

COLLEGE OF ARTS AND SCIENCES

Ronald H. Fritze, Ph.D.

Dean

DEPARTMENT	MAJOR/MINOR PROGRAMS	BA	BS	LICENSURE/ CERTIFICATION TRACK	MINOR
Behavioral Science	Behavioral Science		x		x
	Gender/Multicultural Studies				x
	Gerontology				x
	Psychology	x	x		x
	Sociology	x	x		x
Health and Professional Studies	Health Science		x		
	Health & Wellness Management		x	x	
	Public Safety & Health Administration		x		
Humanities and Social Science	Art	x			x
	Art for Art Majors Only				x
	Art History				x
	English	x		x	x
	Drama				x
	History	x		x	x
	Justice Studies		x		x
	Political Science	x	x		x
	Religion	x			x
	Church Finance				x
	Philosophy				x
	Religious Education				x
	Social Science		x		x
Interdisciplinary	Liberal Studies		x		
Mathematics and Computer Science	Computer Science		x		x
	CS - CIS Option		x		x
	CS - Computer Networking Option*		x		x
	Mathematics		x	x	x
Natural Science	Biology		x	x	x
	Marine Science				x
	Chemistry		x	x	x
	General Science		x	x	
	Physics				x

*A certificate program is also available in the CS - Computer Networking program.

INTERDISCIPLINARY PROGRAMS

Pre-Law Program

Many Athens State University students express an interest in attending law school after graduation. Many ASU students have attended law school at The University of Alabama, Cumberland School of Law at Samford University, The University of Tennessee, The University of Florida, George Washington University, Memphis State University, and Southern Illinois University.

To be admitted to an accredited law school, a student must have a bachelor's degree, an acceptable score on the Law School Admission Test (LSAT), and at least a 3.0 GPA. Although no law school requires a specific major, political science and justice studies have been popular undergraduate majors for many students because of the opportunity to take courses in American government, constitutional law, civil liberties, criminal law, criminal justice process, public administration, and the American legal system. Methods of Behavioral Science Research and the Senior Research Project courses are designed to improve the student's research and writing skills.

Students should consider electives that will enhance skills needed in law school. Courses in the English department can improve oral and written communication, which are essential skills for success in law school. In the College of Business, courses in accounting, business law, and real estate are helpful. A student entering law school should also know how to operate basic computer programs. Admission to law school is very competitive and no specific program can guarantee admission.

Students interested in choosing political science and/or justice studies as a prelaw major should contact the secretary in the Department of Humanities and Social Sciences in the College of Arts and Sciences - 233-8273. For further information call 1-800-522-0272 or (256) 233-8100 or refer to the Athens State University website: www.athens.edu.

Foreign Study Abroad ASU in LONDON, ENGLAND

Athens State University and its International Program offers an opportunity for all ASU majors and minors to study abroad for the first Summer Term at our Partner Institution, Huron University USA London in London, England from around May 15 until around June 25. Students attend Huron university as Athens State students and may take up to two courses in areas such as business, math, social science, natural science, behavioral science, drama, art, computer science and others that will transfer to Athens State University.

Huron University provides housing and in city transportation. Students receiving financial aid are generally eligible to apply it to this enterprise. The Director of ASU in London will accompany attending students for the first part of the term.

For more information, check the "International Programs" link at the ASU website, www.athens.edu or contact: Mark Anderson, B.A., J.D., University Director of ASU in London, Professor of International Business and Legal Studies, 233-8148.

Sarah McAbee, B.S., M.B.A., Director of Student Financial Services, 233-8212. Financial Aid.

Lisa Carter Payne, B.S., M.A., Veterans Affairs Coordinator, 233-8124. Veterans.

Pre-Health Programs

Students interested in the pre-health professions, listed below, should contact Chief Pre-Health Professions Advisor, Dr. Bruce Thomas at 1-800-522-0272 (Ext. 142) or (256) 233-8142; or by e-mail at bruce.thomas@athens.edu.

- Pre-medicine (osteopathic and allopathic)
- Pre-dentistry
- Pre-optometry
- Pre-veterinary
- Pre-pharmacy
- Pre-chiropractic
- Pre-podiatry
- Pre-naturopathic
- Pre-physician assistant
- Pre-physical therapy
- Pre-occupational therapy

Athens State University offers a variety of undergraduate academic programs designed to satisfy admission requirements for schools of medicine, dentistry, optometry, veterinary medicine, pharmacy, chiropractic medicine, physical therapy, and many other related disciplines. Students receive guidance in planning individual academic programs according to university and major requirements. Though many students pursue biology or chemistry degrees, medical schools do not require or recommend any particular field of study as long as the following courses are satisfied:

- English composition and literature (12 semester hours)
- General chemistry with laboratory (8 semester hours)
- Organic chemistry with laboratory (8 semester hours)
- Biochemistry (recommended) (3 semester hours)
- General biology with laboratory (8 semester hours)
- (additional biology electives recommended are:
 - genetics, embryology, cell biology, and physiology)
- General physics with laboratory (8 semester hours)
- Mathematics (calculus recommended) (6 semester hours)

COLLEGE OF ARTS AND SCIENCES

The mission of the College of Arts and Sciences curricula is designed to prepare students for entry into the job market, or for continuing education in graduate or professional school. Through its course offerings, the College seeks to engage the intellect, excite the imagination, and improve the scholarship of its students, and assist its students in developing:

- competencies in written and oral communication;
- appreciation of their cultural heritage and understanding of their world;
- a knowledge base conducive to self growth and enriched life experiences; and,
- fundamental knowledge, research skills and computer literacy essential to lifelong learning.

The College of Arts and Sciences is composed of the following departments: Behavioral Science, Health and Professional Studies, Humanities and Social Science, Mathematics and Computer Science, and Natural Science. The chart on the preceding page summarizes the organization of the College of Arts and Sciences in addition to the degree options, majors, minors, and certification programs. An asterisk is used to designate the degree option(s) for a particular major, and to indicate that a department offers a minor or a certificate. The program purposes/goals of each department are listed below:

The Department of Behavioral Science offers courses in three areas of study: Behavioral Science, Psychology, and Sociology. Programs in the Department employ an interdisciplinary approach aimed at developing a strong academic background to prepare students for employment in the areas of mental health, social work, counseling, substance abuse, sociology, and psychology. In addition, the program provides the student with the flexibility to seek employment immediately after graduation or pursue graduate or professional studies. The Department goals are aimed at: (1) enhancing the student's understanding of human services settings through a broad knowledge base of applied and clinical areas of human behavior; (2) instilling an appreciation for the ethical principles governing the fields of psychology, social work, and counseling; (3) cultivating life-long learning through proficient use of technology and information; (4) developing reasoning and analytical skills; and (5) communicating effectively orally and in writing.

