervision for one semester by college staff for students who hold teaching positions in school and/or clinical settings.
- (EEXE) – Education – Exceptional**
- EEXE 3500 CHARACTERISTICS OF BD** 3-0-3  
 Characteristics of the types of emotional and behavior disorders encountered among children and youth are reviewed along with currently accepted theories and systems for their behavioral and educational management.
- EEXE 3510 METHODS FOR TEACHING BD** 3-2-3  
 Prerequisite: EEXE 3500  
 Individualized and group methods of teaching students with behavior disorders are analyzed. An ecological developmental approach to behavioral and educational needs is emphasized.
- EEXE 4100 STUDENT TEACHING P-12** 1-3-3  
 Prerequisite: Completion of all course work in program of study  
 Students are placed in selected schools for one semester. Classroom and staff responsibilities are jointly supervised by the university staff, supervising teachers and principals in the selected schools.

**(ENGL) – English****ENGL 0097 ENGLISH SKILLS****2-1-2**

Guidance and intensive practice in correcting errors with grammar and standard English. Editing for clarity and correctness, with emphasis on the student's own writing. Computer-assisted learning. Open to all students; especially helpful to students taking courses that require writing.

**ENGL 0098 BASIC WRITING SKILLS****3-0-3**

Prerequisite: Placement according to CPE score  
Sequence for reading and writing assignments. Writing process. Practice in correcting errors in grammar and standard English.

**ENGL 0099 BASIC COMPOSITION****3-0-3**

Prerequisite: Placement according to CPE score  
Sequence of reading and writing assignments. Writing process with emphasis on invention and revision. Editing skills for refining and correcting prose. CPE preparation.

**ENGL 0099T THEMATIC APPROACHES TO BASIC COMPOSITION****3-0-3**

Prerequisite: Placement according to CPE score  
Corequisite: READ 0099T  
A thematic approach to teaching basic composition. Focus on sequence of reading and writing assignments. Writing process with emphasis on invention and revision. Editing skills for refining and correcting prose. CPE preparation.

**ENGL 1101 COMPOSITION I****3-0-3**

Prerequisite: Each student must attain at least one of the following prior to enrolling: (a) a score of at least 380 SAT Verbal and 40 or above on the TSWE (Test of Standard Written English) or 20 on the verbal section of the ACT, or (b) a passing score on the placement CPE in English and in Reading, or (c) exit Learning Support English and Learning Support Reading successfully.

A composition course focusing on skills required for effective writing in a variety of contexts, with emphasis on exposition, analysis, and argumentation, and also including introductory use of a variety of research skills.

**ENGL 1102 COMPOSITION II****3-0-3**

Prerequisite: ENGL 1101  
A composition course that develops writing skills beyond the levels of proficiency required by ENGL 1101, that emphasizes interpretation and evaluation, and that incorporates a variety of more advanced research methods.

**ENGL 1102H HONORS COMPOSITION II****3-0-3**

Advanced reading of and writing about literary texts; fulfillment of all ENGL 1102 requirements at a higher level of achievement. Student must have any one of the following: admission to AASU Honors Program; a score of three or above on AP exam; winner of an NCTE writing award; recommendation of English instructor and approval of department head with a minimum final grade of "B" in ENGL1101.

**ENGL 2050 AFRICA AND THE DIASPORA****3-0-3**

Broad interdisciplinary inquiry into creative literature and social criticism as well as other forms of cultural expression of Africa, Caribbean, black U.S. and Europe. Interrogation of such issues as effects of migration and transculturation; dissent from traditional cultural formations in terms of gender; identity formations according to national, traditional, global values.

**ENGL 2100 LITERATURE AND HUMANITIES****3-0-3**

Prerequisite: ENGL 1102, ENGL 1102H  
Examination of literature as an expression of the humanities through study of several complete works from at least two historical periods, two genres, and two cultures/countries. Includes an essay or projects involving documentation.



- ENGL 2100H HONORS LITERATURE & HUMANITIES** 3-0-3  
Prerequisite: Acceptance in Honors Program  
Advanced reading of and writing about literary texts; fulfilment of all Eng 2100 requirements at a higher level of achievement. Recommendation of English instructor and approval of department head based on a minimum final grade of B in ENGL 1102 or ENGL 1102H.
- ENGL 2111 WORLD LITERATURE I** 3-0-3  
Prerequisite: ENGL 2100  
A survey of important works of world literature from ancient times through the mid-seventeenth century.
- ENGL 2112 WORLD LITERATURE II** 3-0-3  
Prerequisite: ENGL 2100  
A survey of important works of world literature from the mid-seventeenth century to the present.
- ENGL 2121 BRITISH LITERATURE I** 3-0-3  
Prerequisite: ENGL 2100  
A survey of important works of British literature from the Old English period through the neo-classical age.
- ENGL 2122 BRITISH LITERATURE II** 3-0-3  
Prerequisite: ENGL 2100  
A survey of important works of British literature from the Romantic era to the present.
- ENGL 2131 AMERICAN LITERATURE I** 3-0-3  
Prerequisite: ENGL 2100  
A survey of American literature from the pre-colonial age to the mid-nineteenth century.
- ENGL 2132 AMERICAN LITERATURE II** 3-0-3  
Prerequisite: ENGL 2100  
A survey of American literature from the mid-nineteenth century to the present.
- ENGL 3010 INTRODUCTION TO LITERARY STUDIES** 3-0-3  
Prerequisite: ENGL 2100  
Vocabulary and approaches of modern literary criticism, reading and interpretation of literary texts, and the tools of literary research and writing.
- ENGL 3020 INTRODUCTION TO COMPOSITION STUDIES** 3-0-3  
Prerequisite: ENGL 2100  
Application of theories to the teaching of composition. Devising assignments, conducting class sessions, writing essays, and responding to academic writing.
- ENGL 3720 BUSINESS AND TECHNICAL COMMUNICATION** 3-0-3  
Prerequisite: ENGL 2100  
Reporting of technical information in descriptions, instructions, memos, reports, and proposals. Emphasizes writing clear, persuasive prose and giving effective oral presentations.
- ENGL 4700 ADVANCED COMPOSITION** 3-0-3  
Prerequisite: ENGL 2100  
An understanding of the complex interaction of form and content when writing prose. Developing an individual voice along with cultural context, audience awareness, and meaning.

- ENGL 4740 CREATIVE WRITING (POETRY)** 3-0-3  
Prerequisite: ENGL 2100  
Workshop format. Critique of poems by other students and professor through written statement and class discussion. Relevant textbook.
- ENGL 4750 CREATIVE WRITING (FICTION)** 3-0-3  
Prerequisite: ENGL 2100  
Workshop format. Critique of stories by other students and professor through written statement and class discussion. Relevant textbook.
- ENGL 4900/4910 INDEPENDENT STUDY** V-V-3  
Prerequisite: Open to Seniors. ENGL 2100, ENGL 2121, ENGL 2122  
To be determined by student and professor. Available to transient students only with approval of the Department Head.
- ENGL 4990 INTERNSHIP** V-0-V  
Prerequisite: Junior status, 2.5 GPA, supervisory staff member, recommendation of the department head.  
Offered by special arrangement. Repeatable up to a maximum of nine credit hours. Off-campus study, work and /or research, jointly supervised by sponsoring institution and staff member. Nine hours credit requires forty hours a week at sponsoring institution, 6 hours credit requires twenty-five hours, 3 hours credit requires fifteen hours.
- ENGL 5000U SPECIAL TOPIC** 3-0-3  
Prerequisite: ENGL 2100, ENGL 2121, ENGL 2122  
Subject announced when course is offered.
- ENGL 5200U POSTCOLONIAL LITERATURE** 3-0-3  
Prerequisite: ENGL 2100  
Introduction to postcolonial literature and critical theory, including works from Africa, India, and the Caribbean. Literary expressions of such topics as social transformation, migration, nationalism, gender difference. Additional recommended prerequisites: ENGL 2121, 2122, 2131, 2132.
- ENGL 5340 WOMEN'S LITERATURE** 3-0-3  
Prerequisite: ENGL 2100  
Exploration of literature written by women within its social, historical and theoretical contexts. Topics such as renaissance and medieval women writers, nineteenth century novels by women, feminist theory and criticism, contemporary poetry by women.
- ENGL 5350U AFRICAN AMERICAN LITERATURE** 3-0-3  
Prerequisite: ENGL 2100  
African-American literature, with emphasis on historical philosophical, and cultural contexts. Topics such as the oral tradition, auto-biographies, the Harlem Renaissance, literary criticism and theory.
- ENGL 5360U AMERICAN NOVEL** 3-0-3  
Prerequisite: ENGL 2100  
American novel as a distinctive literary form.
- ENGL 5370U AMERICAN POETRY** 3-0-3  
Prerequisite: ENGL 2100  
American poetry in the context of technological developments, philosophical movements, and literary currents.
- ENGL 5380U SOUTHERN LITERATURE** 3-0-3  
Prerequisite: ENGL 2100  
Southern literature in its distinctive social and aesthetic contexts.

**ENGL 5400U BRITISH POETRY**

3-0-3

Prerequisite: ENGL 2100

Forms and themes in British poetry with emphasis on questions of British prosody and interpretation. Topics to include the sonnet, the lyric, the dramatic monologue, etc. Time periods to reflect sixteenth through twentieth-century verse.

**ENGL 5410U THE BRITISH NOVEL**

3-0-3

Origins and development of the British novel as a distinctive literary form, examining the aesthetic, philosophical and social concerns that inform selected works from the 18th, 19th and 20th centuries.

**ENGL 5440U EARLY ENGLISH LITERATURE,  
BEGINNINGS THROUGH 1603**

3-0-3

Prerequisite: ENGL 2100

English literature from its beginnings to the 15th century. Writers include The Beowulf poet and other old English authors, early Middle English lyrics and the major figures of the 14th century (the Pearl Poet, Chaucer, Langland, Gower). In alternate years, course will be devoted to Chaucer and his context.

**ENGL 5450U SHAKESPEARE I**

3-0-3

Prerequisite: ENGL 2100

Tragedies, comedies, and history plays drawn from *Taming of the Shrew*, *Merchant of Venice*, *Merry Wives of Windsor*, *Much Ado About Nothing*, *As You Like It*, *Troilus and Cressida*, *Measure for Measure*, *Richard II*, *Henry IV Parts 1 and 2*, *Henry V*, *Titus Andronicus*, *Julius Caesar*, *King Lear*, *Macbeth*, *Antony and Cleopatra*, and *Coriolanus*.

**ENGL 5460U SHAKESPEARE II**

3-0-3

Tragedies, comedies, and history plays drawn from *A Comedy of Errors*, *Love's Labor Lost*, *Romeo and Juliet*, *Midsummer Night's Dream*, *Twelfth Night*, *Hamlet*, *Othello*, *A Winter's Tale*, *The Tempest*, *Pericles*, *Cymbeline*, *All's Well That Ends Well*, *Two Gentlemen of Verona*, *King John*, *Timon of Athens*, *Richard III*, *Henry VI*, and *Henry VII*.

**ENGL 5470U 17TH CENTURY BRITISH POETRY AND PROSE:1603-1689**

3-0-3

Non-dramatic literature from the death of Elizabeth I to the reign of William and Mary, with an emphasis upon the metaphysical and classical traditions. Typical authors include Donne, Jonson, Herbert, Herrick, Crashaw, Vaughan, Marvell, Milton, Bacon, Burton, Brown, Bunyan, and Dryden. In alternate years, course will be devoted to Milton and his context.

**ENGL 5500U 18TH CENTURY BRITISH POETRY  
AND PROSE**

3-0-3

British poetry and prose from 1690 to 1784, with an emphasis on the philosophic and aesthetic concerns of the age. Authors include but are not limited to Swift, Pope, Johnson, and Fielding.

**ENGL 5520U 19TH CENTURY I:  
BRITISH ROMANTIC POETRY AND PROSE**

3-0-3

Examination of the works and contexts of the major British Romantic writers, including Blake, Wordsworth, Coleridge, Byron, Keats, and Shelley.

**ENGL 5530U 19TH CENTURY II:  
BRITISH VICTORIAN POETRY AND PROSE**

3-0-3

Examination of the responses of novelists, poets, and prose writers to the issues of the era, including the conflict between science and religion, faith in "progress" and the growth of industrialism, the rights of the individual and of society, and the role of the artist.

**ENGL 5540U MODERNISM**

3-0-3

Prerequisite: ENGL 2100

British and American fiction and poetry of early twentieth century in context of continental developments; possible authors include Conrad, Proust, Joyce, Woolf, Yeats, Eliot, Faulkner. Additional recommended prerequisites: ENGL 2121, 2122, 2131, 2132.

**ENGL 5550U CONTEMPORARY LITERATURE**

3-0-3

Prerequisite: ENGL 2100

Fiction or poetry (or both) since World War II as it relates to literary traditions and cultural movements; topics possibly including postmodernist fiction, ethnic writers, confessional poetry. Additional recommended prerequisites: ENGL 2121, 2122, 2131, 2132.

**ENGL 5560U BRITISH DRAMA: BEGINNINGS TO1630**

3-0-3

Prerequisite: ENGL 2100

Medieval and Renaissance non-Shakespearean drama; Marlowe, Jonson, Beaumont and Fletcher, Middleton and Webster; conventions and traditions of Medieval and Tudor drama. Additional recommended prerequisites: ENGL 2121, 2122, 2131, 2132.

**ENGL 5570U BRITISH DRAMA II: 1630-1800**

3-0-3

Prerequisite: ENGL 2100

Restoration and Eighteenth-Century Drama; Pre-Restoration, late Caroline drama; Ford, Shirley, Dryden, Lee, Otway, Etherege, Wycherley, Congreve, Goldsmith, Sheridan. Additional recommended prerequisites: ENGL 2121, 2122, 2131, 2132.

**ENGL 5650U BRITISH, AMERICAN AND CONTINENTAL DRAMA:  
IBSEN TO THE PRESENT**

3-0-3

Prerequisite: ENGL 2100

Nineteenth and twentieth-century British, American, European plays including Realism, Irish Renaissance movements, Expressionism, Impressionism, Theatre of the Absurd; Ibsen, Shaw, Yeats, O'Casey, Wilde, Strindberg, O'Neill, Williams. Additional recommended prerequisites: ENGL 2121, 2122, 2131, 2132.

**ENGL 5660U ANCIENT EPIC AND DRAMA**

3-0-3

Prerequisite: ENGL 2100

Major works of Antiquity; Homer, Aeschylus, Sophocles, Euripides, and other significant figures. Additional recommended prerequisites: ENGL 2121, 2122, 2131, 2132.

**ENGL 5730U RHETORIC**

3-0-3

Prerequisite: ENGL 2100

History of rhetoric from Aristotle to the present with emphasis on rhetorical analysis of literature and other forms of discourse.

**ENGL 5760U LITERARY NON-FICTION**

3-0-3

Prerequisite: ENGL 2100

History of the personal essay from Greek philosophers through contemporary authors. Reading and writing journals, letters, memoirs, biographies, autobiographies, editorials, and essays about travel, nature, history, current events, and other topics of "fact." Crossing genres by employing authors' private voices and other creative techniques in developing informative, persuasive, entertaining, scholarly, public inquiry.

**ENGL 5800U ADVANCED GRAMMAR**

3-0-3

Prerequisite: ENGL 2100

Current approaches to grammar, including generative, transformational. Phonology, morphology, syntax.

**ENGL 5820U HISTORY OF THE ENGLISH LANGUAGE 3-0-3**

Prerequisite: ENGL 2100

English language from its beginnings in the fifth and sixth centuries to its worldwide expansion in the 20th. Chronological consideration of language from Old to Middle to Modern English. Phonetic, syntactic, and lexical changes emphasizing both external and internal influences.

**ENGL 5830U HISTORY OF CRITICISM 3-0-3**

Prerequisite: ENGL 2100

Historical survey of the major theories and statements on the nature of literature and interpretation from the ancients through "New Criticism," examining concepts, philosophical assumptions, and historical figures including Plato, Aristotle, Longinus, Sidney, Dryden, Johnson, Schiller, Wordsworth, Coleridge, Arnold, Eliot, and Frye.

**ENGL 5840U INTRODUCTION TO LITERARY THEORY 3-0-3**

Prerequisite: ENGL 2100

Introduction to the major currents and figures in modern critical and literary theory since the "New Critics," examining the basic concepts, philosophical assumptions, and historical and ideological contexts of figures such as Lukacs, Benjamin, Adorno, Bakhtin, Derrida, Foucault, Barthes, Deleuze, Jauss, De Man, Lacan, Cixous, Irigaray, Kristeva, and Homi Bhabha.

**ENGL 5990U SENIOR CAPSTONE SEMINAR 3-0-3**

Capstone course required of English majors. Engages students in advanced critical analysis. Requires students to reflect on their process of study. Preparation, revision, and oral presentation of an original research project. Must be taken within 30 hours of graduation.

**(ENGR) – Engineering****ENGR 1100 FRESHMAN ENGINEERING 2-0-2**

Prerequisite: Eligibility for ENGL 1111, Eligibility for MATH 1111

Orientation to the engineering process from problem formulation to the evolution of creative design. Surveys of the various fields of engineering, critical thinking, graphical communications, professional ethics and fundamental concepts of engineering.

**ENGR 1170 ENGINEERING GRAPHICS 2-3-3**

Prerequisite: MATH 1111

Basic graphical concepts including projection theory, sketching, solid modelling and computer aided design (CAD). Development and interpretation of drawing and specification for product realization.

**ENGR 2200 STATICS 3-0-3**

Prerequisite: PHYS 2211, MATH 2072

Forces and moments; equilibrium of particles and bodies in two and three dimensions, introductory structural analysis, friction, centroids and application to loaded members.

**ENGR 2210 DYNAMICS 3-0-3**

Prerequisite: ENGR 2200, MATH 2072

Kinematics of particles and rigid bodies; kinetics of particles and rigid bodies using work-energy and momentum methods in two-and-three dimensional motion.

**ENGR 3100 ELECTRICAL CIRCUIT ANALYSIS 3-0-3**

Prerequisite or Corequisite: MATH 3411

Prerequisite: PHYS 2212

Analytical tools for passive networks. Kirchoff's laws, mesh and node analysis, network theorems, DC and AC circuits, Laplace transform methods. Numerical simulation of circuits via SPICE.

- ENGR 3111 ELECTRONICS I** 3-2-4  
Prerequisite: ENGR 3100  
Introduction to P-N junction theory and the concepts of solid-state devices; development of the electrical characteristics of diodes and transistors; bipolar and field-effect amplifying circuits; operational amplifiers and analog systems.
- ENGR 3112 ELECTRONICS II** 3-2-4  
Prerequisite: ENGR 3111  
Operation and application of integrated circuits used in digital systems; gates, flip-flops, counters, registers and memory devices.
- ENGR 3220 MECHANICS OF MATERIALS** 3-0-3  
Prerequisite: ENGR 2200  
Internal effects and dimension changes of solids resulting from externally applied loads; shear and bending moment diagrams, analysis of stress and strain; torsion; beam deflection; column stability; thin-walled vessels with applications to problems.
- ENGR 3230 FLUID MECHANICS** 3-0-3  
Prerequisite: ENGR 2210, ENGR 3301, MATH 3411  
Fluid statistics; analysis of fluid motion using the continuity, momentum, and energy conservation relationships; introduction to viscous flow.
- ENGR 3301 THERMODYNAMICS** 3-0-3  
Prerequisite: PHYS 2211, MATH 2072  
Basic concepts of thermodynamics; properties of substances; conservation principles; the first and second laws of thermodynamics; entropy; analysis of thermodynamic systems.
- ENGR 3302 THERMODYNAMICS II** 3-0-3  
Prerequisite: ENGR 3301  
Gas cycles; vapor cycles; thermodynamic relationships; thermodynamic behavior in real gases; non-reacting gas mixtures; thermodynamics of chemical reactions.
- ENGR 3320 HEAT TRANSFER** 3-0-3  
Prerequisite: ENGR 3230, ENGR 3300  
Fundamental principles of heat transfer; steady and transient conduction in solids; introduction to convective heat transfer; thermal radiation.
- ENGR 3700 ENGINEERING ECONOMIC ANALYSIS** 2-0-2  
Prerequisite: MATH 1161  
Fundamental principles of basic techniques of economic analysis of engineering projects including economic measure of effectiveness; time value of money, cost estimation, break-even and replacement analysis.
- ENGR 3960 ENGINEERING INTERNSHIP** V-V-V  
Prerequisite: Permission of Instructor and/or Department, ENGR 1170, ENGR 3220  
Project will be determined, supervised and evaluated by the sponsor of the activity and the EIP Director. Application and arrangement must be made through the department by midsemester preceding the semester of internship.

### **(ETHC) – Ethics**

- ETHC 2000 INTERDISCIPLINARY ETHICS AND VALUES** (2-3)-0-(2-3)  
Prerequisite: ENGL 1101  
An interdisciplinary examination of the relation between ethical theory and moral practice in specific areas of our society. This course involves several modules taught by different professors: the first philosophical framework module will provide an explanation and analysis of the principal ethical theories of the Western world and subsequent modules will focus on moral issues and case studies in specified areas.

**(FILM) – Film****FILM 3360 CRITICAL APPROACHES TO MASS CULTURE 3-0-3**

Prerequisite: PHIL 2201, PHIL 2251, or ENGL 2100

Examination of the theoretical and critical approaches to forms of cultural expression, including film, television, popular literature, magazines, music, video, and radio. Applications of differing critical methodologies to these various forms.

**FILM 3400 HISTORY OF FILM 3-0-3**

Prerequisite: ENGL 2100, PHIL 2201, or PHIL 2251

History and development of cinema from the silent period to the present time.

**FILM 3490 TELEVISION THEORY & CRITICISM 3-0-3**

Prerequisite: ENGL 2100, PHIL 2201, or PHIL 2251

Television theory and criticism with special emphasis on television as a media form.

**FILM 3500 INTRODUCTION TO FILM 3-0-3**

Prerequisite: ENGL 2100, PHIL 2201, or PHIL 2251

Emphasis on critical appreciation of film as an art form.

**FILM 3510 FILM AND LITERATURE 3-0-3**

Prerequisite: ENGL 2100, PHIL 2201, or PHIL 2251

Relationship between film and literature with special emphasis on the adaptation of literature into film.

**FILM 5010U TOPICS IN FILM 3-0-3**

Prerequisite: ENGL 2100, PHIL 2201, or PHIL 2251

Special topics in film announced when course is offered. For example, film genres, auteurs, critical approaches, and individual historical periods.

**FILM 5020U FILM THEORY AND CRITICISM 3-0-3**

Prerequisite: PHIL 2201, PHIL 2251, or ENGL 2100

Introduction to the history of film theory and criticism, including classical and contemporary film theories and their applications to film criticism. Examination of classical film aesthetics, form, language realism and formalism as well as contemporary approaches to film criticism. Application of various theoretical perspectives to selected filmic texts.

**(FREN) – French****FREN 1001 ELEMENTARY FRENCH I 3-0-3**

Elements of French grammar, pronunciation, and oral comprehension. Emphasis on communication skills and listening and reading strategies. Introduction to culture and civilization of the French-speaking world.

**FREN 1002 ELEMENTARY FRENCH II 3-0-3**

Prerequisite: FREN 1001

Continuation of FREN1001. Elements of French grammar, pronunciation, and oral comprehension. Emphasis on communication skills and listening and reading strategies. Introduction to culture and civilization of the French-speaking world.

**FREN 2001 INTERMEDIATE FRENCH I 3-0-3**

Prerequisite: FREN 1002

Further development of reading, writing, listening, and speaking skills, with emphasis on oral proficiency.

**FREN 2002 INTERMEDIATE FRENCH II 3-0-3**

Prerequisite: FREN 2001

Continuation of FREN 2001. Further development of reading, writing, listening, and speaking skills, with emphasis on conversational French in simulated situations.

- FREN 3010 FRENCH CONVERSATION AND COMPOSITION I: CULTURE** 3-0-3  
 Prerequisite: FREN 2002  
 Development of oral proficiency and writing skills through group discussions and guided essays, with emphasis on Francophone culture.
- FREN 3020 FRENCH CONVERSATION AND COMPOSITION II: LITERATURE** 3-0-3  
 Prerequisite: FREN 2002  
 Development of oral proficiency and writing skills through group discussions and guided essays, with emphasis on literature.
- FREN 3030 ADVANCED GRAMMAR & SYNTAX** 3-0-3  
 Prerequisite: FREN 3010, FREN 3020  
 Advanced analysis and examination of the grammar and syntax of French, stressing written usage through written grammar exercises, translations from French to English, and essays.
- FREN 3100 FRENCH CIVILIZATION I** 3-0-3  
 Prerequisite: FREN 3010, FREN 3020  
 Survey of the culture and civilization of France. History, geography, politics, the arts and daily life in France from the middle ages to the French Revolution.
- FREN 3110 FRENCH CIVILIZATION II** 3-0-3  
 Prerequisite: FREN 3010, FREN 3020  
 Analysis of contemporary French society and survey of the Francophone world: geography, sociology, politics, the arts and sciences since 1789 (the French Revolution).
- FREN 3200 SPECIAL TOPICS IN FRENCH LITERATURE** 3-0-3  
 Prerequisite: FREN 3030  
 Subject announced at time course is offered. Includes surveys of 19th and 20th century literature.
- FREN 3510/3520/3530 STUDY ABROAD IN FRANCE** 5 5-9  
 Prerequisite: FREN 1002  
 Summer session residence and study in France in conjunction with the Studies Abroad Program of the University System of Georgia. Intensive instruction in language and culture and participation in related activities.
- FREN 4010 SPECIAL GENRE** 3-0-3  
 Prerequisite: FREN 3200  
 French Literature. Subject announced at time of course offering.
- FREN 4020 SPECIAL AUTHOR** 3-0-3  
 Prerequisite: FREN 3200  
 French Literature. Subject announced at time of course offering.
- FREN 4900 INDEPENDENT STUDY** 1-0-1  
 Prerequisite: FREN 3200  
 Open to transient students only with permission of the Department Head.
- FREN 4990 LANGUAGE INTERNSHIP** V-V-1  
 Prerequisite: Permission of Instructor and/or Department  
 Open to Juniors or above. Individually designed project involving off-campus instruction at the elementary school level (grades 1-6). Three preparation hours per one hour classroom instruction. Supervision by sponsoring institution and French faculty member and coordinated with intern, faculty member, and classroom teacher. Must have minimum 2.75 overall GPA; 3.0 GPA in French.



**(GEOG) – Geography**

**GEOG 1100 WORLD REGIONAL GEOGRAPHY** 3-0-3  
Various regions of the world - natural, cultural, political, and economic with emphasis on fundamental geographic information.

**GEOG 1111 PHYSICAL GEOGRAPHY** 3-0-3  
Topics covered include earth-sun relationships, weather, climate and climate classification, soils, bio-geography, vegetation and landforms with emphasis on global patterns of distribution. GEOG1100 recommended.

**GEOG 2010 INTRODUCTION TO PHYSICAL GEOLOGY** 3-0-3  
Prerequisite: 6 sem hrs of science, GEOG 1111  
Introduction to physical geology focusing on common earth materials, dynamic processes of change, volcanology, seismology, plate tectonics, and the structure and evolution of the earth's crust and inner regions.

**GEOG 2120 CULTURAL GEOGRAPHY** 3-0-3  
Topics include the concept of culture, population settlement patterns, technological origins and diffusions, types of economies and the relationship of man to his environment with emphasis given to the process of cultural change through time and place. GEOG1100 recommended.

**GEOG 3100 MAN & THE ENVIRONMENT** 3-0-3  
Prerequisite: Open to Sophomores or above. GEOG 1111, GEOG 2120  
Considerations of the interactions between humans and the support systems of the earth which are essential to their existence.

**GEOG 5530U HISTORICAL BIOGEOGRAPHY** 3-0-3  
Prerequisite: GEOG 1111  
Survey of interrelationships between the growth and dispersal of human populations, and of other living organisms, such as crop plants, domesticated animals, weeds, and microbes.

**GEOG 5870U HISTORICAL GEOGRAPHY IN NORTH AMERICA** 3-0-3  
Geographic relationships in the exploration, settlement, and changing patterns of human occupancy of North America from the 17th century to the present.

**(GEOL) – Geology**

**GEOL 2010 INTRODUCTION TO PHYSICAL GEOLOGY** 3-0-3  
Prerequisite: Eligibility for MATH 1111  
Introduction to physical geology focusing on common earth materials, dynamic processes of change, volcanology, seismology, plate tectonics, and the structure and evolution of the earth's crust and inner regions.

**GEOL 3100 INTRODUCTION TO HISTORICAL GEOLOGY** 3-0-3  
Prerequisite: Eligibility for MATH 1111  
History of the earth. Determining geologic time, the history of life as revealed in the fossil record, reconstructing a chronology of events from associated rock bodies.

**(GRMN) – German**

**GRMN 1001 ELEMENTARY GERMAN I** 3-0-3  
Elements of German grammar, pronunciation, and oral comprehension, together with an introduction to the culture and civilization of the German-speaking world. Regular practice in language lab is required.

- GRMN 1002 ELEMENTARY GERMAN II** 3-0-3  
 Prerequisite: GRMN 1001  
 Elements of German grammar, pronunciation, and oral comprehension, together with an introduction to the culture and civilization of the German-speaking world. Regular practice in language lab is required.
- GRMN 2001 INTERMEDIATE GERMAN I** 3-0-3  
 Prerequisite: GRMN 1002  
 Continuation of GRMN 1002. Continued development of reading, writing, listening and speaking skills.
- GRMN 2002 INTERMEDIATE GERMAN II** 3-0-3  
 Prerequisite: GRMN 2001  
 Continued development of reading, writing, listening and speaking skills.
- GRMN 3301 GERMAN CONVERSATION & COMPOSITION I** 3-0-3  
 Prerequisite: GRMN 2002  
 Conversational German in simulated situations to develop greater oral proficiency and to promote continued awareness of German culture. Grammar and syntax review through guided essays to develop writing skills in the contact language. Class entirely in German.
- GRMN 3302 GERMAN CONVERSATION & COMPOSITION II** 3-0-3  
 Prerequisite: GRMN 3301  
 Continuation of GRMN 3301.
- GRMN 3510/3520 STUDY ABROAD IN GERMANY** 3-0-3  
 Prerequisite: GRMN 1002  
 An 8-9 week summer semester's residence and study at the Friedrich Alexander University of Erlangen, Germany. Intensive instruction in the German language and culture, complemented by excursions.
- GRMN 4010 SPECIAL GENRE** 3-0-3  
 Prerequisite: GRMN 3302  
 Subject announced when course offered. Typical subjects: Medieval Poetry; Prose, Poetry, and Drama in the 17th and 18th Century; the Novella in the 19th Century; 20th Century Prose.
- GRMN 4020 SPECIAL AUTHOR** 3-0-3  
 Prerequisite: GRMN 3302  
 Subject announced when course offered. Typical Authors: Grimmelshausen, Goethe, Schiller, Thomas Mann, Kafka, Grass.
- GRMN 4900 INDEPENDENT STUDY** 3-0-3  
 Prerequisite: GRMN 2001  
 Open to transient students only with permission of the Department Head.

### **(HIST) – History**

- HIST 1100 POLITICAL HISTORY OF AMERICA & GEORGIA** 3-0-3  
 Prerequisite: Eligibility for ENGL 1111  
 Origins and development of constitutional theory and its political, intellectual, and cultural impact on American society from the 17th century to the present. Emphasis is placed on the political history of Georgia and the principles of its constitution.

- HIST 1111 CIVILIZATION I** 3-0-3  
Prerequisite: Eligibility for ENGL 1111  
A survey of the main currents of political, social, religious, and intellectual activity from the earliest civilizations to ca. 1500. Major civilized traditions of the world considered and compared.
- HIST 1112 CIVILIZATION II** 3-0-3  
Prerequisite: Eligibility for ENGL 1111  
The main currents of political, social, religious, and intellectual activity from ca. 1500 to present. Major civilized traditions of the world considered and compared.
- HIST 1112H HONORS CIVILIZATION II** 3-0-3  
Prerequisite: Acceptance in Honors Program  
Replaces HIST 1115 as a component of the University Honors Program. While the subject matter is the same as HIST 1115, treatment of it varies greatly. Likewise, instruction goes beyond the usual lecture method, allowing students to read widely under the direction of the professor.
- HIST 2111 HISTORY OF AMERICA TO 1877** 3-0-3  
Prerequisite: Eligibility for ENGL 1111  
A survey of American and United States history from the pre-Columbian period through the Civil War and Reconstruction.
- HIST 2112 HISTORY OF AMERICA SINCE 1865** 3-0-3  
Prerequisite: Eligibility for ENGL 1111  
A survey of United States history from Reconstruction to the present.
- HIST 2950 INTERNSHIP** V-V-(1-3)  
Prerequisite: Permission of Instructor and/or Department  
Open to Sophomores or above. An individually designed course involving off-campus study and research or work in an appropriate public agency or private business. Assignments normally designed to require the full semester for completion. Joint supervision by the sponsoring organization and the academic instructor. Graded on Satisfactory/Unsatisfactory basis. Student must have at least nine hours of history courses with a history GPA of 2.5. Application and credit arrangements must be made through the department in advance, normally by mid-semester preceding the internship.
- HIST 3000 SPECIAL TOPICS IN HISTORY** 3-0-3  
Reserved for courses not in the regular curriculum which may be taught by visiting professors with expertise in areas of history other than those normally taught by members of the department. May be repeated for credit as topics vary.
- HIST 3100 HISTORY OF LATIN AMERICA TO 1850** 3-0-3  
A survey of Latin American history and culture since 1850. Examines the historical origins of Latin American society.
- HIST 3110 HISTORY OF LATIN AMERICA SINCE 1850** 3-0-3  
A survey of Latin American history and culture since 1850. Examines the causes and consequences of structural instability in Latin America today.
- HIST 3130 HISTORY OF AFRICA TO AD 1800** 3-0-3  
African history and culture from human origins through the 17th century. Includes ancient civilizations of the Nile Valley as well as eastern, southern, and western Africa.

- HIST 3140 HISTORY OF AFRICA SINCE 1800** 3-0-3  
African history with emphasis on the political, economic, social and cultural processes of the last two centuries with some particular attention to the emergence of new states and nations, and their challenges as they enter the 21st century.
- HIST 3200 TRADITIONAL CHINA** 3-0-3  
History of Chinese civilization from ancient times to the early 19th century, with emphasis on its characteristic political, social, economic, and cultural developments.
- HIST 3210 MODERN CHINA** 3-0-3  
History of China from the 19th century to the present, with emphasis on political, social, economic, intellectual developments.
- HIST 3220 HISTORY OF JAPAN** 3-0-3  
History of Japan from earliest times to present, with primary emphasis on its emergence as a world power since the late 19th century.
- HIST 3230 HISTORY OF THE MIDDLE EAST** 3-0-3  
Middle Eastern history and Islamic culture and civilization from Muhammad to the present. Emphasis on the background of current issues and conflicts in the region.
- HIST 3290 MEDIEVAL RUSSIA** 3-0-3  
Economic, social, and political development of the Russian state from its foundation in the 9th century through its modernization by Peter the Great in the early 18th century.
- HIST 3300 MODERN RUSSIA** 3-0-3  
Russian history from Peter the Great to the present, covering the major political, economic, and social developments of Russia in both the Imperial and Soviet periods as well as the collapse of the Soviet Union.
- HIST 3320 FRANCE 1660-1783** 3-0-3  
French history from the reign of Louis XIV to the eve of the French Revolution.
- HIST 3330 MODERN GERMANY** 3-0-3  
History of Germany from the Mid-18th century through reunification. Attention given to National Socialism and the Third Reich.
- HIST 3360 MODERN EAST CENTRAL EUROPE** 3-0-3  
History of nations between Germany and Russia in the 19th and 20th centuries. Topics covered include the rise of nationalism, the gaining of independence, problems in establishing democracy, experience in World War II, the establishment of communist control and post-Communist developments.
- HIST 3420 ANCIENT HISTORY** 3-0-3  
Early civilizations of the Middle East, the Greek states, the Roman Republic and Empire, with emphasis on the social, political, and cultural contributions.
- HIST 3440 EUROPE IN THE MIDDLE AGES** 3-0-3  
Survey of major political, economic, and cultural developments from 300-1400.
- HIST 3460 THE RENAISSANCE & REFORMATION** 3-0-3  
A study of major political, cultural, economic, and religious developments in Europe from 1400-1648.
- HIST 3480 EUROPE IN THE 19TH CENTURY** 3-0-3  
The social, political, and intellectual directions of European history from the Congress of Vienna to the end of the 19th century.
- HIST 3490 EUROPE IN THE 20TH CENTURY** 3-0-3  
Major developments in Europe since 1900.

- HIST 3510 POPULAR CULTURE IN THE US** 3-0-3  
Examination of the major trends in the news media, popular literature, entertainment, and recreational activities in the U.S.
- HIST 3570 AMERICAN MILITARY HISTORY** 3-0-3  
History of warfare and military technique in their social, economic, and political contexts, with emphasis on the American military traditions.
- HIST 3630 ECONOMIC HISTORY OF THE US** 3-0-3  
Growth and development of economic institutions in the United States from the colonial period to the present, with emphasis on the period since 1860. Analysis of the developments in agriculture, industry, labor, transportation and finance.
- HIST 3640 AMERICAN SOCIAL HISTORY** 3-0-3  
An examination of American social patterns. Topics may include economics, demographics, immigration, gender, politics, and religion.
- HIST 3710 COLONIAL AND REVOLUTIONARY AMERICA** 3-0-3  
Discoveries of the New World and the settlement and growth of the English colonies of North America, triumph over France in the New World, the drastic change in British colonial policy and the rise of the American opposition to it, the achievement of independence, and the establishment of the United States under the Constitution.
- HIST 3740 WOMEN IN AMERICAN HISTORY** 3-0-3  
Examination of the changing political, social, and economic roles of American women from the colonial times to the present. Emphasis on the pre-Civil War feminist reform movements, women's broader social and economic roles after the war, increased awareness of the need for political power, the mid-20th century revolution, and the particular experiences of southern women.
- HIST 3750 CIVIL WAR & RECONSTRUCTION** 3-0-3  
Causes and significance of the American Civil War, with substantial consideration of military campaigns; political, economic and social aspects of reconstruction.
- HIST 3760 US HISTORY 1877-1917** 3-0-3  
Presentation of the major subjects of the late 19th century, and early 20th centuries, including the emergence of a national economy, its theory and policies; partisan and reform politics; United States society and social thought and territorial aggrandizement.
- HIST 3770 US HISTORY 1917-1960** 3-0-3  
Analysis of the institutions and forces that molded life in the United States from 1917 to 1960.
- HIST 3790 US HISTORY SINCE 1960** 3-0-3  
Examination of the society of the United States since 1960, with special emphasis given to the major social and cultural trends.
- HIST 3800 INTRODUCTION TO PUBLIC HISTORY** 3-0-3  
An introduction to the basic historiographic and anthropological approaches used in public history and a survey of the different disciplines such as archaeology, architecture, folklife, decorative arts, museum studies, and preservation which comprise public history.
- HIST 3820 INTRODUCTION TO ARCHAEOLOGY** 3-0-3  
Survey of archaeology using cross-cultural examples. Focus on history, basic techniques, concepts, theories, and types of research.

**HIST 3990 FIELDWORK IN HISTORY**

V-V-(1-3)

Prerequisite: Permission of Instructor and/or Department

Field-trip based courses or extended site visits, abroad or the United States Research, reading, and written assignment tailored to the specific nature of each study tour or site visitation. (Specific area of study indicated on transcript) Course may be repeated as topics may vary, but no more than five hours counted among the 40 hours required for the major in history. Offered only by special advance arrangement with department.

**HIST 4500 HISTORICAL METHODS**

2-2-3

Introduction to the nature and methods of historical research, treating problems of investigation, data organization, and writing through discussion and actual research experience. Required of all history and public history majors.

**HIST 4811/4812 INDEPENDENT STUDY IN NON-WESTERN HISTORY**

3-0-3

Prerequisite: HIST 4500

Available only by special arrangement with the department, made in advance. Ask in the History Department for specific information.

**HIST 4831/4832 INDEPENDENT STUDY IN EUROPEAN HISTORY**

3-0-3

Prerequisite: HIST 4500

Available only by special arrangement with the department, made in advance. Ask in the History Department for specific information.

**HIST 4851/4852 INDEPENDENT STUDY IN AMERICAN HISTORY**

3-0-3

Prerequisite: HIST 4500

Available only by special arrangement with the department, made in advance. Ask in the History Department for specific information.

**HIST 4871/4872 INDEPENDENT STUDY IN PUBLIC HISTORY**

3-0-3

Prerequisite: HIST 4500

Available only by special arrangement with the department, made in advance. Ask in the History Department for specific information.

**HIST 4900 SEMINAR IN NON-WESTERN HISTORY**

3-0-3

Prerequisite: HIST 4500

Detailed analysis of a specific problem theme, or topic in non-Western history. Writing-intensive. Format varies: colloquia with extensive readings and the writing of several critical essays, or a research class with a formal research paper.

**HIST 4910 SEMINAR IN RUSSIAN HISTORY**

3-0-3

Prerequisite: HIST 4500

Detailed analysis of a specific problem, theme, or topic in Russian history. Writing-intensive. Format varies: colloquia with extensive readings and the writing of several critical essays, or a research class with a formal research paper.

**HIST 4920 SEMINAR IN EUROPEAN HISTORY**

3-0-3

Prerequisite: HIST 4500

Detailed analysis of a specific problem theme, or topic in European history. Writing-intensive. Format varies: colloquia with extensive readings and the writing of several critical essays, or a research class with a formal research paper.

**HIST 4930 SEMINAR IN AMERICAN HISTORY**

3-0-3

Prerequisite: HIST 4500

Detailed analysis of a specific problem, theme, or topic in European history. Writing-intensive. Format varies: colloquia with extensive readings and the writing of several critical essays, or a research class with a formal research paper.

- HIST 4950 PROFESSIONAL INTERNSHIP** V-V-(1-3)  
Prerequisite: HIST 4500  
An individually designed course project involving off-campus study and research in a government or private agency. Supervision by sponsoring agency and faculty advisor. May be repeated for credit. Graded on a Satisfactory/Unsatisfactory basis; credited among upper level courses but not part of the minimum 27 hours required for the major. Application and credit arrangements should be made through the department in advance, normally by mid-semester preceding the semester of internship. Must have a minimum GPA in all history courses and 12 hours of upper level history including HIST 4500.
- HIST 4960 AMERICAN HISTORIOGRAPHY** 3-0-3  
A study of the writing of American history with emphasis on the historical philosophies and interpretations of the major schools of thought as well as individual historians.
- HIST 4970 EUROPEAN HISTORIOGRAPHY** 3-0-3  
A study of the writing of history in the Western cultural tradition, with an emphasis on the historical philosophies, interpretations, and problems raised by major modern historians.
- HIST 4990 SENIOR THESIS IN HISTORY** 0-6-3  
Prerequisite: Open to Seniors. HIST 4500  
Directed research under the supervision of a permanent member of the History Department. Application to the Academic Affairs Committee of the History Department by mid-term of semester (excluding summer) before enrollment in course. Completed thesis submitted four weeks prior to end of semester. Will involve an oral presentation to the history department faculty. If the faculty of the department approve the completed thesis for honors, the degree designation on the student's transcript will be noted "Honors in History." Consult the department office for details. Students must have completed 15 semester hours of upper division history courses, including HIST 4500, and have a 3.5 GPA in all history courses. May not be counted in the 27 hours required for the major. This course meets the "honors in the major" component for students in the University honors program.
- HIST 5300U HISTORY OF RUSSIAN AND SOVIET FOREIGN POLICY** 3-0-3  
Examination of topics of Russian and Soviet foreign policy from the end of the tsarist period to the present. Analysis of the effect on the international system of the collapse of the Soviet Union and the place of Russia in the world today.
- HIST 5450U TOPICS IN MEDIEVAL HISTORY** 3-0-3  
Study of a topic in medieval history such as the Crusades, Byzantine history, or other medieval subjects based on available primary source material. May be repeated as topics vary.
- HIST 5470U FRENCH REVOLUTION & NAPOLEON** 3-0-3  
Background and events of the French Revolution and the career of Napoleon, considering various and different historical interpretations.
- HIST 5480U TOPICS IN EUROPEAN HISTORY** 3-0-3  
Selected topics in European history. May be repeated as topics vary.
- HIST 5500U TOPICS IN BRITISH HISTORY** 3-0-3  
Selected topics in the history of Great Britain and Ireland. May be repeated as topics vary.

- HIST 5510U HISTORY OF NORTH AMERICAN INDIANS** 3-0-3  
Investigation of the aboriginal cultures of North America from the Arctic to the Rio Grande, including origins, distribution, ecology, and interrelationships, past through present.
- HIST 5540U TOPICS IN US FOREIGN RELATIONS** 3-0-3  
Study of United States objectives and policies in foreign affairs. May be repeated as topics vary.
- HIST 5560U TOPICS IN THE HISTORY OF GEORGIA** 3-0-3  
Topics in the history of Georgia with emphasis on political, economic, social, religious, and cultural trends in the context of the South and the nation.
- HIST 5570U TOPICS IN THE HISTORY OF THE AMERICAN SOUTH** 3-0-3  
Topics including economic, cultural, social, and political history of the South with emphasis on those factors that made the South a unique section of the nation.
- HIST 5640U TOPICS IN THE HISTORY OF TECHNOLOGY AND CULTURE** 3-0-3  
Examination of developments in the history of technology, emphasizing relationships among European and American technologies, societies, and cultures. May be used for European or American history credit, depending upon the emphasis of the course.
- HIST 5700U AMERICAN MATERIAL CULTURE** 2-0-3  
Introduction to the study of North American and Caribbean culture, ordinarily focused on the 18th and 19th century. Architecture, cemeteries, landscape, dress, music, art, foodways, status, gender, and ethnic identifiers may provide examples.
- HIST 5720U HISTORICAL ARCHAEOLOGY** 3-0-3  
Prerequisite: HIST/PBHS/ANTH 3820  
The historical archaeology of the New World from the first arrival of Europeans and Africans to ca. 1800. Attention focused on the South and the Caribbean, but other frontier contexts may also be included. Emphasis given to anthropological archaeology as a perspective for the writing of history and as a sub-field within public history.
- HIST 5730U FIELDWORK IN HISTORICAL ARCHAEOLOGY** 0-12-6  
Prerequisite: HIST/PBHS/ANTH 3820  
Application of archaeological methods to a specific field project. Excavation techniques, surveying and map making, data collecting and recording, and the interpretation of archaeological data. May be repeated for credit.
- HIST 5740U PRACTICUM IN ARCHAEOLOGY** 3-0-3  
Prerequisite: HIST/ANTH 3800  
Application of analytical techniques to a specific research problem. Individual research requiring artifact analysis, techniques from anthropological history, use of computer technologies, curation or conservation of archaeological data. May be repeated as topics vary.
- HIST 5750U FOLKLIFE** 2-2-3  
Prerequisite: ANTH 1102  
The study of the creation of tradition in societies and of the process of change as demonstrated in such aspects as narrative, music, song, celebration, festival, belief, and material culture. Emphasis on understanding the multi-ethnic nature of the traditions in American life.



**HIST 5770U ORAL HISTORY 1-4-3**

Prerequisite: HIST 4500

The study of how to prepare and conduct oral history interviews, how to transcribe, log, and index oral history recordings, and how to use oral history collections in writing research papers.

**HIST 5800U AMERICAN ARTS IN HISTORICAL PERSPECTIVE 3-0-3**

Survey of American visual arts including painting, sculpture, architecture, and the decorative arts. Examines artistic material culture as art and as a means to critical understanding of American life.

**HIST 5810U TOPICS IN ARCHITECTURAL HISTORY 2-1-3**

Study of selected topics in Architectural History, including various styles of architecture (Georgian, Federal, Neo-classical, Eclecticism, and Modern), and vernacular architecture. Recording techniques, research strategies, theoretical approaches, landscape architecture, field trips, and visiting lecturers. May be repeated as topics vary.

**HIST 5890U TOPICS IN PUBLIC HISTORY 3-0-3**

Study of a special topic in the field of public history. Taught as a colloquium or seminar.

**HIST 5940U FIELDWORK IN HISTORY V-V-(1-3)**

Prerequisite: Permission of Instructor and/or Department

Field-trip based and/or engagement in extended site visits, whether abroad or in U.S. Research, reading, and written assignments tailored to the specific nature of each study tour or site visitation. Specific area of study indicated on student transcript. Course may be repeated for credit as topics vary, but no more than five hours counted among the 40 hours required for the major. Offered only by special advance arrangement with the department.

**(HLPR) – Health Professions****HLPR 1100 INTRODUCTION TO HEALTH CARE AND MEDICAL TERMINOLOGY 3-0-3**

Introduction to concepts necessary for effective, ethical performance in the health care delivery system. Terminology of medicine. Basic foundation course.

**HLPR 1200 MULTIDISCIPLINARY SKILLS IN HEALTH PROFESSIONS 1-3-2**

Prerequisite: HLPR 1100 or Permission of Instructor and/or Department

Emphasis on basic patient care skills common to all health professions. Patient and health practitioner safety is emphasized in class laboratory exercises.

**HLPR 2000 INTRODUCTION TO RESEARCH IN THE HEALTH PROFESSIONS 2-0-2**

Prerequisite: ENGL 1102, MATH 1111

Introduction to methods of scientific research in the health professions. Steps of the research process, critique of research reports, completion of literature review.

**HLPR 2400 PRINCIPLES OF PHARMACOLOGY 2-0-2**

Prerequisite: CHEM 1211/1211L, CHEM 1213/1213L, BIOL 2082

Principles of pharmacology to include routes of drug administration, absorption, distribution, tissue accumulation, metabolism, and excretion. Additional topics include pharmacodynamics, drug interactions, toxicology, and changes across the life span.

**HLPR 4200 INTERDISCIPLINARY HEALTH PROFESSIONS SEMINAR 3-0-3**

Prerequisite: HLPR 2000, DIED 3300, MATH 2200 or Permission of Instructor and/or Department

Interdisciplinary case presentations and analysis of research and health issues. Collaboration, leadership, and health outcomes.

**(HSCA) – Health Services Administration**

- HSCA 3601 HEALTH CARE FINANCE I** 3-0-3  
Introduction to health service organization financial statements, basic managerial accounting practices, forms of business organization, time value of money, and reimbursement methods in health care.
- HSCA 3602 HEALTH CARE FINANCE II** 3-0-3  
Prerequisite: HSCA 3601  
Valuation concepts, cost of capital, capital budget analysis, risk, working capital management, financial statement analysis and forecasting.
- HSCA 4610 HEALTH CARE ECONOMICS** 3-0-3  
Microeconomic approach to the market for health services and macroeconomic applications to health policy formulation and evaluation.
- HSCA 4620 HEALTH CARE ADMINISTRATION** 3-0-3  
Administrative theories and concepts in health service organizations and systems.
- HSCA 4630 HEALTH INFORMATION SYSTEMS** 3-0-3  
Role and development of information systems in health programs. Emphasis on information based planning models, sources of health related data, and utilization of data for decision making.
- HSCA 4640 MANAGED CARE CONCEPTS** 3-0-3  
Overview of managed health care plans and systems. Emphasis on provider and payor sponsored systems, methods of financing and reimbursement, and common operational issues.
- HSCA 4650 LONG TERM CARE MANAGEMENT** 3-0-3  
Prerequisite: HSCA 4610, HSCA 4620, HSCA 3120  
Issues particular to care of residents and management in a long term care setting. Synthesis of topics studied elsewhere including accreditation standards, human resource issues.
- HSCA 4901/4902 HEALTH SCIENCE PRACTICUM IN LONG TERM CARE I/II** V-V-3  
Prerequisite: Permission of Instructor and/or Department  
Two semesters (6 hours) of on-site experience under tutelage of licensed nursing home administrator. Development of philosophy integrating clinical and administrative aspects of long term care.
- HSCA 4920 HEALTH SERVICES ADMINISTRATION PRACTICUM** V-V-4  
Prerequisite: Permission of Instructor and/or Department  
On-site experience in health services administration.
- HSCA 5650U SEMINAR IN LONG TERM CARE ADMINISTRATION** 1-0-1  
Prerequisite: HSCA 4635, HSCA 4910  
Statutory guidelines, facility licensing requirements, Medicare/ Medicaid requirements for reimbursement, and items necessary for successful completion of Georgia State Nursing Home Administrator licensure examination.

**(HSCC) – Health Science Core**

- HSCC 2110 HEALTH AND HUMAN DEVELOPMENT** 3-0-3  
Analysis of critical stages in human development from the perspective of health enhancement and disease prevention.

- HSCC 3000 HEALTH ISSUES AND RESOURCES** 3-0-3  
Formulation and facilitation of practical modes of collaboration and cooperation among health agencies, levels of program personnel, and provider organizations.
- HSCC 3010 HEALTH COMMUNICATION STRATEGIES** 2-0-2  
Various methods and techniques for providing health information and fostering communication among health service providers, payers, and consumers.
- HSCC 3120 HEALTH POLICY AND LAW** 3-0-3  
Overview of health policy making process and legal environment of health care. Issues pertinent to policy deliberation, formation, evaluation, and statutory and administrative law.
- HSCC 3140 EPIDEMIOLOGY** 3-0-3  
Distribution and determinants of health and disease in defined populations with applications to clinical, environmental, and infectious disease settings.
- HSCC 4010 HEALTH PLANNING AND MARKETING** 4-0-4  
Prerequisite: HSCC 3000, HSCC 3140 HSCP 3730, HSCP 3740  
Study of health planning framework and the investigation of implementation, marketing, and evaluation processes.
- (HSCG) – Health Science Gerontology**
- HSCG 5500U SURVEY OF GERONTOLOGY** 3-0-3  
Introduction to the emotional, physiological, and social changes associated with the aging process and their effects on health.
- HSCG 5510U HEALTHY AGING** 3-0-3  
Principles of holistic aging: spiritual, social, emotional, occupational, physical, and motivational needs of the elderly.
- HSCG 5520U GERONTOLOGY PRACTICUM** V-V-3  
Prerequisite: Permission of Instructor and/or Department  
Practical experience tailored to the student's interest in collaboration with a faculty member and qualified site supervisor.
- (HSCP) – Health Science Public Health**
- HSCP 3710 WORKSITE WELLNESS AND SAFETY** 3-0-3  
Introduction to the multiple skills needed to design, implement and evaluate health promotion and wellness programs in various settings.
- HSCP 3720 ETHICAL THEORIES AND MORAL ISSUES IN PUBLIC HEALTH** 3-0-3  
Theories and issues in the ethics of public health, health care, and health promotion. Contemporary issues, such as health bioethics, DNA manipulation, contraception, and end-of-life decisions.
- HSCP 3730 HEALTH PROMOTION THEORY** 3-0-3  
Individual and environmental forces generating opposing viewpoints regarding public health needs and concerns.
- HSCP 3740 HEALTH PROMOTION METHODS** 3-0-3  
Selection of methods and media best suited for successful implementation of program plans for specific populations.
- HSCP 3750 TOPICS IN PUBLIC HEALTH** 3-0-3  
Major public health topics and their effects on modern society.

<b>HSCP 3770 HEALTH/SEXUALITY EDUCATION</b>	<b>3-0-3</b>
Investigation of human sexuality and its effects on health.	
<b>HSCP 3780 HEALTH AND DRUG EDUCATION</b>	<b>2-0-2</b>
Investigation of legal and illegal drugs including chemical dependency, abuse, physiological and psychological effects, rehabilitation methods and costs to society.	
<b>HSCP 3790 HEALTH/FITNESS MANAGEMENT</b>	<b>3-0-3</b>
Art and science managing health, wellness, and fitness centers.	
<b>HSCP 4000 INDEPENDENT STUDY IN HEALTH SCIENCE</b>	<b>V-V-3</b>
Prerequisite: Permission of Instructor and /or Department Independent student study in an area of interest in health.	
<b>HSCP 4900 HEALTH SCIENCE PRACTICUM</b>	<b>V-V-3</b>
Prerequisite: Permission of Instructor and /or Department On-site experience in the student's area of interest.	
<b>HSCP 5550U NUTRITION</b>	<b>3-0-3</b>
Basic concepts of nutrition as major components to the enhancement of health.	
<b>HSCP 5700U ENVIRONMENTAL HEALTH ISSUES</b>	<b>3-0-3</b>
Historical, contemporary, and prospective environmental factors that impact public health status.	
<b>(JOUR) – Journalism</b>	
<b>JOUR 3270 JOURNALISM LAB</b>	<b>0-3-1</b>
Prerequisite: ENGL 1102 Practical experience in journalism through work on approved campus publications. Only one hour of credit may be earned per term. Repeatable up to 3 hours.	
<b>JOUR 3430 JOURNALISTIC WRITING AND EDITING</b>	<b>3-0-3</b>
Prerequisite: ENGL 2100 Techniques of modern journalism; emphasis on writing and editing for newspapers and magazines.	
<b>JOUR 3470 BASIC TV PRODUCTION</b>	<b>3-3-3</b>
Study of the theory and practice of television production styles, forms and concepts. Special emphasis on the critical appreciation of electronic communication techniques.	
<b>JOUR 3500 INTRODUCTION TO FILM</b>	<b>3-0-3</b>
Prerequisite: ENGL 2100, PHIL 2201, PHIL 2251 Emphasis on critical appreciation of film as an art form.	
<b>JOUR 4000 TOPICS IN JOURNALISM</b>	<b>3-0-3</b>
Prerequisite: JOUR 3430 A seminar on the impact of the media on the world today. Emphasis on rights and responsibilities of journalists, censorship, media control, propaganda and other current issues.	
<b>(LATN) – Latin</b>	
<b>LATN 1001 ELEMENTARY LATIN I</b>	<b>3-0-3</b>
Essentials of grammar and readings from selected Latin authors.	
<b>LATN 1002 ELEMENTARY LATIN II</b>	<b>3-0-3</b>
Prerequisite: LATN 1001 Essentials of grammar and readings from selected Latin authors.	

- LATN 2001 INTERMEDIATE LATIN I** 3-0-3  
Prerequisite: LATN 1002  
Further readings in Latin literature with special emphasis on Vergil and Ovid.
- LATN 2002 INTERMEDIATE LATIN II** 3-0-3  
Prerequisite: LATN 2001  
Further readings in Latin literature with special emphasis on Vergil and Ovid.
- LATN 3000 READINGS IN LATIN** 3-0-3  
Prerequisite: LATN 2002  
Readings from the 2000 years of Latinity from Plautus to the recent encyclicals.
- LATN 3010 READINGS IN LATIN II** 3-0-3  
Readings in Latin poetry and may include Horace, Catullus, Ovid, Propertius, and Tibullus.
- LATN 3020 OVID** 3-0-3  
Prerequisite: LATN 2001  
Readings from the *Metamorphoses* with emphasis on familiar mythology and other selected works.
- LATN 3351/3352/3353 STUDY ABROAD IN ROME & ATHENS** 9-0-9  
Prerequisite: LATN 1002  
An 8-9 week summer semester's residence and study in Rome and Athens in conjunction with the Studies Abroad Program of the University System of Georgia. Through visits to monuments, museums, and classical ruins, and on excursions to Crete, Delphi, Ostia, Tivoli, Tarquinia, and Frascati, the student experiences first hand the reality of life in the ancient world.
- LATN 3960 LATIN LANGUAGE AND CULTURE IN ROME** 9-0-9  
Prerequisite: LATN 2001  
Composition outside of class and travel to cultural sites.
- LATN 4010 VERGIL** 3-0-3  
Prerequisite: LATN 2001  
Readings from the Aeneid with emphasis on Books II, IV, VI, and VIII, and other selected works.
- (LING) – Linguistics**
- LING 4700 ADVANCED COMPOSITION** 3-0-3  
Prerequisite: ENGL 2100  
An understanding of the complex interaction of form and content when writing prose. Developing an individual voice along with cultural context, audience awareness, and meaning.
- LING 5000U TOPICS IN LINGUISTICS** 3-0-3  
Prerequisite: ENGL 2100  
Seminar in topics of theoretical and applied linguistics. Course may be taken more than once for credit as topics change.
- LING 5800U ADVANCED GRAMMAR** 3-0-3  
Prerequisite: ENGL 2100  
Current approaches to grammar, including generative transformational. Phonology, morphology, syntax.

**LING 5820U HISTORY OF ENGLISH LANGUAGE**

3-0-3

Prerequisite: ENGL 2100

English language from its beginnings in the fifth and sixth centuries to its worldwide expansion in the 20th. Chronological consideration of language from Old to Middle to Modern English. Phonetic, syntactic, and lexical changes emphasizing both external and internal influences.

**(LMUG) – Library Media****LMUG 3000 INTRODUCTION TO MEDIA PROFESSIONS**

2-2-2

Examination of the role, functions and services of different types of libraries and information centers including directed field experiences.

**LMUG 3100 REFERENCE SOURCES**

3-2-3

Basic reference sources, electronic sources, searching strategies, and directed field experiences.

**LMUG 3200 CATALOGUING AND CLASSIFICATION**

3-2-3

Basic principles of cataloguing and classification of multi-media materials combined with practical experience.

**LMUG 4100 MEDIA SELECTION**

3-1-3

Selection, evaluation and utilization of various types of media, based on fundamental principles and objectives. Includes field experiences.

**LMUG 4200 ADMINISTRATION OF INFORMATION CENTERS**

3-2-3

Prerequisite: LMUG 3000, LMUG 3100, LMUG 3200, LMUG 4100

Study of organization and administration of all types of information centers. Includes field experiences. Concurrent enrollment in LMUG 4250 recommended.

**LMUG 4250 MEDIA INTERNSHIP**

1-6-4

Prerequisite: LMUG 3000, LMUG 3100, LMUG 3200, LMUG 4100

Corequisite: LMUG 4200

Supervised experiences in library / media center, or other appropriate setting.

**(LSLI) – Library Science****LSLI 1100 INTRODUCTION TO LIBRARY RESEARCH AND MATERIALS**

1-1-1

An orientation to the library. Students will learn to access information in a variety of formats.

**LSLI 3110 LIBRARY RESEARCH AND ELECTRONIC RESOURCES**

2-2-2

Introduction to searching appropriate printed and electronic databases. Internet resources are included. Directed to the student's subject interest.

**LSLI 3120 INFO RESOURCES IN HUMANITIES**

1-1-1

Basic and advanced reference materials and search techniques in the humanities.

**LSLI 3130 INFO RESOURCES SOCIAL SCIENCES**

1-1-1

Basic and advanced reference materials and search techniques in the social sciences.

**LSLI 3140 INFO RESOURCES IN SCIENCES**

1-1-1

Basic and advanced reference materials and search techniques in the sciences.

**(MAED) – Mathematics Education**

**MAED 5500U TEACHING MATHEMATICS WITH TECHNOLOGY** 3-0-3

Prerequisite: MATH 1030

Use of graphing calculators and special computer software to teach algebra, geometry, advanced algebra and precalculus.

**MAED 5940U TEACHING OF MIDDLE SCHOOL/  
GENERAL MATHEMATICS** 3-0-3

Prerequisite: MATH 1030

The teaching of traditional topics, such as fractions, decimals, percentage measurement, informal geometry, algebraic structures, probability and statistics. Cooperative learning in an activity-based problem solving environment; incorporation of drill and practice in necessary skills with appropriate games and exercises.

**(MATH) – Mathematics**

**MATH 0097 INTRODUCTORY ALEGBRA** 3-0-3

Prerequisite: Placement according to CPE score

Real numbers, variable expressions, solving equations and inequalities, applications, graphing straight lines, polynomials, factoring, and radical expressions.

**MATH 0099 INTERMEDIATE ALGEBRA** 3-0-3

Prerequisite: Placement according to CPE score

Rational expressions, factoring, linear equations and inequalities, quadratic equations, word problems, graphs of linear functions, rational exponents, and radicals.

**MATH 1111 COLLEGE ALGEBRA** 3-0-3

Functional approach to algebra that incorporates the use of appropriate technology. Emphasis will be placed on the study of functions and their graphs, inequalities, and linear, quadratic, rational, polynomial, exponential, and logarithmic functions. Appropriate applications will be included.

**MATH 1113 PRE-CALCULUS MATHEMATICS** 3-0-3

Prerequisite: MATH 1101

Designed to prepare students for calculus, physics, and related technical subjects. Topics include an intensive study of algebraic, trigonometric, logarithmic and exponential functions accompanied by analytic geometry.

**MATH 1161 CALCULUS I** 4-0-4

Prerequisite: MATH 1103

Functions and limits; the derivative and its applications, antidifferentiation; the definite integral and applications; exponential and logarithmic functions.

**MATH 1950 APPLIED MATH FOR NON-SCIENCE MAJORS** 3-0-3

Prerequisite: MATH 1111

Mathematical applications in economics and the social sciences. Linear functions and models; matrix operations and applications; inequalities and linear programming; exponential functions and log functions, single and multi-variate differentiation.

**MATH 2072 CALCULUS II** 4-0-4

Prerequisite: MATH 1161

Techniques and applications of integration; transcendental functions; indeterminate forms; improper integrals; parametric equations and polar coordinates; sequences and series; Taylor's theorem.

- MATH 2083 CALCULUS III** 4-0-4  
 Prerequisite: MATH 2072  
 Vectors, curves, and surfaces; partial differentiation; multiple integrals; curve integrals and surface integrals; the theorems of Green and Stokes; the Divergence Theorem; introduction to differential equations.
- MATH 2160 LINEAR ALGEBRA** 3-0-3  
 Prerequisite: MATH 2072  
 Linear systems and matrices; vector spaces, linear independence, rank of a matrix; linear transformations; determinants; introduction to eigenvalues and eigenvectors; diagonalization; applications.
- MATH 2200 ELEMENTARY STATISTICS** 3-0-3  
 Prerequisite: MATH 1111  
 Measures of central tendency and dispersion; probability distributions; inferences concerning means and proportions; goodness of fit; correlation; linear regression.
- MATH 2252 COMPUTATIONAL METHODS IN STATISTICS** 3-0-3  
 Prerequisite: MATH 2200 and either CSCI 1050 or 1301  
 Statistical programming with Minitab and SAS software. Including data analyses involving ANOVA, multiple regression and nonparametric statistics.
- MATH 2900 SPIRIT AND STRUCTURE OF MATHEMATICS** 3-0-3  
 Prerequisite: MATH 1111  
 Designed to portray the history, philosophy, and aesthetics of mathematics, and to develop an appreciation of the role of mathematics. Topics include logic, set theory, problem solving, number systems, statistics, probability and geometry.
- MATH 3000 INTRODUCTION TO MATHEMATICAL PROOF** 3-0-3  
 Prerequisite: MATH 2072  
 Elementary logic, set theory, functions and relations, methods of proof including induction, and selected topics from major areas of mathematics.
- MATH 3110 ABSTRACT ALGEBRA** 3-0-3  
 Prerequisite: MATH 2083, MATH 3000  
 Elementary properties of integers, groups, rings, and fields; mappings, homomorphisms, kernels and quotient structures.
- MATH 3170 ADVANCED LINEAR ALGEBRA** 3-0-3  
 Prerequisite: MATH 2160, MATH 3000  
 Abstract vector spaces, linear transformations, eigenvectors and eigenvalues, diagonalization, inner product spaces, real quadratic forms.
- MATH 3211 PROBABILITY & MATHEMATICAL STATISTICS** 3-0-3  
 Prerequisite: MATH 2072  
 Data collection, organization and description; probability, random variables; discrete and continuous probability distributions; Central Limit Theorem; point and interval estimation; tests of hypotheses, simple linear regression and correlation.
- MATH 3222 PROBABILITY & MATHEMATICAL STATISTICS II** 3-0-3  
 Prerequisite: MATH 3211  
 Analysis of variance; nonlinear and multiple regression; chi-square tests for categorical data; nonparametric methods; Bayesian inference; use of statistical packages to analyze data sets.



- MATH 3360 MODERN GEOMETRY** 3-0-3  
 Prerequisite: MATH 3000  
 An axiomatic approach to the fundamental ideas of Euclidean geometry, including congruence, similarities, circles, elementary transformations and constructions, and an examination of non-Euclidean geometries.
- MATH 3411 DIFFERENTIAL EQUATIONS** 3-0-3  
 Prerequisite: MATH 2072  
 First order linear and nonlinear equations; second and higher order linear equations; applications; the Laplace transform; numerical solution with emphasis on computer-aided solution.
- MATH 3422 DIFFERENTIAL EQUATIONS II** 3-0-3  
 Prerequisite: MATH 3411  
 Series solutions; linear and nonlinear first order systems; applications; numerical methods; boundary value problems; introduction to Fourier series and partial differential equations.
- MATH 3460 MATHEMATICAL MODELLING & OPTIMIZATION** 3-0-3  
 Prerequisite: MATH 3211  
 Design, solution and interpretation of mathematical models of problems in the social, life and management sciences. Typical topics include linear programming, dynamic programming, scheduling theory, Markov chains, game theory, queuing theory, inventory theory and computer-based simulation.
- MATH 3900 SPECIAL TOPICS IN APPLIED MATHEMATICS** V-V-(1-3)  
 Prerequisite: Announced with the Course  
 Special topics of current interest in upper-level applied mathematics.
- MATH 3911 MATH FOR ELEMENTARY SCHOOL TEACHERS** 2-3-3  
 Prerequisite: MATH 2900  
 Mathematics in the K-6 curriculum, with emphasis on appropriate methods of teaching for understanding through activity-based and problem-solving experiences. Emphasis on communication and connections; frequent use of a wide range of manipulatives to embody concepts in arithmetic and whole numbers, fractions and decimals; geometry and measurement. Directed field experience and required laboratory.
- MATH 3932 TEACHING OF MIDDLE SCHOOL/  
 GENERAL MATHEMATICS** 2-3-3  
 Prerequisite: MATH 3911  
 The teaching of traditional topics such as fractions, decimals, percentage, measurement (especially the metric system), informal geometry, algebraic structures, probability and statistics. Emphasis on cooperative learning in an activity-based, problem-solving environment; incorporation of drill and practice in necessary skills with appropriate games and laboratory exercises. Directed field experience and required laboratory.
- MATH 4000 PUTNAM SEMINAR** 0-2-1  
 Prerequisite: MATH 2083  
 A variety of mathematical problems, considered with the aim of developing problem-solving techniques.
- MATH 4011 ADVANCED CALCULUS I** 3-0-3  
 Prerequisite: MATH 2083  
 The real number system; sequences and series; limits of functions, the Bolzano-Weierstrass theorem; uniform continuity; the derivative.

- MATH 4022 ADVANCED CALCULUS II** 3-0-3  
 Prerequisite: MATH 4011  
 The Riemann integral; metric spaces; compactness; sequences of functions; uniform convergence.
- MATH 4060 FUNCTIONS OF COMPLEX VARIABLES** 3-0-3  
 Prerequisite: MATH 2083  
 Complex numbers; elementary functions and transformations; differentiation; analytic functions; integration theory; series; residue theory; conformal mapping and applications.
- MATH 4360 TOPOLOGY** 3-0-3  
 Prerequisite: MATH 2083, MATH 3000  
 Topological spaces and homeomorphisms, separability, compactness, connectedness; completeness; metrizability; introduction to homotopy theory.
- MATH 4610 NUMERICAL ANALYSIS** 3-0-3  
 Prerequisite: MATH 2072, CSCI 1301  
 An introductory course in numerical analysis and computation. Topics include computer arithmetic and numerical error, systems of linear equations, iterative methods for nonlinear equations, polynomial interpolation, least squares approximation, and numerical integration.
- MATH 4900 SPECIAL TOPICS** V-V-(1-3)  
 Prerequisite: Announced with the Topic  
 Special topics of current interest in upper-level mathematics.
- MATH 4961/4962/4963 INTERNSHIP IN MATHEMATICS** 0-6-3  
 Prerequisite: Permission of Instructor and/or Department  
 Experience in a variety of mathematical applications suited to the educational and professional aspirations of the student, under the direction of the faculty and appropriate off-campus supervisory personnel. Open to transient students only with the permission of the Department Head.
- MATH 5160U THEORY OF NUMBERS** 3-0-3  
 Prerequisite: MATH 3000  
 A survey of topics from number theory to include; divisibility and congruence; diophantine equations; distribution of prime numbers, famous unsolved problems, number-theoretic functions and their applications; theorems of Fermat and Euler.
- MATH 5600U FOUNDATIONS OF MATHEMATICS** 3-0-3  
 Prerequisite: MATH 2072  
 Fundamental ideas of axiomatic mathematics, including sets, relations, functions, algebraic structures, with emphasis on techniques of writing proofs.
- MATH 5700U HISTORY OF MATHEMATICS** 3-0-3  
 Prerequisite: MATH 3000  
 The historical development of mathematics from its empirical beginnings to its present state.
- MATH 5900U TOPICS IN MATHEMATICS** V-V-(1-3)  
 Prerequisite: Permission of Instructor and/or Department  
 Special topics of current interest in upper-level mathematics.