The Department of Health and Professional Studies is committed to the delivery of administrative-oriented courses in the areas of public safety and health, health science, and health and wellness management. The curricula are designed to provide emergency response and allied health students with the academic background to qualify for enhanced managerial and administrative career opportunities. The Department goals are aimed at: (1) enhancing the student's knowledge of personal and community health and safety issues, policies, and administrative practices of risk assessment, prevention, response, and mitigation through specialized coursework; (2) fostering strong ethical standards; (3) developing research and analytical skills to collect and analyze data using scientific methodology; (4) enhancing proficiency in the use of technology and information; and (5) communicating effectively orally and in writing.

The Department of Humanities and Social Sciences offers courses in seven areas of study: Art, English, History, Justice Studies, Political Science, Religion, and Social Science. Programs in the Department employ an interdisciplinary approach aimed at developing a strong academic background to prepare students for entry-level employment, admission into graduate or professional programs, or certification as secondary education teachers. The Department goals are aimed at: (1) enhancing the student's understanding of the world, society, and community through a broad knowledge base in the humanities and social sciences; (2) fostering respect and appreciation for diversity of people and opinions; (3) cultivating life-long learning through proficient use of technology and information; (4) developing critical thinking and analytical skills; and (5) communicating effectively orally and in writing. Students pursuing teaching certification or licensure will complete additional requirements from the College of Education.

The Department of Mathematics and Computer Science is committed to providing students with a strong academic background on the fundamentals of mathematics and computer science within the context of an increasingly technology-driven society. The program allows students the flexibility to explore a wide range of applied and theoretical

areas of mathematics, computing, and logic suitable for different employment environments in business, industry, and government or for further studies. The curriculum is designed to include an interdisciplinary approach where students can combine mathematics and/or computer science courses with other disciplines, as well as gain certification for teaching mathematics at the secondary school level. The Department goals are aimed at: (1) enhancing the student's knowledge of mathematics and computer science; (2) cultivating analytical and problem-solving skills; (3) instilling an appreciation for ethical principles to face the challenges posed by the development and uses of new technology and advanced scientific inquiry; and (4) communicating ideas clearly orally and in writing.

The Department of Natural Science offers courses in three areas of study: Biology, Chemistry, and General Science. Programs in the Department employ an interdisciplinary approach to the natural sciences providing a comprehensive science education background obtained through rigorous coursework, laboratory, and field experience. Structured to prepare students for career opportunities in science in government, industry, and education, or for pursuing post-graduate studies, the Department goals are aimed at: (1) enhancing the student's knowledge of the fundamental principles of biology, chemistry, and related life sciences and their interrelationships; (2) cultivating analytical and problem solving skills through the active teaching of the scientific method; (3) instilling an appreciation for ethical principles in the conduct of scientific inquiry and use of new technology; and (4) communicating scientific findings and ideas clearly orally and in writing. Students pursuing teaching certification or licensure will complete additional requirements from the College of Education.

Majors leading to a Bachelor of Arts degree are in the disciplines of Art, English, History, Political Science, Psychology, Religious Studies, and Sociology. Majors leading to a Bachelor of Science degree are in the disciplines of Biology, Chemistry, Computer Science, Justice Studies, Mathematics, Political Science, Psychology, and Sociology. The disciplines of Psychology and Sociology sponsor an interdisciplinary major in Behavioral Science leading to a Bachelor of Science degree. The Department of Computer Science sponsors a computer networking certificate program. The College of Arts and Sciences in cooperation with the College of Education offers Licensure and Certification Track majors in Biology, Chemistry, English, History, General Science, Mathematics, and Social Science for those students who are interested in teaching in Middle School or High School. Completion of these track requirements will lead to Class B Certification in High School Education. In cooperation with the College of Business or the College of Education, the College sponsors an interdisciplinary major in Health Science leading to the Bachelor of Science degree. Pre-medical, pre-dental, and para-medical students are advised to major in either Biology or Chemistry; a program of study tailored to meet specific recommendations of a particular professional school, and leading to a Bachelor of Science degree, will be worked out for the student in consultation with his or her Faculty Advisor.

Certain College of Arts and Sciences curricula require courses to be completed in a particular sequence. Therefore, it is important that Arts and Sciences students meet with their Faculty Advisor, to be assigned by the Counselor for the College of Arts and Sciences, as soon as possible. It must be noted, however, that the student bears individual responsibility to schedule and complete all requirements for the degree and a particular program of study. To fit specific student need, a special program of study may be devised which varies from published requirements. However, under no circumstances are alterations to a particular curriculum permitted without prior approval of the student's Faculty Advisor and completion of a Petition for Adjustment of Curriculum form.

To qualify for graduation, mathematics students must achieve a 2.5 grade point average in their major field.

ART (AR)

The bachelors degree in Art provides students with a strong foundation on the visual arts centered on in-depth study in a number of studio and art history courses. Completion of a major study in the visual arts can be taken as an integral part of a general liberal arts degree program. The program's primary goal is the self-growth of the artist while preparation for graduate studies in visual arts for majors or entry-level careers in art constitute other important goals. The curriculum is designed around the student's individual needs and a conscientious direction in planning an appropriate avenue of study within the program. The senior major exhibition culminates the study.

Bachelor of Arts - Art Major **MAJOR CODE: 50.0701**

Program components for the Bachelor of Arts degree with a major in Art include:

1. **APPLICABLE GENERAL UNIVERSITY REQUIREMENTS:**

To graduate, each student must:

- complete a minimum of 33 semester hours of the last 39 semester hours at ASU.
- complete 60 to 64 semester hours of upper level college/university credit (300-400 level courses).
- complete a minimum of 15 semester hours of upper (300/400) level coursework in his or her major at Athens State University, not including courses taken by consortium arrangement. School or departmental regulations may require more than 15 semester hours of coursework in the major at Athens State University.
- complete all course requirements for major(s).
- complete all course requirements for minor (if applicable).
- complete all of the general education requirements for the degree.
- attain an overall grade point average of 2.0, a 2.0 on all coursework attempted at Athens State University and at least a 2.0 in the major field. School or departmental regulations may require more than a 2.0 grade point average (see major requirements in each discipline).
- complete the total hour requirement as specified by the degree.
- complete the teacher certification requirements (if applicable).

EACH STUDENT MUST ASSUME RESPONSIBILITY FOR KNOWING THE ACADEMIC REQUIREMENTS FOR THE DEGREE THAT IS BEING PURSUED.