**(MEDT) – Medical Technology**

- MEDT 3000 INTRODUCTION TO MEDICAL LABORATORY SCIENCE** 1-0-1  
 Prerequisite: Open to majors in Medical Technology  
 Corequisite: MEDT 3001  
 Role of the medical technologist as member of health care team. Basic knowledge of clinical laboratory science including content common to several discipline areas, literature research, and basic laboratory mathematics.
- MEDT 3001 INTRODUCTION TO MEDICAL LABORATORY METHODS** 1-3-2  
 Corequisite: MEDT 3000  
 Laboratory course covering basic skills common to all areas of the medical laboratory. Topics include principles of quality assurance, microscopy, basic principles of instruments, staining techniques, serologic testing and pipetting.
- MEDT 3100 URINALYSIS AND BODY FLUIDS** 2-3-3  
 Prerequisite: Open to majors in Medical Technology  
 Qualitative and quantitative study of the clinical and microscopic constituents of body fluids and the clinical significance of test results.
- MEDT 3200 CLINICAL MICROBIOLOGY LAB** 4-4-5  
 Prerequisite: Open to majors in Medical Technology  
 The relationship of bacteria, mycobacteria, spirochaetes, and mycoplasmas to human disease with an emphasis on the isolation and identification of pathogenic bacteria.
- MEDT 3300 CLINICAL HEMATOLOGY & HEMOSTASIS** 3-4-4  
 Prerequisite: Open to majors in Medical Technology  
 Qualitative and quantitative study of the formed elements of blood including the complete blood count, specialized test procedures, and the basic principles of hemostasis and blood coagulation.
- MEDT 3400 CLINICAL IMMUNOHEMATOLOGY** 2-3-3  
 Prerequisite: Open to majors in Medical Technology  
 Basic immunohematologic principles and their application to the preparation and administration of whole blood and blood components including the selection and processing of donors, cross matching procedures, and antibody identification.
- MEDT 3501 CLINICAL CHEMISTRY I** 3-2-4  
 Prerequisite: Open to majors in Medical Technology  
 Physiological principles, methodologies and clinical significance of biochemicals and elements found in body fluids.
- MEDT 3502 CLINICAL CHEMISTRY II** 2-0-2  
 Prerequisite: MEDT 3501  
 Advanced level topics in clinical chemistry.
- MEDT 3600 CLINICAL INSTRUMENTATION** 2-3-3  
 Prerequisite: Open to majors in Medical Technology, Permission of Instructor and/or Department  
 Principles and operation of medical laboratory instrumentation.
- MEDT 3700 CLINICAL IMMUNOSEROLOGY LAB** 2-2-3  
 Prerequisite: Open to majors in Medical Technology  
 Principles and procedures used in the isolation, identification, and quantifications of diagnostically significant antigens and antibodies.

<b>MEDT 3800 CLINICAL PARASITOLOGY</b>	<b>0-3-1</b>
Prerequisite: Open to majors in Medical Technology Pathogenesis, life cycles, and laboratory identification of human parasites.	
<b>MEDT 3900 CLINICAL MYCOLOGY AND VIROLOGY</b>	<b>2-2-3</b>
Prerequisite: Open to majors in Medical Technology Pathogenesis, isolation, and identification of clinically significant fungi and viruses.	
<b>MEDT 4000 DIRECTED STUDY</b>	<b>3-3-1</b>
Prerequisite: Permission of Instructor and/or Department Selected medical technology topics. Credit varies by topic. Offered on demand.	
<b>MEDT 4110 PHLEBOTOMY PRACTICUM</b>	<b>0-V-1</b>
Prerequisite: Open to majors in Medical Technology, Permission of Instructor and/or Department Structured clinical laboratory experience in phlebotomy.	
<b>MEDT 4210 CLINICAL MICROBIOLOGY PRACTICUM</b>	<b>0-V-2</b>
Prerequisite: MEDT 3200, MEDT 3800, MEDT 3900 Structured clinical laboratory experiences in microbiology, parasitology, and mycology.	
<b>MEDT 4310 CLINICAL HEMATOLOGY PRACTICUM</b>	<b>0-V-2</b>
Prerequisite: MEDT 3300 Structured clinical laboratory experience in hematology and hemostasis.	
<b>MEDT 4410 CLINICAL IMMUNOHEMATOLOGY PRACTICUM</b>	<b>0-V-2</b>
Prerequisite: MEDT 3400 Structured clinical laboratory experience in transfusion medicine.	
<b>MEDT 4510 CLINICAL CHEMISTRY PRACTICUM</b>	<b>0-V-2</b>
Prerequisite: MEDT 3501, MEDT 3502 Structured clinical laboratory experience in automated and special chemistry.	
<b>MEDT 4600 SENIOR SEMINAR</b>	<b>3-0-3</b>
Prerequisite: HLPR 2000, MEDT 4110, 4210, 4310, 4410, 4510, 4610, 4710, 4810 Advanced level topics in clinical laboratory science, emphasizing analysis and presentation of multi-disciplinary case studies.	
<b>MEDT 4610 URINALYSIS PRACTICUM</b>	<b>0-V-1</b>
Prerequisite: MEDT 3100 Structured clinical laboratory experience in urinalysis.	
<b>MEDT 4710 CLINICAL IMMUNOSEROLOGY PRACTICUM</b>	<b>0-V-1</b>
Prerequisite: MEDT 3700 Structured clinical laboratory experience in serology.	
<b>MEDT 4810 SPECIAL TOPICS PRACTICUM</b>	<b>0-V-1</b>
Prerequisite: MEDT 3100, 3200, 3300, 3400, 3501, 3502, 3600, 3700, 3800, 3900 Structured experiences in alternate clinical sites. Settings may include doctors, reference, and clinic laboratories.	
<b>MEDT 4900 LABORATORY MANAGEMENT AND EDUCATION</b>	<b>3-0-3</b>
Prerequisite or Corequisite: MEDT 4110, 4210, 4310, 4410, 4510, 4610, 4710, 4810 Fundamental concepts of laboratory management, operation, finance, managerial leadership, personnel administration, and educational principles for laboratory scientists.	

**(METR) – Meteorology**

**METR 3100 INTRODUCTION TO METEOROLOGY** 3-0-3

Prerequisite: 6 sem hrs of science

Introduction to the description of the state of the atmosphere and the physical laws that describe the atmosphere phenomena.

**(MGSE) – Middle Grades/Secondary Education**

**MGSE 2150 ADOLESCENT GROWTH AND DEVELOPMENT** 3-3-3

Prerequisite: Orientation to Teaching Module, CEUG 1010

Developmental processes from onset of puberty to adulthood including directed observation.

**MGSE 3060 CURRICULUM AND METHODS (4-8)** 3-4-3

Prerequisite: Orientation to Teaching Module

Prerequisite or Corequisite: MGSE 2150

Development of curricula and selection of instructional strategies and materials appropriate for 4-8 level.

**MGSE 3071 LANGUAGE ARTS THEORY & PRACTICE** 3-2-3

Methods, content, and materials focusing on literature and the communicative arts for adolescence including directed field experiences.

**MGSE 3080 STUDENT & PROGRAM EVALUATION** 3-2-3

Standardized tests, evaluation methods, and best practices utilizing existing content and pedagogical software, internet resources, and technical writing including field based research.

**MGSE 3100 MIDDLE SCHOOL THEORY AND PRACTICE** 3-6-3

Prerequisite: Admission to Teacher Education

History and purpose of middle school; characteristics of middle school learner, role of middle school teacher and appropriate programs and methods including directed field experiences.

**MGSE 3351 SECONDARY SCHOOL CURRICULUM AND METHODS, GENERAL** 3-6-3

Prerequisite: Admission to Teacher Education, CEUG 1010

Systematic observation, analysis of critical incidents, and examination of instructional models. Directed field experience include two hours per day, M-F.

**MGSE 4090 CLASSROOM MANAGEMENT** 3-8-3

Prerequisite: Admission to Teacher Education

Research knowledge base to create a well managed classroom and guide the behavior of middle grade children including field based placement.

**MGSE 4100 STUDENT TEACHING & SEMINAR** 2-0-6

Prerequisite: Admission to Teacher Education

Corequisite: MGSE 4110

Opportunities to use the knowledge and skills in a supervised 4-5 public school setting.

**MGSE 4110 STUDENT TEACHING & SEMINAR II** 2-0-6

Prerequisite: Admission to Teacher Education

Corequisite: MGSE 4100

Opportunities to use the knowledge and skills in a supervised 6-8 public school setting.

- MGSE 4180 YOUNG ADULT LITERATURE** 3-0-3  
Prerequisite: Admission to Teacher Education  
Studies significant literature and multimedia literary offerings appropriate for young adults.
- MGSE 4280 TEACHING LITERACY THROUGH READING IN THE CONTENT AREAS** 3-4-3  
Prerequisite: Admission to Teacher Education, MGSE 3071  
Study of teaching literacy through reading in the content areas for adolescents. Directed field experiences.
- MGSE 4340 PHYSICAL SCIENCE THEORY AND PRACTICE (4-8)** 3-2-3  
Prerequisite: Admission to Teacher Education  
Interpretation of physical science for middle grades with emphasis upon discovery process and other science teaching strategies.
- MGSE 4342 SOCIAL STUDIES THEORY AND PRACTICE (4-8)** 3-2-3  
Prerequisite: Admission to Teacher Education  
Selected themes, problems, concepts, and organization of instruction for social studies skills and processes needed by middle grades learners.
- MGSE 4350 LIFE SCIENCE THEORY AND PRACTICE (4-8)** 3-2-3  
Prerequisite: Admission to Teacher Education  
Interpretation of life science for middle grades with emphasis upon discovery process and other science teaching strategies.
- MGSE 4392 SECONDARY SCHOOL CURRICULUM AND METHODS, ENGLISH** 3-4-3  
Prerequisite: Admission to Teacher Education, CEUG 1010, MGSE 3351  
Middle and secondary school English curriculum with emphasis upon materials and methods including field experience.
- MGSE 4412 SECONDARY SCHOOL CURRICULUM AND METHODS, MATHEMATICS** 3-4-3  
Prerequisite: Admission to Teacher Education, CEUG 1010, MGSE 3351  
Materials and methods of teaching middle and secondary school mathematics including field experiences.
- MGSE 4442 CURRICULUM AND METHODS OF FOREIGN LANGUAGE EDUCATION** 3-3-3  
Prerequisite: Admission to Teacher Education, MGSE 3351  
Middle and secondary school theory, methods, and materials appropriate for second language acquisition.
- MGSE 4472 SECONDARY SCHOOL CURRICULUM AND METHODS, SCIENCE** 3-4-3  
Prerequisite: Admission to Teacher Education, MGSE 3351, CEUG 1010  
Middle and secondary school science curriculum with emphasis upon materials and methods including field experiences.
- MGSE 4492 SECONDARY SCHOOL CURRICULUM AND METHODS, SOCIAL SCIENCE** 3-4-3  
Prerequisite: Admission to Teacher Education, CEUG 1010, MGSE 3351  
Materials and methods of teaching middle and secondary school social studies including field experiences.

- MGSE 4630 CLASSROOM MANAGEMENT** 3-8-3  
 Prerequisite: Admission to Teacher Education  
 Provides research knowledge base to create a well managed classroom and guide the behavior of middle and secondary students. Field based placement.
- MGSE 4750 STUDENT TEACHING & SEMINAR** 2-V-(9-12)  
 Prerequisite: Admission to Teacher Education  
 Opportunities to use the knowledge and skills in a supervised 7-12 public school setting.
- MGSE 4811 INTERNSHIP I** 0-V-6  
 Prerequisite: Permission of Instructor and/or Department  
 Supervision for one semester by college staff for students who hold teaching positions in school and/or clinical settings.
- MGSE 4812 INTERNSHIP II** 0-V-6  
 Prerequisite: Permission of Instructor and/or Department, MGSE 4811  
 Supervision for one semester by college staff for students who hold teaching positions in school and/or clinical settings.
- (MUSC) – Music**
- MUSC 1000 RECITAL ATTENDANCE** 0-2-0  
 Attendance at a designated number of concerts and recitals each semester.
- MUSC 1100 MUSIC APPRECIATION** 3-0-3  
 Understanding of music by analysis of style, form, and media of music expression.
- MUSC 1110 BASIC MUSIC THEORY** 3-0-3  
 Elements of music theory. Functions as preparation for MUSC1111 for music majors who have not passed the music theory entrance exam. May not be used for credit towards a music degree.
- MUSC 1111 ELEMENTARY MUSIC THEORY I** 2-2-2  
 Prerequisite: MUSC 1100  
 Corequisite: MUSC 1132  
 Basic theoretical principle of music, including analysis, sightsinging and ear training. Prerequisites may be waived by examination.
- MUSC 1112 ELEMENTARY MUSIC THEORY II** 2-2-2  
 Prerequisite: MUSC 1111  
 Corequisite: MUSC 1132  
 A continuation of MUSC 1111 with emphasis on part writing of diatonic material up through seventh chords.
- MUSC 1130 INTRODUCTION TO KEYBOARD HARMONY** 0-2-1  
 Prerequisite: Permission of Instructor and/or Department  
 Corequisite: MUSC 1111  
 Keyboard techniques which reinforce theoretical concepts covered in MUSC1111, including those skills needed to fulfill the piano proficiency exam.
- MUSC 1270 WORLD ART AND MUSIC** 3-0-3  
 Comparison of traditional art and music from a variety of world cultures. Emphasis on art and music's role, media and techniques, and the inherent personal expression of various artists and composers.

- MUSC 1300 APPLIED MUSIC** 0-1-1  
 Prerequisite: Permission of Instructor and/or Department  
 Offered primarily for music majors, with a limited number of non-majors accepted when schedules permit. Students must pass a qualifying audition. Consists of one 25 minute private lesson per week; additionally all students enrolled in applied music are required to participate in weekly performance classes. Applicable to music degree only for secondary applied credit. May be repeated for credit.
- MUSC 1400 APPLIED MUSIC** 0-2-2  
 Prerequisite: Permission of Instructor and/or Department  
 Offered for music majors. Students must pass a qualifying audition. Consists of one 50 minute lesson or two 25 minute lessons per week; additionally all students enrolled in applied music are required to participate in weekly performance classes in their major area and to attend recitals and concerts. May be repeated for credit.
- MUSC 2000 MUSIC APPRECIATION** 3-0-3  
 Understanding of music by analysis of style, forms, and media of music expression.
- MUSC 2010 UNDERSTANDING JAZZ** 2-0-2  
 Non-technical survey of important jazz performers and styles.
- MUSC 2111 INTERMEDIATE THEORY I** 2-2-2  
 Prerequisite: MUSC 1112  
 Corequisite: MUSC 2131  
 Continuation of MUSC 1112 with an emphasis on chromatic harmony and the introduction of binary and ternary formal structures.
- MUSC 2112 INTERMEDIATE THEORY II** 2-2-2  
 Prerequisite: MUSC 2111  
 Corequisite: MUSC 2132  
 Continuation of MUSC 2111 with an emphasis on harmonic practices of the late 19th and 20th centuries, including triads of higher tertian relationships, synthetic scalar materials, atonality, and twelve-tone technique.
- MUSC 2130 ADVANCED KEYBOARD HARMONY** 0-2-1  
 Prerequisite: MUSC 1132  
 Corequisite: MUSC 2111  
 Keyboard techniques which reinforce theoretical concepts covered in MUSC 2111, including those skills needed to fulfill the piano proficiency exam. Must be completed with a grade of "C" or higher in order to continue in the Theory/Keyboard Harmony sequence.
- MUSC 2171 LYRIC DICTION I** 2-0-2  
 Prerequisite: Permission of Instructor and/or Department  
 International Phonetic Alphabet and the phonetics of standard American English and Italian for singing.
- MUSC 2172 LYRIC DICTION II** 2-0-2  
 Prerequisite: MUSC 2171  
 Orientation of the phonetics of liturgical Latin, German and French for singing by means of the International Phonetic Alphabet.
- MUSC 2201 JAZZ IMPROVISATION I** 0-2-1  
 Prerequisite: MUSC 1112  
 Improvisation through study of scales, chords, melodic concepts, ear training and analysis.



- MUSC 2202 JAZZ IMPROVISATION II** 0-2-1  
Prerequisite: MUSC 2201  
Continuation of MUSC 2201.
- MUSC 2240 CLASS GUITAR** 0-2-1  
Prerequisite: Permission of Instructor and/or Department  
Basic skills for guitar accompaniment of folk songs and popular music.
- MUSC 2270 CLASS VOICE** 0-2-1  
Vocal technique with practical application standard song literature. Applicable to a music degree only for secondary applied credit. May be repeated for credit. Ability to read music required.
- MUSC 2280 CLASS PIANO NON-MUSIC MAJORS** 0-2-1  
Prerequisite: Permission of Instructor and/or Department  
Keyboard literature and techniques at the beginning and elementary levels. May be repeated for credit.
- MUSC 2360 BRASS METHODS** 0-2-1  
Prerequisite: Open to majors in Music  
Principles of brass instrument performance and pedagogy.
- MUSC 2370 WOODWIND METHODS** 0-2-1  
Prerequisite: Open to majors in Music  
Principles of woodwind performance and pedagogy.
- MUSC 2380 PERCUSSION METHODS** 0-2-1  
Prerequisite: Open to majors in Music  
Principles of percussion instrument performance and pedagogy.
- MUSC 2390 STRING AND GUITAR METHODS** 0-2-1  
Prerequisite: Open to majors in Music  
Principles of string & guitar performance and pedagogy.
- MUSC 2400 APPLIED MUSIC** 0-2-2  
Prerequisite: Permission of Instructor and/or Department, MUSC 1400  
Offered for music majors only. Students must pass a qualifying audition. Consists of one 50 minute lesson or two 25 minute lessons per week; additionally, all students enrolled in applied music are required to participate in weekly performance classes in their major area and to attend recitals and concerts. May be repeated for credit.
- MUSC 2500 PEP BAND** 0-2-1  
Group to provide spirit music at school athletic functions. May be taken for a credit a maximum of four times. Open to qualified students.
- MUSC 2510 CONCERT BAND** 0-2-1  
Group which rehearses and performs standard literature for symphonic band. Open to qualified students.
- MUSC 2520 JAZZ ENSEMBLE** 0-2-1  
Prerequisite: Permission of Instructor and/or Department  
Repertoire selected from a variety of jazz periods & styles. Public performances required.
- MUSC 2530 ARMSTRONG SINGERS** 0-2-1  
Corequisite: MUSC 2540  
Repertoire selected from vocal chamber literature including classic literature and vocal jazz. Public performances each term. Membership open to all students by audition.

- MUSC 2540 CONCERT CHOIR** 0-3-1  
Repertoire selected from standard choral concert literature. Public performances each semester. Membership open to all students. Ability to read music desired, but not required.
- MUSC 2550 CHAMBER ENSEMBLE** 0-2-1  
Open to all qualified students in the performance media of brass, woodwind, strings, keyboard, and percussion.
- MUSC 2560 WIND ENSEMBLE** 0-3-1  
Prerequisite: Permission of Instructor and/or Department  
Repertoire selection from standard wind ensemble literature. Public performances required.
- MUSC 2580 KEYBOARD ACCOMPANYING** 1-1-2  
Prerequisite: Open to majors in Music  
Basic principles of accompaniment for vocal and instrumental solo and chamber music.
- MUSC 2590 ORATORIO CHORUS** 0-2-1  
Repertoire from standard choral literature and larger works. Public performances each semester. Evening rehearsals.
- MUSC 2810 CONDUCTING** 2-0-2  
Prerequisite: Open to majors in Music, MUSC 1112  
Conducting techniques and interpretation.
- MUSC 3120 FORM AND ANALYSIS** 2-0-2  
Prerequisite: Open to majors in Music, MUSC 2112  
Principles of form in music, including imitative techniques and forms, and techniques of harmonic analysis.
- MUSC 3200 MUSIC FOR THE ELEMENTARY TEACHER** 3-0-3  
Materials and methods for teaching general music in the elementary classroom. Not open to music majors.
- MUSC 3300 MUSIC TEACHING IN THE LOWER SCHOOLS I** 2-0-2  
Prerequisite: Open to majors in Music  
Analysis and evaluation of pedagogical approaches and materials for teaching general and vocal music in the lower school (K-12). Includes teaching produce.
- MUSC 3310 MUSIC TEACHING IN THE MIDDLE AND HIGH SCHOOL** 2-0-2  
Prerequisite: Open to majors in Music  
Analysis and evaluation of pedagogical approaches and materials for teaching general music in the middle and high schools. Includes history of music education, design of curriculum and lesson planning, and teaching practice.
- MUSC 3320 MUSIC TEACHING THE LOWER SCHOOL II** 2-0-2  
Prerequisite: MUSC 3300  
Continuation of MUSC 3310 with emphasis on the Orff, Kodaly, and DBME strategies in teaching elementary music. Includes teaching practice.
- MUSC 3330 BAND METHODS** 2-1-2  
Organization and development of school band ensembles and problems of teaching instrumental music. Includes a laboratory experience which stimulates ensemble rehearsals.

- MUSC 3340 CHORAL AND GENERAL MUSIC METHODS IN SECONDARY SCHOOLS** 2-1-2  
 Prerequisite: MUSC 2810 and one of MUSC 2360, 2370 or 2380  
 Development of skills in teaching general music and organizing, teaching, and conducting choral music in secondary schools. Includes a laboratory experience which provides opportunities for students to teach general music lessons and conduct ensemble rehearsals.
- MUSC 3400 APPLIED MUSIC** 0-2-2  
 Prerequisite: Permission of Instructor and/or Department  
 Offered for music majors only. Consists of one 50 minute lesson or two 25 minute lessons per week; additionally, all students enrolled in applied music are required to participate in weekly performance classes in their major area and to attend recitals and concerts. May be repeated for credit. Must have passed Rising Junior Exam.
- MUSC 3510 CONCERT BAND** 0-2-1  
 Prerequisite: Four semesters of MUSC 2510  
 Rehearsals and performances of standard literature for symphonic band.
- MUSC 3520 JAZZ ENSEMBLE** 0-2-1  
 Prerequisite: Four semesters of MUSC 2360  
 Repertoire selected from vocal chamber literature including classic literature and vocal jazz. Public performances each term. Membership open to all students by audition.
- MUSC 3530 ARMSTRONG SINGERS** 0-2-1  
 Prerequisite: Four semesters of MUSC 2360  
 Repertoire selected from vocal chamber literature including classic literature and vocal jazz. Public performances each term. Membership open to all students by audition.
- MUSC 3540 CONCERT CHOIR** 0-3-1  
 Prerequisite: Four semesters of MUSC 2540  
 Repertoire selected from standard choral concert literature. Public performances each term.
- MUSC 3550 CHAMBER ENSEMBLE** 0-2-1  
 Prerequisite: Four semesters of MUSC 2550  
 Open to all qualified students in the performance media of brass, woodwind, strings, keyboard, and percussion.
- MUSC 3560 WIND ENSEMBLE** 0-3-1  
 Prerequisite: Four semesters of MUSC 2560  
 Repertoire selection from the standard wind ensemble literature. Public performances required.
- MUSC 3610 ORCHESTRATION & ARRANGING** 2-0-2  
 Prerequisite: Open to majors in Music, MUSC 2112  
 Techniques of orchestration; arranging for instrumental and choral groups.
- MUSC 3710 MUSIC HISTORY I** 3-0-3  
 Prerequisite: MUSC 1112, MUSC 2000  
 History of music in Western civilization from origin to end of Baroque era.
- MUSC 3720 MUSIC HISTORY II** 3-0-3  
 Prerequisite: MUSC 1112, MUSC 2000  
 History of music in Western civilization from Classical Era to present; influence of World Music.

- MUSC 4110 COMPOSITION** V-V-V  
Prerequisite: Open to majors in Music, MUSC 1212  
Musical composition. May be repeated for credit.
- MUSC 4120 COUNTERPOINT** 2-0-2  
Prerequisite: Open to majors in Music, MUSC 1212  
Contrapuntal practices of 18th century music.
- MUSC 4160 TOPICS IN INSTRUMENTAL REPERTOIRE AND PEDAGOGICAL TECHNIQUES** 2-0-2  
Prerequisite: Permission of Instructor and/or Department  
Open to Juniors or above. Instrumental literature and teaching techniques from brass, guitar, percussion or woodwind instruments. May be repeated for credit as topics vary.
- MUSC 4200 PIANO LITERATURE I** 2-0-2  
Historical, stylistic, formal and aesthetic features of piano literature of the Baroque and Classical periods.
- MUSC 4210 PIANO LITERATURE II** 2-0-2  
Historical, stylistic, formal, and aesthetic features of piano literature of the Romantic and Contemporary periods.
- MUSC 4230 CHORAL REPERTOIRE** 0-2-1  
Prerequisite: MUSC 2810  
Literature and related performance practice for school choral ensembles. Includes a laboratory experience which provide opportunities for students to teach the literature and apply performance-practice concepts in ensemble rehearsals.
- MUSC 4240 BAND REPERTOIRE** 2-1-2  
Prerequisite: MUSC 2810  
Literature and performance practice for school instrumental ensembles. Includes a laboratory situation to simulate an ensemble setting.
- MUSC 4250 PIANO PEDAGOGY** 2-0-2  
Prerequisite: Open to majors in Music  
Historical overview of pedagogical techniques of the piano and a survey of literature suited for teaching purposes.
- MUSC 4270 VOCAL PEDAGOGY** 2-0-2  
Prerequisite: Permission of Instructor and/or Department  
Pedagogical techniques of the voice and a survey of literature suited for teaching purposes. Successful completion of the Rising Junior Voice Exam required.
- MUSC 4280 MARCHING BAND TECHNIQUES** 2-0-2  
Prerequisite: MUSC 2810  
Organization and development of a school marching band, including drill writing, scoring and rehearsal techniques.
- MUSC 4290 ART SONG** 2-0-2  
Prerequisite: MUSC 2000  
Historical, stylistic, formal and aesthetic characteristics of the art song from its origins to the present day.
- MUSC 4320 SYMPHONIC MUSIC LITERATURE** 2-0-2  
Prerequisite: MUSC 2000  
Historical, stylistic, formal and aesthetic features of symphonic music.

- MUSC 4400 APPLIED MUSIC** 0-2-2  
Prerequisite: Permission of Instructor and/or Department, MUSC 3400  
Offered for music majors only. Consists of one 50 minute lesson or two 25 minute lessons per week; additionally, all students enrolled in applied music are required to participate in weekly performance classes in their major area and to attend recitals and concerts. May be repeated for credit.
- MUSC 4800 ADVANCED CHORAL CONDUCTING** 2-1-2  
Prerequisite: MUSC 2810, MUSC 3120, MUSC 3610  
Advanced techniques in choral conducting. Includes a laboratory experience which provide opportunities for students to conduct ensemble rehearsals. Successful completion of Piano Proficiency Exam required.
- MUSC 4810 ADVANCED INSTRUMENTAL CONDUCTING** 2-1-2  
Prerequisite: Open to majors in Music, MUSC 2810, MUSC 3120, MUSC 3610  
Advanced techniques for the instrumental conductor.
- MUSC 4890 SELECTED STUDIES IN MUSIC** V-V-(1-5)  
Prerequisite: Permission of Instructor and/or Department  
Varied course offerings designed to meet special institutional and community needs. May be repeated for credit.
- MUSC 4900 DIRECTED INDIVIDUAL STUDY** V-V-(1-5)  
Prerequisite: Open to majors in Music, Permission of Instructor and/or Department  
Supervised individual research or study.
- MUSC 4910 INTERNSHIP** V-V-(1-5)  
Prerequisite: Open to majors in Music, Permission of Instructor and/or Department  
Supervised individually designed course project involving off-campus study, work, and/or research. Projects are under the joint supervision of the sponsoring institution and the faculty supervisor.
- (NURS) – Nursing**
- NURS 2241 NURSING AND HEALTH PROMOTION I** 3-0-3  
Prerequisite: Permission of Instructor and/or Department  
Theoretical concepts that provide the foundation for professional nursing along with an introduction to health promotion. Must have completed Area F Core.
- NURS 2260 HEALTH POLICY IN NURSING PRACTICE** 1-0-1  
Prerequisite or Corequisite: HIST 1100, POLS 1100, NURS 2241, HLPR 2000  
Introduction to the health policy process as a therapeutic nursing intervention.
- NURS 3000 PROFESSIONAL ROLE TRANSITIONS: SOCIALIZATION** 4-0-4  
Socialization process through development of a conceptual and philosophical basis for professional and advanced nursing practice.
- NURS 3150 PROFESSIONAL ROLE TRANSITIONS: COMMUNICATION** 2-3-3  
Effective oral and written communication skills utilizing multimedia and technologic resources.
- NURS 3242 NURSING & HEALTH PROMOTION II** 2-3-3  
Prerequisite: NURS 2241, HLPR 1200, NURS 2260  
Promotion of psycho-social health using communication strategies and interpersonal skills to provide a basis for therapeutic nursing interventions.

- NURS 3300 HEALTH ASSESSMENT FOR THE PROMOTION OF WELLNESS** 2-3-3  
Comprehensive health assessment of individuals using didactic and laboratory activities.
- NURS 3301 NURSING SKILLS I** 0-3-1  
Prerequisite: Permission of Instructor and /or Department, NURS 2241, HLPR 1200  
Corequisite: NURS 3320  
Therapeutic nursing interventions to achieve selected outcomes using a modular approach to promote self directed and active learning.
- NURS 3302 NURSING SKILLS II** 0-3-1  
Prerequisite: NURS 3301  
Application of surgical asepsis and nursing care of the client and family in the perioperative setting.
- NURS 3310 NURSING AND HEALTH PROMOTION THROUGHOUT THE LIFESPAN** 3-3-4  
Therapeutic nursing interventions to promote health and prevent illness of individuals throughout the life cycle.
- NURS 3320 HEALTH ASSESSMENT OF THE WELL INDIVIDUAL** 2-3-3  
Prerequisite: Permission of Instructor and /or Department, NURS 2241  
Corequisite: NURS 3242  
Application of techniques to assess the well individual in which variations and risk factors related to age, gender, and ethnic origin will be explored.
- NURS 3330 LEADERSHIP IN NURSING CARE** 1-3-2  
Prerequisite: NURS 3242  
Leadership role of the professional nurse in the management of health care.
- NURS 3340 FAMILY HEALTH PROMOTION** 2-3-3  
Prerequisite or Corequisite: NURS 3320, NURS 3242  
Corequisite: NURS 3340L  
Theory based therapeutic nursing interventions for family health promotion.
- NURS 3350 HEALTH PROMOTION OF WOMEN AND CHILDREN** 4-6-6  
Prerequisite or Corequisite: NURS 3360  
Prerequisite: NURS 3330, NURS 3340, NURS 3301  
Therapeutic nursing interventions to promote health and prevent illness of women and children.
- NURS 3360 HEALTH MAINTENANCE & REHABILITATION** 4-9-7  
Prerequisite: NURS 3340, NURS 3330  
Corequisite: NURS 3302  
Critical thinking and use of therapeutic nursing interventions with clients experiencing chronic health problems emphasizing continuity of care between, home, community and extended care settings.
- NURS 3450 HEALTH CARE AND FAMILIES** 2-3-3  
Prerequisite: NURS 3310  
Corequisite: NURS 3150  
Therapeutic nursing interventions for family health promotion utilizing home visit experience, nursing case management and community resources.

- NURS 3550 PATHOPHYSIOLOGY** 3-0-3  
Prerequisite: BIOL 2081, BIOL 2082  
Physiologic changes and responses that produce signs and symptoms and the body's adaptive mechanisms to provide a rationale for preventive and therapeutic nursing interventions.
- NURS 4420 NURSING AND HEALTH RESTORATION** 5-12-9  
Prerequisite or Corequisite: NURS 2250, HLPR 2250  
Health restoration of clients experiencing acute health problems.
- NURS 4430 HEALTH RESTORATION IN MENTAL HEALTH** 2-3-3  
Prerequisite or Corequisite: HLPR 2550  
Health restoration of clients with disruptions in mental health.
- NURS 4440 POPULATION FOCUSED NURSING** 2-9-5  
Prerequisite: NURS 4430, NURS 4420  
Functioning as a beginning practitioner in population focused nursing care.
- NURS 4450 PROFESSIONAL NURSING PRACTICUM** 2-9-5  
Prerequisite: NURS 4420, NURS 4430  
Leadership role of the professional nurse in selected clinical settings.
- NURS 4460 PROFESSIONAL NURSING SEMINAR** 2-0-2  
Prerequisite: Permission of Instructor and/or Department  
Prerequisite or Corequisite: NURS 4200, NURS 4440, NURS 4450  
Exploration of nursing trends and issues.
- NURS 4470 NURSING & POPULATION FOCUSED PRACTICE** 2-9-5  
The registered nurse learner as a beginning practitioner of population focused nursing practice.
- NURS 4480 PROFESSIONAL NURSING PRACTICUM** 2-9-5  
The study of the leadership role of the professional nurse. Emphasis is placed on current trends and issues which influence change in nursing practice.
- NURS 4490 TOPICS IN PROFESSIONAL NURSING** V-V-(1-2)  
The student, in consultation with the professor, selects a topic and submits a proposal for supervised independent study.

### **(OCEA) – Oceanography**

- OCEA 3100 INTRODUCTION TO OCEANOGRAPHY** 3-0-3  
Prerequisite: 6 sem hrs of science  
Basic principles of oceanography. The distribution of water over the earth, nature and relief of the ocean floors, tides and currents, chemical properties of sea water and constituents, and application of oceanographic research.

### **(PBHS) – Public History**

- PBHS 3800 INTRODUCTION TO PUBLIC HISTORY** 3-0-3  
An introduction to the basic historiographic and anthropological approaches used in public history and a survey of the different disciplines such as archaeology, architecture, folklife, decorative arts, museum studies, and preservation which comprise public history.
- PBHS 3820 INTRODUCTION TO ARCHAEOLOGY** 3-0-3  
Survey of the field of archaeology using cross-cultural examples. Focus on history, basic techniques, concepts, theories, and types of research.

- PBHS 4871 INDEPENDENT STUDY IN PUBLIC HISTORY** 3-0-3  
Available only by special arrangement with the department, made in advance. Ask in the History Department for specific information.
- PBHS 4872 INDEPENDENT STUDY IN PUBLIC HISTORY** 3-0-3  
Available only by special arrangement with the department, made in advance. Ask in the History Department for specific information.
- PBHS 4980 INTERNSHIP IN PUBLIC HISTORY** V-V-(1-3)  
Prerequisite: HIST 4500  
Off-campus study and research in an appropriate public or private agency or business. Supervision by the sponsoring organization and the academic instructor. May be repeated for credit. When graded on an S/U basis, credit only among electives. Must have at least nine additional hours of PBHS or PBHS cross-listed courses (with a minimum GPA of 3.0); an overall GPA of 2.5 (after completion of 72 semester hours; and an approved application.
- PBHS 5700U AMERICAN MATERIAL CULTURE** 2-1-3  
Prerequisite: Permission of Instructor and/or Department  
Introduction to the study of North American and Caribbean culture, ordinarily focused on the 18th and 19th century. Architecture, cemeteries, landscape, dress, music, art, foodways, status, gender, and ethnic identifiers may provide examples.
- PBHS 5720U HISTORICAL ARCHAEOLOGY** 3-0-3  
Prerequisite: HIST 3820, PBHS 3820, ANTH 3820  
The historical archaeology of the New World from the first arrival of Europeans and Africans to ca.1800. Attention focused on the South and the Caribbean, but other frontier contexts may also be included. Emphasis given to anthropological archaeology as a perspective for the writing of history and as a sub-field within public history.
- PBHS 5730U FIELDWORK IN HISTORICAL ARCHAEOLOGY** 0-12-6  
Prerequisite: HIST 3820, PBHS 3820, ANTH 3820  
Application of archaeological methods to a specific field project. Excavation techniques, surveying and map-making, data collecting and recording, and the interpretation of archaeological data. May be repeated for credit.
- PBHS 5740U PRACTICUM IN ARCHAEOLOGY** V-V-3  
Prerequisite: HIST 3800, ANTH 3800  
Application of analytical techniques to a specific research problem. Individual research requiring artifact analysis, techniques from anthropological history, use of computer technologies, curation or conservation of archaeological data. May be repeated as topics vary.
- PBHS 5750U FOLKLIFE** 2-2-3  
Prerequisite: ANTH 1101  
The study of the creation and persistence of tradition in societies and of the process of change as demonstrated in such aspects as narrative, music, song, celebration, festival, belief, and material culture. Emphasis on understanding the multi-ethnic nature of the traditions in American life.
- PBHS 5770U ORAL HISTORY** 1-4-3  
Prerequisite: HIST 4500  
The study of how to prepare and conduct oral history interviews, how to transcribe, log, and index oral history recordings, and how to use oral history collections in writing research papers.