2. **GENERAL EDUCATION REQUIREMENTS:**

Area I. Written Composition	6 semester hours	___	___
Area II. Humanities/Fine Arts (12 semester hours)			
At least one fine arts course	3 semester hours	___	
At least one literature course	3 semester hours	___	
Other Humanities/Fine Arts courses	6 semester hours	___	___
Area III. Mathematics and Natural Sciences (11 semester hours)			
Finite Math or its equivalent required	3 semester hours	___	
Natural Sciences (lab based) required	8 semester hours	___	___
Area IV. History/Behavioral and Social Sciences (12 semester hours)			
At least one history course	3 semester hours	___	
Additional history/behavioral/social science courses	9 semester hours	___	___
<u>TOTAL GENERAL EDUCATION REQUIREMENTS</u>	<u>41 SEMESTER HOURS</u>		

3. MAJOR PREREQUISITE COURSES (PRE-PROFESSIONAL):	
Drawing (first course)	3 semester hours ___
Drawing (second course)	3 semester hours ___
Two-Dimensional Design (first course)	3 semester hours ___
Three-Dimensional Design (first course)	3 semester hours ___
Ancient and Medieval Art	3 semester hours ___
Survey of Post-Medieval Art	3 semester hours ___
CIS 146 Microcomputer Applications or CIS 301 Problem Solving with Computers	3 semester hours ___
General electives	2 semester hours ___
TOTAL MAJOR PREREQUISITE HOURS:	19-23 SEMESTER HOURS
TOTAL GEN. ED. REQUIREMENTS & MAJOR PREREQUISITE HOURS:	60-64 SEMESTER HOURS

4. PROFESSIONAL COURSES:	
AR 312 Figure Drawing	3 semester hours ___
+ AR 330 Topics in Photography or AR 331 Photography II	3 semester hours ___
AR 418 Art Studio	3 semester hours ___
AR 420 Art Studio or AR 404 Art Studio in Photography or AR 406 Art Studio in Graphics	3 semester hours ___
AR 423 History of Modern Art	3 semester hours ___
AR 424 Late Modern Art History	3 semester hours ___
AR 430 Advanced Drawing and Design or AR 410 Layout and Design	3 semester hours ___
AR 402 Portfolio, Exhibition and Art Research	3 semester hours ___
TOTAL PROFESSIONAL HOURS:	24 SEMESTER HOURS

+Students with emphasis in photography must take AR 330 and AR 331. Students with the A.A. or A.S. degree and photography experience, with the permission of the instructor, may elect to skip AR 330.

5. The Art major must complete a minimum of forty-five semester hours of art coursework, at least fifteen semester hours of which must be taken at Athens State University. At least 18 hours of coursework in the major must be upper-division coursework (300-400 level). All students will be required to exhibit their work on campus during their final term before graduation.
6. A minor is required. Students with emphasis in photography or graphic design are encouraged to consider a business minor. Electives in marketing or advertising are recommended as well. 18 semester hours

GENERAL ELECTIVES (May include art classes) 22 Semester Hours ___ ___ ___ ___
 ___ ___ ___ ___

TOTAL HOURS FOR GRADUATION 124-128 SEMESTER HOURS

The following minors can be obtained in the area of Art:

- Art
- Art Minor for Art Majors only
- Art History

Course requirements for these minors can be found at the end of the College of Arts and Sciences section of the catalog.

BEHAVIORAL SCIENCE

The bachelors degree in Behavioral Science is a joint degree between the fields of Psychology and Sociology. Core courses in each discipline are taken to provide the student with the option of seeking employment after graduation or to pursue graduate training. The Department goals are aimed at: (1) enhancing the student's understanding of human services settings through a broad knowledge base of applied and clinical areas of human behavior; (2) instilling an appreciation for the ethical principles governing the fields of psychology, social work, and counseling; (3) cultivating life-long learning through proficient use of technology and information; (4) developing reasoning and analytical skills, and (5) communicating effectively orally and in writing.

Bachelor of Science - Behavioral Science Major **MAJOR CODE: 30.9999**

Program components for the Bachelor of Science degree with a major in Behavioral Science include:

1. **APPLICABLE GENERAL UNIVERSITY REQUIREMENTS:**

To graduate, each student must:

- complete a minimum of 33 semester hours of the last 39 semester hours at ASU.
- complete 60 to 64 semester hours of upper level college/university credit (300-400 level courses).
- complete a minimum of 15 semester hours of upper (300/400) level coursework in his or her major at Athens State University, not including courses taken by consortium arrangement. School or departmental regulations may require more than 15 semester hours of coursework in the major at Athens State University.
- complete all course requirements for major(s).
- complete all course requirements for minor (if applicable).
- complete all of the general education requirements for the degree.
- attain an overall grade point average of 2.0, a 2.0 on all coursework attempted at Athens State University and at least a 2.0 in the major field. School or departmental regulations may require more than a 2.0 grade point average (see major requirements in each discipline).
- complete the total hour requirement as specified by the degree.
- complete the teacher certification requirements (if applicable).

EACH STUDENT MUST ASSUME RESPONSIBILITY FOR KNOWING THE ACADEMIC REQUIREMENTS FOR THE DEGREE THAT IS BEING PURSUED.

2. **GENERAL EDUCATION REQUIREMENTS:**

Area I. Written Composition 6 semester hours ___ ___

Area II. Humanities/Fine Arts (12 semester hours)

At least one fine arts course 3 semester hours ___

At least one literature course 3 semester hours ___

Other Humanities/Fine Arts courses 6 semester hours ___ ___

Area III. Mathematics and Natural Sciences (11 semester hours)

Finite Math or its equivalent required 3 semester hours ___

Natural Sciences (lab based) required 8 semester hours ___ ___

Area IV. History/Behavioral and Social Sciences (12 semester hours)

At least one history course 3 semester hours ___

Other History/Behavioral or Social Science courses 9 semester hours ___ ___ ___

TOTAL GENERAL EDUCATION REQUIREMENTS **41 SEMESTER HOURS**

3. **MAJOR PREREQUISITE COURSES (PRE-PROFESSIONAL):**

CIS 146 Microcomputer Applications <u>or</u>			
CIS 301 Problem Solving with Computers	3 semester hours	___	
General Electives	20 semester hours	___	___
		___	___

TOTAL MAJOR PREREQUISITE HOURS: 23 SEMESTER HOURS

TOTAL GEN. ED. REQ. & MAJOR PREREQUISITE HOURS: 64 SEMESTER HOURS

4. **PROFESSIONAL COURSES:**

The following courses must be completed at the 300/400 level:

PS 304 Drugs and Behavior	3 semester hours	___
PS 331 Social Psychology	3 semester hours	___
PS 332 Child Psychology <u>or</u>		
PS 334 Adolescent Psychology <u>or</u>		
PS 335 Adult Psychology	3 semester hours	___
PS 341 Statistics with Advanced Topics in Behavioral Science	3 semester hours	___
PS 352 Abnormal Psychology	3 semester hours	___
Psychology Elective	3 semester hour	___
SO 312 Majority/Minority Group Relations	3 semester hours	___
SO 342 Methods of Behavioral Science Research	3 semester hours	___
SO 360 The Contemporary American Family	3 semester hours	___
SO 361 Social Analysis	3 semester hours	___
SO 362 Deviant Social Behavior	3 semester hours	___
PS/SO 499 Thinking, Writing, and Speaking in the Behavioral Sciences	3 semester hours	___
Sociology Elective	3 semester hours	___

TOTAL PROFESSIONAL HOURS: 39 SEMESTER HOURS

5. A minor **is not** required.

6. **GENERAL ELECTIVES 25 Semester Hours** ___ ___ ___

The behavioral science major is encouraged to select electives related to work in the human services field. Such electives would include additional psychology and sociology courses, but no more than 12 semester hours in these areas, and Human Anatomy and Physiology, Human Sexuality, and Criminal Justice.

7. **TOTAL HOURS FOR GRADUATION 128 SEMESTER HOURS**

The following minors can be obtained in the area of Behavioral Science:

- Behavioral Science
- Gender and Multicultural Studies
- Gerontology
- Psychology
- Sociology

Course requirements for these minors can be found at the end of the College of Arts and Sciences section of the catalog.

BIOLOGY (BI)

The bachelors degree in Biology prepares students for careers in research and technical areas requiring a baccalaureate degree and for pursuing graduate studies through comprehensive science education encompassing standard academic courses in biology, chemistry, mathematics, and computer science. Program graduates have the skills and competencies to gain employment in government and industry careers requiring a knowledge base in biology, including medical and other health-related fields, seek admission to graduate and/or professional programs, and teach science at the secondary school level. The Department of Biology sponsors majors leading to the Bachelor of Science degree and to the Bachelor of Science degree with teacher licensure (6-12). Biology and Marine Science minors also are offered.

Bachelor of Science - Biology Major

MAJOR CODE: 26.0101

Program components for the Bachelor of Science degree with a major in Biology include:

1. **APPLICABLE GENERAL UNIVERSITY REQUIREMENTS:**

To graduate, each student must:

- complete a minimum of 33 semester hours of the last 39 semester hours at ASU.
- complete 60 to 64 semester hours of upper level college/university credit (300-400 level courses).
- complete a minimum of 15 semester hours of upper (300/400) level coursework in his or her major at Athens State University, not including courses taken by consortium arrangement. School or departmental regulations may require more than 15 semester hours of coursework in the major at Athens State University.
- complete all course requirements for major(s).
- complete all course requirements for minor (if applicable).
- complete all of the general education requirements for the degree.
- attain an overall grade point average of 2.0, a 2.0 on all coursework attempted at Athens State University and at least a 2.0 in the major field. School or departmental regulations may require more than a 2.0 grade point average (see major requirements in each discipline).
- complete the total hour requirement as specified by the degree.
- complete the teacher certification requirements (if applicable).

EACH STUDENT MUST ASSUME RESPONSIBILITY FOR KNOWING THE ACADEMIC REQUIREMENTS FOR THE DEGREE THAT IS BEING PURSUED.

2. **GENERAL EDUCATION REQUIREMENTS:**

Area I. Written Composition 6 semester hours ___ __

Area II. Humanities/Fine Arts (12 semester hours)

At least one fine arts course 3 semester hours ___

At least one literature course 3 semester hours ___

Other Humanities/Fine Arts courses 6 semester hours ___ __

Area III. Mathematics and Natural Sciences (11 semester hours)

Precalculus Algebra or higher 3 semester hours ___

Principles of Biology I and II 8 semester hours ___ __

Area IV. History/Behavioral and Social Sciences (12 semester hours)

At least one history course 3 semester hours ___

Other History/Behavioral or Social Science courses 9 semester hours ___ __ __

TOTAL GENERAL EDUCATION REQUIREMENTS 41 SEMESTER HOURS

3. **MAJOR PREREQUISITE COURSES (PRE-PROFESSIONAL):**
The biology major must complete:
 College Chemistry I 4 semester hours ___
 College Chemistry II 4 semester hours ___
 Biology or Chemistry Elective 4 semester hours ___
 Elementary Statistics or Calculus I 3-4 semester hours ___
 Fundamentals of Organic Chemistry or Organic Chemistry I 3-4 semester hours ___
 CIS 146 Microcomputer Applications or
 CIS 301 Problem Solving with Computers 3 semester hours ___
TOTAL MAJOR PREREQUISITE HOURS: 21-23 SEMESTER HOURS

TOTAL GEN. ED. REQ. & MAJOR PREREQUISITE HOURS: 62-64 SEMESTER HOURS

4. **PROFESSIONAL COURSES:**
 BI 301/BI 301L Cell Structure and Function 4 semester hours ___
 BI 302/BI 302L Genetics 4 semester hours ___
 *BI 303/BI 303L General Ecology or BI 453/BI 453L Plant Ecology 4 semester hours ___
 BI 470 Biology Capstone 1 semester hour ___

A minimum of 18 semester credit hours from among the following biology courses:

- BI 300/BI 300L Microbes and You 4 semester hours ___
 BI 303/BI 303L General Ecology 4 semester hours ___
 BI 311/BI 311L Biodiversity of North Alabama 4 semester hours ___
 BI 321 Conservation Biology 3 semester hours ___
 BI 342/BI 342L Economic Botany 4 semester hours ___
 BI 361/BI 361L Human Structure and Function 4 semester hours ___
 BI 409 Biochemistry 3 semester hours ___
 BI 411/BI 411L Invertebrate Systematics and Morphology 4 semester hours ___
 BI 413/BI 413L Vertebrate Biology 4 semester hours ___
 BI 414/BI 414L Comparative Vertebrate Anatomy 4 semester hours ___
 BI 415 Microbial Toxins and Human Health 3 semester hours ___
 BI 420 Field Vertebrate Zoology I: Ichthyology and Herpetology 4 semester hours ___
 BI 422 Field Vertebrate Zoology II: Ornithology and Mammalogy 4 semester hours ___
 BI 423/BI 423L Histology 4 semester hours ___
 BI 424/BI 424L Animal Physiology 4 semester hours ___
 BI 425/BI 425L Developmental Biology 4 semester hours ___
 BI 427/BI 427L Parasitology 4 semester hours ___
 BI 429/BI 429L Immunology 4 semester hours ___
 BI 431/BI 431L Plant Systematics and Morphology 4 semester hours ___
 BI 451/451L Marine Biology 4 semester hours ___
 BI 452/BI 452L Marine Ecology 4 semester hours ___
 BI 453/453L Plant Ecology 4 semester hours ___

*Students may take both ecology (BI 303/BI 303L and BI 453/BI 453L) courses and count one as a biology elective.

TOTAL PROFESSIONAL HOURS: 31 SEMESTER HOURS

5. The Biology major must complete a minimum of 18 semester hours of upper division biology coursework, at least 12 semester hours of which must be taken at Athens State University. Courses taken under the S.I.R. agreement do not constitute upper division coursework. The major who plans to attend graduate, medical, or other professional (e.g., veterinary, chiropractic, optometry, pharmacy) school, or who seeks special licensure or certification (e.g., physical therapist, wildlife biologist) should determine the specific recommendations or requirements of the particular school, licensing or certifying agency for science and mathematics coursework and complete the recommended or required coursework. A program of study tailored to meet specific recommendations and/or requirements for science and mathematics coursework then will be developed for the major in consultation with his or her Faculty Advisor. In general, the following courses or their equivalents frequently are recommended or required:

 Calculus I, II (MA 303, 304) Physics (PY 301, 302)
 Organic Chemistry (CH 311, 312) Biochemistry (BI 409 or CH 409)

6. A minor is required. 18 semester hours
 7. **GENERAL ELECTIVES** **13 semester hours** ___ ___ ___
 8. **TOTAL HOURS FOR GRADUATION** **124-125 SEMESTER HOURS**

9. **Exit examination (required):** The Department of Biology administers an exit examination to its majors. The examination serves the following purposes:

- (1) Establishes a benchmark for assessing knowledge gained as a result of completing the biology major at Athens State University;
- (2) Assesses preparedness for graduate study or for admission to professional school; and
- (3) Assesses preparedness for a career as a biologist.