**PBHS 5800U AMERICAN ARTS IN HISTORICAL PERSPECTIVE** 3-0-3  
Survey of American visual arts including painting, sculpture, architecture, and the decorative arts. Examines artistic material culture as art and as a means to critical understanding of American life.

**PBHS 5810U TOPICS IN ARCHITECTURAL HISTORY** 2-0-3  
Study of selected topics in Architectural History, including various styles of architecture (Georgian, Federal, Eclecticism, and Modern), and vernacular architecture. Recording techniques, research strategies, theoretical approaches, landscape architecture, field trips, and visiting lecturers. May be repeated as topics vary.

**PBHS 5830U HISTORIC PRESERVATION** 3-0-3  
Examination of the field including values, principles, development of planning and organization for preservation; preservation law, economics, and politics. Recommend completion of HIST4500.

**PBHS 5850U MUSEUM STUDIES** 2-2-3  
Development of museums in the United States and of the ethics and practices of the museum profession, to include collections management, planning, outreach, and public education.

**PBHS 5870U HERITAGE TOURISM** 3-0-3  
History of tourism, with emphasis on heritage and tourism, and of the function and impact of tourism on guest and host societies. Aspects of the modern tourist industry and its products, such as promotional and travel literature, accommodations and transport, and tourist arts also investigated.

**PBHS 5890U TOPICS IN PUBLIC HISTORY** V-V-3  
Special topic in the field of Public History defined by the instructor. May be taught as a colloquium or seminar.

### **(PEAT) – PE–Athletic Training**

**PEAT 2100 PREVENTION AND CARE OF SPORT INJURIES** 2-1-2  
Foundations of assessment, evaluation, theory and practice of prevention, treatment and care of sports related injuries. Provides student with American Red Cross CPR and Safety first aid certification. ARC Safety, First Aid, and CPR certification and fee required.

**PEAT 3450 EVALUATION AND TREATMENT OF LOWER BODY INJURIES** 3-0-3  
Prerequisite: PEAT 2100  
Injury assessment procedures for the lumbar spine, and lower extremities.

**PEAT 3460 EVAL AND TREATMENT OF UPPER BODY INJURIES** 3-0-3  
Injury assessment procedures for the vertebral column, abdomen and thorax.

**PEAT 4050 THERAPEUTIC MODALITIES AND REHABILITATION** 3-0-3  
Prerequisite: PEAT 3450, PEAT 3460  
Physical basis and physiological effects of agents and modalities used in the treatment of athletic injuries. Emphasis on the principles of rehabilitation.

**PEAT 4400 PLANNING AND MANAGEMENT OF ATHLETIC TRAINING PROGRAM AND FACILITY** 3-0-3  
Prerequisite: PEAT 3450, PEAT 3460  
Organizational and administrative components of an athletic training program pertaining to facility design, health care, financial management, training room management, and public relations.

**PEAT 4480 SEMINAR IN ATHLETIC TRAINING** 3-0-3  
 Prerequisite: PEAT 3450, PEAT 3460  
 Selected topics in athletic training.

**PEAT 5350U FIELD EXPERIENCE IN ATHLETIC TRAINING – TRAINING ROOM** 0-6-3  
 Prerequisite: Permission of Instructor and/or Department, PEAT 2100, PEAT 3450, PEAT 3460  
 Management and operation of the AASU Training room.

**PEAT 5360U FIELD EXPERIENCE IN ATHLETIC TRAINING – LAB SCHOOL** 0-6-3  
 Prerequisite: Permission of Instructor and/or Department, PEAT 2100, PEAT 3450, PEAT 3460  
 Coverage of athletics at affiliated lab school.

**PEAT 5370U FIELD EXPERIENCE IN ATHLETIC TRAINING: CLINIC** 0-6-3  
 Development of skills and techniques of athletic training as associated with a sports medicine clinic.

### **(PEBC) – Physical Education Activities**

**PEBC 1000 BEGINNING WEIGHT TRAINING** 0-2-1  
 Mechanical principles and techniques necessary for the understanding of weight training programs.

**PEBC 1010 LIFETIME FITNESS TRAINING** 0-3-1  
 Basic fitness concepts and their application to everyday life. Participation in an individualized program of aerobic activity.

**PEBC 1020 AEROBIC DANCE** 0-3-1  
 A combination of exercise and dance steps to improve the cardiovascular system, and muscular endurance, strength, and flexibility.

**PEBC 1070 TEAM SPORTS** 0-2-1  
 Consists of two of the following sports: basketball, volleyball, soccer and softball.

**PEBC 1080 BOWLING** 0-2-1  
 Basic skills in bowling. Minimum of two games required per class period at student's expense. Must provide own transportation.

**PEBC 1090 ARCHERY** 0-2-1  
 Basic skills in archery for recreational use. Students must provide own arm and finger guards.

**PEBC 1100 TUMBLING AND STUNTS** 0-2-1  
 Fundamentals and practice in beginning tumbling and gymnastic apparatus.

**PEBC 1301 BASIC SWIMMING SKILLS** 0-3-1  
 Skills and strokes for the student unfamiliar with or afraid of the water and who cannot swim.

**PEBC 1302 INTERMEDIATE SWIMMING** 0-2-1  
 Six basic strokes, skills, endurance, and knowledge pertaining to safety in, on, or about water.

**PEBC 1350 BEGINNING SCUBA** 0-3-1  
 Beginning recreational scuba diving activities in local aquatic environments. Additional fee is required. Must provide own transportation.

<b>PEBC 1380 WATER AEROBICS &amp; EXERCISE</b>	<b>0-3-1</b>
Principles of cardiorespiratory fitness associated with aquatics and resistance training. No swimming skills required.	
<b>PEBC 1401 ELEMENTARY TENNIS</b>	<b>0-2-1</b>
Basic skills, rules, strategies, and practice for singles and doubles in tennis. Student must provide own racket and one can of new tennis balls.	
<b>PEBC 1402 INTERMEDIATE TENNIS</b>	<b>0-2-1</b>
Advanced techniques and knowledge of skills and strategy in tennis.	
<b>PEBC 1450 BADMINTON</b>	<b>0-2-1</b>
Basic skills, rules, strategies, and practice for singles and doubles.	
<b>PEBC 1501 BEGINNING MODERN DANCE</b>	<b>0-2-1</b>
Art of modern dance including technique, exercise, basic improvisation, dance positions, and locomotor movement.	
<b>PEBC 1502 INTERMEDIATE MODERN DANCE</b>	<b>0-2-1</b>
Continuation of Beginning Modern Dance with emphasis on dynamics, composition, and choreography.	
<b>PEBC 1551 BASIC BALLET</b>	<b>0-2-1</b>
A review of basic ballet steps, exercises and stretches. Emphasis on body placement and practice in using steps in combinations.	
<b>PEBC 1552 INTERMEDIATE BALLET</b>	<b>0-2-1</b>
Advanced techniques and knowledge; refinement of ballet skills.	
<b>PEBC 1580 JAZZ DANCING</b>	<b>0-2-1</b>
Modern, lyrical and hip hop forms of jazz, including fundamental techniques and choreography.	
<b>PEBC 1601 BEGINNING GOLF</b>	<b>0-2-1</b>
Basic techniques and instruction for the beginning golfer. Minimum of 9 holes of golf must be played outside of class at student's expense. Must provide 12 shag balls for class.	
<b>PEBC 1602 INTERMEDIATE GOLF</b>	<b>0-2-1</b>
Prerequisite: PEBC 1601 or permission of instructor Review and refinement of beginning skills, etiquette and strategies of golf. Must provide own transportation to off-campus site.	
<b>PEBC 2000 CONCEPTS OF FITNESS</b>	<b>2-1-3</b>
Theoretical knowledge and practical experience in the principles, assessment and development of fitness for living. Students will develop and implement personalized fitness programs.	

### **(PEEC) – Physical Education Elective**

<b>PEEC 2000 COMMUNITY FIRST AID AND CPR</b>	<b>3-0-2</b>
The American Red Cross advanced course in safety and first aid and adult, child and infant CPR. To receive a certification card, students must pay an administrative fee to the American Red Cross.	
<b>PEEC 2180 OFFICIATING TEAM SPORTS</b>	<b>2-2-2</b>
Rules, mechanics and ethics involved in officiating a variety of team sports activities. Students must provide own equipment appropriate to the sports and transportation for off-campus assignment.	

- PEEC 3120 COACHING FOOTBALL** 3-0-2  
Instruction and practice in fundamental skills and team play. Minimum of two games must be scouted at student's expense.
- PEEC 3130 COACHING BASKETBALL** 3-0-2  
Instruction and practice in fundamental skills and team play, emphasizing methods and drills used by leading coaches. Minimum of two games must be scouted at student's expense.
- PEEC 3140 COACHING BASEBALL AND SOFTBALL** 3-0-2  
Instruction and practice in fundamental skills and team play, emphasizing methods and drills used by leading coaches. Minimum of two games must be scouted at students expense.
- PEEC 3150 COACHING VOLLEYBALL AND SOCCER** 3-0-2  
Rules and fundamental skills of volleyball and soccer and individual development and application of successful coaching methods.
- PEEC 3200 HEALTH AND PHYSICAL EDUCATION FOR THE ELEMENTARY SCHOOL TEACHER** 3-0-3  
Prerequisite: Admission to Teacher Education  
Theory and current practice in the teaching of health and physical education at elementary school level including a directed field experience.
- PEEC 3330 LIFEGUARD TRAINING** 1-2-2  
Recognizing and responding to aquatic mishaps; pool health, sanitation, and management; spinal injury management; and CPR/PR.
- PEEC 3340 WATER SAFETY INSTRUCTOR** 2-2-2  
Methods of teaching Infant and Pre-School Aquatics, Whales Tales, the seven levels of "learn to swim program," as well as Community Water Safety, ICT and Safety Training for Swim Coaches. Must be at least 17 years old and have Level VI swim skills.
- PEEC 4130 SPECIAL TOPICS IN PHYSICAL EDUCATION** 3-0-3  
Prerequisite: Open to majors in Health and Physical Education  
Research methods in health and physical education.
- PEEC 5580 PHYSICAL ACTIVITY AND THE OLDER ADULT** 3-0-3  
The impact of fitness activities in the lives of older adults focusing upon the physiological benefits associated with leading an active life and their effects upon the quality and quantity of life.
- (PEHM) – Physical Education Health Major**
- PEHM 2281 HUMAN STRUCTURE AND FUNCTION I** 3-0-3  
Anatomy and physiology of the major body systems.
- PEHM 2282 HUMAN STRUCTURE AND FUNCTION II** 2-1-2  
Prerequisite: PEHM 2281  
Continuation of the study of the anatomical and physiological systems of the human body. Laboratory experiences for further exploration.
- PEHM 2283 KINESIOLOGY** 2-1-2  
Prerequisite: PEHM 2281  
Role of skeletal muscles in producing body movements through the application of the laws of mechanical physics.

- PEHM 2500 FOUNDATIONS OF PHYSICAL EDUCATION** 3-0-3  
Survey of historical foundations, inter-relationships of health and physical education and the development of current progressive programs including the uses and availability of technology.
- PEHM 2701 TEAM SPORT TECHNIQUES I** 3-0-3  
Analysis, demonstration, and application of basic skills and techniques necessary for instruction in flag/ touch football, soccer, and softball.
- PEHM 2702 TEAM SPORT TECHNIQUES II** 3-0-3  
Analysis, demonstration, and application of basic skills and techniques necessary for instruction in basketball, speedball, and volleyball.
- PEHM 2900 TECHNOLOGY IN HEALTH AND PHYSICAL EDUCATION** 1-2-2  
Examination of visual technology and computers including their applications to the teaching of health and physical education.
- PEHM 3000 CURRENT HEALTH EDUCATION ISSUES** 3-0-3  
Discussion of disease, wellness, stress management, nutrition, exercise, weight management, lifestyle and health consumer issues, and aging.
- PEHM 3050 THEORY & TECHNIQUES OF DANCE** 1-1-1  
History, background, teaching techniques, and evolution of the various forms of dance including square, folk, social, and modern.
- PEHM 3060 RECREATIONAL GAMES** 0-2-1  
Instruction in recreational games and activities in diverse settings and with diverse populations.
- PEHM 3070 AQUATICS** 1-1-2  
Instruction in the six basic swimming strokes, basic rescue and water safety information and practices, water sport activities, and water exercise principles and teaching techniques.
- PEHM 3080 OUTDOOR EDUCATION** 1-1-1  
Knowledge, attitudes, and skills for a wiser use of the outdoors and our natural resources.
- PEHM 3500 EXERCISE PHYSIOLOGY** 2-1-2  
Prerequisite: PEHM 2280, PEHM 2281  
Response of the major body organ systems to exercise with laboratory procedures in exercise physiology.
- PEHM 3700 INDIVIDUAL & DUAL SPORTS** 3-1-3  
Analysis, demonstration, and application of basic skills and techniques necessary for instruction in individual and dual sports.
- PEHM 3770 HEALTH AND HUMAN SEXUALITY EDUCATION** 3-0-3  
Health promotion strategies dealing with sexual behavior, sexually transmitted diseases, pregnancy, pregnancy prevention, and parenthood, Emphasis on interventions and curriculum materials available for teachers and health educators.
- PEHM 3780 SUBSTANCE ABUSE EDUCATION** 2-0-2  
Detailed background information on the categories of drugs, chemical misuse, abuse, prevention, treatment, along with curriculum and age-appropriate teaching strategies.

**PEHM 3800 SPORTS STRATEGIES AND METHODS** 2-1-2  
 Prerequisite: PEHM 2701, PEHM 2702, PEHM 3700  
 Strategies and instructional methods utilized in the teaching of individual, dual and team sports.

**PEHM 4050 SCHOOL HEALTH EDUCATION** 3-0-3  
 Analysis of the collaborative efforts of the school health services program, community health services and the comprehensive school health education curriculum to meet the needs of diverse school populations. Examination of growth and developmental characteristics of school aged children within a range of "norm" and its effect on a teacher's ability to teach effectively.

**PEHM 4200 ASSESSMENT IN HEALTH AND PHYSICAL EDUCATION PROGRAMS** 2-1-2  
 Motor, perceptual, and performance needs for multiple student populations with an analysis and application of published and teacher-developed instruments.

**PEHM 4300 MANAGEMENT SKILLS IN HEALTH AND PHYSICAL EDUCATION** 2-0-2  
 Theory and application of management and organization skills unique to the health and physical education environment.

**PEHM 4400 FITNESS THEORY & APPLICATION** 1-1-2  
 An examination of the health-related and motor-related physical fitness components.

**PEHM 4701 ELEMENTARY CURRICULUM AND METHODS** 3-1-3  
 Theory and current practice in the teaching of elementary physical education including developing appropriate curriculum, applying appropriate teaching strategies, and writing an inclusive portfolio which will be taught in a local elementary school as a directed field experience.

**PEHM 4702 CURRICULUM DEVELOPMENT AND APPLICATION IN HEALTH EDUCATION** 2-0-3  
 Prerequisite: Admission to Teacher Education, PEHM 3770, HSCP 3770, PEHM 3780  
 Corequisite: PEAT 2100  
 Development and application of health education curriculum in the school environment with emphasis upon portfolio preparation and the choice and application of appropriate techniques and methods of teaching health information and effective approaches in the development of positive life skills.

**PEHM 4703 MIDDLE/SECONDARY PHYSICAL EDUCATION CURRICULUM AND METHODS** 3-2-4  
 Prerequisite: Admission to Teacher Education, PEHM 2701, PEHM 2702, PEHM 2900, PEHM 3700, PEHM 3800  
 Corequisite: PEHM 4200, PEHM 4300  
 Theory and current practices in the design and development of curriculum, the selection and application of appropriate teaching strategies and techniques, and the development of a middle and secondary teaching portfolio in physical education.

**PEHM 4900 STUDENT TEACHING/SEMINAR** 2-V-(9-12)  
 Prerequisite: Admission to Teacher Education  
 Opportunities to use the knowledge and skills in a supervised public school setting.

### **(PHIL) – Philosophy**

**PHIL 2201 INTRODUCTION TO PHILOSOPHY** 3-0-3  
 Prerequisite: ENGL 1101  
 Basic themes, problems, vocabulary, and representative figures of philosophy. Includes an essay or projects involving documentation.

- PHIL 2251 INTRODUCTION TO ETHICS AND CONTEMPORARY MORAL PHILOSOPHY** 3-0-3  
 Prerequisite: ENGL 1101  
 Ethical traditions of Western culture and their application of historic perspectives to contemporary moral issues in medicine, business, and environmental relations.
- PHIL 2390 HUMAN VALUES AND PUBLIC PROBLEMS** 2-0-2  
 Prerequisite: ENGL 1101  
 Analysis of the normative aspects of public problems. Themes include technology and society, conflict between individual freedom and collective responsibility, social justice, the ethics of communication, relationships between humanity and the environment, and the role of government in a multicultural society.
- PHIL 3110 ANCIENT PHILOSOPHY** 3-0-3  
 Prerequisite: ENGL 1101  
 Ancient philosophy with special emphasis on the Pre-Socratics, Plato, Aristotle, the Stoics, Epicureans, Skeptics, and Neo-Platonism.
- PHIL 3120 MEDIEVAL PHILOSOPHY AND THE RISE OF HUMANISM** 3-0-3  
 Prerequisite: ENGL 1101  
 Medieval philosophy and the rise of humanistic studies in the Renaissance, with emphasis on Boethius, Augustine, Aquinas, Anselm, Occam, Erasmus, Bacon, Machiavelli, and Montaigne.
- PHIL 3130 CONTINENTAL RATIONALISM AND BRITISH EMPIRICISM** 3-0-3  
 Prerequisite: ENGL 1101  
 The modern rationalist tradition and its rival empirical tradition, with emphasis on Descartes, Spinoza, and Leibniz and on Hobbes, Locke, Berkeley, and Hume.
- PHIL 3140 KANT AND THE 19TH CENTURY** 3-0-3  
 Prerequisite: ENGL 1101  
 Nineteenth century philosophy with emphasis on Kant, Hegel, Schopenhauer, Marx, James, Kierkegaard, and Nietzsche.
- PHIL 3150 TWENTIETH CENTURY PHILOSOPHY** 3-0-3  
 Prerequisite: ENGL 1101  
 Twentieth century schools and trends in philosophy as exhibited by such figures as Heidegger, Whitehead, Moore, Wittgenstein, Sartre, and Ayer.
- PHIL 3200 TECHNOLOGY, SOCIETY, AND HUMAN VALUES** 3-0-3  
 Prerequisite: ENGL 1101  
 A philosophical exploration of the formative impact of technology on the character of modern culture and human values. The study of competing description and definitions of technology as well as questions regarding effective human control of technology, the moral neutrality of technology, and the effects of technology on conceptual paradigms, language, politics, economics, science, education, art, and religion.
- PHIL 3330 PHILOSOPHY OF RELIGION** 3-0-3  
 Prerequisite: ENGL 1101  
 Major problems arising in the encounter between philosophy and religious belief (reason and faith). Emphasis on the validity and nature of religious belief, the problem of evil, as well as the meaning and status of religious language. Must have completed at least one philosophy course.
- PHIL 3340 SYMBOLIC LOGIC** 3-0-3  
 Prerequisite: ENGL 1101  
 Formal logic and the techniques of symbolism used for analyzing the validity of formal deductive systems. Emphasis on the analysis of truth functions, qualification theory, and the theory of relations. Must have completed at least one philosophy course.

**PHIL 4000 SPECIAL TOPICS**

3-0-3

Prerequisite: ENGL 1101

Offered on demand. Focuses either on a topic such as Existentialism, Aesthetics, Philosophy of Science, Philosophy of Language, Philosophy & Literature or on one Great Ancient, Medieval, or Modern philosopher such as Plato, Aristotle, Augustine, Aquinas, Descartes, Hume, Kant, Hegel, Nietzsche, Whitehead, Sartre or Wittgenstein.

**PHIL 4900 INDEPENDENT STUDY**

1-0-1

Prerequisite: ENGL 1101, PHIL 3000

Offered on demand. The student, with the advice and permission of the supervising professor, selects the topic and submits a prospectus for department approval before the quarter in which the course is to be taken. Transient students may take this course only with permission of the Department Head.

**(PHSC) – Physical Science****PHSC 1211 PHYSICAL ENVIRONMENT**

3-0-3

Prerequisite: Eligibility for MATH 1111

Fundamental concepts, laws, and theories of physics. For non-science majors interested in a quantitative survey of the physics underlying the universe, including motion, energy, electricity, and astronomy.

**PHSC 1211L PHYSICAL ENVIRONMENT LAB**

0-2-1

Corequisite: PHSC 1211

Laboratory investigations of the fundamental concepts, laws, and theories of physics.

**PHSC 1212 CHEMICAL ENVIRONMENT**

3-0-3

Prerequisite: Eligibility for MATH 1111

Fundamental concepts, laws, and theories of chemistry. For non-science majors interested in a quantitative survey of the chemistry underlying our world, including classification of the elements, basic chemical reactions, atomic structure, and earth science.

**PHSC 1212L CHEMICAL ENVIRONMENT LAB**

0-2-1

Corequisite: PHSC 1212

Laboratory investigations of the fundamental concepts, laws, and theories of chemistry.

**(PHTH) – Physical Therapy****PHTH 5101U FUNCTIONAL AND STRUCTURAL ASPECTS OF MOVEMENT I**

5-3-6

Prerequisite: Open to majors in Physical Therapy

Corequisite: PHTH 5131U, PHTH 5161U, PHTH 5181U

Gross anatomy, physiology, pathophysiology and kinesiology of the back, head and neck and upper and lower limbs.

**PHTH 5131U FOUNDATIONS OF PHYSICAL THERAPY ASSESSMENT AND TREATMENT I**

6-4-8

Prerequisite: Open to majors in Physical Therapy

Corequisite: PHTH 5101U, PHTH 5161U, PHTH 5181U

Fundamental patient care skills including basic evaluation. Treatment and documentation for patients with musculoskeletal and integumentary dysfunction.



- PHTH 5161U PHYSICAL THERAPY PRACTICE ISSUES I** 2-0-2  
Prerequisite: Open to majors in Physical Therapy  
Corequisite: PHTH 5101U, PHTH 5131U, PHTH 5181U  
Discussions of professional socialization, clinical documentation, legal and ethical aspects of health care and psychosocial aspects of illness, disability and health care, scope of practice vs. scope of abilities, the disabled/impaired practitioner, and "burn-out" syndrome. Case studies will link the material presented in this course with other courses taught in this semester.
- PHTH 5181U CLINICAL PRACTICUM I** 1-0-1  
Prerequisite: Open to majors in Physical Therapy  
Corequisite: PHTH 5101U, PHTH 5131U, PHTH 5161U  
Initial exposure to the health care setting and health care professionals through discussion and half-day on-site observational experiences. Care settings will include specialty clinics, long term care facilities, hospitals, and school systems.
- PHTH 5202U FUNCTIONAL AND STRUCTURAL ASPECTS OF MOVEMENT II** 4-3-5  
Prerequisite: PHTH 5101U, 5121U, 5161U, 5181U  
Corequisite: PHTH 5232U, 5262U, 5282U, 5290U  
Gross anatomy, physiology and pathophysiology of the heart and lungs and nervous system.
- PHTH 5232U FOUNDATIONS OF PHYSICAL THERAPY ASSESSMENT AND TREATMENT II** 6-4-8  
Prerequisite: PHTH 5101U, 5131U, 5161U, 5181U  
Corequisite: PHTH 5202U, 5262U, 5282U, 5290U  
Fundamental patient care skills including basic evaluation, treatment and documentation for patients with cardiopulmonary and neuromuscular dysfunction.
- PHTH 5262U PHYSICAL THERAPY PRACTICE ISSUES II** 2-0-2  
Prerequisite: PHTH 5010U, 5131U, 5161U, 5181U  
Corequisite: PHTH 5202U, 5232U, 5282U, 5290U  
Discussions of legislative issues in health care, cultural issues in health care, health promotion and injury prevention education, adult learning skills used in patient and family education, quantitative terminology in clinical practice and clinical documentation and a critical analysis of physical therapy research.
- PHTH 5282U CLINICAL PRACTICUM II** 0-3-1  
Prerequisite: PHTH 5101U, 5131U, 5161U, 5181U  
Corequisite: PHTH 5202U, 5232U, 5262U, 5292U  
A one-week full time hands-on exposure to patient care in a physical therapy setting. Physical therapy settings include specialty clinics, long term care facilities, hospitals, and school systems.
- PHTH 5290U PHYSICAL THERAPY CASE MANAGEMENT** 2-4-3  
Prerequisite: PHTH 5101U, 5131U, 5161U, 5181U  
Corequisite: PHTH 5202U, 5232U, 5262U, 5282U  
Presentation of specific cases for students to manage from referral to discharge utilizing given information with increasingly complicated scenarios. Students work in small groups to develop total management of each case. The cases presented will link this course to all other courses in this and the previous semester.

**(PHYS) – Physics**

- PHYS 1111 INTRODUCTORY PHYSICS I** 3-0-3  
 Prerequisite or Corequisite: PHYS 1111L  
 Prerequisite: MATH 1113  
 Introductory mechanics, thermodynamics, and waves using elementary algebra and trigonometry.
- PHYS 1111L INTRODUCTORY PHYSICS I LAB** 0-3-1  
 Prerequisite or Corequisite: PHYS 1111  
 Prerequisite: MATH 1113  
 Laboratory investigation of the concepts of mechanics, thermodynamics, and waves.
- PHYS 1112 INTRODUCTORY PHYSICS II** 3-0-3  
 Prerequisite or Corequisite: PHYS 1112L  
 Prerequisite: PHYS 1111  
 Introductory electromagnetism, optics, and modern physics using elementary algebra and trigonometry.
- PHYS 1112L INTRODUCTORY PHYSICS II LAB** 0-3-1  
 Prerequisite or Corequisite: PHYS 1112  
 Laboratory investigations of the concepts of electricity, magnetism, geometric and physical optics, and modern physics.
- PHYS 2211 PRINCIPLES OF PHYSICS I** 3-0-3  
 Prerequisite or Corequisite: PHYS 2211L  
 Prerequisite: MATH 1161  
 Introductory mechanics, thermodynamics, and waves using elementary differential calculus.
- PHYS 2211L PRINCIPLES OF PHYSICS I LAB** 0-3-1  
 Prerequisite or Corequisite: PHYS 2211  
 Laboratory investigation of the concepts of mechanics, thermodynamics and waves.
- PHYS 2212 PRINCIPLES OF PHYSICS II** 3-0-3  
 Prerequisite or Corequisite: PHYS 2212L  
 Prerequisite: PHYS 2211, MATH 2072  
 Introductory electromagnetism, optics, and modern physics using elementary differential and integral calculus.
- PHYS 2212L PRINCIPLES OF PHYSICS II LAB** 0-3-1  
 Prerequisite or Corequisite: PHYS 2212  
 Laboratory investigations of the concepts of electricity and magnetism, optics, and modern physics.
- PHYS 3100 ELECTRICAL CIRCUIT ANALYSIS** 3-0-3  
 Prerequisite or Corequisite: MATH 3411  
 Prerequisite: PHYS 2212  
 Basic laws of electrical circuits: RCL circuits, nodal and mesh analysis. Thevenin's and Norton's theorems; phasors, magnetically coupled circuits, and two-port parameters.
- PHYS 3120 DIGITAL ELECTRONICS** 1-6-3  
 Prerequisite: MATH 1113  
 Introduction to discrete components and integrated circuits. Hands-on lab experience in constructing and investigating an array of digital circuits that are directly applicable in instrumentation. Must have completed 8 semester hours of lab science.

- PHYS 3210 INTERMEDIATE MECHANICS** 3-0-3  
Prerequisite: MATH 2072, ENGR 2200  
Kinematics of particles and rigid bodies; kinetics of particles and rigid bodies using force-mass-acceleration, work-energy, and momentum methods in two and three dimensional motion. Computer modelling of mechanical systems.
- PHYS 3220 MECHANICS OF DEFORMABLE BODIES** 3-0-3  
Prerequisite: ENGR 2200  
Internal effects and dimension changes of solids resulting from external applied loads; shear and bending moment diagrams, analysis of stress and strain; beam deflection; column stability.
- PHYS 3230 FLUID MECHANICS** 3-0-3  
Prerequisite: ENGR 2210 or PHYS 3210, PHYS 3300 or PHYS 3400, MATH 3411  
Fluid statics; analysis of fluid motion using the continuity, momentum, and energy conservation relationships; introduction to viscous flows.
- PHYS 3300 THERMODYNAMICS** 3-0-3  
Prerequisite: PHYS 2212, MATH 2072  
Basic concepts of thermodynamic properties of substances; conservation principles; the first and second laws of thermodynamics; entropy; analysis of thermodynamics systems.
- PHYS 3400 CHEMICAL THERMODYNAMICS** 3-3-4  
Prerequisite: CHEM 1212, PHYS 2211, MATH 2072  
Fundamental principles and theories of physical chemistry. Gas laws, heat and work, and the laws of thermodynamics. Material and reaction equilibria and thermodynamic functions. Single and multi-component phase equilibria, ideal and non-ideal solutions. Practical application of these fundamental principles of physical chemistry in the laboratory.
- PHYS 3500 DIFFRACTION & CRYSTALLOGRAPHY** 3-0-3  
Prerequisite: PHYS 3801  
Diffraction and crystal structure with identification from single crystal and powder patterns. Lattice parameters and crystal orientation.
- PHYS 3801 OPTICS & MODERN PHYSICS** 2-0-2  
Prerequisite: PHYS 2212 or (MATH 1161 and PHYS 1112)  
Optics and modern physics, including geometric and physical optics, relativity, atomic physics, and nuclear physics.
- PHYS 3801L OPTICS & MODERN PHYSICS LAB** 0-3-1  
Pre- or corequisite: PHYS 3801  
Laboratory investigation of the concepts of geometric and physical optics, relativity, atomic physics, and nuclear physics.
- PHYS 3802 INTERMEDIATE MODERN PHYSICS** 3-0-3  
Prerequisite: MATH 2072, PHYS 3801  
Introduction to quantum mechanical principles with applications in atomic and molecular structure.
- PHYS 4120 SCIENTIFIC MEASUREMENT WITH DIGITAL INTERFACING** 1-6-3  
Prerequisite: PHYS 3120 and CSCI 1301  
Principles and techniques used in measuring physical quantities, including transducers, data acquisition interfaces (A/D, D/A, DIO), GPIB, and data analysis. Data acquisition and process control capabilities of the computer as a general purpose lab instrument. Hands-on lab experience through applications in experimental physics.

**PHYS 4170 ADVANCED MECHANICS**

3-0-3

Prerequisite: PHYS 1111 or PHYS 2211, MATH 2072

Statics, kinematics, and dynamics of particles and of systems of particles from Newtonian principles. Recommended additional prerequisites: PHYS 1112 or PHYS 2212 and MATH 3411.

**PHYS 4900 INDEPENDENT STUDY IN PHYSICS**

V-V-(1-3)

Prerequisite: Permission of Instructor and/or Department

Open to Juniors or above. Research or study in physics under the supervision of a member of the physics faculty. Research activities will require the presentation of a written report. Studies of special topics will require the completion of written exams. Both the credit and the proposed work must be approved in writing by the faculty member who will supervise the work and by the department head. Open to transient students only with the permission of the Department Head. Offered by special arrangement.

**PHYS 4950 SPECIAL TOPICS IN PHYSICS**

V-V-(1-3)

Prerequisite: Permission of Instructor and/or Department, Announced with the Topic  
Advanced study in an area of physics not covered elsewhere. Topics are chosen from all areas of physics, and will be announced when the course is offered. Offered by special arrangement.

**PHYS 4960 PHYSICS INTERNSHIP**

V-V-(1-10)

Prerequisite: Permission of Instructor and/or Department, PHYS 4210 or ENGR 2200, PHYS 3300 or PHYS 3400, and PHYS 3100

Project in industry or government to be determined, supervised, and evaluated by the sponsor of the activity and Physics Intern Program Director. Application and arrangements must be made through the department by mid-semester preceding the semester of internship. Open to transient students only with the permission of the Department Head. Offered by special arrangement.

**(POLS) – Political Science****POLS 1100 POLITICAL HISTORY OF AMERICA & GEORGIA**

3-0-3

Origins and development of constitutional theory and its political, intellectual, and cultural impact on American society from the 17th century to the present. Emphasis is placed on the political history of Georgia and the principles of its constitution.

**POLS 1150 WORLD POLITICS**

2-0-2

Prerequisite: ENGL 1101

Comparative political systems with emphasis on the variety of world polities. Differences in government structure, policy, and political traditions. Democratization, modernization, nationalism, the future of the nation state, the end of the Cold War, and the potential of developing nations.

**POLS 1200 ETHICAL THEORIES AND MORAL ISSUES IN GOVERNMENT**

2-0-2

Ethics of citizenship, policy-making, and governance. Classical and modern theories of justice, with emphasis on collective goods and individual rights.

**POLS 2100 INTRODUCTION TO POLITICAL SCIENCE**

3-0-3

Prerequisite: ENGL 1101

The nature of the political system, and the state emphasizing sovereignty, nationalism, constitutionalism, functions of government, political culture and ideologies.

- POLS 2150 CAREERS IN POLITICAL SCIENCE AND PUBLIC ADMINISTRATION** 1-0-1  
 Prerequisite: POLS 2101, PUBL 2601, POLS 2601  
 How to apply the political science and public administration disciplines to careers in public service. Emphasis on creating a plan for professional development, a personality profile, skills assessment, researching career clusters in public service, field interviews, developing a plan for a job search.
- POLS 2201 STATE AND LOCAL GOVERNMENT** 3-0-3  
 Prerequisite: Eligibility for ENGL 1111  
 Comparative study of local governments, and their management of political conflict. Emphasis on federalism, political culture, community power, tax and budget systems, and public policy issues facing states and communities.
- POLS 2250 INTERNATIONAL ORGANIZATIONS** 2-0-2  
 Prerequisite: ENGL 1101  
 Origin, principles, and functions of regional and global organizations transcending national boundaries. Organizational structures with emphasis on geopolitics creating structures, their functions, and dysfunctions.
- POLS 2290 FOUNDATIONS OF INTERNATIONAL RELATIONS** 2-0-2  
 Prerequisite: ENGL 1101  
 Relations between and among nation-states as posited in the context of diplomacy and international law. Theoretical frameworks for the analysis of selected historical and contemporary international problems and opportunities.
- POLS 2390 HUMAN VALUES AND PUBLIC PROBLEMS** 2-0-2  
 Prerequisite: ENGL 1101  
 Analysis of the normative aspects of public problems. Themes include technology and society, conflict between individual freedom and collective responsibility, social justice, the ethics of communication, relationships between humanity and the environment, and the role of government in a multicultural society.
- POLS 2601 FOUNDATIONS OF PUBLIC ADMINISTRATION** 3-0-3  
 Prerequisite: Eligibility for ENGL 1111  
 Elements of public administration. Emphasis on bureaucracy, administrative power, informal groups, issue networks, budgeting, implementation, decision making, personnel, and ethics in public service.
- POLS 3170 CONSTITUTIONAL LAW AND THE FEDERAL SYSTEM** 3-0-3  
 Prerequisite: POLS 2100, HIST 1100 or POLS 1100  
 United States Supreme Court opinions on the Constitution. Emphasis on powers of the national government, judicial review, federalism, commerce power, separation of powers, power to tax and spend, and state regulation.
- POLS 3180 CONSTITUTIONAL CIVIL LIBERTIES** 3-0-3  
 Prerequisite: POLS 2100, HIST 1100 or POLS 1100  
 United States Supreme Court opinions on the Constitution. Emphasis on individual rights, nationalization, of the Bill of Rights, substantive, and procedural due process, freedom of expression, association, religion, privacy, and equal protection.
- POLS 3210 INTERNATIONAL RELATIONS: EAST ASIA** 3-0-3  
 Prerequisite: HIST 1100 or POLS 1100, POLS 2100  
 Contemporary international politics in East Asia in terms of ongoing historical trends such as the decline of imperialism, rise of nationalism, and the superpower interactions during the Cold-War and Post-Cold War eras. Further emphasis on the political economy of the Asian Pacific Rim States toward the 21st century.