There is no cost for taking the examinations; nor is it necessary to undertake any special preparation for the examination. Exit examination questions are drawn from the following areas: Cellular Biology, Ecology (including Field Ecology), Genetics, Vascular and Non-vascular Botany, and Invertebrate and Vertebrate Zoology. The examination is designed to be completed in 60 minutes. The exit examination is administered during the term at the end of which the major expects to graduate. Contact the Office of Testing (256-233-6560) to schedule an appointment.

Exit examination _____

The following minors can be obtained in the area of Biology:

- **Biology**
- **Marine Science**

Course requirements for these minors can be found at the end of the College of Arts and Sciences section of the catalog.

MARINE ENVIRONMENTAL SCIENCES CONSORTIUM

Athens State University is a member of the Marine Environmental Sciences Consortium, based at Dauphin Island, Alabama. This affiliation offers Athens State University students an opportunity to take courses and conduct research in estuarine and marine environments. Courses offered during the summer at Dauphin Island Sea Lab may be taken for credit at Athens State University toward a major or minor in biology or a minor in marine science. Some of the course offerings cannot be taken for biology major or minor credit. All programs of study that involve marine science courses must be approved by the MESC liaison. A Dauphin Island Sea Lab Information Bulletin listing summer school course offerings can be obtained early in the spring semester from a member of the Athens State University Department of Biology. Active courses of undergraduate instruction sponsored by the Consortium include the following:

Coastal Birds of Alabama	Coral Reef Ecology	Marine Technical Methods
Marine Biology	Oceanology of the Gulf of Mexico	Coastal Geomorphology
Marine Invertebrate Zoology	Advanced Anatomy and Evolution of Marine Fishes	Coastal Climatology
Marine Botany	Introduction to Neurobiology	Marine Aquaculture
Marine Geology	Marine Fish Diseases	Coastal Zone Management
Marine Ecology	Introduction to Oceanography	Dolphins and Whales
Marine Vertebrate Zoology		Marine Behavioral Ecology

Bachelor of Science - Biology Major
(Licensure and Certification Track for Teaching in Secondary Education) (Grades 6-12)
MAJOR CODE: 26.0101

(Due to the No Child Left Behind Federal Act of 2001, the program listed below may have changed. See your advisor.)

NOTE: To teach in secondary schools, the students MUST:

- 1) complete the below listed requirements to include the minor for certification and licensure;
- 2) contact the certification officer in the College of Education for approval of appropriate professional education courses and compliance with NCLB Federal Act of 2001 and State Department of Education licensure standards;
- 3) maintain a grade point average of at least a 2.5 on a 4.0 scale in the teaching field and overall education. A 2.75 is required in the professional studies. This is a requirement for student teaching and for graduation.
- 4) repeat courses in which D's and F's are made. Education courses with the prefixes ED, EL, ER, SC, SE, CE, and HPE may be repeated one time only; and
- 5) understand that underlined courses in the minor require admission into the Teacher Education Program (TEP).

1. APPLICABLE GENERAL UNIVERSITY REQUIREMENTS:

To graduate, each student must:

- complete a minimum of 33 semester hours of the last 39 semester hours at ASU.
- complete 60 to 64 semester hours of upper level college/university credit (300-400 level courses).
- complete a minimum of 15 semester hours of upper (300/400) level coursework in his or her major at Athens State University, not including courses taken by consortium arrangement. School or departmental regulations may require more than 15 semester hours of coursework in the major at Athens State University.
- complete all course requirements for major(s).
- complete all course requirements for minor (if applicable).
- complete all of the gen. ed. requirements for the degree.
- complete the total hour requirement as specified by the degree.
- complete the teacher certification requirements (if applicable).

EACH STUDENT MUST ASSUME RESPONSIBILITY FOR KNOWING THE ACADEMIC REQUIREMENTS FOR THE DEGREE THAT IS BEING PURSUED. PLEASE FOLLOW CAREFULLY.

2. GENERAL EDUCATION REQUIREMENTS:

Area I. Written Composition 6 semester hours ___ ___

Area II. Humanities and Fine Arts (12 semester hours)

Fine Arts 3 semester hours ___
 Speech (SPH 106 or SPH 107) 3 semester hours ___
 Other Humanities/Fine Arts course 3 semester hours ___
 Literature* 3 semester hours ___ or 6 semester hours ___ ___

Area III. Mathematics and Natural Sciences (11 semester hours)

Precalculus Algebra or higher 3 semester hours ___
 Principles of Biology I and II 8 semester hours ___ ___

Area IV. History/Behavioral and Social Sciences (12 semester hours)

History* 3 semester hours ___ or 6 semester hours ___ ___
 General Psychology 3 semester hours ___
 Other History/Behavioral or Social Science elective 3 semester hours ___

***Students must complete a 6 semester hour sequence either in Area II Literature or Area IV History.**

TOTAL GENERAL EDUCATION REQUIREMENTS: 41 SEMESTER HOURS

3. **MAJOR PREREQUISITE COURSES (PRE-PROFESSIONAL)**

The biology major must complete:

College Chemistry I	4 semester hours	___
College Chemistry II	4 semester hours	___
Biology or Chemistry Elective	4 semester hours	___
Elementary Statistics <u>or</u> Calculus I	3-4 semester hours	___
Fundamentals of Organic Chemistry <u>or</u> Organic Chemistry I	3-4 semester hours	___
Electives	3-5 semester hours	___

TOTAL MAJOR PREREQUISITE HOURS: 21-25 SEMESTER HOURS

TOTAL GEN. ED. REQ. AND MAJOR PREREQUISITE HOURS: 62-66 SEMESTER HOURS

4. **PROFESSIONAL COURSES:**

BI 301/BI 301L Cell Structure and Function	4 semester hours	___
BI 302/BI 302L Genetics	4 semester hours	___
BI 303/BI 303L General Ecology	4 semester hours	___

A minimum of 18 semester credit hours from among the following biology courses:

BI 300/BI 300L Microbes and You	4 semester hours	___
BI 311/BI 311L Biodiversity of North Alabama	4 semester hours	___
BI 321 Conservation Biology	3 semester hours	___
BI 342/BI 342L Economic Botany	4 semester hours	___
BI 409 Biochemistry	3 semester hours	___
BI 411/BI 411L Invertebrate Systematics and Morphology	4 semester hours	___
BI 413/BI 413L Vertebrate Biology	4 semester hours	___
BI 414/BI 414L Comparative Vertebrate Anatomy	4 semester hours	___
BI 415 Microbial Toxins and Human Health	3 semester hours	___
BI 420 Field Vertebrate Zoology I: Ichthyology and Herpetology	4 semester hours	___
BI 422 Field Vertebrate Zoology II: Ornithology and Mammalogy	4 semester hours	___
BI 423/BI 423L Histology	4 semester hours	___
BI 424/ BI 424L Animal Physiology	4 semester hours	___
BI 425/BI 425L Developmental Biology	4 semester hours	___
BI 427/BI 427L Parasitology	4 semester hours	___
BI 429/BI 429L Immunology	4 semester hours	___
BI 431//BI 431L Plant Systematics and Morphology	4 semester hours	___
BI 451/BI 451L Marine Biology	4 semester hours	___
BI 452/BI 452L Marine Ecology	4 semester hours	___
BI 453/BI 453L Plant Ecology	4 semester hours	___

TOTAL PROFESSIONAL HOURS: 30 SEMESTER HOURS

5. The Biology major must complete a minimum of 18 semester hours of upper division biology coursework, at least 12 semester hours of which must be taken at Athens State University. Courses taken under the S.I.R. agreement do not constitute upper division coursework.

6. **Exit examination (required):** The Department of Biology administers an exit examination This examination is required for graduation and serves the following purposes:

- (1) Establishes a benchmark for assessing knowledge gained as a result of completing the biology major at Athens State University;
- (2) Assesses preparedness for graduate study or for admission to professional school; and
- (3) Assesses preparedness for a career as a biologist.

There is no cost for taking the examination, nor is it necessary to undertake any special preparation for the examination. Exit examination questions are drawn from the following areas: Cellular Biology, Ecology (including Field Ecology), Genetics, Vascular and Non-vascular Botany, and Invertebrate and Vertebrate Zoology. The examination is designed to be completed in 60 minutes. The exit examination is administered during the term at the end of which the major expects to graduate. Contact the Office of Testing (256-233-6560) to schedule an appointment.

7. MINOR COURSES FOR CERTIFICATION:	
ED 301 Foundations of Education I	3 semester hours ___
ED 302 Foundations of Education II	3 semester hours ___
ED 305 Technology & Media in Education	3 semester hours ___
SC 331 Classroom Management in Secondary Education	3 semester hours ___
SC 333 <u>Teaching Reading/Writing in the Content Areas</u>	3 semester hours ___
SC 362 <u>Assessment and Evaluation in Secondary Education</u>	3 semester hours ___
PS 334 Adolescent Psychology	3 semester hours ___
SE 301 <u>Introduction to Exceptional Learners</u>	3 semester hours ___
BI 456 <u>Materials/Methods of Teaching Biology in the Middle School/ High School</u>	3 semester hours ___
SC 486 <u>Internship in High School Education</u>	9 semester hours ___ ___ ___
TOTAL MINOR REQ. FOR LICENSURE/CERTIFICATION:	36 SEMESTER HOURS
TOTAL HOURS FOR GRADUATION	128-132 SEMESTER HOURS

CHEMISTRY (CH)

The bachelors degree in Chemistry prepares students for careers in industry or government, graduate or professional study, or secondary school teaching. By means of a rigorous program of chemistry courses through formal classroom instruction, laboratory exercises involving wet chemistry, instrumentation, and computer software packages, directed study, and research, students obtain a strong academic background in chemistry and its applications. The curriculum offers flexibility for students to design and prepare for their chosen career or educational path by selecting appropriate electives based on their particular area of interest. The program's goals are aimed at: (1) providing a knowledge base of chemistry theory and concepts; (2) teaching a systematic, thoughtful approach to problem solving; and (3) having graduates communicate scientific information clearly and concisely.

Bachelor of Science - Chemistry Major

MAJOR CODE: 40.0501

Program components for the Bachelor of Science degree with a major in Chemistry include:

1. **APPLICABLE GENERAL UNIVERSITY REQUIREMENTS:**

To graduate, each student must:

- complete a minimum of 33 semester hours of the last 39 semester hours at ASU.
- complete 60 to 64 semester hours of upper level college/university credit (300-400 level courses).
- complete a minimum of 15 semester hours of upper (300/400) level coursework in his or her major at Athens State University, not including courses taken by consortium arrangement. School or departmental regulations may require more than 15 semester hours of coursework in the major at Athens State University.
- complete all course requirements for major(s).
- complete all course requirements for minor (if applicable).
- complete all of the general education requirements for the degree.
- attain an overall grade point average of 2.0, a 2.0 on all coursework attempted at Athens State University and at least a 2.0 in the major field. School or departmental regulations may require more than a 2.0 grade point average (see major requirements in each discipline).
- complete the total degree requirements as specified by the degree.
- complete the teacher certification requirements (if applicable).

EACH STUDENT MUST ASSUME RESPONSIBILITY FOR KNOWING THE ACADEMIC REQUIREMENTS FOR THE DEGREE THAT IS BEING PURSUED.

2. **GENERAL EDUCATION REQUIREMENTS:**

Area I.	Written Composition	6 semester hours	___	___
Area II.	Humanities/Fine Arts (12 semester hours)			
	At least one fine arts course	3 semester hours	___	
	At least one literature course	3 semester hours	___	
	Other Humanities/Fine Arts courses	6 semester hours	___	___
Area III.	Mathematics and Natural Sciences (12 semester hours)			
	Calculus I*	4 semester hours	___	
	College Chemistry I and II	8 semester hours	___	___
Area IV.	History/Behavioral and Social Sciences (12 semester hours)			
	At least one history course	3 semester hours	___	
	Other History/Behavioral or Social Science courses	9 semester hours	___	___