- POLS 3260 INTERNATIONAL LAW** 3-0-3  
 Prerequisite: POLS 2100, HIST 1100 or POLS 1100  
 International agreements, cases, and customs on the legal relationships between nations. Emphasis on recognition, state succession, jurisdiction, extradition, nationality, treaties, diplomacy, and war.
- POLS 3300 POLITICAL PHILOSOPHY: ANCIENT & MEDIEVAL** 3-0-3  
 Prerequisite: HIST 1100 or POLS 1100, POLS 2100  
 Primary sources of Western political thought from Ancient Greece to the Renaissance. The political ideas of Plato, Aristotle, Judaism, Christianity, Islam, Roman natural law and Stoicism, and the late revival of civic republicanism.
- POLS 3310 MODERN POLITICAL PHILOSOPHY** 3-0-3  
 Prerequisite: HIST 1100 or POLS 1100, POLS 2100  
 Primary sources of Western thought from the sixteenth to nineteenth century. The political ideas of the Protestant Reformation, the social contract theories, of Hobbes, Locke, and Rousseau, utilitarianism, the impact of the French Revolution, nationalism, and socialism.
- POLS 3320 AMERICAN POLITICAL THOUGHT** 3-0-3  
 Prerequisite: HIST 1100 or POLS 1100, POLS 2100  
 Ideological traditions in American politics. Atlantic republicanism, Lockean liberalism, Jeffersonism, Jacksonian democracy, 19th and 20th century reform and radical movements, pragmatism, neocon-servatism, and the influence of religion on American political thought.
- POLS 3330 CONTEMPORARY POLITICAL THOUGHT** 3-0-3  
 Prerequisite: HIST 1100 or POLS 1100, POLS 2100  
 Ideological currents of our time. Selected in-depth readings from original sources.
- POLS 3420 POLITICS OF UNDERDEVELOPMENT:  
 AFRICA AND LATIN AMERICA** 3-0-3  
 Prerequisite: HIST 1100 or POLS 1100, POLS 2100  
 Contemporary global patterns of dependency and interdependency. Legacy of colonialism. Role of military in politics. Nationalist regimes and movements. Democratization. Ethnic conflicts. Environmental problems. Political geography.
- POLS 3460 GOVERNMENTS OF EAST ASIA** 3-0-3  
 Prerequisite: HIST 1100 or POLS 1100, POLS 2100  
 Comparative examination of the contemporary political institutions, processes, and ideas of the Peoples Republic of China, Japan, and two Koreas. Emphasis on historical, social, cultural, and contemporary issues.
- POLS 3480 GOVERNMENTS OF WESTERN EUROPE** 3-0-3  
 Prerequisite: HIST 1100 or POLS 1100, POLS 2100  
 Comparison of the major Western European governments, emphasizing the forces impacting political stability in Parliamentary systems.
- POLS 3490 THE POLITICAL TRANSFORMATION OF  
 THE FORMER SOVIET UNION** 3-0-3  
 Prerequisite: HIST 1100 or POLS 1100, POLS 2100  
 Political change in the former Soviet Union with emphasis on the new direction of the political, economic and social transformation of the regime. Comparison of the Tzarist autocracy, the Soviet Totalitarianism, and the contemporary Russian political system.

- POLS 3990 SPECIAL TOPICS IN PUBLIC ADMINISTRATION/  
POLITICAL SCIENCE** 3-0-3  
Prerequisite: Permission of Instructor and/or Department, POLS 2100, PUBL 2601 or POLS 2601  
Topics and issues not available in other courses. Topics will be announced before each offering of the course.
- POLS 4010 POLITICS OF BUDGETARY PROCESS** 3-0-3  
Prerequisite: POLS 2100, PUBL 2601 or POLS 2601  
Procedures and strategies for national, state and local government budgets. Emphasis on politics, fiscal and monetary policy, revenue systems, audits, planning, and accounting systems.
- POLS 4030 PUBLIC POLICY DEVELOPMENT** 3-0-3  
Prerequisite: POLS 2100, PUBL 2601 or POLS 2601  
Decision making for public policy. Emphasis on decision making theories, politics of the policy making process, mobilization of political support, cost and benefits of selected public policies, and application of decision theory to selected public policy issues.
- POLS 4050 PRINCIPLES OF PUBLIC MANAGEMENT** 3-0-3  
Prerequisite: POLS 2100, PUBL 2601 or POLS 2601  
Theory and cases on the management of public and not for profit agencies. Emphasis on total quality management, rational and incremental decision making, cost benefit analysis, politics and public policy of decision making, accountability measures, and political culture.
- POLS 4100 INDEPENDENT STUDY IN AMERICAN GOVERNMENT** V-V-(1-3)  
Prerequisite: Permission of Instructor and/or Department, POLS 2100  
Advanced, or individualized topics on American government. Emphasis on individual research, reading, and scholarly writing.
- POLS 4110 AMERICAN PRESIDENCY** 3-0-3  
Prerequisite: HIST 1100 or POLS 1100, POLS 2100  
Roles of the President as head of government and head of state. Emphasis on constitutional powers, separation of powers, checks and balances, political leadership styles, election politics and media, and the function of executive power in democratic societies.
- POLS 4120 CONGRESS AND POLITICAL PARTIES** 3-0-3  
Prerequisite: HIST 1100 or POLS 1100, POLS 2100  
Party organization, the electoral system, structure and functions of Congress. Theories of representative government, and the role of Congress as policy maker.
- POLS 4150 AMERICAN SUPREME COURT** 3-0-3  
Prerequisite: POLS 2100, HIST 1100 or POLS 1100  
Structure and functions of the Supreme Court. Its use of legal reasoning, and its role as policy maker.
- POLS 4180 ADMINISTRATIVE LAW** 3-0-3  
Prerequisite: POLS 2100, POLS 2601 or PUBL 2601  
The framework of law governing federal administrative agencies. Emphasis on judicial responsibility, enforcement, discretion, summary actions, hearings, procedural safeguards, search and seizure, due process, and civil rights.

- POLS 4200 INDEPENDENT STUDY IN INTERNATIONAL RELATIONS** V-V-(1-3)  
 Prerequisite: Permission of Instructor and/or Department  
 Open to Seniors. Individual research and reading in international relations under the supervision of a member of the faculty. Primary focus on wide reading, conferences with the advisor, and written reports. Open to students with a 3.0 average in political science and at least a 2.5 GPA overall. Apply to the department by mid-semester preceding the semester independent study is contemplated. Open to transient students only with permission of the Department Head. Must have at least 12 semester hours in political science at the 3000+ level.
- POLS 4280 SEMINAR IN GLOBAL POLITICS** 3-0-3  
 Prerequisite: HIST 1100 or POLS 1100, POLS 2290  
 Relations among nations with emphasis on structure of international power politics, causes on war, and approaches to peace. Focus on pertinent global issues of the post-Cold War era e.g. nuclear proliferation, multinational corporation, environmental and health issues, and human right issues.
- POLS 4290 AMERICAN FOREIGN POLICY** 3-0-3  
 Prerequisite: HIST 1100 or POLS 1100, POLS 2100  
 Analysis of U.S. foreign policy and factors, both domestic and global, contributing to its formulation.
- POLS 4400 INDEPENDENT STUDY IN COMPARATIVE GOVERNMENT** 3-0-3  
 Prerequisite: Permission of Instructor and/or Department  
 Open to Juniors or above. Individual research and reading in comparative government under the supervision of a member of the faculty. Primary focus on wide reading, conferences with the advisor and written reports. Open to students with a minimum of 90 semester hours, including 12 semester hours in political science at the 3000 level or above; must have a 3.0 average in political science or a 2.5 overall GPA. Apply to department by the mid-semester preceding the semester independent study is contemplated. Open to transient students only with permission of the Department Head.
- POLS 4520 COMPARATIVE JUDICIAL SYSTEMS** 3-0-3  
 Prerequisite: CRJU 3500, POLS 3500, CRJU 3210, POLS 4150  
 Law enforcement and judicial procedural aspects of the Japanese, French, German and the former Soviet political systems.
- POLS 4620/4630/4640 INTERNSHIP** V-V-3  
 Prerequisite: Permission of Instructor and/or Department  
 Open to Juniors or above.  
 Field experience in government, public service, or applied politics.
- POLS 4950 SEMINAR IN POLITICAL SCIENCE** 3-0-3  
 Open to Seniors. Selected political science topics. Students research and presentation, written and oral, in conformance with departmental guidelines.
- POLS 5120U CONGRESS & POLITICAL PARTIES** 3-0-3  
 Prerequisite: HIST 1100 or POLS 1100, POLS 2100  
 Party organization, the electoral system, structure and functions of Congress. Theories of representative government. Role of Congress as policy-maker.
- POLS 5130U POLITICAL TERRORISM** 3-0-3  
 Prerequisite: HIST 1100 or POLS 1100, CRJU 1010  
 International and domestic terrorism undertaken for political purposes in liberal states. Primary focus on state-sponsored international terrorism, American domestic revolutionary terrorism, and the dilemmas of counterterrorism in a democracy.



**POLS 5280U SEMINAR IN GLOBAL POLITICS 3-0-3**

Prerequisite: HIST 1100 or POLS 1100, POLS 2290

Relations among nations with emphasis on structure of international power politics, causes on war, and approaches to peace. Covers some of the pertinent global issues of the post-Cold War Era e.g. nuclear proliferation, multinational corporation, environmental and health issues, and human right issues.

**POLS 5500U LAW & LEGAL PROCESS 3-0-3**

Prerequisite: HIST 1010, POLS 2100, CRJU 1010, POLS 1010

Law as a dynamic societal institution. Sources and functions of both civil and criminal law and operation of the legal process viewed from the perspectives of jurisprudence, political science, and sociology.

**POLS 5520U COMPARATIVE JUDICIAL SYSTEMS 3-0-3**

Law enforcement and judicial procedure in political systems of Great Britain, France, Russia, and Japan.

**(PSYC) – Psychology****PSYC 1101 GENERAL PSYCHOLOGY 3-0-3**

Introduction to the vocabulary, concepts, and methods of the science of behavior and mental processes, surveying all areas of psychology. Eligibility for ENGL 1101 strongly recommended.

**PSYC 1101H HONORS GENERAL PSYCHOLOGY 3-0-3**

Prerequisite: Acceptance in Honors Program

Course content similar to PSYC1101, but emphasis on psychology as a laboratory science. Students will conduct a variety of experiments and demonstrations and will write research reports on these topics.

**PSYC 2010 HUMAN GROWTH & DEVELOPMENT 3-0-3**

Prerequisite: PSYC 1101

Survey of lifespan development with focus on physical, emotional, cognitive, and social development. Understandings of growth and development applied to classroom teaching and learning. Not for psychology majors.

**PSYC 2200 INTRODUCTION TO PSYCHOLOGICAL RESEARCH 3-1-4**

Prerequisite: PSYC 1101

An introduction to scientific methodology and its application to behavior analysis. Various techniques of data collection and the statistical analysis of such data emphasized.

**PSYC 2950 DEVELOPMENTAL PSYCHOLOGY 3-0-3**

Prerequisite: PSYC 1101

Origin and development of psychological processes from the lifespan perspective including the effects of genetic/maturational and socio-cultural/environmental factors.

**PSYC 3020 PSYCHOLOGICAL TESTING 3-0-3**

Prerequisite: PSYC 1101

Individual and group tests in psychological, educational, and clinical settings. Focus on the theoretical and statistical principles that underlie psychological and educational measurement and standardized psychological instruments and ethical issues in psychological testing.

**PSYC 3030 EXPERIMENTAL SOCIAL PSYCHOLOGY 3-0-3**

Prerequisite: PSYC 1101

Behavior of others as determinants of the behavior of the individual, identifying factors that shape feelings, behavior, and thoughts in social situations.

- PSYC 3040 FUNDAMENTALS OF COUNSELING AND PSYCHOTHERAPY** 3-0-3  
 Prerequisite: PSYC 1010  
 A survey of personality theories and the behavior changing techniques arising from them. Emphasis on learning theory and environmental influences.
- PSYC 3050 TOPICS IN DEVELOPMENT** 3-0-3  
 Prerequisite: PSYC 1101  
 A survey of the fundamental issues, processes and theories of the field developmental psychology. Focus on relevant research and practical applications through adolescence. NOT a substitute for PSYC 2950 or PSYC 2010.
- PSYC 3070 PERCEPTION** 3-0-3  
 Prerequisite: PSYC 1101  
 Experimental and theoretical analysis of the nature of perceptual processes.
- PSYC 3090 PHYSIOLOGICAL PSYCHOLOGY** 3-0-3  
 Prerequisite: PSYC 1101, BIOL 1107, BIOL 1108  
 Structure and function of the nervous system and its relationship to behavior.
- PSYC 3100 PSYCHOLOGY OF HUMAN SEXUALITY** 3-0-3  
 Prerequisite: PSYC 1101  
 An examination of the developmental, physiological, clinical and social aspects of human sexuality. Emphasis on the various components of human sexuality from a developmental perspective.
- PSYC 3110 THEORIES OF PERSONALITY** 3-0-3  
 Prerequisite: PSYC 1101  
 Selected personality theories with emphasis on normal behavior with attention to both experimental and clinical data. Determinants of personality structure and the development of personality from divergent points of view.
- PSYC 3120 MEASUREMENT** 3-1-4  
 Prerequisite: PSYC 1101, PSYC 2200  
 Examination of the theory of measurement, reliability and validity techniques, test construction, and statistical analysis. Student research project required.
- PSYC 3150 PSYCHOLOGY OF CONFLICT AND STRESS** 3-0-3  
 Prerequisite: PSYC 1101  
 Interactions between physiological processes in the development and maintenance of stress related disorders. Emphasis on environmental factors and stress management techniques.
- PSYC 3160 CLINICAL PSYCHOLOGY** 3-0-3  
 Prerequisite: PSYC 1101  
 Behavioral problems, treatment modes, and theories.
- PSYC 3190 ANIMAL BEHAVIOR** 3-0-3  
 Prerequisite: PSYC 1101  
 Adaptations and behaviors with which living organisms cope with their environments using naturalistic observation and experimental methods.
- PSYC 3200 INDUSTRIAL/ORGANIZATIONAL PSYCHOLOGY** 3-0-3  
 Prerequisite: PSYC 1101  
 Applications of psychological principles to business and professional settings, including work motivation, goal setting, power politics, leadership, communication, and organization development.

- PSYC 3210 PSYCHOLOGY OF WORK BEHAVIOR** 3-0-3  
 Prerequisite: PSYC 1101  
 Psychological analysis of issues related to the individual worker in industry and organization including employee selection, training strategies, performance evaluation and job satisfaction.
- PSYC 3280 ABNORMAL PSYCHOLOGY** 3-0-3  
 Prerequisite: PSYC 1101  
 Scientific and cultural bases of various conceptions of undesirable behavior, emphasizing application of principles derived from the basic research.
- PSYC 3500 COGNITIVE PSYCHOLOGY** 3-0-3  
 Prerequisite: PSYC 1101  
 Issues related to the various models of human information processing with an emphasis on perceptual and linguistic development, including principles and applications derived from basic research.
- PSYC 3750 PSYCHOLOGY OF AGING** 3-0-3  
 Prerequisite: PSYC 1101  
 Analysis of the aging process as a physical and biosocial change. Important adaptive aspects with an emphasis on maintaining an optimal quality of life.
- PSYC 3950 RESEARCH IN THE SOCIAL AND BEHAVIORAL SCIENCES** V-V-(1-3)  
 Prerequisite: Junior standing, permission of department head, and agreement by a faculty member to supervise the research.  
 Uncompensated research to be assigned and directed by a faculty member of the appropriate discipline. Students will conduct research using methods appropriate for that discipline. Student research may include a literature search, field or laboratory observation and experimentation, data reduction and analysis, and written and/or oral presentation of results. The research experience will be evaluated by a rotating committee of the departmental faculty before the initiation of the project, and again upon completion of the work. Credit will vary depending on the work to be completed. Up to three (3) credit hours may be earned in any one discipline, for a maximum of six (6) credit hours.
- PSYC 4010/4020/4030 SPECIAL TOPICS IN PSYCHOLOGY** 3-0-3  
 Prerequisite: PSYC 1101  
 Upper-level courses not otherwise offered in the psychology curriculum. Various substantive topics, theoretical issues and problems. Possibility to repeat with different topics. No more than two such courses counted in the minor.
- PSYC 4060 BEHAVIOR MODIFICATION** 3-0-3  
 Prerequisite: PSYC 1101  
 Proven methods of generating behavioral change, their empirical foundations and their applications in clinical, educational, and social settings.
- PSYC 4080 LEARNING AND MOTIVATION** 3-1-4  
 Prerequisite: PSYC 1101, PSYC 2200  
 Methodology and theory associated with the various forms of learning and their motivational concomitant. Laboratory introduction to animal care, training, and experimentation. Student research project required.

**PSYC 4100 HISTORY AND SYSTEMS OF PSYCHOLOGY 3-0-3**

Prerequisite: Open to majors in Psychology, Permission of Instructor and/or Department

Basic ideas in psychology from early animism to modern behavioristics. Special attention is given to the philosophical basis at various times in the history of psychology.

**PSYC 4110 SENIOR SEMINAR 1-0-1**

Prerequisite: Open to majors in Psychology, Permission of Instructor and/or Department

Reading and discussion group concentrating on selected contemporary issues in psychology, ethics, and careers.

**PSYC 4120 SENIOR PROJECT 3-0-3**

Prerequisite: Open to Seniors.

Project with a faculty member qualified in the student's area of interest to begin in the semester of the senior year (register for the semester of expected completion). Scholarly paper acceptable to the departmental faculty required.

**PSYC 4130 SENIOR INTERNSHIP 3-0-3**

Prerequisite: Open to Seniors.

Individually designed work experience in an applied setting with the sponsoring organization providing a qualified supervisor. Faculty advisor will establish performance criteria and evaluate accordingly. Scholarly paper acceptable to the departmental faculty required.

**(PUBL) – Public Administration****PUBL 2150 CAREERS IN POLITICAL SCIENCE/  
PUBLIC ADMINISTRATION 1-0-1**

Prerequisite: POLS 2100, PUBL 2601 or POLS 2601

How to apply the political science and public administration disciplines to careers in public service. Emphasis on creating a plan for professional development, a personality profile, skills assessment, researching career clusters in public service, field interviews, developing a plan for a job search.

**PUBL 2250 INTERNATIONAL ORGANIZATION 2-0-2**

Prerequisite: ENGL 1101

Origin, principles, and functions of regional and global organizations transcending national boundaries. Organizational structures with emphasis on geopolitics creating structures, their functions, and dysfunctions.

**PUBL 2601 FOUNDATIONS OF PUBLIC ADMIN 3-0-3**

Elements of public administration. Emphasis on bureaucracy, administrative power, informal groups, issue networks, budgeting, implementation, decision making, personnel, and ethics in public service.

**PUBL 3990 SPECIAL TOPICS IN PUBLIC ADMINISTRATION/  
POLITICAL SCIENCE 3-0-3**

Prerequisite: POLS 2100, PUBL 2601 or POLS 2601

Topics and issues not available in other courses. Topics will be announced before each offering of the course.

**PUBL 4010 POLITICS OF BUDGETARY PROCESS 3-0-3**

Prerequisite: POLS 2100, PUBL 2601 or POLS 2601

Procedures and strategies for national, state and local government budgets. Emphasis on politics, fiscal and monetary policy, revenue systems, audits, planning, and accounting systems.

**PUBL 4030 PUBLIC POLICY DEVELOPMENT 3-0-3**

Prerequisite: POLS 2100, PUBL 2601 or POLS 2601

Decision making for public policy. Emphasis on decision making theories, politics of the policy making process, mobilization of political support, cost and benefits of selected public policies, and application of decision theory to selected public policy issues.

**PUBL 4050 PRINCIPLES PUBLIC MANAGEMENT 3-0-3**

Prerequisite: POLS 2100, PUBL 2601 or POLS 2601

Theory and cases on the management of public and not for profit agencies. Emphasis on total quality management, rational and incremental decision making, cost benefit analysis, politics and public policy of decision making, accountability measures, and political culture.

**PUBL 4180 ADMINISTRATIVE LAW 3-0-3**

Prerequisite: POLS 2100, POLS 2601 or PUBL 2601

The framework of law governing federal administrative agencies. Emphasis on judicial responsibility, enforcement, discretion, summary actions, hearings, procedural safeguards, search and seizure, due process, and civil rights.

**PUBL 4620/4630/4640 INTERNSHIP V-V-3**

Prerequisite: Permission of Instructor and/or Department

Open to Juniors or above.

Field experience in government, public service, or applied politics.

**(RADS) – Radiologic Sciences****RADS 2050 QUALITY ASSURANCE 1.5-2-2**

Prerequisite: Permission of Instructor and/or Department

**RADS 2211 CLINICAL EDUCATION III 3-36-3**

Prerequisite: Permission of Instructor and/or Department, RAD 122

This course is a supervised clinical practice in performing radiographic procedures.

**RADS 2212 CLINICAL EDUCATION IV 3-36-3**

Prerequisite: Permission of Instructor and/or Department, RADS 2211

This course is a supervised clinical practice in performing radiographic procedures.

**RADS 2213 CLINICAL EDUCATION V 0-24-3**

Prerequisite: Permission of Instructor and/or Department, RADS 2212

Supervised clinical practice in performing radiographic procedures. Program Exit Examination is included. Successful completion of Regents' Test required to register.

**RADS 3000 INTRODUCTION TO RADIOLOGIC SCIENCES 3-1-3**

Prerequisite: Open to majors in Radiologic Technologies-BS

Professional organizations, specialties, accreditation, certification, licensure, professional development, ethics legal issues, radiation protection methodology, and elementary imaging concepts.

**RADS 3050 PATIENT CARE AND INTERACTION 3-2-3**

Prerequisite: Open to majors in Radiologic Technologies-BS

Physical and psychological needs of the family and patient, patient transfer techniques, interaction with the terminally ill, vital signs, administration of injections and pharmaceuticals, I.V. and tube maintenance, urinary catheterization, administration and interpretation of EKG's, emergency medical situations, infectious disease processes and universal precautions. CPR certification required.

- RADS 3060 PRINCIPLES OF IMAGE FORMATION & EVALUATION** 2-2-3  
 Prerequisite: Open to majors in Radiologic Technologies-BS  
 Factors influencing radiographic quality and conditions influencing exposures, technique charts and artifact analysis.
- RADS 3071 RADIOGRAPHIC PROCEDURES I** 2-3-3  
 Prerequisite: Open to majors in Radiologic Technologies-BS  
 Procedures involving the chest, abdomen, and visceral organs requiring the use of contrast media including spatial relationships and pathology. Emphasis on equipment manipulation and quality evaluation of radiographic examinations.
- RADS 3072 RADIOGRAPHIC PROCEDURES II** 2-3-3  
 Prerequisite: RADS 3071  
 Procedures involving extremities, shoulder girdle, and vertebral column including chest and abdomen, visceral organs requiring the use of contrast media, spatial relationships, pathology, equipment manipulation, quality evaluation and medical terminology.
- RADS 3073 RADIOGRAPHIC PROCEDURES III** 2-3-3  
 Prerequisite: RADS 3072  
 Procedures involving bony thorax, pelvic girdle, facial bones, cranium, heart, breast, and reproductive organs including the chest, abdomen, and visceral organs, requiring the use of contrast media, including spatial relationships and pathology. Emphasis on equipment manipulation and quality evaluation of radiographic examinations.
- RADS 3090 INTRODUCTION TO RADIATION PHYSICS** 2-2-3  
 Prerequisite: MATH 1111  
 Mechanics, electromagnetic physics and nuclear physics as they relate to the medical setting.
- RADS 3150 RADIOBIOLOGY & RADIATION PROTECTION** 3-1-3  
 Prerequisite: Permission of Instructor and/or Department  
 Biological, chemical, and physical effects of radiation. Emphasis on radiation measurement and exposure reduction to minimize somatic and genetic effects. Performance of radiation surveys and radiobiologic research.
- RADS 3161 CLINICAL EDUCATION I** 0-8-1  
 Prerequisite: Permission of Instructor and/or Department  
 Prerequisite or Corequisite: RADS 3050, RADS 3060, RADS 3071  
 Supervised clinical practice in performing radiographic procedures.
- RADS 3162 CLINICAL EDUCATION II** 0-16-2  
 Prerequisite: Permission of Instructor and/or Department  
 Prerequisite or Corequisite: RADS 3072, RADS 3161  
 Supervised clinical practice in performing radiographic procedures.
- RADS 3190 PRINCIPLES OF RADIATION THERAPY** 3-0-3  
 Prerequisite: Permission of Instructor and/or Department, RADS 3000  
 Principles of cancer treatment modalities and rationale for treatment choice with an emphasis on radiation therapy. Focus on the pathologic mechanisms of tumor development, tumor classification and staging.
- RADS 3301 CLINICAL EDUCATION I** 0-8-1  
 Prerequisite: Permission of Instructor and/or Department  
 A supervised orientation to radiographic procedures and radiation therapy students.
- RADS 3302 CLINICAL EDUCATION II** 0-8-2  
 Prerequisite: Permission of Instructor and/or Department, RADS 3301  
 A supervised clinical experience in the application and delivery of radiation therapy.

- RADS 3403 CLINICAL EDUCATION III** 0-16-3  
Prerequisite: Permission of Instructor and/or Department  
A supervised clinical experience in the application and delivery of radiation therapy.
- RADS 4050 QUALITY MANAGEMENT IN RADIOGRAPHY** 2-2-2  
Prerequisite: Permission of Instructor and/or Department  
Equipment testing, analysis of quality control data and quality assurance data, federal government guidelines and introduction to Total Quality Management(TQM) concepts and procedures.
- RADS 4090 RADIOGRAPHIC PHYSICS** 2-2-3  
Prerequisite: RADS 3090  
Interaction of radiation with matter, formation of photographic and electronic images, and the physics of nuclear magnetic image and computed tomography.
- RADS 4110 ADVANCED IMAGING** 3-0-3  
Prerequisite: Permission of Instructor and/or Department, RADS 4090  
Instrumentation, operation, and clinical uses of computerized tomography, magnetic resonance imaging, cardiovascular/interventional radiology, mammography.
- RADS 4163 CLINICAL EDUCATION III** 0-24-3  
Prerequisite: Permission of Instructor and/or Department, RADS 3162  
Supervised clinical practice in performing radiographic procedures.
- RADS 4164 CLINICAL EDUCATION IV** 3-24-5  
Prerequisite: Permission of Instructor and/or Department, RADS 4163  
Supervised clinical practice in radiographic procedures with an emphasis on special clinical areas such as computerized tomography, magnetic resonance imaging, cardiovascular/interventional radiology, and mammography.
- RADS 4165 CLINICAL EDUCATION V** 2-24-5  
Prerequisite: Permission of Instructor and/or Department  
Supervised clinical practice in radiographic procedures in computerized tomography, magnetic resonance imaging, cardiovascular/interventional radiology, and mammography.
- RADS 4201 RADIATION ONCOLOGY I** 3-0-3  
Prerequisite: Permission of Instructor and/or Department  
Prerequisite or Corequisite: RADS 3190  
Etiology, epidemiology, treatment, and prognosis of carcinomas affecting the head and neck, respiratory, digestive, and central nervous systems.
- RADS 4202 RADIATION ONCOLOGY II** 3-0-3  
Prerequisite: RADS 4201  
Etiology, epidemiology, treatment, and prognosis of malignancies affecting the urinary, integumentary, and reproductive systems including lymphomas and leukemias.
- RADS 4240 RADIATION THERAPY PHYSICS** 3-1-3  
Prerequisite: Permission of Instructor and/or Department, RADS 3090  
Operating principles of therapeutic equipment, methods of baseline testing and calibration, domestic and brachytherapy.
- RADS 4260 TREATMENT PLANNING** 3-0-3  
Prerequisite: Permission of Instructor and/or Department  
Prerequisite or Corequisite: RADS 4240  
Planning and calculation of dosage for a range of cancer treatment techniques with and without computer assistance.

- RADS 4280 QUALITY MANAGEMENT IN RADIATION THERAPY** 1-0-1  
Prerequisite: Permission of Instructor and/or Department, RADS 4240  
Total quality management concepts and principles, in a radiation oncology department. Emphasis on quality assurance and JCAHO standards.
- RADS 4303 CLINICAL EDUCATION III** 0-24-4  
Prerequisite: Permission of Instructor and/or Department, RADS 3302  
Supervised clinical experience in the application and delivery of radiation therapy.
- RADS 4304 CLINICAL EDUCATION IV** 0-16-3  
Prerequisite: Permission of Instructor and/or Department, RADS 4303  
Supervised clinical experience in the application and delivery of radiation therapy.
- RADS 4305 CLINICAL EDUCATION V** 0-24-4  
Prerequisite: Permission of Instructor and/or Department, RADS 4304  
Capstone clinical education course in the application and delivery of radiation therapy.
- RADS 4404 CLINICAL EDUCATION IV** 0-16-3  
Prerequisite: Permission of Instructor and/or Department  
Supervised clinical experience in the application and delivery of radiation therapy.
- RADS 4405 CLINICAL EDUCATION V** 0-16-3  
Prerequisite: Permission of Instructor and/or Department  
Capstone clinical education course in the application and delivery of radiation therapy.
- RADS 4410 CROSS SECTIONAL ANATOMY** 3-0-3  
Prerequisite: Permission of Instructor and/or Department  
Three dimensional anatomical relationships of cross sectional anatomy slices and images produced by computed tomography and magnetic resonance imaging.
- RADS 4430 PROFESSIONAL PRACTICE SEMINAR** 3-0-3  
Prerequisite: Permission of Instructor and/or Department  
Capstone course on major trends and issues affecting present day radiologic sciences.
- RADS 4450 RADIOLOGY MANAGEMENT & LEADERSHIP** 3-0-3  
Prerequisite: Permission of Instructor and/or Department  
Management, leadership, health care financing and total quality concepts specific to the radiation sciences.

### **(RGTR) – Regents' Remediation**

- RGTR 0198 REGENTS' READING PREPARATION** 3-0-3  
Regents' Reading test preparation, required following an unsuccessful attempt to pass the Regents' Test in Reading. Review of strategies for improving vocabulary development, especially contextual, and for increasing reading comprehension corresponding to areas on the Regents' Reading Test-literal, inferential, and analytical. Emphasis on test-taking techniques and practice.
- RGTR 0199 COMPOSITION REVIEW** 3-0-3  
Prerequisite: ENGL 1101, ENGL 1102  
Preparation of students for success on essay portion of Regents' examination through intensive writing of essays.

### **(READ) – Reading**

- READ 0090 READING THE BIOGRAPHY** 2-0-2  
Use of biographical material with emphasis on literature, the media, and development of receptive language skills. Focus on literal and critical thinking strategies with guided reading assignments, reader response journals, library research projects, use of electronic resources, summaries, and autobiographies.



**READ 0091 LITERACY, ALTERNATIVE VIEWPOINTS  
AND PROPAGANDA**

2-0-2

Use of the highly pervasive discourse of propaganda, alternate positions, with support for and against diverse viewpoints using multiple genres including politics, advertising, multi-cultural writings, speeches, editorials and essays. Acquisition of an intellectual framework and sophisticated level of thinking.

**READ 0099 STRATEGIES FOR COLLEGE READING**

3-0-3

Prerequisite: Placement according to CPE score

Reinforcement of basic college reading strategies. Emphasis on comprehension, critical thinking, vocabulary, main ideas, supportive details, organizational and rhetorical patterns, transitions, tone, purpose, fact and opinion, and inferences.

**READ 0099L STRATEGIES FOR COLLEGE READING WITH  
COMPUTER APPLICATIONS**

4-1-4

Prerequisite: Placement according to CPE score

Reinforcement of basic college reading strategies. Emphasis on comprehension, critical thinking, vocabulary, main ideas, supportive details, organizational and rhetorical patterns, transitions, tone, purpose, fact and opinion, and inferences with focus on a computer laboratory component.

**READ 0099T THEMATIC APPROACHES TO COLLEGE READING**

3-0-3

Prerequisite: Placement according to CPE score

Corequisite: ENGL 0099T

A thematic approach to text selections and short stories or articles on a wide range of subjects with emphasis on comprehension, critical thinking, increased vocabulary, recognition of main ideas, supportive details, organizational and rhetorical patterns, transitions, tone, purpose, fact and opinion, and inferences.

**(RESP) – Respiratory Therapy****RESP 3110 PATIENT ASSESSMENT**

3-0-3

Prerequisite: Open to majors in Respiratory Therapy-BS

Corequisite: RESP 3120 , RESP 3151C

A problem solving approach to evaluation and treatment of patients with cardiopulmonary disease. History taking, physical examination, radiographs, ECG, lab tests, spirometry, and blood gas analysis.

**RESP 3120 RESPIRATORY CARE EQUIPMENT**

2-2-3

Prerequisite: Open to majors in Respiratory Therapy-BS

Corequisite: RESP 3110 , RESP 3151C

Theory of operation, application, and evaluation of equipment used in respiratory care. Lab emphasis on selection, trouble shooting, quality control, and asepsis.

**RESP 3151C CLINICAL PRACTICUM I**

0-6-1

Prerequisite: Open to majors in Respiratory Therapy-BS

Corequisite: RESP 3110 , RESP 3120

Preclinical skills development, orientation to the hospital environment, and introduction to electronic information systems.

**RESP 3210 CLINICAL PHARMACOLOGY**

3-0-3

Prerequisite: RESP 3110, RESP 3120, RESP 3151C

Corequisite: RESP 3220 , RESP 3230 , RESP 3252C

Principles of pharmacology including pharmacokinetics, dynamics, drug interactions, and toxicology emphasizing drug groups used in treatment of cardiopulmonary disease.

**RESP 3220 RESPIRATORY CARE FUNDAMENTALS**

2-2-3

Prerequisite: RESP 3110, RESP 3120, RESP 3151C

Corequisite: RESP 3210 , RESP 3230 , RESP 3252C

Development and implementation of the care plan; evaluation of patient response to therapy with extensive use of therapeutic protocols and decision making algorithms.

- RESP 3230 DIAGNOSTIC PROCEDURES** 3-2-4  
Prerequisite: RESP 3110, RESP 3120, RESP 3151C  
Corequisite: RESP 3210 , RESP 3220 , RESP 3252C  
A problem solving approach to evaluation and diagnosis of cardiopulmonary disease with emphasis on procedural protocols, analysis of results, and application to the care plan.
- RESP 3252C CLINICAL PRACTICUM II** 0-18-3  
Prerequisite: RESP 3110, RESP 3120, RESP 3151C  
Corequisite: RESP 3210 , RESP 3220 , RESP 3230  
Application of therapeutic protocols, assessment of patient response to therapy and modifications of the care plan based on patient response outside of the critical care environment.
- RESP 3310 BASIC VENTILATORY SUPPORT** 2-3-3  
Prerequisite: RESP 3210, RESP 3220, RESP 3230, RESP 3252C  
Corequisite: RESP 3353C  
The history, terminology, fundamental principles, and concept of life support technology. Lab experience emphasizes ventilator classification, evaluation, and management.
- RESP 3353C CLINICAL PRACTICUM III** 0-18-3  
Prerequisite: RESP 3252C  
Corequisite: RESP 3310  
Care of the ventilator-dependent patient in the critical care environment. Patient assessment, airway care, trend monitoring, calibration, and set up of life support systems. CAI used to develop critical thinking skills.
- RESP 4110 ADVANCED VENTILATORY SUPPORT** 2-3-3  
Prerequisite: RESP 3310, RESP 3353C  
Corequisite: RESP 4120 , RESP 4130 , RESP 4154C  
Case oriented approach to management of the ventilator dependant patient. Patient assessment and modification of the care plan based on patient response.
- RESP 4120 CARDIOPULMONARY CRITICAL CARE** 3-0-3  
Prerequisite: RESP 3310, RESP 3353C  
Corequisite: RESP 4110 , RESP 4130 , RESP 4154C  
Hemodynamic monitoring, fluid /electrolyte management, cardiovascular pharmacology and ACLS protocols.
- RESP 4130 PERINATAL CARE** 3-3-4  
Prerequisite: RESP 3310, RESP 3353C  
Corequisite: RESP 4110 , RESP 4120 , RESP 4154C  
Care of the pediatric and neonatal patient in the critical care environment. Patient assessment, initiation and modification of the care plan based on patient response.
- RESP 4154C CLINICAL PRACTICUM IV** 0-12-2  
Prerequisite: RESP 3310, RESP 3353C  
Corequisite: RESP 4110 , RESP 4120 , RESP 4130  
Advanced monitoring of the CP system in the adult critical care environment. Care of the chronically ill patient in the home and SNF setting.
- RESP 4160C PERINATAL PRACTICUM** 0-6-1  
Prerequisite: RESP 3310, RESP 3353C  
Corequisite: RESP 4110 , RESP 4120 , RESP 4130  
The role of the RCP in the pediatric and neonatal critical care environment.