***Prerequisites: Precalculus Algebra and Precalculus Trigonometry**

TOTAL GENERAL EDUCATION REQUIREMENTS 42 SEMESTER HOURS

3. **MAJOR PREREQUISITE COURSES (PRE-PROFESSIONAL COURSES):**
- | | | |
|---|------------------|-----|
| Calculus II | 4 semester hours | ___ |
| Calculus III | 4 semester hours | ___ |
| General Physics I (Calculus based) | 4 semester hours | ___ |
| General Physics II (Calculus based) | 4 semester hours | ___ |
| Microcomputer Applications | 3 semester hours | ___ |
| Electives | 3 semester hours | ___ |
- TOTAL MAJOR PREREQUISITE HOURS: 22 SEMESTER HOURS**
- TOTAL GEN. ED. REQ. & MAJOR PREREQUISITE HOURS: 64 SEMESTER HOURS**
4. **PROFESSIONAL COURSES:**
- | | | |
|---|------------------|-----|
| CH 311/CH 311L Organic Chemistry I | 5 semester hours | ___ |
| CH 312/CH 312L Organic Chemistry II | 5 semester hours | ___ |
| CH 314/CH 314L Polymer Science | 4 semester hours | ___ |
| CH 324/CH 324L Analytical Chemistry | 4 semester hours | ___ |
| CH 330 Environmental Chemistry** | 3 semester hours | ___ |
| CH 410/CH 410L Instrumental Analysis | 4 semester hours | ___ |
| CH 420 Intermediate Inorganic Chemistry | 3 semester hours | ___ |
| CH 430/CH 430L Physical Chemistry I | 5 semester hours | ___ |
| CH 431/CH 431L Physical Chemistry II | 4 semester hours | ___ |
- **The major who plans to attend medical school or health related professional (e.g., veterinary, chiropractic, osteopathic, pharmacy) schools may substitute CH 409 Biochemistry for either CH 314 or CH 330.
- TOTAL PROFESSIONAL HOURS: 37 SEMESTER HOURS**
5. The chemistry major must complete a minimum of 24 semester hours of upper division 300/400 level chemistry coursework at Athens State University. For those majors who plan to attend graduate, medical, or other professional school, the following courses are recommended:
- CH 409 Biochemistry
MA 421 Differential Equations
6. A minor is **not** required.
7. **GENERAL ELECTIVES: 27 semester hours** ___ ___ ___ ___
 ___ ___ ___ ___

8. **TOTAL HOURS FOR GRADUATION 128 SEMESTER HOURS**
9. **Exit Examination:** During the final term of enrollment at Athens State, the chemistry major must complete the major field achievement examination for chemistry.
- The following minor can be obtained in the area of Chemistry:**
- **Chemistry**

Course requirements for this minor can be found at the end of the College of Arts and Sciences section of the catalog.

Bachelor of Science - Chemistry Major
(Licensure and Certification Track for Teaching in Secondary Education) (Grades 6-12)
MAJOR CODE: 40.0501

(Due to the No Child Left Behind Federal Act of 2001, the program listed below may have changed. See your advisor.)

NOTE: To teach in secondary schools, the students MUST:

- 1) complete the below listed requirements to include the minor for certification and licensure;
- 2) contact the certification officer in the College of Education for approval of appropriate professional education courses and compliance with NCLB Federal Act of 2001 and State Department of Education licensure standards;
- 3) maintain a grade point average of at least a 2.5 on a 4.0 scale in the teaching field and overall education. A 2.75 is required in the professional studies. This is a requirement for student teaching and for graduation.
- 4) repeat courses in which D's and F's are made and realize that all attempts are calculated in the GPA. Education courses with the prefixes ED, EL, ER, SC, SE, CE, and HPE may be repeated one time only ; and
- 5) understand that underlined courses in the minor require admission into the Teacher Education Program (TEP).

1. APPLICABLE GENERAL UNIVERSITY REQUIREMENTS:

To graduate, each student must:

- complete a minimum of 33 semester hours of the last 39 semester hours at ASU.
- complete 60 to 64 semester hours of upper level college/university credit (300-400 level courses).
- complete a minimum of 15 semester hours of upper (300/400) level coursework in his or her major at Athens State University, not including courses taken by consortium arrangement. School or departmental regulations may require more than 15 semester hours of coursework in the major at Athens State University.
- complete all course requirements for major(s).
- complete all course requirements for minor (if applicable).
- complete all of the general education requirements for the degree.
- complete the total hour requirement as specified by the degree.
- complete the teacher certification requirements (if applicable).

EACH STUDENT MUST ASSUME RESPONSIBILITY FOR KNOWING THE ACADEMIC REQUIREMENTS FOR THE DEGREE THAT IS BEING PURSUED. PLEASE FOLLOW CAREFULLY.

2. GENERAL EDUCATION REQUIREMENTS:

Area I. Written Composition 6 semester hours ___ ___

Area II. Humanities and Fine Arts (12 semester hours)

The Arts 3 semester hours ___
 Speech (SPH 106 or SPH 107) 3 semester hours ___
 Humanities Elective 3 semester hours ___
 Literature* 3 semester hours ___ or 6 semester hours ___ ___

Area III. Natural Sciences and Mathematics (12 semester hours)

Calculus I** 4 semester hours ___
 College Chemistry I and II 8 semester hours ___

Area IV. History/Behavioral and Social Sciences (12 semester hours)

History* 3 semester hours ___ or 6 semester hours ___ ___
 General Psychology 3 semester hours ___
 Other History/Behavioral or Social Science Elective 3 semester hours ___

***Students must complete a 6 semester hour sequence in either Area II Literature or Area IV History.**

****Prerequisites: Precalculus Algebra and Precalculus Trigonometry**

TOTAL GENERAL EDUCATION REQUIREMENTS: 42 SEMESTER HOURS

3. **MAJOR PREREQUISITE COURSES (PRE-PROFESSIONAL)**

Calculus II	4 semester hours	___
Calculus III	4 semester hours	___
General Physics I (Calculus based)	4 semester hours	___
General Physics II (Calculus based)	4 semester hours	___
Electives	6 semester hours	___ ___

TOTAL MAJOR PREREQUISITE HOURS: 22 SEMESTER HOURS

TOTAL GEN. ED. REQ. AND MAJOR PREREQUISITE HOURS: 64 SEMESTER HOURS

4. **PROFESSIONAL COURSES:**

CH 311/CH 311L Organic Chemistry I	5 semester hours	___
CH 312/CH 312L Organic Chemistry II	5 semester hours	___
CH 324 /CH 324L Analytical Chemistry	4 semester hours	___
CH 330 Environmental Chemistry	3 semester hours	___
CH 409 Biochemistry	3 semester hours	___
CH 410/CH 410L Instrumental Analysis	4 semester hours	___
CH 420 Intermediate Inorganic Chemistry	3 semester hours	___
CH 430/CH 430L Physical Chemistry I	5 semester hours	___
CH 431/CH 431L Physical Chemistry II	4 semester hours	___

TOTAL PROFESSIONAL HOURS: 36 SEMESTER HOURS

5. The chemistry major must complete a minimum, of 24 semester hours of upper division 300/400 level chemistry coursework at Athens State University.

6. **Exit Examination: During the final term of enrollment at Athens State, the chemistry major must complete the major field achievement examination for chemistry.**

7. **MINOR COURSES FOR CERTIFICATION:**

ED 301 Foundations of Education I	3 semester hours	___
ED 302 Foundations of Education II	3 semester hours	___
ED 305 Technology & Media in Education	3 semester hours	___
SC 331 Classroom Management in Secondary Education	3 semester hours	___
SC 333 <u>Teaching Reading/Writing in the Content Areas</u>	3 semester hours	___
SC 362 <u>Assessment and Evaluation in Secondary Education</u>	3 semester hours	___
PS 334 Adolescent Psychology	3 semester hours	___
SE 301 <u>Introduction to Exceptional Learners</u>	3 semester hours	___
CH 456 <u>Materials and Methods of Teaching Chemistry in Middle School/ High School</u>	3 semester hours	___
SC 486 <u>Internship in High School Education</u>	9 semester hours	___ ___ ___

TOTAL MINOR REQ. FOR LICENSURE/CERTIFICATION 36 SEMESTER HOURS

TOTAL HOURS FOR GRADUATION 136 SEMESTER HOURS

COMPUTER SCIENCE (CS)

The bachelors degree in Computer Science provides students with a strong foundation in programming, problem analysis, problem solving, and software engineering. There are two additional options to the Computer Science Degree: Computer Information Systems (CIS Option) and Computer Networking (CN Option). The CIS option provides students with a foundation in business and information systems to complement the core requirements in problem solving and programming. The CN option tailors the program for those students seeking expertise in the development, design, and administration of computer networks.