- RESP 4210 CARDIOPULMONARY MEDICINE** 3-0-3  
Prerequisite: RESP 4110, RESP 4120, RESP 4130, RESP 4154C, RESP 4160C  
Corequisite: RESP 4255C  
A problem solving approach to the pathophysiology and medical management of cardiopulmonary problems encountered in the hospital setting.
- RESP 4220 RESEARCH IN RESPIRATORY CARE** 2-0-2  
Prerequisite: HLPK 2000, MATH 2200  
Corequisite: RESP 4210 , RESP 4230 , RESP 4240 , RESP 4255C  
Survey of research designs, methods, and evaluation techniques applicable to clinical research in the major field.
- RESP 4230 SEMINAR IN RESPIRATORY CARE** 1-0-1  
Prerequisite: RESP 4110, RESP 4120, RESP 4130, RESP 4154C, RESP 4160C  
Corequisite: RESP 4210 , RESP 4220 , RESP 4240 , RESP 4255C  
Capstone seminar to prepare students for their professional credentialing exams. Students must pass a series of exit exams to earn a passing grade in RESP 4230.
- RESP 4240 ISSUES IN RESPIRATORY CARE** 3-0-3  
Prerequisite: RESP 4110, RESP 4120, RESP 4130, RESP 4154, RESP 4160C  
Corequisite: RESP 4210 , RESP 4220 , RESP 4230 , RESP 4255C  
Investigation of professional development topics including ethics, professional behavior, medical/legal issues, and cultural trends in health care.
- RESP 4255C CLINICAL PRACTICUM V** 0-24-4  
Prerequisite: RESP 4110, RESP 4120, RESP 4130, RESP 4154C, RESP 4160C  
Corequisite: RESP 4210 , RESP 4220 , RESP 4230 , RESP 4240  
Capstone clinical experience which allows the student to complete an extensive practicum in an area of specialization. The student will be responsible for developing a proposal prior to beginning the course.
- (SCIE) – Science**
- SCIE 1000 INTRODUCTION TO SCIENTIFIC INQUIRY** 3-0-3  
Examination of the methods of science. Traces the evolution of scientific thought from the perspectives of physics, chemistry and biology. Focuses on major concepts in the natural sciences through a quantitative approach.
- (SLPA) – Speech/Language Pathology**
- SLPA 1220 INTRODUCTION TO COMMUNICATION DISORDERS** 3-0-3  
Types, characteristics, etiologies, and treatment methodologies of various communication disorders in children and adults.
- SLPA 2230 ANATOMY AND PHYSIOLOGY OF THE SPEECH AND HEARING MECHANISM** 3-0-3  
Anatomy and physiology of areas of respiration, phonation, articulation, cerebation/ nervous system and audition; functional correlates to the communication process. Field experiences required.
- SLPA 2250 PHONETICS** 3-0-3  
International Phonetic Alphabet(IPA) in speech-language pathology. IPA transcription of connected speech (normal and disordered), important characteristics of regional/ cultural dialects.

- SLPA 3150 NORMAL SPEECH AND LANGUAGE DEVELOPMENT** 3-1-3  
Prerequisite: Open to majors in Speech-Language Pathology  
Phonological, morphological, semantic, syntactic, and pragmatic growth. Observation practicum required.
- SLPA 3410 INTRODUCTION TO AUDIOLOGY** 3-1-3  
Prerequisite: Open to majors in Speech-Language Pathology  
Introduction to etiology, characteristics, assessment, and rehabilitation of individuals with hearing impairments. Directed observation.
- SLPA 3420 LANGUAGE DISORDERS** 3-0-3  
Prerequisite: SLPA 3150  
Etiology, characteristics, classification, assessment and treatment of language disorders. Field experiences required.
- SLPA 3430 ORGANICALLY BASED COMMUNICATION DISORDERS** 3-0-3  
Prerequisite: SLPA 3150  
Etiology, characteristics, assessment, and treatment of the disorders of voice, cleft palate, and cerebral palsy. Field experiences required.
- SLPA 3450 ARTICULATION DISORDERS** 3-0-3  
Prerequisite: SLPA 3150  
Etiology, characteristics, classification, assessment, and treatment of articulation and phonological disorders. Field experiences required.
- SLPA 4140 NON-VERBAL COMMUNICATION** 3-0-3  
Prerequisite: SLPA 3150  
Basic knowledge and usage of various non-verbal communication systems.
- SLPA 4170 INTRODUCTION TO DIAGNOSTIC PROCEDURES IN SPEECH-LANGUAGE PATHOLOGY** 3-0-3  
Prerequisite: SLPA 3450, SLPA 3420, SLPA 3430  
Corequisite: SLPA 4180, SLPA 4190  
Assessment principles and practices in speech-language pathology.
- SLPA 4180 DIRECTED OBSERVATIONS IN SPEECH-LANGUAGE PATHOLOGY** 1-3-3  
Prerequisite: SLPA 3450, SLPA 3420, SLPA 3430  
Corequisite: SLPA 4170, SLPA 4190  
Focused observations of current practices in speech-language pathology.
- SLPA 4190 CLINICAL METHODS IN SPEECH-LANGUAGE PATHOLOGY** 3-0-3  
Prerequisite: SLPA 3450, SLPA 3420, SLPA 3430  
Corequisite: SLPA 4170, SLPA 4180  
Introduction to organization, scope and requirements of clinical practicum.
- SLPA 4210 SENIOR SEMINAR** 3-0-3  
Prerequisite: Permission of Instructor  
Corequisite: SLPA 4450  
Contemporary issues, principles, and practices specific to speech-language pathology.
- SLPA 4350 SPEECH SCIENCE** 3-0-3  
Prerequisite: Permission of Instructor  
Physiological production, acoustics, physics of speech, analysis of speech, and technology-related instrumentation available to assess the parameters of speech production.

**SLPA 4450 PRACTICUM IN SPEECH-LANGUAGE PATHOLOGY** 0-3-3  
 Prerequisite: SLPA 4170, SLPA 4180, SLPA 4190  
 Supervised clinical experience in speech-language pathology.

**SLPA 4500 INTRODUCTION TO RESEARCH IN SPEECH-LANGUAGE PATHOLOGY** 3-0-3  
 Prerequisite: Permission of Instructor  
 Introduction to scientific methodology and its application to the field of communication disorders.

### **(SOCl) – Sociology**

**SOCI 1101 INTRODUCTORY SOCIOLOGY** 3-0-3  
 Introduction to the concepts and methods of the science of human group behavior including the study of socialization, culture, race, ethnicity, gender, age, and social institutions. Eligibility for ENGL1101 strongly recommended.

**SOCI 3150 FAMILY & ALTERNATIVE LIFESTYLES** 3-0-3  
 Prerequisite: SOCI 1101  
 Institutions which have major responsibility for socializing members of society including various forms and types of families.

**SOCI 3200 RACIAL AND ETHNIC MINORITIES** 3-0-3  
 Prerequisite: SOCI 1101  
 Historical and/or contemporary realities of various racial and ethnic minority groups in the US including African American, Latinos, Native-Americans, and Asian-Americans.

**SOCI 3330 EXPLORING POPULAR CULTURE** 3-0-3  
 Prerequisite: SOCI 1101  
 Examination of popular culture using mass media, technology, and language to explore a given era. Comparisons of lifestyles, gender roles, attitudes towards various groups and the national/regional mood of the times.

**SOCI 3400 METHODS OF SOCIAL RESEARCH** 3-0-3  
 Prerequisite: SOCI 1101  
 Methods of applied social research including case studies, record research, experimental designs, surveys, observation, and systems interactions in relation to social data.

**SOCI 3500 SOCIAL PROBLEMS** 3-0-3  
 Prerequisite: SOCI 1101  
 Examination of contemporary social problems such as deviance, crime, inequality, ageism, sexism, and institutional crisis in the context of sociological theory.

**SOCI 3950 RESEARCH IN THE SOCIAL AND BEHAVIORAL SCIENCES** V-V-(1-5)  
 Prerequisite: Permission of Instructor and/or Department  
 Open to Juniors or above. Uncompensated research assigned by a faculty member using methods appropriate to the discipline. Evaluation by a rotating committee of the faculty before initiation and upon completion. Up to five (5) credit hours in one discipline, for a maximum of ten (10) credit hours.

**SOCI 4010/4020/4030 SPECIAL TOPICS IN SOCIOLOGY** 3-0-3  
 Prerequisite: SOCI 1101  
 Upper-level courses not otherwise offered in the sociology curriculum. Various substantive topics, theoretical issues and problems. Possibility to repeat with different topics. No more than two such courses counted in the minor.

**SOCI 4300 ALCOHOL AND DRUG STUDIES** 3-0-3  
Prerequisite: SOCI 1101

Examination for the various forms of alcohol and drug abuse with emphasis on the stages of harmful dependence and addiction, including legal and social implications along with treatment and rehabilitation.

**SOCI 4500 INDEPENDENT STUDY** 3-0-3  
Prerequisite: SOCI 1101

By invitation of the professor. Open to transient students only by permission of the Dean of Arts and Sciences at AAU, and the student's home college.

**(SPAN) – Spanish**

**SPAN 1050 SPANISH FOR HEALTH CARE SYSTEMS** 3-0-3  
Communications skills to deal with Spanish speaking patients in a wide variety of clinical situations.

**SPAN 1001 ELEMENTARY SPANISH I** 3-0-3  
Spanish grammar, pronunciation, and oral comprehension. Introduction to the culture and civilization of the Spanish speaking world.

**SPAN 1002 ELEMENTARY SPANISH II** 3-0-3  
Prerequisite: SPAN 1001  
Spanish grammar, pronunciation, and oral comprehension. Introduction to the culture and civilization of the Spanish speaking world.

**SPAN 2001 INTERMEDIATE SPANISH** 3-0-3  
Prerequisite: SPAN 1002  
Continued development of reading, writing, listening, and speaking skills.

**SPAN 2002 INTERMEDIATE SPANISH II** 3-0-3  
Prerequisite: SPAN 2001  
Continued development of reading, writing, listening, and speaking skills.

**SPAN 3031 SPANISH CONVERSATION & COMPOSITION** 3-0-3  
Prerequisite: SPAN 2002  
Conversational Spanish to develop greater oral proficiency and awareness of Hispanic culture. Review of grammar and syntax through guided essays.

**SPAN 3032 SPANISH CONVERSATION & COMPOSITION II** 3-0-3  
Prerequisite: SPAN 3031  
Continuation of Spanish 3031

**SPAN 3050 ADVANCED GRAMMAR & SYNTAX** 3-0-3  
Prerequisite: SPAN 2002  
Advanced grammar and syntax, exercises, essays, and translations.

**SPAN 3060 ADVANCED GRAMMAR AND SYNTAX FOR NATIVE SPEAKERS** 3-0-3  
Prerequisite: Permission of Instructor and/or Department  
Grammar and syntax for native speakers.

**SPAN 3111 CIVILIZATION AND CULTURE OF SPAIN** 3-0-3  
Prerequisite: SPAN 2001  
Historical survey from the pre-Roman era to the present.

**SPAN 3120 CIVILIZATION AND CULTURE OF LATIN AMERICA** 3-0-3  
Prerequisite: SPAN 2002  
Historical survey from the pre-Columbian era to the present.

- SPAN 3200 INTRODUCTION TO LITERATURE** 3-0-3  
Prerequisite: SPAN 3031  
Analysis of Hispanic poetry, prose, and drama.
- SPAN 3210 SURVEY OF SPANISH PENINSULAR LITERATURE I** 3-0-3  
Prerequisite: SPAN 3050, SPAN 3200, SPAN 3031  
Analytical methods and approaches toward understanding the literary tradition in Spain from the jarchas to the Illustration, while including medieval and Golden Age literature.
- SPAN 3220 SURVEY OF SPANISH PENINSULAR LITERATURE II** 3-0-3  
Prerequisite: SPAN 3050, SPAN 3200, SPAN 3031  
Analytical methods and approaches toward understanding the literary tradition in Spain from the Illustration to the present. Focus on Romanticism, the Generation of 1898, the Generation of 1927, and post-civil war literature.
- SPAN 3230 SURVEY OF SPANISH AMERICAN LITERATURE I** 3-0-3  
Prerequisite: SPAN 3050, SPAN 3200, SPAN 3031  
Analytical methods and approaches toward understanding the literary tradition in Spanish America through representative samples of indigenous works, Chronicles of the Indes, the Baroque, Romanticism, and Modernism.
- SPAN 3240 SURVEY OF SPANISH AMERICAN LITERATURE II** 3-0-3  
Prerequisite: SPAN 3050, SPAN 3200, SPAN 3031  
Analytical methods and approaches toward understanding the literary tradition in Spanish America through representative works of the Mexican Revolution, Telluric novels, pre-Boom, Boom, and post-Boom.
- SPAN 3510/3520 STUDY ABROAD** 3-0-3  
Prerequisite: SPAN 1001  
A term of study in conjunction with the University System of Georgia. Intensive instruction complemented by excursions. Must have a 3.0 minimum GPA in all previous Spanish course work.
- SPAN 4010 SPECIAL GENRE** 3-0-3  
Prerequisite: SPAN 3200  
Hispanic literature: subject announced when course offered.
- SPAN 4020 SPECIAL AUTHOR** 3-0-3  
Prerequisite: SPAN 3200  
Hispanic literature: subject announced when course offered.
- SPAN 4030 SPECIAL TOPICS** 3-0-3  
Prerequisite: SPAN 3200  
Hispanic literature: subject announced when course offered. Thematic studies such as "the picaresque," "the anti-hero," etc.
- SPAN 4040 SPANISH PHONETICS** 3-0-3  
Prerequisite: SPAN 2002  
Spanish phonological system.
- SPAN 4060 CONTEMPORARY SPANISH AMERICAN NOVEL** 3-0-3  
Prerequisite: SPAN 3200  
Analytical methods and approaches toward understanding the twentieth-century novel and its impact on world literature. Discussion of magical realism, marvellous realism, the testimonial novel, and the novel of the director.

**SPAN 4070 CONTEMPORARY SPANISH PENINSULAR NOVEL 3-0-3**

Prerequisite: SPAN 3200

Analytical methods and approaches toward understanding the novel and its impact on world literature. Discussion of Realism, Naturalism, the Generation of 1898, and the effects of Franco's dictatorship on contemporary literature.

**SPAN 4080 SPANISH PENINSULAR THEATRE 3-0-3**

Prerequisite: SPAN 3200

Analytical methods and approaches toward understanding the development of a national drama from the auto de fe, the Golden Age honor plays, Romanticism and don Juanismo, the esperpento, as well as works confronting Franco's Dictatorship.

**SPAN 4090 SPANISH AMERICAN THEATRE 3-0-3**

Prerequisite: SPAN 3200

Analytical methods and approaches toward understanding the development of drama ranging from imitative models that upheld authority through that of social protest and revolution to bring about change throughout Spanish America.

**SPAN 4100 SPANISH PENINSULAR POETRY 3-0-3**

Prerequisite: SPAN 3200

Analytical methods and approaches toward understanding Spanish poetry including the jarchas, the medieval epic, la cuaderna via, the Golden Age, the romancero, etc.

**SPAN 4110 SPANISH AMERICAN POETRY 3-0-3**

Prerequisite: SPAN 3200

Analytical methods and approaches toward understanding Spanish American poetry including the Baroque, Neo-Classical, Romanticism, Modernism, the Avant-Garde, and contemporary trends.

**SPAN 4900 INDEPENDENT STUDY 3-0-3**

Prerequisite: Permission of Instructor and/or Department, SPAN 2002

Open to transient students only with permission of the Dean of Faculty at AASU and the student's home college.

**SPAN 4990 LANGUAGE INTERNSHIP V-V-(1-3)**

Prerequisite: Permission of Instructor and/or Department

Open to Juniors or above. Individually designed project involving off-campus instruction at the school level (grades 1-6). Three preparation hours toward one hour of classroom instruction. Supervision by sponsoring institution and Spanish faculty member and coordinated by intern, faculty member, and classroom teacher. Student must have earned a 2.75 minimum overall GPA, a 3.0 GPA in Spanish, and have departmental internship committee recommendation.

**(THEA) – Theatre****THEA 1100 THEATRE APPRECIATION 3-0-3**

Theatre as an art form and a profession. Including the various roles of the playwright, actor, designer, director, stage manager, and theatre manager; the collaborative nature of theatre; the relationship of theatre to other art forms.

**THEA 1200 INTRODUCTION TO THEATRE 3-0-3**

Theatre from the Greeks to the present, exploring diverse historical and cultural movements manifested in, reflected in, and often shaped by the drama.



- THEA 2270 THEATER LAB** 0-1-1  
Prerequisite: ENGL 1101  
Practical experience in the theatre. The student will work on or back stage during an approved Masquers' or departmental production. Only one hour of credit may be earned per term. The maximum total credit permitted is three semester hours. Offered each semester.
- THEA 2410 ORAL INTERPRETATION** 3-0-3  
Prerequisite: Eligibility for ENGL 1101  
Oral interpretation of poetry, prose and drama. Methods of literary analysis and vocal techniques needed to communicate an author's mood and meaning.
- THEA 3000 INTRODUCTION TO ACTING** 3-0-3  
Basic acting which focuses on stage movement, fundamentals of voice and diction, improvisation, dramatic imagination, memory, and scene analysis. Performance of scenes and monologues from contemporary drama.
- THEA 3030 CREATIVE DRAMATICS AND CHILDREN'S THEATRE** 3-0-3  
Exploration of the various elements which make up a dramatic event, including improvisational-based acting and story telling, can be used as teaching devices.
- THEA 3040 STAGECRAFT** 3-0-3  
Systematic introduction to the fundamentals of scenic design, construction and rigging. The course relies heavily on hands-on instruction with the tools, techniques and materials used in mounting a stage production.
- THEA 3270 VIDEO LAB** 0-1-1  
Prerequisite: ENGL 1101  
Practical experience in video production through work on approved projects under supervision of AASU's video production coordinator. Only one hour of credit may be earned per term. Repeatable up to three hours.
- THEA 3400 HISTORY OF FILM** 3-0-3  
Prerequisite: ENGL 2100 or PHIL 2201 or PHIL 2251  
History and development of cinema from the silent period to the present time.
- THEA 3420 ACTING II** 3-0-3  
Prerequisite: THEA 3000 or Permission of Instructor and/or Department  
Characterization and styles of acting; historical, critical, practical, theoretical, and experimental perspectives. Emphasis on development of performance skills.
- THEA 3440 HISTORY OF THEATRE I** 3-0-3  
Theatrical art from its beginnings through the Elizabethan period, emphasizing theatrical conventions of Greek, Roman medieval, and Elizabethan theatre.
- THEA 3450 HISTORY OF THEATRE II** 3-0-3  
Theatrical art of the world, emphasizing theatrical conventions from the Restoration to the present.
- THEA 3460 PLAY DIRECTING** 3-0-3  
Prerequisite: ENGL 1101  
Theory and practice of play directing, including preparing and executing short scenes and plays.
- THEA 3470 THEATRE MANAGEMENT** 3-0-3  
Prerequisite: ENGL 1101  
Theory and practice in theatre management. Including budget planning, box office, publicity, royalties, and other aspects of management.

- THEA 3490 TELEVISION THEORY & CRITICISM** 3-0-3  
Prerequisite: ENGL 2100 or PHIL 2201 or PHIL 2251  
Television theory and criticism with special emphasis on television as a media form.
- THEA 3500 INTRODUCTION TO FILM** 3-0-3  
Prerequisite: ENGL 2100 or PHIL 2201 or PHIL 2251  
Emphasis on the critical appreciation of film as an art form.
- THEA 3510 FILM AND LITERATURE** 3-0-3  
Prerequisite: ENGL 2100 or PHIL 2251  
Relationship between film and literature with special emphasis on the adaptation of literature into film.
- THEA 4000 SPECIAL TOPICS IN THEATRE** V-V-3  
Prerequisite: ENGL 1101  
Subject announced when course offered. Subjects vary, such as: classical acting styles, absurdist drama, stage combat, scenic painting
- THEA 4470 STAGE MANAGERS AND DESIGNERS LAB** 0-2-2  
Prerequisite: Permission of Instructor and/or Department  
Practical experience in stage management, set, light or costume design. Course repeatable to a maximum of 6 credit hours.
- THEA 4500 DRAMA WORKSHOP** 0-3-3  
Prerequisite: ENGL 1101  
Summer stock theatre: all aspects of production.
- THEA 4510 DRAMA WORKSHOP** 0-3-3  
Prerequisite: ENGL 1101  
Summer stock theatre: all aspects of production.
- THEA 4900 INDEPENDENT STUDY** 3-0-3  
Prerequisite: Open to Seniors. ENGL 1101  
Independent study in drama, offered on demand. Open to transient students with permission of Dean of Faculty at AAU and the student's home college.
- THEA 4950 CAPSTONE-SENIOR THESIS/PROJECT** V-V-3  
Prerequisite: Permission of Instructor and/or Department  
Open to Seniors. Proposal and execution of a major research project or performance demonstrating a mastery of methods, content or techniques in area of specialization. Proposal must be accepted by drama faculty.
- THEA 4990 INTERNSHIP** V-V-(1-12)  
Prerequisite: Permission of Instructor and/or Department  
Open to juniors. Offered by specific arrangement. Student prepares an individually designed project involving off-campus work/study research.
- THEA 5010U TOPICS IN FILM** 3-0-3  
Prerequisite: ENGL 2100, PHIL 2201, PHIL 2251  
Special topics in film announced when the course is offered.
- THEA 5020U FILM THEORY AND CRITICISM** 3-0-3  
Prerequisite: PHIL 2201, PHIL 2251, or ENGL 2100  
Introduction to the history of film theory and criticism, including classical and contemporary film theories and their applications to film criticism. Examination of classical film aesthetics, form, language realism and formalism as well as contemporary approaches to film criticism. Application of various theoretical perspectives to selected filmic texts.

**Business Education Courses (Savannah State University)****(ACCT) – Accounting**

**ACCT 2101: Principles of Financial Accounting** 3-0-3

Prerequisites: MATH 1111; CSCI 1130

A study of the underlying theory and application of financial accounting concepts.

**ACCT 2102: Principles of Managerial Accounting** 3-0-3

Prerequisite: ACCT 2101

A study of the underlying theory and application of managerial accounting concepts.

**(BUSA) – Business Administration**

**BUSA 1100: Introduction to Business** 3-0-3

An integrative study of the functional areas of business (finance, operations, marketing, human resources, etc.)

**BUSA 2105: Communicating in The Business Environment** 3-0-3

Prerequisites: ENGL 1101, 1102; CSCI 1130

A course emphasizing both interpersonal and organizational communications; to include written and oral exercises appropriate to business practice.

**BUSA 2106: The Environment of Business** 3-0-3

Prerequisite: BUSA 1100

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

**BUSA 4125: Public Policy** 3-0-3

Prerequisite: MGNT 3165

This course examines the external environment of the firm and ways in which the environment influences business decision making and business operations. It integrates all parts of business environment into a balanced analysis of the whole business system and develops a conceptual framework that can be helpful in business policy formulation. The course also attempts to forecast the future shape of business and its environment.

**BUSA 4126: Business Policy** 3-0-3

Prerequisite: All FKB courses and Senior standing

This is a capstone course in the College of Business Administration and is 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 will develop skills in, and appreciation of, the role of all managers in the formulation and implementation of organizational strategies.

**(CISM) – Computer Information Systems**

**CISM 3135: Advanced Computer Applications in Business** 3-0-3

Prerequisite: Junior standing

This course is designed to expose students to various software and hardware so they can use current technology to solve real-world business problems. The course will include spreadsheet software, graphics software, presentation software, and database management software. Students will explore the Internet, including e-mail, telnet, gopher, FTP, World Wide Web, Web page publishing, and browser usage.

**(ECON) – Economics****ECON 2105: Principles of Micro-Economics** 3-0-3

Prerequisites: MATH 1111; BUSA 1100

This principles of economics course is intended to introduce students to concepts that will enable them to understand and analyze the structure and performance of the market economy.

**ECON 2106: Principles of Macro-Economics** 3-0-3

Prerequisites: MATH 1111; BUSA 1100

This principles of economics course is intended to introduce students to concepts that will enable them to understand and analyze economics aggregates and evaluate economic policies.

**ECON 3145: Global Business Issues** 3-0-3

Prerequisites: ECON 2105, ECON 2106 and Junior standing.

This course is designed to provide a survey of environmental factors such as culture, economics, law, and politics, which affect international business decision-making. The impact of the globalization of markets and competition as well as the increasing role of multinational corporations is emphasized.

**(FINC) – Finance****FINC 3155: Business Finance** 3-0-3

Prerequisites: ECON 2105, 2106; ACCT 2102; QUAN 2182 and Junior standing

This course is designed to introduce financial management of non-financial corporations and the role of interest rates and capital markets in the economy. Topics 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.

**(MGNT) – Management****MGNT 3165: Organizational Behavior and Theory** 3-0-3

Prerequisites: ECON 2105, 2106

This course is concerned with the study of management theory and practice and their impact on organizations. Individual and group behavior within organizations and their relationship to the management of the organization are topics of study. Additionally, a number of important topics are covered, such as the functions and structures of management in the organizational environment, communications, leadership, human resource management, and organizational development and change, and their effect on both productivity and performance. Emphasis is placed upon an understanding of the social, psychological, and cultural aspects of the work situation.

**MGNT 3167: Management of Technology** 3-0-3

Prerequisites: MGNT 3165; CISM 3135

This course is designed to train future business managers—the users of information technology systems to use all the tools necessary to exploit information technology. The course will train students to develop an information systems strategy that will support the business strategy by exploiting current information technologies. The course will also review the functions of information systems in a business organization, critical success factors of introducing new technology, and the steps of introducing new information systems into organizations.

**(MKTG) – Marketing****MKTG 3175: Principles of Marketing**

3-0-3

Prerequisites: ECON 2105

This course provides 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, services marketing, and nonprofit marketing are explored.

**(QUAN) – Quantitative Methods****QUAN 2181: Quantitative Methods of Business I**

3-0-3

Prerequisite: MATH 1111

This course covers the necessary elements of statistics, analytic geometry, and calculus needed to develop a mathematical foundation for advanced business studies.

**QUAN 2182: Quantitative Methods of Business II**

3-0-3

Prerequisite: QUAN 2181

This course provides an introduction to the methods of scientific inquiry and statistical inference. Subjects covered are sampling, parameter estimating, hypothesis testing, determination of the nature and strength of relationships among variables, decision theory, time series analysis and non-parametric methods. The course develops the student's proficiency in the use of statistical software. Spreadsheets and statistical packages are used extensively.

**QUAN 3185: Quantitative Methods and Production Management**

3-0-3

Prerequisite: QUAN 2182 and Junior Standing

This course introduces the student to selected advanced quantitative methods. It is designed to facilitate the development of a basic understanding of operations management from the strategic viewpoint through Shop Floor Control Methodology.

**Criminal Justice Training Center Courses****CJTC 0071 BASIC LAW ENFORCEMENT SERVICES**

6-1-5

Prerequisites: Admission to the Basic Law Enforcement Mandate Training Program.

An introduction to the fundamentals of criminal investigation, crime scene processing, fingerprinting, law enforcement, report writing, interviews and interrogation, and ethics.

**CJTC 0072: Basic Law**

5-0-5

Prerequisites: Admission to the Basic Law Enforcement Mandate Training Program.

Designed to focus on the Georgia Criminal Justice System, Georgia Law, rules of evidence, criminal procedures, and officer liability.

**CJTC 0073: Basic Law Enforcement Procedures**

5-V-5

Prerequisites: Admission to the Basic Law Enforcement Mandate Training Program.

This course covers the topics of cultural diversity, police patrol, courtroom testimony, NCIC/GCIC communications and officer survival.

**CJTC 0074: Basic Traffic Services**

3-V-3

Prerequisites: Admission to the Basic Law Enforcement Mandate Training Program.

Designed to focus on traffic enforcement, traffic control, motor vehicle law, and accident reporting.

**CJTC 0075: Basic Law Enforcement Skills**

3-V-3

Prerequisites: Admission to the Basic Law Enforcement Mandate Training Program. This course focuses on firearms, mechanics of arrest, first aid / CPR, stress reduction, and universal precautions.

**CJTC 0076: Community Relations**

3-0-3

Prerequisites: Admission to the Basic Law Enforcement Mandate Training Program. This course focuses on interpersonal communication skills, media relations, crisis intervention, community policing, crime prevention, hazardous materials, and mental retardation.

**CJTC 0077: Law Enforcement Practicum**

0-V-6

Prerequisites: Admission to the Basic Law Enforcement Mandate Training Program. This course focuses on performance based training in the areas of firearms, crime scene processing, vehicle pullovers, fingerprinting, traffic direction and control, mechanics of arrest and booking procedures, critical incident management, hazardous materials and law enforcement report writing.

**Military Science Courses****MILS 1101 Introduction to Military Science and Skills Development**

2-1-2

Instruction provides a basic understanding of the U.S. Army and its role in National Defense. 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 non-commissioned officer. Skill's development includes instruction and practical exercises in basic mountaineering skills including knot tying, climbing, belaying, and rappelling. Acceptable as a P.E. requirement.

**MILS 1102 Basic Military Leadership**

2-1-2

Development of critical military skills, leadership, and management techniques. Provides basic leadership techniques and principles, professional ethics, and senior subordinate relationships. One weekend field trip is required.

**MILS 2201 Basic Military Skills**

2-1-2

Instruction and practical exercises covering basic skills necessary as a future leader in the U.S. Army. Includes the following subjects: land navigation and map reading, basic first aid, survival, and communications.

**MILS 2202 Basic Military Tactics**

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 communications techniques; and introduction to troop leading procedures.

**MILS 2250 Basic Field Internship**

V-V-5

Intense summer program conducted at Ft. Knox, Kentucky, for six weeks. Designed as an alternative method to meet the prerequisites of the advanced course for students who have had no basic course military science instruction.

**MILS 3301 Advanced Tactics and Applied Leadership I**

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 3302 Advanced Tactics and Applied Leadership II** 3-2-3

Continued instruction on the principles of leadership and the leaders' role in direction small units in a tactical environment. Emphasis is placed on offensive and defensive tactics, patrolling techniques, and conducting after action reviews. Instruction on management and leadership techniques emphasizes Green Tab Leadership and leadership assessment.

**MILS 3350 Advanced Military Skills Practicum (Advanced Camp)** V-V-5

Practical application of military skills and leadership ability during a six week encampment experience. Encampment and training is conducted at Ft. Lewis, WA. Instruction and evaluation done by U.S. Army ROTC Cadet Command.

**MILS 4401 Military Leadership and Management Seminar** V-V-5

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 4402 Transition to an Army Lieutenant** 1-3-2

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 an individual needs to become a professional officer.

**Naval Science Courses****NSCI 1001 Introduction to Naval Science** 2-0-2

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. *Fall*

**NSCI 1002 Seapower and Maritime Affairs** 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. *Spring*

**NSCI 1003 Sailing** 2-2-3

A foundation course that provides students with fundamental knowledge and skills to be a competent crew member. The course covers the basic theory of sailing, nomenclature, seamanship, boat equipment and safety, and applicable inland waters navigation rules for sailing craft. Upon completion of this course, students will be Skipper "B" qualified. (Practical skills to be mastered consist of rigging and sailing from a pier: sail to weather; sail two figure eight courses with two tacks and two jibes; man overboard maneuver; a capsize; return to dock and secure.) (Prerequisites: Student must be certified as a Third Class swimmer.) (PE Credit) *Spring*

**NSCI 2001-2002 Navigation I & II** 2-2-3

$\mu$ An in-depth study of piloting and celestial navigation theory, principles, and procedures, as well as the rules of the nautical road, ship employment and relative motion analysis. Students learn piloting navigation: the use of charts, visual and electronic aids, and the theory and operation of compasses. Celestial navigation is covered in depth. Students develop practical skills in piloting, celestial navigation, and relative motion analysis. Other topics include tides, currents, effects of wind and weather, use of navigational instruments, ship employment, types and characteristics of electronic navigation systems, naval command and control, and afloat naval communications. *Fall/ Spring Sequence*

- NSCI 3001 Naval Ships Systems I (Engineering)** 3-0-3  
A detailed study of ship characteristics and types, including ship design, hydrodynamic forces, stability, compartmentation, 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. *Spring*
- NSCI 4001 Naval Ships Systems II (Weapons)** 3-0-3  
This course outlines the theory and employment of naval RADAR, SONAR, and weapons systems. Students explore the processes of detection, evaluation, threat analysis, weapon selection, delivery, guidance and naval ordnance. Fire control systems, major weapons types, and military platforms are discussed. The concept of command-control-communications and intelligence is explored as a means of weapons systems integration as are space and electronic warfare. *Fall*
- NSCI 3002 Evolution of Warfare** 5-0-5  
This course traces the historic development of warfare from the dawn of recorded history to the present, focusing on the impact of major military theorists, strategists, 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. *Fall* (Juniors and Seniors Only)
- NSCI 4002 Amphibious Warfare** 5-0-5  
A historical survey of the development of amphibious doctrine and the conduct of amphibious operations. Emphasis is placed on the evolution of amphibious warfare in the 20th century, especially, during World War II. Present day, potential, amphibious operations and their limitations, including the rapid deployment force concept, will be discussed. *Spring* (Juniors and Seniors Only)
- NSCI 4003/4004 Advanced Leadership and Management I & II** 1-0-1  
A study of leadership responsibilities of a junior Naval Officer. These courses are intended to help the student develop leadership abilities that they can use in an ethical manner. Items of study will include: case studies in leadership and the ethical use of power and authority; military justice; directive and correspondence; naval personnel administration; material management and maintenance; and the navy supply system. The student will prepare for the personnel and professional responsibilities of a Junior Officer. (Prerequisite: Promulgated by Commanding Officer.) *Fall/Spring Sequence*
- NSCI 4005 Advanced Leadership and Management III** 1-0-1  
Personnel administration for the U.S. Marine Corps Junior Officer. Topics covered will include: directive and correspondence; Marine Corps personnel administration; material management and maintenance; and the Marine Corps supply system. The student will prepare for the personnel and professional responsibilities of a Junior Marine Corps Leader. (Prerequisite: NSC 4003.) *Spring* (Seniors Only)
- NSCI 4500 Naval Drill** 0-2-0  
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. Successful completion of two semesters by NROTC students satisfies the University's Physical Education requirement. (NSC 450 is required each semester for all NROTC students.) *Fall and Spring*



# Special Programs

## Study Abroad Programs

The Study Abroad Programs (SAP) of the University System of Georgia provide students with a multitude of opportunities to study abroad while earning academic credit toward completion of the degree requirements at their home campus. The SAP currently offer summer study abroad programs in Western and Eastern Europe, the Russian Federation, Estonia and the Baltic states, Canada, Israel, Argentina, Brazil, Costa Rica, Mexico, China, Japan, Australia, Ethiopia, Tanzania, and Ivory Coast. The SAP also offer semester and academic year opportunities in several countries in Western Europe.

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

The SAP are open to all undergraduate students with a minimum cumulative GPA of 2.5; however, certain programs may require a higher GPA and completion of prerequisites. Graduate students are required to have a 3.0 GPA. Students in the University System of Georgia who are eligible for financial aid may use that aid toward the SAP programs. A limited number of scholarships are available from some system institutions. For further information, see the Vice President and Dean of Faculty, or contact the System Coordinator for Study Abroad Programs, International Services and Programs, the University of Georgia, Athens, GA 30602. Telephone: (706) 542-1557. FAX: (706) 542-6622.

## The Freshman Experience

### Freshman Orientation Program

In order to assist freshman students in making the transition to college life, the university encourages new students to enroll in US 101. In addition to the course content, enrolled students will receive special advising and other services. The course is described as follows:

**AASU 1101 University Studies: Strategies for Success** (2-0-2)  
Skills, information, and guidance useful for success in college while focusing on the purposes of higher education, the roles of the student, and the resources available within the university for academic success and career choices.

## Learning Support

### Faculty

Geoffroy, Cynthia, Department Head

Childress, Beth

Jones, Dianne

Josten, Denise

Oglesby, Edward

McMillan, Charlotte

Remler, Nancy

Richardson, Edwin

Smith, Carolyn

The Learning Support Program is intended to serve students who are not prepared for core curriculum courses and need additional learning support in reading, mathematics, and English. Two categories of students may be served within the overall Learning Support Program, of which University System required learning support courses make up a significant component. First, students are required to take learning support courses when they fall below either the University System minimum requirements or Armstrong's minimum requirements on the CPE. Second, students may elect to take learning support

courses without penalty in order to prepare for the core. The department also administers the Regents' Remediation course in reading.

Limited admission students must enroll in accordance with the stipulations of their admission (see the Limited Admission section of this catalog). Those entitled to Veterans Administration educational benefits may be certified for no more than 45 credit hours in departmental courses, if these courses are required for regular admission. At most, 15 hours may be certified in each of the English, mathematics, and reading areas.

If a required learning support student fails the same learning support course twice, then the student is subject to a one year suspension. If a student fails to complete requirements for a learning support area within three (3) attempts, the student will be suspended and may not be considered for readmission within three (3) years of suspension. Prior to suspension, the student may appeal to the departmental review committee for one additional course. An "attempt" occurs when a student receives any grade or symbol except "W" in a learning support course, whether required or voluntary.

Students who are enrolled in or wish to register for required learning support courses must come to the Department of Learning Support for advisement.

Students taking learning support courses after having earned 20 hours of coursework above the 99 level may register for only required learning support courses. A complete list of learning support policies is available in the Department of Learning Support.

## Basic Law Enforcement Certificate Program

### Faculty

Sewell, G. Gregory, Department Head

Eustace, John

Washington, Warren

Keele, Robert

Watkins, Maurice

Sullivan, Wynn

The Basic Law Enforcement Certificate Program enables students to become candidates for Georgia Law Enforcement Certification. Students wishing to enroll in this Certificate Program must come to the Criminal Justice Training Center for advisement. A detailed admittance package is also available at the Criminal Justice Training Center.

### Admission Requirements

#### A. Traditional Applicants:

1. High School diploma or have completed the GED satisfactorily.
2. SAT/ACT scores are required.
3. Exempt from the College Preparatory Curriculum requirements.
4. CPE or COMPASS Examination required if SAT/ACT is lower than 430-verbal, and/or 400-math.

#### B. Non-Traditional Applicants: (have not attended high school or college within the previous five years and have earned fewer than 15 transferable semester hours of college credit)

1. High School diploma or have completed the GED satisfactorily.
2. Exempt from SAT/ACT requirement and from College Preparatory Curriculum requirements.
3. CPE or COMPASS Examination required unless student reports SAT/ACT scores at the level of 430-verbal, and 400-math, or above.

For students who take no courses with a learning support prerequisite in an area (or areas) the learning support requirements in that area (or areas) are not mandatory.

### C. Transfer Applicants:

1. Applicants with less than 30 transferable semester hours will be subject to traditional applicant standards unless they meet the definition of a non-traditional student.
2. Applicants with 30 or more transferable semester hours must have at least a 2.0 GPA.

Any student admitted to a certificate program who chooses to pursue an Armstrong Atlantic State University degree must meet all university and program admission requirements.

## **Military Science Program (Army ROTC)**

### **Faculty**

Jones, Zane H., Captain, Department Head

Tisdale, Kattie M.

Pullins, Tommie L.

The Army Department of Military Science is a Senior Division Reserve Officer Training Corps (ROTC), Instructor Group, staffed by active Army personnel. The department provides a curriculum available to Armstrong Atlantic State University and Savannah State University students that qualifies the college graduate for a commission as an officer in the United States Army, United States Army Reserve, or the United States National Guard. Qualifying for a commission adds an extra dimension to the student's employment capability in that, upon graduation from the university, the student has either military or civilian employment options. Enrollment in Military Science classes is open to all students.

The course of study offered in military science is designed not only to prepare both the student for service as a commissioned officer in the United States Army but also to provide knowledge and practical experience in leadership and management that will be useful in any facet of society. Male and female students are eligible for enrollment. Each student is provided with a working knowledge of the organization and functioning of the Department of Defense and the role of the U.S. Army in national security and world affairs.

The course of study pursued by students during their freshman and sophomore years is the basic military science course and/or related skill activities. The course of study normally pursued by students during their junior and senior years is the advanced military science course.

For selection and retention in the advanced course, a student must be physically qualified, should have maintained above average military and academic standing, and must demonstrate a potential for further leadership development.

Graduates of the advanced course are commissioned second lieutenants in the United States Army, United States Army Reserve, or the United States National Guard in the branch of service most appropriate to their interests and academic achievements, consistent with the needs of the Army. Regardless of the Branch selected, all officers will receive valuable experience in management, logistics and administration. Graduates may be granted a delay in reporting for duty for graduate study, if requested. A small number of outstanding students are designated Distinguished Military Graduates and are offered commissions in the Regular Army each year.

## **Basic Military Science**

Basic military science courses involve four semesters during the freshman and sophomore years. The student learns leadership and management and acquires essential background knowledge of customs and traditions, weapons, map reading, tactics and survival. Equally important, these courses have the objective of developing the student's self-discipline, integrity and sense of responsibility.

## **Advanced Military Science**

The general objective of this course of instruction is to produce junior officers who by education, training, attitude and inherent qualities are suitable for continued development as officers in the Army. There are two avenues available for the student to be eligible for entry into the advanced program and obtain a commission as a second lieutenant.

- (a) satisfactory completion of, or placement credit for, the basic program at Armstrong Atlantic or at any other school, college or university offering basic ROTC and meeting the entrance and retention requirements established by the Army.
- (b) to be an active duty veteran or junior ROTC cadet graduate eligible for placement credit.

## **Placement**

Veterans entering the military science programs will receive appropriate placement credit for their active military service. Students who have completed military science courses in military preparatory schools or junior colleges may be given appropriate credit. Students with at least three years of high school ROTC may also be granted placement credit. Placement credit or four semesters of basic military science, or the equivalent thereof, is a prerequisite to admission into the advanced program.

## **Alternate Programs for Admittance**

Students with two years of coursework remaining, but who have not completed basic military science, are eligible to be considered for selection into the advanced military science program. Those selected under the provisions of the two-year advanced program must satisfactorily complete a basic summer camp of six weeks duration prior to entering the advanced program. Students attending the basic camp at Fort Knox, Kentucky, are paid at active army rates and given a travel allowance from their home to camp and return. Attendance at Basic Camp is voluntary and incurs no military obligation until the student returns and decides to sign a contract to pursue a commission.

## **Participating Students and Aliens**

Participating students are students who participate in Military Science courses but are not fully enrolled or are ineligible for enrollment in the ROTC programs. Participating and alien students may enroll in the Military Science classes provided they meet the requirements outlined in Army Regulations and are approved by the Department Head and/or school authorities. Although these students may enroll in military science classes, they may only participate in classroom instructions. They will not participate in any high risk training, drill, marching, leadership laboratories, field training exercises, voluntary programs, or attend basic or advanced camp. These students will also not be issued or wear the uniform, nor receive credit toward commissioning or enlisted grade status through completion of ROTC courses.

## **Advanced Summer Camp**

Students contracting to pursue the advanced courses are required to attend advanced summer camp, normally between their junior and senior academic years at Fort Bragg, North Carolina.

## Financial Assistance

All contracted advanced course cadets are paid a subsistence allowance of \$150 per month while enrolled in the advanced course.

## Scholarship Program

Each year the U.S. Army awards two- and three-year scholarships to outstanding young men and women participating in the Army ROTC program who desire careers as Army officers. The Army pays tuition, fees, books and laboratory expenses incurred by the scholarship student. In addition, each student receives \$150 per month for the academic year. The Savannah Volunteer Guards have established a full-tuition scholarship for qualified incoming freshmen enrolled in ROTC classes. No military obligation is incurred. The scholarship is for one year, with a possibility of renewal for the next school year. Individuals desiring to compete for these scholarships should apply to the Military Science Department.

## Army ROTC Uniforms, Books and Supplies

Students enrolling in the Army ROTC program will be issued U.S. Army uniforms, books and supplies by the Military Science Department. No fees or deposits of any kind will be required. Uniforms must be returned before commissioning or upon disenrollment from the ROTC program.

## MILS Courses

The basic course of four semester duration consists of two hours of instruction work per week. Students acquire knowledge of military leadership, weapons, tactics, basic military skills, and physical fitness. In field training exercises, potential for leadership is progressively developed. Basic course students are invited and encouraged to attend military science leadership laboratories and physical training sessions.

The advanced course consists of three hours of classroom work and one hour of leadership laboratory per week. During the spring quarter prior to advanced camp the student will enroll in MILS 3302 to prepare for attendance at Advanced Camp. HIST 3570 (American Military History) is normally taken spring semester of the senior year. The coursework during the advanced course emphasizes techniques and management and leadership and the fundamentals and dynamics of the military team. Field training exercises provide the student with applied leadership experiences. Participation in leadership laboratories and physical training sessions are mandatory.

## Professional Military Education (PME) Requirements

The Army's Professional Military Education requirements are established to provide cadets with the training and enrichment necessary to successfully compete in the Army. In addition to completing a baccalaureate degree, the cadet must complete one undergraduate course from each of the five designed fields of study (Some of these requirements may be waived for nursing majors). The five PME designated fields of study are listed below and the courses that meet the Cadet Command PME requirement:

- A. Written Communications Skills: ENGL 1101, ENGL 1102, and ENGL 1102H
- B. Human Behavior: PSYS 1101, SOCI 1101, HIST 1111, HIST 1112, and ANTH 1101.
- C. Math Reasoning: MATH 1011 and MATH 1113.
- D. Military History: HIST 3570.
- E. Computer Literacy: CSCI 1112, CSCI 1301, and CSCI 2060.

## Minor Concentration

The department offers a minor in Military Science. The program is designed to prepare the student for a commission in the United States Army and is offered to, but not

required of, those students participating in the advanced course of Army ROTC instruction. Whatever the major, a Military Science minor will strengthen the student's management, leadership, and interpersonal communication skills. The minor requires:

Twenty credit hours with grades of "C" or better in any of the following upper division military science courses: MILS 1101, MILS 1102, MILS 2201, MILS 2202, MILS 2250, MILS 3302, MILS 4401, MILS 4402 and HIST 3570.

## Naval Science Program (Naval ROTC)

### Faculty

CDR Welch C. Fair, Jr., USN, Department Head

CDR James M. Hicks, USN

MAJ Drexel D. Heard, USMC

LT Otto Willis, USN

LT Seth Kovensky, USN

GYSGT William L. Meekins, USMC

SKC Roberto A. Novoa, USN

YNC Arthur L. Best, III, USN

Naval Reserve Officer Training Corps (NROTC) prepares students for commissioned service as regular or reserve officers in the Navy and Marine Corps.

The department offers a minor in Naval Science. The program is designed to prepare the student for a commission in the United States Navy and is required of those NROTC students who will obtain a commission. All course work must be completed with a grade of "C" or better.

### Minor in Naval Science

NSCI 1001	Introduction to Naval Science	2-0-2
NSCI 1002	Seapower and Maritime Affairs	3-0-3
NSCI 2001	Navigation I	2-2-3
NSCI 2002	Navigation II	2-2-3
NSCI 3001	Naval Ships Systems I (engineering)	3-0-3
NSCI 4001	Naval Ships Systems II (weapons)	3-0-3

**Total Semester Hours** 17

### Naval Science Courses

NSCI 1001	Introduction to Naval Science	2-0-2
NSCI 1002	Seapower and Maritime Affairs	3-0-3
NSCI 1003	Sailing	2-2-3
NSCI 2001	Navigation I	2-2-3
NSCI 2002	Navigation II	2-2-3
NSCI 3001	Naval Ships Systems I (engineering)	3-0-3
NSCI 3002	Evolution of Warfare	5-0-5
NSCI 4001	Naval Ships Systems II (weapons)	3-0-3
NSCI 4002	Amphibious Warfare	5-0-5
NSCI 4003	Advanced Leadership and Management I	1-0-1
NSCI 4004	Advanced Leadership and Management II	1-0-1
NSCI 4005	Advanced Leadership and Management III	1-0-1
NSCI 4050	Naval Drill	0-2-0

## PROGRAM OF STUDY

### ALL MIDSHIPMEN:

NSCI 1001, 1002, 1003 .....	8 hours
Business Management .....	3 hours
(Courses satisfying the Management requirement will be promulgated by the Professor of Naval Science.)	

### Advanced Program - Navy Option:

NSCI 2001, 2002 .....	6 hours
NSCI 3001 .....	3 hours
NSCI 4001, 4003, 4004 .....	5 hours

### Advanced Program - Marine Corps Option:

NSCI 3002 .....	5 hours
NSCI 4002, 4003, 4005 .....	7 hours

### Additional and Substitute Requirements

NSCI 4050, Naval Drill (0-2-0), is required each academic term by all midshipmen. NSCI 1003, and 4050 satisfies the university physical education requirement.

### Navy Scholarship Midshipmen (additional requirements):

One year of Calculus (completed by the Junior Year) .....	6 hours
One year of Calculus Based Physics (completed by Senior Year) .....	6 hours
Computer Science .....	3 hours
Military History and Political Science .....	6 hours
(Specific courses that satisfy the above requirement will be promulgated by the Professor of Naval Science.)	

### Navy College Program Midshipmen (non-scholarship)

Must complete one year of Math, college algebra or higher, by the end of the Junior Year and one year of Physical Science by the end of the Senior Year as a prerequisite for commissioning. The Physical Science requirement can be met by completing a one year sequence, or two courses in any area of physical science. One Mathematics course may be selected from the field of computer science or statistics.

### Marine Corps Option

All Marine Corps Option students shall take, during the Junior or Senior Year, one course in Military History and one in Political Science (6 hours total) from a list approved by the Professor of Naval Science.

### NROTC Uniforms, Books, and Instructional Materials

NROTC uniforms, books and special instructional materials will be issued at no charge to Naval Scholarship and College Program students. Uniforms must be returned upon disenrollment from the NROTC Program. Books and other instructional materials must be returned at the completion of each academic term.

### Scholarship Programs Available

Scholarship programs are available that pay tuition, fees, books and laboratory expenses for highly motivated and qualified students. The programs can pay for up to four years of expenses and includes a \$150 per month, tax free, stipend. Additionally, the Professor of Naval Science has five scholarships to be awarded to qualified high school graduates.

**Financial Assistance**

All midshipmen in the advanced NROTC Program (Junior and Senior Years) are paid a \$150 per month, tax free, stipend.

**Summer Training Cruises**

Scholarship midshipmen will go on Summer Training Cruises during three of their summer inter-term periods. Other midshipmen will attend Summer Training Cruises based on their scholarship programs.



# Faculty/Administration

## Permanent, Full-Time Members of the Teaching Corps or Administrative Staff

(This list includes only individuals who have faculty voting privileges. The number in parentheses after the names represents the initial year of employment at Armstrong Atlantic State University. Asterisk indicates full graduate faculty status.)

**Aenchbacher, Louis E., III (1980)**

Athletic Director  
Associate Professor of Physical Education  
Ed.D., University of Georgia  
M.Ed., University of Georgia  
B.S., Armstrong State College

\***Agyekum, Stephen K. (1979)**

Professor of Education  
Ed.D., University of Georgia  
M.A., University of Georgia  
A.B., Johnson C. Smith University

**Andersen, Jody C. (1996)**

Assistant Professor of Physical Therapy  
Ph.D., Ohio University  
M.S., Texas Women's University  
B.S., Mankato State University

**Anderson, Gregory (1996)**

Director, Academic Orientation and Advisement  
Instructor of Education  
M.Ed., University of South Carolina  
B.A., Bridgewater State College

\***Anderson, James N. (1985)**

Head of Art & Music Department  
Professor of Music  
Ph.D., University of Texas at Austin  
M.M., University of Houston  
B.M.E., Wichita State University

\***Andrews, Carol M. (1988)**

Associate Professor of English  
Ph.D., Vanderbilt University  
M.A., Vanderbilt University  
B.A., Furman University

\***Arens, Olavi (1974)**

Professor of History  
Ph.D., Columbia University  
M.A., Columbia University  
A.B., Harvard University

**Awong-Taylor, Judy (1993)**

Assistant Professor of Biology  
Ph.D., University of Florida  
M.S., University of Florida  
B.S., University of the West Indies

\***Baker, Christopher P. (1994)**

Professor of English  
Ph.D., University of North Carolina  
M.A., University of North Carolina  
B.A., St. Lawrence University

**Ball, Ardella P. (1968)**

Associate Professor of Library Science  
Sc.D., Nova University  
M.S., Atlanta University  
A.B., Fisk University

\***Barnard, Jane T. (1980)**

Associate Professor of Mathematics  
Ed.S. Georgia Southern College  
M.S., Georgia Southern College  
B.S., Georgia Southern College

**Barton, Robin (1995)**

Assistant Professor of Special Education  
Ed.D., The College of William and Mary  
Ed.S., The College of William and Mary  
M.Ed., Virginia Commonwealth University  
B.S., Towson State University

\***Battiste, Bettye A. (1980)**

Associate Professor of Education  
Ed.D., University of Florida  
M.Ed., State University of New York  
B.S., Savannah State College

**Bennett, Katherine (1997)**

Associate Professor of Criminal Justice  
Ph.D., Sam Houston State University  
M.C.J., University of South Carolina  
B.S., University of South Carolina -  
Spartanburg

\***Bergin, Joyce (1992)**

Associate Professor of Education  
Ed.D., East Texas State University  
M.Ed., William and Mary College  
MLS Texas Woman's University  
B.A., Virginia Polytechnic Institute

\***Beumer, Ronald J. (1975)**

Professor of Biology  
Ph.D., University of Arkansas  
B.S., University of Dayton

- Blossman, M. Ellen (1995)**  
Associate Professor of Spanish  
Ph.D., Louisiana State University  
M.A., Louisiana State University  
B.A., Louisiana State University
- Bowers, Ross L., III (1979)**  
Head of Respiratory Therapy Department  
Assistant Professor of Respiratory Therapy  
MHS, Armstrong State College  
B.S., Georgia State University
- Brandt, Patricia (1995)**  
Assistant Dean of Education  
Associate Professor of Education  
Ed.D., Florida Atlantic University  
M.S., California State University  
B.A., Houghton College
- Brawner, James (1997)**  
Assistant Professor of Mathematics  
Ph.D., University of North Carolina  
Chapel Hill  
B.A., Williams College
- Brooks, Donna (1995)**  
Associate Professor of Special Education  
Ph.D., Purdue University  
M.A., Hampton Institute  
B.S., Hampton Institute
- Brown, George E. (1972)**  
Assistant Professor of Criminal Justice  
M.S.S.W., Atlanta University  
B.S.W., Armstrong State College  
A.B., Armstrong State College
- \*Brush, Sabitra S. (1993)**  
Assistant Professor of Chemistry  
Ph.D., Florida State University  
M.S., Florida State University  
B.S., University of the West Indies
- Buchanan, Scott R. (1998)**  
Assistant Professor of Music  
Ph.D., University of Missouri-Kansas City  
M.M.E., Florida State University  
B.M.E., Bradley University
- Buck, Joseph A., III (1968)**  
Vice President for Student Affairs  
Ed.D., University of Georgia  
M.S., Florida State University  
B.A., Auburn University
- \*Buck, Marilyn M. (1974)**  
Assistant Dean of Health Professions  
Professor of Nursing  
Ed.D., University of South Carolina  
M.S.N., Medical College of Georgia  
B.S.N., Boston University
- \*Burnett, Robert A. (1978)**  
President  
Professor of History  
Ph.D., University of North Carolina  
M.A., University of North Carolina  
B.A., Wofford College
- \*Butler, Frank A. (1985)**  
Vice President and Dean of Faculty  
Professor of Physics  
Ph.D., Rensselaer Polytechnic  
B.S.E.S., University of Miami
- \*Bykat, Alexander (1992)**  
Callaway Professor of Computer Science  
Ph.D., University of London  
M.Sc., University of London  
B.Sc., City of Leicester Polytechnic
- \*Byrd, James T. (1990)**  
Associate Professor of Chemistry  
Ph.D., Florida State University  
M.S.P.H., University of North Carolina  
A.B., University of North Carolina
- Caldwell, Eva (1987)**  
Assistant Professor of Nursing  
M.S.N., Medical College of Georgia  
B.S.N., Armstrong State College
- Canning, Rick (1996)**  
Assistant Professor of English  
Ph.D., University of Illinois  
M.A., University of Missouri\_Columbia  
B.A., Oklahoma Christian College
- Carpenter, Suzanne (1988)**  
Assistant Professor of Chemistry  
M.S., University of North Carolina-  
Chapel Hill  
B.S., Auburn University  
A.A., Lake-Sumter Junior College
- Cato, Thomas (1993)**  
Assistant Professor of Art  
Ed.D., University of Georgia  
M.Ed., Valdosta State College  
B.F.A., Valdosta State College
- Chenault, George S. (1992)**  
Assistant Professor of Education  
Ph.D., University of Iowa  
M.Ed., South Carolina State College  
B.S., South Carolina State College
- Childress, Beth (1990)**  
Assistant Professor of Reading  
M.A., New York University  
B.A., Temple University
- Clancy, Frank M. (1989)**  
Assistant Professor of English  
M.A., Villanova University  
B.S., Villanova University

**Clark, Sandra H. (1990)**

Assistant Professor of Nursing  
M.S.N., Medical College of Georgia  
B.S.N., Armstrong State College

**Coberly, Patricia (1996)**

Acting Head of Middle/Secondary  
Education Department  
Assistant Professor of Middle Grades  
Education  
Ed.D., University of Arkansas  
M.Ed., University of Arkansas  
B.S., Arkansas Tech University

**Coleman, Jo Ann (1996)**

Assistant Professor of Middle Grades  
Education  
Ed.D., East Texas State University  
M.A.T., University of Texas  
B.A., East Texas State University

**\*Connor, Sara E. (1980)**

Assistant Vice President for Academic  
Affairs  
Professor of Nursing  
Ed.D., University of Georgia  
M.S.N., Medical College of Georgia  
B.S.N., Medical College of Georgia

**Conway, Marian (1987)**

Assistant Professor of Nursing  
M.S.N., Medical College of Georgia  
B.S.N., Georgia College

**\*Cooksey, Thomas L. (1987)**

Associate Professor of English and  
Philosophy  
Ph.D., University of Oregon  
M.A., California Polytechnic State  
University  
B.A., University of California

**\*Cosgrove, Maryellen S. (1989)**

Acting Head of Early Childhood Education  
Department  
Professor of Education  
Ph.D., University of Connecticut  
M.A., University of Connecticut  
B.S., University of Connecticut

**Cottrell, Isabel D. (1992)**

Assistant Professor of Spanish  
Ph.D., Florida State University  
M.A., University of Texas at Arlington  
B.A., University of Texas at Austin

**Council, Roger L. (1991)**

Professor of Physical Education  
Ed.D., Indiana University  
M.S., Southern Illinois University  
B.S., Southern Illinois University

**Coursey, Teresa (1971)**

Assistant Professor of Dental Hygiene  
M.H.S., Armstrong State College  
B.S., West Liberty State College

**\*Crosby, Joseph (1995)**

Assistant Professor of Health Science  
Ph.D., University of Georgia  
B.S., University of Georgia

**Cross, Deanna S. (1989)**

Assistant Dean of Adult Academic Services  
Professor of Nursing  
Ph.D., Boston College  
M.S.N., Boston College  
B.S.N., University of Akron

**\*Dandy, Evelyn B. (1974)**

Professor of Education  
Ph.D., University of South Carolina  
M.Ed., Temple University  
B.S., Millersville State College

**Daugherty, William (1997)**

Assistant Professor of Political Science  
Ph.D., Claremont Graduate School  
B.A., University of California-Irvine

**Deaux, Patricia M. (1993)**

Assistant Professor of Library Science  
M.L.I.S., University of South Carolina  
B.F.A., University of Georgia

**Deaver, William (1994)**

Assistant Professor of Spanish  
Ph.D., Florida State University  
M.A., University of Virginia  
B.A., University of Virginia

**\*DiGioacchino, Rita (1995)**

Assistant Professor of Health Science  
Ph.D., University of South Carolina  
M.P.H., University of South Carolina  
B.S., State University of New York -  
Geneseo

**Dinnebeil, Mary Elizabeth (1995)**

Instructor of Library Science  
M.S., University of North  
M.S., Syracuse University  
B.A., Michigan State University

**\*Donahue, Michael E. (1993)**

Head, Government Department  
Associate Professor of Criminal Justice  
Ph.D., Michigan State University  
M.S., University of South Carolina  
B.A., University of North Carolina-  
Charlotte

**Douglass, W. Keith (1970)**

Professor of Psychology  
Ph.D., Syracuse University  
M.A., Syracuse University  
B.A., Franklin & Marshall College

**Dubus, Judy (1990)**

Assistant Professor of Library Science  
M.S., Florida State University  
A.B., University of Georgia

**\*Dumpe, David (1995)**

Assistant Professor of Health Science  
Ph.D., Kent State University  
M.S., University of Northern Colorado  
B.A., Capital University

**Dunn, Barbara (1994)**

Assistant Professor of Nursing  
M.S., St. Louis University  
B.S., Maryville College  
A.A., Maryville College

**Edenfield, Suzanne (1983)**

Assistant Professor of Dental Hygiene  
Ed.D., Nova Southeastern University  
M.H.S., Armstrong State College  
B.S., Armstrong State College

**\*Fertig, Barbara (1992)**

Associate Professor of History  
Ph.D., George Washington University  
B.S., Skidmore College

**\*Finlay, Mark (1992)**

Associate Professor of History  
Ph.D., Iowa State University  
M.A., Iowa State University  
B.A., Grinnell College

**Fisk, Leonard (1997)**

Assistant Vice President for Technology  
Professor of Computer Science  
Ph.D., University of California-Irvine  
M.A., University of Nevada  
B.S., California State University-Hayward

**Fox, Patricia (1993)**

B.A., University of Pittsburgh  
M.A., Northeastern University  
M.A., San Diego State University

**Frazier, Douglas R. (1991)**

Assistant Professor of Library Science  
M.L.S., University of Washington  
B.A., Western Washington State College

**Fuller, Ann (1997)**

Assistant Professor of Library Science  
M.L.I.S., University of South Carolina-  
Columbia  
B.A., Armstrong State College

**Garcia, Migdalia (1996)**

Assistant Professor of Education  
Ed.D., Vanderbilt University  
M.Ed., University of Puerto Rico  
B.A., University of Puerto Rico

**Geoffroy, Cynthia D. (1978)**

Head of Department of Learning Support  
Assistant Professor of Mathematics  
M.S., University of South Carolina  
B.A., Westfield State College

**Gibson, Sharyn (1983)**

Head of Radiologic Sciences  
Assistant Professor of Radiologic  
Technologies  
Ed.D., Nova Southeastern University  
M.H.S., Armstrong State College  
B.S., St. Joseph's College  
A.A., Armstrong State College

**Gleeson, David (1997)**

Assistant Professor of History  
Ph.D., Mississippi State University  
M.A., Mississippi State University  
B.A., University of Westminster

**Green, Rachel (1992)**

Associate Professor of Art  
M.F.A., University of Georgia  
B.F.A., Middle Tennessee State University

**Greenlaw, Raymond (1998)**

Head of Department of Computer Science  
Professor of Computer Science  
Ph.D., University of Washington  
M.S., University of Washington  
B.A., Pomona College

**Guillou, Laurent J., Jr. (1970)**

Professor of Biology  
Ph.D., Louisiana State University  
M.S., Louisiana State University  
B.S., Louisiana State University

**Hall, Michael (1997)**

Assistant Professor of History  
Ph.D., Ohio University  
M.A., Ohio University  
B.A., Gettysburg College

**Hampton, Edwin Kevin (1996)**

Assistant Professor of Music  
D.M.A., University of Maryland  
M.M., Drake University  
B.M., William Jewell College

**Hansen, John R. (1967)**

Professor of Mathematics  
Ed.D., University of Georgia  
M.Ed., University of Georgia  
B.S., Troy State College

**Hardegree, Lester E., Jr. (1982)**

Director of Medical Technology Program  
Assistant Professor of Medical Technology  
M.Ed., Georgia State University  
B.S., Medical College of Georgia  
B.S., University of Georgia

- Harris, Henry E. (1966)**  
Assistant Dean of Arts and Sciences  
Professor of Chemistry  
Ph.D., Georgia Institute of Technology  
B.S., Georgia Institute of Technology
- Harris, Robert L. (1981)**  
Professor of Music  
D.M.A., University of Washington  
M.M., University of the Pacific  
B.M., University of the Pacific
- \***Hart, Marcella (1986)**  
Associate Professor of Nursing  
M.N., University of Washington  
B.S.N., St. John College
- \***Harwood, Pamela L. (1985)**  
Acting Head of Special Education  
Department  
Associate Professor of Education  
Ed.D., Auburn University  
M.A., Appalachian State University  
B.S., Appalachian State University
- Haya, Glenn (1997)**  
Instructor of Library Science  
M.L.S., Rutgers University  
M.S.T., University of Chicago  
B.A., Rutgers University
- \***Hendricks, Christopher E. (1993)**  
Assistant Professor of History  
Ph.D., The College of William and Mary  
M.A., The College of William and Mary  
B.A., Wake Forest University
- Hessinger, Sabrina (1997)**  
Assistant Professor of Mathematics  
Ph.D., North Carolina State University  
B.S., Gannon University
- Hizer, Todd J. (1989)**  
Associate Professor of Chemistry  
Ph.D., University of South Carolina  
B.S., Old Dominion University
- Hobe, John J. (1991)**  
Associate Professor of Education  
Ed.D., University of San Francisco  
M.A., California State University  
B.S.Ed., Bowling Green State University
- Holcomb, Gary (1996)**  
Assistant Professor of English  
Ph.D., Washington State University  
M.A., California State University  
B.A., California State University
- \***Hollinger, Karen (1990)**  
Associate Professor of English  
Ph.D., University of Illinois  
M.A., Loyola University  
B.A., Loyola University
- \***Hollis, Selwyn L. (1991)**  
Associate Professor of Mathematics  
Ph.D., North Carolina State University  
B.S., University of Georgia
- Hopkins, June (1998)**  
Assistant Professor of History  
Ph.D., Georgetown University  
M.A., California State University-  
Northridge  
M.P.A., Pace University  
B.A., University of California-Berkeley
- Hopkinson, Caroline (1989)**  
Assistant Professor of Library Science  
M.L.I.S., University of Wisconsin-  
Milwaukee  
B.A., University of Wisconsin-Madison
- Hopper, Keith (1993)**  
Assistant Professor of Respiratory Therapy  
M.A., Boise State University  
B.S., Boise State University
- \***Howard, Thomas (1993)**  
Assistant Professor of Geography  
Ph.D., University of California  
M.A., University of California  
M.A., University of Chicago  
B.A., University of Chicago
- Hyde, Linda (1995)**  
Assistant Professor of Biology  
Ph.D., North Carolina State University  
B.A., University of Delaware
- \***Jamison, Carol P. (1993)**  
Assistant Professor of English  
Ph.D., University of Georgia  
M.A., University of South Alabama  
B.A., University of Montevallo
- Jaynes, Michael L. (1976)**  
Assistant Professor of Physics  
M.S., University of North Carolina  
B.A., Appalachian State University
- Jensen, John G. (1985)**  
Associate Professor of Art  
M.F.A., University of Arizona  
B.S., University of Wisconsin
- Jensen, Linda G. (1985)**  
Associate Professor of Art  
M.F.A., Memphis State University  
M.A.T., Memphis State University  
B.A.E., University of Mississippi
- Jodis, Stephen (1990)**  
Associate Professor of Computer Science  
Ph.D., Auburn University  
M.S., Auburn University  
B.C.P.E., Auburn University

**Johnson, Mark (1997)**

Assistant Professor of Music  
M.M., Louisiana State University  
B.M.E., Murray State University

**Jones, Dianne (1990)**

Assistant Professor of Mathematics  
M.Ed., William Carey College  
B.S., Mississippi State University

**\*Josi, Don (1996)**

Associate Professor of Criminal Justice  
Ph.D., University of California - Irvine  
M.A., California State University  
B.A., California State University

**Josten, Denice (1992)**

Assistant Professor of Reading  
Ph.D., Southern Illinois University  
M.M., Southern Illinois University  
B.M., Southern Illinois University

**Kearnes, John (1988)**

Associate Professor of Political Science  
Ph.D., University of Utah  
M.A., Andrews University  
B.A., Union College

**Keller, Carola (1970)**

Assistant Professor of Nursing  
M.S.N., Medical College of Georgia  
B.S.N., University of Virginia

**Kempke, Suzanne (1992)**

Assistant Professor of Biology  
M.S., University of Illinois  
M.A., Northwestern University  
A.B., University of Illinois  
B.S., University of Illinois

**Khan, Ritin (1992)**

Assistant Professor of Biology  
Ph.D., George Washington University  
M.A., The American University  
B.S., University of Patna, India

**\*Kilhefner, Dale Z. (1973)**

Professor of Mathematics  
Ph.D., Pennsylvania State University  
M.S., Purdue University  
M.Ed., Washington State University  
B.S., Elizabethtown College

**Knorr, Virginia W. (1973)**

Assistant Professor of Physical Education  
M.S., University of Tennessee (Knoxville)  
B.S., University of Tennessee  
(Chattanooga)

**Kolodny, Robert A. (1991)**

Associate Professor of Chemistry  
Ph.D., University of Georgia  
B.S., Queens College of New York

**Koth, Andreas W. (1991)**

Assistant Professor of Physical Education  
M.Ed., Georgia Southern College  
B.S., Georgia Southern College

**\*Lake, David (1994)**

Head of Physical Therapy Department  
Professor of Physical Therapy  
Ph.D., Texas Tech University  
M.S., Indiana State University  
B.S., University of California

**Lander, Jennifer (1994)**

Associate Professor of Physical Therapy  
Ed.D., Nova University  
M.S., Long Island University  
B.S., Indiana University

**Lane, Joseph M., Jr. (1970)**

Professor of Psychology  
Ph.D., University of Georgia  
M.S., University of Georgia  
B.S., University of Georgia

**Lariscy, Michael L. (1976)**

Head of Physical Education Department  
Associate Professor of Physical Education  
Ed.D., University of Georgia  
M.Ed., Georgia Southern College  
B.S., Armstrong State College

**Larson, Brett A. (1991)**

Associate Professor of Biology  
Ph.D., University of Oregon  
B.S., University of Georgia

**Lee, Byung Moo (1981)**

Director of Library Services  
Assistant Professor of Library Science  
M.L.S., University of Wisconsin  
B.A., University of Wisconsin  
B.A., Yon Sei University

**\*Lefavi, Robert (1993)**

Associate Professor of Health Science  
Ph.D., Auburn University  
M.B.A., Nova University  
B.S., University of Florida

**Leo, John (1996)**

Assistant Professor of Mathematics  
Ph.D., Louisiana State University  
M.S., Louisiana State University  
B.A., Whitman College

**Loyd, Robert (1997)**

Assistant Professor of Special Education  
Ph.D., University of Missouri-Columbia  
M.Ed., University of Missouri-Columbia  
M.S.Ed., University of Missouri-Columbia

- Lynch, Will E. (1993)**  
Assistant Professor of Chemistry  
Ph.D., Wayne State University  
B.A., Kalamazoo College
- MacGowan, Catherine E. (1993)**  
Assistant Professor of Chemistry  
Ph.D., University of Akron  
M.S., University of Colorado  
B.S., University of Michigan-Dearborn
- \*Martin, Grace B. (1980)**  
Head of Social and Behavioral Sciences  
Professor of Psychology  
Ph.D., Florida State University  
M.S., Florida State University  
B.A., Armstrong State College
- Martin, Keith W. (1992)**  
Associate Professor of Engineering Studies  
Ph.D., Clemson University  
M.S., University of Georgia  
B.S., University of Georgia
- Martin, William B. (1980)**  
Assistant Professor of English  
M.A., Duke University  
B.A., Armstrong State College
- Massey, Carole M. (1976)**  
Associate Professor of Nursing  
Ed.D., University of Georgia  
M.S.N., Medical College of Georgia  
B.S.N., Medical College of Georgia
- McGrath, Richard (1997)**  
Assistant Professor of Economics  
Ph.D., University of Virginia  
M.A., University of Virginia  
B.A., Framingham State College
- McMillan, Charlotte (1992)**  
Associate Professor of English  
M.A., State University of New York  
B.A., University of California
- McMillan, Tim (1990)**  
Assistant Professor of Mathematics  
Ph.D., University of Florida  
M.S., University of Florida  
B.S., University of South Carolina
- \*Megathlin, William L. (1971)**  
Dean of Academic and Enrollment Services  
Professor of Criminal Justice  
Ed.D., University of Georgia  
M.Ed., University of Georgia  
B.A., Presbyterian College
- Mellen, Peter J. (1993)**  
Assistant Professor of Drama/Speech  
Ph.D., Bowling Green State University  
M.A., Bowling Green State University  
B.A., Bowling Green State University
- Mengle, Janice (1984)**  
Assistant Professor of Dental Hygiene  
M.H.S., Armstrong State College  
B.S., Armstrong State College
- Meyer, Mary Louise (1997)**  
Assistant Professor of Middle Grades  
Education  
Ed.D., University of Kentucky  
M.S., Dowling College  
B.A., Christian Education
- Miller, Jill (1998)**  
Assistant Professor of Art History  
M.A., University of Minnesota-  
Minneapolis  
B.A., Moorhead State University-  
Minnesota
- Miller, Mary (1970)**  
Associate Professor of Nursing  
Ed.D., University of Georgia  
M.S.N., Medical College of Georgia  
B.S.N., Medical College of Virginia
- Mincer, Andi Beth (1996)**  
Assistant Professor of Physical Therapy  
M.S., Georgia State University  
B.S., University of Florida  
A.A., Pensacola Junior College
- Moore, Marsha S. (1996)**  
Assistant Professor of Education  
M.Ed., SSC-ASC (Now SSU-AASU)  
B.A., Columbia College
- Munson, Richard E. (1972)**  
Professor of Mathematics  
Ph.D., Rutgers University  
M.S., Rutgers University  
B.A., Houghton College
- \*Murphy, Dennis D. (1981)**  
Professor of Criminal Justice  
J.D., University of Florida  
Ph.D., University of Florida  
M.Ed., University of Florida  
B.A., University of Florida
- Murray, Eric (1993)**  
Assistant Professor of Physics  
Ph.D., Cornell University  
M.S., Cornell University  
B.S., Rose-Hulman Institute of Technology
- Neuman, Bonnie (1990)**  
Associate Professor of Nursing  
Ph.D., Wayne State University  
M.S.N., Wayne State University  
B.S.N., University of Michigan

- \*Newberry, S. Lloyd (1968)**  
Dean of Education  
Professor of Education  
Ed.D., University of Georgia  
M.Ed., University of Georgia  
B.S.Ed., University of Georgia
- Noble, David (1969)**  
Professor of German and Latin  
Ph.D., McGill University  
A.M., Boston University  
A.B., Boston University  
Diploma Litterarum Latinarum,  
Pontificia Universitas Gregoriana
- Nordenhaug, Erik (1995)**  
Assistant Professor of Philosophy  
Ph.D., Emory University  
M.A., Emory University  
B.A., Mercer University
- \*Nordquist, Richard F. (1980)**  
Professor of English  
Ph.D., University of Georgia  
M.A., University of Leicester  
B.A., State University of New York
- Oglesby, Edward (1994)**  
Assistant Professor of Mathematics  
M.Ed., Savannah State College  
B.S., Savannah State College  
B.A., Savannah State College
- Ouzts, Susan (1992)**  
Assistant Professor of Mathematics  
M.Ed., Armstrong State College  
B.S., Armstrong State College
- Palefsky, Elliot H. (1971)**  
Professor of Psychology  
Ed.D., University of South Carolina  
Ed.S., Georgia Southern College  
Ed.M., Temple University  
B.S., University of Georgia
- Parham, Robert (1998)**  
Head of Department of Languages,  
Literature and Philosophy  
Professor of English  
Ph.D., Florida State University  
M.S., Florida State University  
B.A., Belmont College
- \*Powell, Catharine L. (1991)**  
Associate Professor of Nursing  
Ed.D., Indiana University  
M.S., University of North Carolina  
B.S.N., DePauw University
- \*Price, Michael E. (1993)**  
Assistant Professor of History  
Ed.D., University of Georgia  
M.A., University of Georgia  
B.A., Kansas State University
- Pruden, Ethel B. (1985)**  
Assistant Professor of Nursing  
M.N., University of South Carolina  
B.S.N., SUNY- Buffalo
- \*Pruden, George B., Jr., (1982)**  
Professor of History  
Ph.D., American University  
M.A., American University  
M.Ed., University of South Carolina  
B.A., Wake Forest
- Raines, Helon (1994)**  
Associate Professor of English  
Ph.D., University of Denver  
M.A., University of Southern Mississippi  
B.S., Mississippi Southern College
- Reilly, Nancy E. (1990)**  
Associate Professor of Nursing  
Ph.D., University of Michigan  
M.S., University of Michigan  
B.S.N., Georgetown University
- Relyea, Kenneth (1990)**  
Head of Biology Department  
Professor of Biology  
Ph.D., Tulane University  
M.S., Florida State University  
B.A., Florida State University
- Remler, Nancy (1992)**  
Assistant Professor of English  
M.A., Georgia Southern University  
B.S.Ed., University of Georgia
- \*Repella, James F. (1976)**  
Dean of Health Professions  
Professor of Nursing  
Ph.D., University of Pittsburgh  
M.S.N., University of Pennsylvania  
B.S.Ed., Temple University
- \*Rhee, Steve Y. (1974)**  
Professor of Political Science  
Ph.D., University of Missouri  
M.A., University of Oregon  
B.A., University of Oregon
- Richardson, Edwin G. (1989)**  
Assistant Professor of English  
M.A., University of Maine  
B.A., University of South Florida
- Roberts, Lynn T. (1989)**  
Assistant Professor of Physical Education  
M.Ed., Armstrong State College  
B.S., Armstrong State College
- Robinson, Howard O. (1998)**  
Assistant Professor of History  
Ph.D., University of Akron  
M.A., Alabama State University  
B.A., Alabama State University



- Rodgers, Anne T. (1985)**  
 Professor of Medical Technology  
 Ph.D., University of Florida  
 M.A.T., University of Massachusetts  
 B.A., Ohio Wesleyan University
- \*Roesel, Rosalyn L. (1984)**  
 Professor of Nursing  
 Ph.D., North Texas State University  
 M.S.N., Medical College of Georgia  
 B.S.N., Medical College of Georgia
- Saadatmand, Yassaman (1989)**  
 Associate Professor of Economics  
 Ph.D., University of New Hampshire  
 M.B.A., James Madison University  
 B.S., National Iranian Oil Company  
 College of Finance
- Sajwan, Maria (1992)**  
 Assistant Professor of Library Sciences  
 M.L.S., University of Kentucky  
 B.A., Colorado State University
- Schmidt, John C. (1979)**  
 Professor of Art  
 M.F.A., Ohio University  
 B.F.A., Carnegie-Mellon University
- Schollaert, Warren L. (1989)**  
 Associate Professor of Education  
 Ed.D., University of Georgia  
 M.A., Roosevelt University  
 B.A., Arizona State University
- Schuberth, Christopher A. (1996)**  
 Assistant Professor of Science Education  
 Director of Troops to Teachers Program  
 M.S., New York University  
 B.S., City College of the City of New York
- Schultz, Lucinda D. (1986)**  
 Professor of Music  
 D.M.A., University of Colorado  
 M.M., Colorado State University  
 B.S., Dickinson State College
- Sconduto, Leslie (1995)**  
 Assistant Professor of French  
 Ph.D., Rutgers, State University of  
 New Jersey  
 M.A., Rutgers, State University of  
 New Jersey  
 B.A., Augsburg College
- Scott, Vann B., Jr. (1997)**  
 Assistant Professor of Psychology  
 Ph.D., North Carolina State University  
 M.A., Georgia Southern University  
 A.B., University of North Carolina-Chapel  
 Hill
- Shiple, Charles (1972)**  
 Professor of Computer Science  
 Ph.D., University of Nebraska  
 M.S., Georgia Institute of Technology  
 M.A., University of Nebraska  
 B.A., University of North Dakota
- Silcox, Elaine (1972)**  
 Assistant Professor of Nursing  
 M.S.N., Medical College of Georgia  
 M.Ed., University of Florida  
 B.S.N., University of Florida
- \*Simon, Emma T. (1974)**  
 Dean of Graduate Studies  
 Professor of Health Science  
 Ed.D., University of South Carolina  
 M.H.E., Medical College of Georgia  
 B.S., Armstrong State College
- Sisson, Michelle W. (1990)**  
 Assistant Professor of Education  
 Ed.D., University of Georgia  
 M.Ed., Armstrong State College  
 B.S.Ed., University of Georgia
- \*Skidmore-Hess, Daniel (1993)**  
 Assistant Professor of Political Science  
 Ph.D., University of Wisconsin  
 M.A., University of Wisconsin  
 B.A., Oberlin College
- Smith, Carolyn G. (1977)**  
 Assistant Professor of Mathematics  
 M.Ed., Armstrong State College  
 B.S., Armstrong State College
- Smith, James (1990)**  
 Assistant Professor of English  
 Ph.D., Vanderbilt University  
 M.A., Vanderbilt University  
 B.A., Berry College
- Smith, William J., Jr. (1982)**  
 Assistant Professor of Respiratory Therapy  
 M.H.S., Armstrong State College  
 B.S., Medical University of South Carolina
- Stegall, John L. (1981)**  
 Vice President for Business and Finance  
 M.B.A., University of Georgia  
 B.S., Indiana State University
- \*Stern, Camille P. (1991)**  
 Professor of Nursing  
 Ph.D., University of Texas  
 M.S.N., University of Alabama  
 B.S., Medical College of Georgia

- \*Stone, Janet D. (1975)**  
Associate Professor of History  
Ph.D., Emory University  
M.A., Purdue University  
A.B., Randolph-Macon Women's College
- \*Strauser, Edward B. (1991)**  
Associate Professor of Education  
Ed.D., State University of New York  
M.S., Canisius College  
B.S., State University of New York
- \*Streater, James, Jr. (1988)**  
Head of Health Science Department  
Professor of Health Science  
Ed.D., University of South Carolina  
M.Ed., University of South Carolina  
B.A., University of South Carolina
- Strickland, Gloria (1997)**  
Assistant Professor of Radiologic  
Technologies  
M.H.S., Armstrong Atlantic State  
University  
B.S., Thomas Edison State University  
A.S., Thomas Edison State College
- Stubbs, Barbara (1997)**  
Assistant Professor of Dental Hygiene  
M.S., University of North Carolina-  
Chapel Hill  
B.S., Columbus State University  
A.S., Columbus State University
- Taggart, Helen M. (1992)**  
Assistant Professor of Nursing  
M.S.N., Georgia Southern University  
B.S.N., Armstrong State College
- \*Tanenbaum, Barbara G. (1972)**  
Head of Dental Hygiene Department  
Professor of Dental Hygiene  
Ed.D., University of Georgia  
M.Ed., Armstrong State College  
B.S., Medical College of Georgia
- Taylor, Stephen A. (1992)**  
Associate Professor of Psychology  
Ph.D., University of Florida  
B.A., Oswego State College
- Thompson, Anne W. (1994)**  
Assistant Professor of Physical Therapy  
Ed.D., Georgia Southern University  
M.S., Duke University  
B.S., College of William and Mary
- Thorne, Francis M. (1965)**  
Professor of Biology  
Ph.D., University of Georgia  
B.S., Stetson University
- \*Tilson, Elwin R. (1982)**  
Professor of Radiologic Technologies  
Ed.D., University of Georgia  
M.S., San Francisco State University  
B.S., Arizona State University
- Toma, Michael (1997)**  
Assistant Professor of Economics  
Ph.D., George Mason University  
M.A., Miami University-Oxford  
B.S., Miami University-Oxford
- \*Townsend, Dabney (1997)**  
Dean of the College of Arts and Sciences  
Professor of Philosophy  
Ph.D., Emory University  
B.D., Drew University  
B.S., Duke University
- Tucker, Debbie A. (1995)**  
Assistant Professor of Physical Therapy  
M.D., Medical College of Georgia  
B.S., Medical College of Georgia
- Wallace, Richard (1995)**  
Associate Professor of Chemistry  
Ph.D., Clemson University  
B.S., Armstrong State College
- Walworth, Margaret E. (1991)**  
Assistant Professor of Education  
Ph.D., University of Georgia  
M.Ed., Clemson University  
B.S., Clemson University
- Wambold, Constance A. (1993)**  
Assistant Professor of Special Education  
M.S., Towson State University  
B.A., Molloy College
- Weiner, Steven (1995)**  
Assistant Professor of Chemistry  
Ph.D., Brown University  
B.A., Brandeis University
- Welsh, John A., III (1967)**  
Assistant Professor of English  
M.A., Vanderbilt University  
B.A., Davidson College
- \*Wheeler, Ed R. (1987)**  
Head of Mathematics Department  
Professor of Mathematics  
Ph.D., University of Virginia  
B.A., Samford University
- White, Laurie (1989)**  
Associate Professor of Computer Science  
Ph.D., University of Florida  
M.S., University of Florida  
B.A., University of Virginia

- White, Nancy A. (1994)**  
Head of History Department  
Professor of History  
Ph.D., The American University  
M.A., The American University  
B.A., Mount Holyoke College
- White, Susan S. (1972)**  
Assistant Professor of Education  
M.Ed., University of South Carolina  
B.S., Winthrop College
- \*Whiten, Morris L. (1970)**  
Professor of Physics  
Ph.D., University of Georgia  
B.S., University of Georgia
- Williams, Ronald R. (1998)**  
Head of Chemistry and Physics Department  
Professor of Chemistry  
Ph.D., University of Georgia  
B.S., University of South Carolina
- Williamson, Jane B. (1976)**  
Assistant Professor of Nursing  
M.S.N., Medical College of Georgia  
M.Ed., Georgia Southern College  
B.S.N., University of Georgia
- Wimer, Gregory (1994)**  
Assistant Professor of Physical Education  
Ph.D., Ohio State University  
M.S., University of South Carolina  
B.S., University of South Carolina
- \*Winterhalter, Teresa (1994)**  
Assistant Professor of English  
Ph.D., University of Rochester  
M.A., University of Rochester  
M.A., SUNY Cortland  
B.A., SUNY Brockport
- Worley, Milton (1996)**  
Assistant Professor of Middle Grades  
Education  
Ed.D., Oklahoma State University  
M.Ed., Phillips University  
B.S., Phillips University
- \*Wright, Linda (1994)**  
Professor of Health Science  
Ph.D., Texas Tech University  
B.S., Eastern New Mexico University
- Wynn, Gail G. (1992)**  
Assistant Professor of Biology  
Ph.D., Louisiana State University  
M.S., Louisiana State University  
B.S., Oglethorpe University
- \*Yentsch, Anne (1992)**  
Associate Professor of Historical  
Archaeology  
Ph.D., Brown University  
M.A., Brown University  
M.A., University of Miami (Florida)
- Young, Sue (1998)**  
Head of Department of Nursing  
Professor of Nursing  
Ph.D., Old Dominion University  
MSN, The Catholic University of America  
BSN, University of Alabama
- Zipperer, Freya M.J. (1996)**  
Assistant Professor of Secondary Education  
Ed.D., University of Georgia  
M.Ed., University of Georgia  
B.A., Armstrong State College  
(Now AASU)
- Zipperer, William C. (1991)**  
Associate Professor of Chemistry  
Ph.D., University of Georgia  
B.S., University of Georgia

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## Emeriti Faculty

- Adams, Joseph V. (1970-1997)**  
Professor Psychology and Dean of Arts and Sciences Emeritus
- Anderson, Donald D. (1966-1992)**  
Dean of Community Services & Registrar Emeritus
- Beecher, Orson (1942-1982)**  
Professor of History Emeritus
- Bell, Dorothy G. (1969-1991)**  
Assistant Professor of Nursing Emerita
- Brewer, John G. (1968-1998)**  
Professor of Chemistry Emeritus
- Brooks, Sammy Kent (1966-1990)**  
Professor of English Emeritus
- Brower, Mooneyan (1967-1995)**  
Associate Professor of Biology Emerita
- Comaskey, Bernard (1966-1997)**  
Assistant Professor of History Emeritus
- Coyle, William (1957-1987)**  
Professor of Political Science Emeritus
- Davenport, Leslie B., Jr. (1958-1983)**  
Professor of Biology Emeritus
- Davis, Lamar W.**  
Professor of Business Administration Emeritus
- Duncan, John (1965-1997)**  
Professor of History Emeritus
- Findeis, John (1968-1995)**  
Assistant Professor of Mathematics Emeritus
- Gadsden, Ida (1956-1981)**  
Professor of Education Emerita
- Gross, Jimmie (1967-1997)**  
Professor History Emeritus
- Harmond, Thelma (1963-1981)**  
Professor of Education Emerita
- Hudson, Anne (1971-1997)**  
Professor of Mathematics Emerita
- Hudson, Sigmund (1985-1997)**  
Professor of Computer Science Emeritus
- Jenkins, Marvin (1968-1997)**  
Assistant Professor of English Emeritus
- Killorin, Joseph I. (1947-1988)**  
Professor of Philosophy & Literature Emeritus
- Lanier, Osmos (1965-1997)**  
Professor of History Emeritus
- Lawson, Cornelia (1972-1987)**  
Professor of Education Emerita
- Magnus, Robert E. (1973-1991)**  
Professor of Criminal Justice Emeritus
- McCarthy, John C. (1962-1990)**  
Professor of Political Science Emeritus
- McClanahan, Billie F. (1981-1989)**  
Assistant Professor of English Emerita
- Pendexter, Hugh III (1965-1983)**  
Professor of English Emeritus
- Pingel, Allen L. (1969-1992)**  
Professor of Biology Emeritus
- Propst, H. Dean (1969-1979)**  
Professor of English, Vice President and Dean of Faculty Emeritus
- Robbins, Paul (1966-1986)**  
Professor of Chemistry Emeritus
- Robinson, Aurella (1972-1986)**  
Associate Professor of Education Emerita
- Sartor, Herman (1964-1981)**  
Professor of Education Emeritus
- Sims, Roy Jesse (1955-1990)**  
Professor of Physical Education Emeritus
- Stephens, Jacquelyn (1979-1990)**  
Professor of Education Emerita
- Stratton, Cedric (1965-1993)**  
Professor of Chemistry Emeritus
- Strozier, Robert (1955-1959; 1965-1995)**  
Professor of English, Emeritus
- Tapp, Lawrence (1959-1994)**  
Professor of Physical Education Emeritus
- Warlick, Roger (1970-1994)**  
Professor of History Emeritus
- White, Virginia (1967-1991)**  
Assistant Professor of English Emerita
- Winn, William (1957-1971)**  
Professor of Mathematics Emeritus
- Worthington, Clarke Stuart (1967-1993)**  
Professor of Psychology Emeritus

## Officers of Administration at Armstrong Atlantic State University

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Frank A. Butler .....	Vice President and Dean of Faculty
John L. Stegall .....	Vice President for Business and Finance
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William L. Megathlin .....	Dean, Academic and Enrollment Services
Dabney Townsend .....	Dean, College of Arts and Sciences
S. Lloyd Newberry .....	Dean, College of Education
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Marilyn Buck .....	Assistant Dean, School of Health Professions
Deanna Cross .....	Assistant Dean, Adult Academic Services
Kim West .....	Registrar and Director of Admissions
Joe Adams .....	Special Assistant to the Vice President for International Programming
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Gregory Anderson .....	Director, Academic Orientation and Advisement
Lynn Benson .....	Director, Counseling Services
Eddie Aenchbacher .....	Director, Athletics
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Lorie Durant .....	Director, Career Services
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Daniel Harrell .....	Director, Financial Services
Al Harris .....	Director, Student Activities
Jan Jones .....	Director, Volunteer and Service Learning
Byung Moo Lee .....	Director, Library Services
Lauretta Hannon .....	Director, University Relations
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Alfred Owens .....	Director, Minority Affairs and Minority Recruitment
David Faircloth .....	Director, Plant Operations
Brad Burnett .....	Director, Financial Aid and Veterans Affairs
Ellen Struck .....	Director, Human Resources
Cheryl Tarter .....	Director, Institutional Research
Alexandra Thompson .....	Director, Grants
Joann Windeler .....	Director, Business and Auxiliary Services
Ed Lyons .....	Director, Public Safety
Vacant .....	Assistant Director, Public Service Center
Katie Brooks .....	Director, Elderhostel
Katie Humphrey .....	Director, Disability Services
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Dahlberg, A.W. "Bill" .....	State at Large
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University System of Georgia  
270 Washington St., S.W.  
Atlanta, Georgia 30334

## Institutions of the University System of Georgia

### Comprehensive and Special Purpose Universities

- |  |                                       |
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| University of Georgia—h; B,J,M,S,D       | Georgia State University—A,B,J,M,S,D  |
| Atlanta 30332                            | Augusta 30912                         |
| Georgia Institute of Technology—h; B,M,D | Medical College of Georgia—h; A,B,M,D |

### Regional Universities

- |   |   |
|---|---|
| Statesboro 30460                          | Valdosta 31698                          |
| Georgia Southern University—h; A,B,M,S,cD | Valdosta State University—h; A,B,M,S,cD |

### State Universities and Senior Colleges

- |   |   |
|---|---|
| Albany 31705  | Marietta 30061                                  |
| Albany State University—h; B,M                      | Kennesaw State University—A,B                   |
| Americus 31709                                      | Marietta 30060                                  |
| Georgia Southwestern State University—h; A,B,M,S    | Southern Polytechnic State University—h; A,B,M  |
| Augusta 30910                                       | Milledgeville 31061                             |
| Augusta State University—A,B,M,S                    | Georgia College and State University—h; A,B,M,S |
| Carrollton 30118                                    | Morrow 30260                                    |
| State University of West Georgia—h; A,B,M,S         | Clayton College and State University—A,B        |
| Columbus 31993                                      | Savannah 31419                                  |
| Columbus State University—A,B,M,S                   | Armstrong Atlantic State University—h; A,B,M    |
| Dahlonega 30597                                     | Savannah 31404                                  |
| North Georgia College and State University—h; A,B,M | Savannah State University—h; A,B,M              |
| Fort Valley 31030                                   |   |
| Fort Valley State University—h; A,B,M               |   |

### Two-Year Colleges

- |                                     |                                    |
|-------------------------------------|------------------------------------|
| Albany 31707                        | Douglas 31533                      |
| Darton College—A                    | South Georgia College—h; A         |
| Atlanta 30310                       | Gainesville 30503                  |
| Atlanta Metropolitan College—A      | Gainesville College—A              |
| Bainbridge 31717                    | Macon 31297                        |
| Bainbridge College—A                | Macon College—A                    |
| Barnesville 30204                   | Rome 30163                         |
| Gordon College—h; A                 | Floyd College—A                    |
| Brunswick 31523                     | Swainsboro 30401                   |
| Coastal Georgia Community College—A | East Georgia College—A             |
| Cochran 31014                       | Tifton 31793                       |
| Middle Georgia College—h; A         | Abraham Baldwin Agri. College—h; A |
| Dalton 30720                        | Waycross 31501                     |
| Dalton College—A                    | Waycross College—A                 |
| Decatur 30034                       |                                    |
| Dekalb College—A                    |                                    |

h — On-Campus Student Housing Facilities Degrees Awarded: A — Associate; B — Baccalaureate; J — Juris Doctor; M — Masters; S — Specialist in Education; D — Doctorate  
 cD — Doctorate offered in cooperation with a University System university,  
 with degree awarded by the university

## GLOSSARY OF TERMS

**academic advisement:** students meet with an advisor each quarter before registering for courses (departmental advising for students who have declared a major, Office of Academic Orientation and Advisement for students who have not, learning support for students required to take learning support courses) to discuss the classes planned for the next term. Advising ensures students are fulfilling academic progress requirements for their degree.

**academic probation:** a status that indicates a student is not maintaining the required minimum GPA. The first time a student falls below the required GPA he/she is placed on Good Standing with Warning. Failure to raise the adjusted GPA to the required level during the next term will result in Academic Probation. Students on Academic Probation are not in Good Standing.

**academic suspension:** status given to students on Academic Probation who neither achieve the required adjusted GPA nor earn at least a 2.0 grade point average during the probationary period. Such students will need to appeal to continue attending the university.

**advanced placement:** eligibility to enroll in courses beyond the entry level through transfer credit or examination.

**accredited:** a designation that an institution has been evaluated and met criteria set by an independent oversight agency. The Commission on Colleges of the Southern Association of Colleges and Schools rules on accreditation for Armstrong Atlantic State University.

**ACT-American College Testing:** a standardized exam that tests verbal and math skills.

**add (a class):** students may sign up for another class after their initial registration.

**adjusted GPA:** the total honor points earned divided by the total hours attempted, with hours and honors points for repeated courses not duplicated in the calculation (see GPA) Includes transfer hours credited to the student's course of study at Armstrong.

**advance registration:** an early registration period available to currently enrolled students. Also known as pre-registration.

**area of concentration:** a part of the course of study required for the Bachelor of General Studies degree; any minor approved by the Board of Regents may be chosen.

**Associate of Arts Degree (AA):** a program of study lasting two years (full-time) that completes a student's core curriculum requirements.

**Associate of Applied Science Degree (AAS):** a program of study lasting two years (full-time) in a specific discipline.

**auditing:** attending a class without receiving credit. Students must be enrolled, receive permission from the instructor, declare audit status at the time of registration, and pay the tuition and fees for the class.

**baccalaureate:** a program of study lasting four years (full-time) consisting of two years of core curriculum and two years of courses in an area of specialization or major (see Bachelor of Arts/Science Degrees).

**Bachelor of Arts Degree (BA)/Bachelor of Science Degree (BS):** a program of study lasting four years (full-time) consisting of two years of core curriculum and two years of courses in an area of specialization or major also referred to as a "Bachelor's Degree" or baccalaureate degree.

**Board of Regents:** the governing board of the University System of Georgia.

**certification programs:** a course of study, shorter than a degree, leading to specialization in a field.



**CHAOS (Communication, Help, Advisement, Orientation and Service):** an orientation program held for new students. CHAOS leaders are students who have been trained to present these orientation sessions.

**challenge exams:** available only for specific courses, usually for students who have experience in a specific field. Students passing this type of exam would be exempt from certain classes.

**classification:** a term based on the number of credit hours earned to classify a student at the freshman, sophomore, junior or senior level.

**CLEP — College Level Examination Program:** a standardized test used to determine proficiency in a specific area of study. If students score at a certain level on a CLEP test, they will receive credit for a class in that subject area. In some areas, students will be required to pass a higher level course with a minimum grade before CLEP credit is given.

**CPC — College Preparatory Curriculum:** a high school course of study required of all students graduating from high school within the past five years. Course requirements include English, math, science, social sciences and foreign languages. CPC requirements apply to students with a GED who would have graduated within the same time frame.

**CPE — College Placement Exam:** establishes students' proficiency levels in reading, English and math. Based on the scores received, students may be required to take Learning Support courses. This exam is given to students before their first semester.

**core curriculum:** a broad-based course of study required of all students pursuing a Bachelor's degree. Courses come from the areas of the humanities, social sciences, and math and natural sciences for a total of 60 semester hours.

**Dean's List:** an announcement at the end of each semester listing those students enrolled for at least 10 semester hours who have earned at least a 3.6 honor point average. Only course work taken at AASU will be used in the computation of Dean's List honors.

**delayed admission:** admission status of students who have not attended high school or college within the last five years and have earned fewer than 20 transferable credits. These applicants are not required to take the SAT or ACT, but will take the College Placement exam (CPE).

**drop (a class):** students may decide to withdraw from a class.

**early admission:** a program for high school students who have not completed the eleventh grade, but who have demonstrated outstanding academic potential.

**elective:** a course which is related to the courses in a major or which counts as general credit toward a degree.

**exit exams:** exams given by a department to graduating seniors to determine minimum levels of competency in the major subject area.

**freshman:** student who has earned fewer than 30 semester hours.

**Freshman Index:** computed using SAT scores and the high school grade point average only on CPC units required for admission.

**full-time:** students taking 12 or more semester hours of classes.

**GED — General Education Development:** an equivalent to the high school diploma; students must submit official GED scores for admission.

**good standing:** a status that indicates students are maintaining the required minimum GPA.

**good standing with warning:** status given to students whose GPA falls below the required GPA for the first time.

**GPA (Grade Point Average):** a point system used to determine the average of all grades a student has received for one term or for an entire college career. To determine GPA, honor points are awarded based on each grade received, which are totaled then divided by the number of hours attempted.

**graduate work:** refers to any studies done toward a master's degree or PhD.

**GRE — Graduate Record Exam:** a standardized exam that tests verbal and math skills, usually used as part of the admissions process for graduate school.

**honor points:** the points earned based on the letter grade and semester hours credited for a course. Used to determine GPA.

**independent study:** classes that permit students to pursue individual research and reading in their major field. Permission from the department head or the professor is required.

**in-state tuition:** rate of tuition paid by Georgia residents.

**Internship:** work in a firm or agency related to a student's major program and/or career plans.

**intramurals:** organized competitive sports activities coordinated through the Department of Health and Physical Education. Open to all interested students.

**joint enrollment:** a program for high school students who have completed the tenth grade and have demonstrated outstanding academic potential. This program allows students to enroll full-time at the university while remaining on the rolls of a local high school. At the end of their freshman year students receive their high school diploma.

**junior:** student who has earned between 60 and 89 semester hours.

**major:** an area of concentrated study in a degree program approved by the Board of Regents. For a major program, a department will require 60 semester hours of specific courses or approved elective courses in related fields.

**Master's degree (MA, MS, MEd):** a program of study lasting two years (full-time) in a specific area of specialization. This degree is attempted after a bachelor's degree and may require an in-depth research paper or thesis for completion of the degree.

**minor:** an optional course of study chosen in addition to a major consisting of 18 specified semester hours in an area of study different from the student's major. Minors are approved by the Board of Regents.

**out-of-state tuition:** rate of tuition paid by students who are not legal residents of Georgia.

**part-time:** students taking fewer than 12 semester hours of classes.

**portfolio:** a collection of work (e.g., paintings, writings, etc.) which may be used to demonstrate competency in an academic area.

**pre-professional programs:** courses appropriate for the first two years of baccalaureate programs not offered among degree programs here at the university, such as business, engineering, forestry, and pharmacy. Also includes study appropriate for dentistry, law, medicine, veterinary medicine and other professional fields.

**pre-registration:** an early registration period available to currently enrolled students. Also known as advance registration.

**prerequisite:** a course required before a more advanced course may be taken. Prerequisites are listed in the catalog under course descriptions.

**programs of study:** refers to specific majors or areas of study, usually leading to a degree.

**readmission:** students who have attended Armstrong in the past, but have not taken classes at the university for three or more terms, not including the summer term.

**Regents' Test:** an exam measuring minimum writing and reading skills given to all students in the university System of Georgia. At AASU, this exam is required after a student has completed 30 semester hours.

**registration:** a time to enroll for specific classes for the next term. Regular registration is held the day before classes begin each term.

**regular admission:** admission status for students who, upon entrance to the university, have the required standardized test scores (SAT Verbal 460/SAT Math 430 or ACT English 20/ACT Math 18), required grade point average (2.0), have completed the required college prep curriculum (see CPC), and have not been out of high school more than four years. This status will be awarded to other students upon completing 18 hours of credit with a 2.0 grade point average.

**residency:** students are considered residents of Georgia if they have lived in Georgia at least one year and consider Georgia their home. Students who have not lived in Georgia for one year or who are just coming to Georgia for their education and plan to move back to another state after graduation are not considered residents.

**ROTC — Reserve Officer Training Corps:** a curriculum available to students at Armstrong and Savannah State that qualifies students for a commission as an officer in the US Army, Army Reserves, US Navy, Naval Reserves or US National Guard after graduation.

**SAT — Scholastic Aptitude Test:** a standardized exam that tests verbal and math skills. Scores are used to determine admission status for freshmen.

**semester hours:** the approximate number of hours spent each week in a particular class. Also used to determine the total number of hours students register for.

**semester system:** a school term based on approximately 15 weeks, including two regular sessions each year plus a short summer session.

**senior:** student who has earned 90 or more semester hours.

**short course:** a continuing education course that does not award college credit though it may award continuing education units.

**sophomore:** student who has earned between 30 and 59 semester hours.

**transcript:** an official record of all courses a student has taken at a particular institution. An official transcript is a transcript sent directly from one institution to another; a student copy is a transcript issued to students.

**transfer:** students seeking admission who have previously been enrolled at another institution of higher education.

**transfer credit:** credit for courses taken at another institution. Granting credit will be considered only for course work from an accredited institution.

**transient:** admission status of students currently enrolled at another institution applying for temporary admission to Armstrong for one term. Students must be in good standing at their home institution, and have written permission from their dean or registrar to take specific courses at Armstrong which may be transferred to their home institution.

**University System of Georgia:** the overall system of public higher education in Georgia, comprised of 5 universities, 14 senior colleges and 15 junior colleges.

**withdrawal:** the act of dropping out of school completely, the date of the withdrawal determines any fee refund or grade penalty.

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## Where to Write or Call

There is a central mail room on campus. Specific information may be obtained by writing to the offices listed below and adding:  
Armstrong Atlantic State University  
1935 Abercorn Street  
Savannah, GA 31419-1997

### ACADEMIC ADVISEMENT

Director of Academic Orientation  
and Advisement  
917-5494

### ADMISSIONS

Director of Admissions  
917-5277  
800-633-2349

### ADULT ACADEMIC SERVICES

Assistant Dean of Adult Academic Services  
917-3163

### ALUMNI

Alumni Affairs, Office of University  
Advancement  
917-5264

### ATHLETICS

Director of Athletics  
917-5336

### BUSINESS MATTERS

Vice President for Business & Finance  
917-5255

### CAREER PLANNING & PLACEMENT

Director of Career Services  
917-5269

### CONTINUING EDUCATION

Director of Continuing Education  
917-5322

### COUNSELING

Director of Counseling  
917-5269

### FINANCIAL AID, GRANTS, LOANS,

### WORK-STUDY ELIGIBILITY

Director of Student Financial Aid  
917-5272  
800-633-2349

### GENERAL ACADEMIC AND

### FACULTY MATTERS

Vice President and Dean of Faculty  
917-5261

### GRANTS, GRANTS & BEQUESTS

Office of University Advancement  
917-5263

### GRADUATE STUDY

Dean of Graduate Studies  
917-5377

### HOUSING

Director of Housing  
917-5269

### MINORITY AFFAIRS

Director of Minority Affairs  
917-5252

### PUBLIC RELATIONS

Office of University Relations  
927-5263

### SECURITY

Campus Police  
921-5555

### TEACHER CERTIFICATION

Certification Officer  
927-5294

### TESTING

Division of Student Affairs  
927-5269

### TRANSCRIPTS

Office of the Registrar  
927-5275

### TUITION, PAYMENT OF BILLS, REFUNDS

Vice President for Business & Finance  
927-5255

### WEEKEND AND OFF-CAMPUS

### PROGRAMS

Director of Weekend and Off-Campus  
Programs  
961-3247

### Special Notice

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

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

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



Armstrong Atlantic State University  
11935 Abercorn Street  
Savannah, Georgia 31419-1997