CS, CIS and CN curricula emphasize structured programming, problem solving, and software engineering, and require significant hands-on experience using hardware and software resources available in state-of-the-art computer laboratories maintained by the Department.

The CS curriculum is designed to prepare students for the job market and/or for graduate school.

The CIS curriculum focuses on problem solving in a business environment. The goal of this curriculum is to prepare the student for the job market as a technically oriented member of an information systems development team.

The Computer Networking (CN) program focuses on the technical aspects of computer networking. Combined with the structured programming features found in both the CS and CIS curricula, the student should be well prepared for the job market. The student who successfully completes CN 301, CN 302, CN 303, CN 304, and a locally administered certification exam can certify as a NACSE Associate Network Specialist (NANS); the student who successfully completes all eight CN courses and a locally administered certification exam can certify as a NACSE Senior Network Specialist (NSNS).

The Computer Science Department imposes the following requirements and restrictions on accepting computer science courses from other institutions:

- No RPG or computer applications courses will be accepted.
- Not more than 3 semester hours of FORTRAN will be accepted.
- Introduction to Information Systems and Basic Programming will not be accepted as electives.
- “System Analysis and Design” courses cannot be substituted for CS 451 or CS 452.
- “Work-based experience” credit cannot be substituted for CS 451 or CS 452.
- Locally administered certification examinations are not accepted.

Bachelor of Science - Computer Science Major
MAJOR CODE: 11.0101A

Program components for the Bachelor of Science degree with a major in Computer Science include:

1. **APPLICABLE GENERAL UNIVERSITY REQUIREMENTS:**

To graduate, each student must:

- complete a minimum of 33 semester hours of the last 39 semester hours at ASU.
- complete 60 to 64 semester hours of upper level college/university credit (300-400 level courses).
- complete a minimum of 15 semester hours of upper (300/400) level coursework in his or her major at Athens State University, not including courses taken by consortium arrangement. School or departmental regulations may require more than 15 semester hours of coursework in the major at Athens State University.
- complete all course requirements for major(s).
- complete all course requirements for minor (if applicable).
- complete all of the general education requirements for the degree.
- attain an overall grade point average of 2.0, a 2.0 on all coursework attempted at Athens State University and at least a 2.0 in the major field. School or departmental regulations may require more than a 2.0 grade point average (see major requirements in each discipline).
- complete the total hour requirement as specified by the degree.
- complete the teacher certification requirements (if applicable).

EACH STUDENT MUST ASSUME RESPONSIBILITY FOR KNOWING THE ACADEMIC REQUIREMENTS FOR THE DEGREE THAT IS BEING PURSUED.

2. **GENERAL EDUCATION REQUIREMENTS:**

Area I. Written Composition	6 semester hours	___	___
Area II. Humanities/Fine Arts (12 semester hours)			
At least one fine arts course	3 semester hours	___	
At least one literature course	3 semester hours	___	
Other Humanities/Fine Arts courses	6 semester hours	___	___
Area III. Mathematics and Natural Sciences (11 semester hours)			
Precalculus Algebra <u>or</u> Precalculus Algebra and Trigonometry	3 semester hours	___	
Natural Sciences (lab based)	8 semester hours	___	___
Area IV. History/Behavioral and Social Sciences (12 semester hours)			
At least one history course	3 semester hours	___	
Other History/Behavioral or Social Science courses	9 semester hours	___	___
<u>TOTAL GENERAL EDUCATION REQUIREMENTS</u>		<u>41 SEMESTER HOURS</u>	

3. **MAJOR PREREQUISITE COURSES (PRE-PROFESSIONAL COURSES):**

Precalculus Trigonometry*	3 semester hours	___
Calculus I	4 semester hours	___
Calculus II	4 semester hours	___
Calculus III	4 semester hours	___
Introduction to Programming/Logic	3 semester hours	___
Computer Programming Class	3 semester hours	___
General electives	0-5 semester hours	___

*If Precalculus Algebra (3 semester hours) is completed to satisfy the Area III mathematics requirement, the student should complete Precalculus Trigonometry (3 semester hours) in addition to Precalculus Algebra. Completion of Precalculus Algebra and Trigonometry (4 semester hours) will satisfy both the Area III mathematics requirement and the Area V requirement for Trigonometry.

TOTAL MAJOR PREREQUISITE HOURS: 19-23 SEMESTER HOURS

TOTAL GEN. ED. REQ. & MAJOR PREREQUISITE HOURS: 60-64 SEMESTER HOURS

4. **PROFESSIONAL COURSES:**

Linear Algebra or MA 310 Matrices and Linear Algebra	3 semester hours	___
MA 308 Discrete Mathematics	3 semester hours	___
MA 331 Applied Statistics and Probability**	3 semester hours	___

(**MA 331 does not count toward a math major, MA 431/MA 432 will.)

Two of the following: 6 semester hours ___ ___

- MA 316 Vector Analysis
- MA 320 Modern Algebra
- MA 421 Differential Equations
- MA 423 Numerical Analysis

CN 301 Networking Fundamentals	2 semester hours	___
CS 309 Introduction to Digital Logic Design	3 semester hours	___
CS 309L Digital Design Lab	1 semester hour	___
CS 317 Computer Science I (C++)	3 semester hours	___
CS 318 Computer Science II (C++)	3 semester hours	___
CS 340 Introduction to Assembly Language	3 semester hours	___
CS 372 Data Structures	3 semester hours	___
CS 409 Computer Organization and Architecture	3 semester hours	___
CS 414 Programming Languages	3 semester hours	___
CS 415 Operating Systems	3 semester hours	___
CS 451 Software Engineering	3 semester hours	___
CS 452 Senior Software Engineering Project	3 semester hours	___
CS 452L Senior Software Engineering Project Lab	1 semester hour	___
CS 472 Algorithm Analysis	3 semester hours	___
Upper Level 300/400 Computer Science Electives***	6 semester hours	___ ___

***Any computer science (CS), computer information systems (CIS), or computer networking (CN) course to be used as an upper level computer science elective must have prior approval of the student's Faculty Advisor.

TOTAL PROFESSIONAL HOURS 58 SEMESTER HOURS

5. The Computer Science major must complete a minimum of 24 semester hours of upper division 300/400 level coursework in computer science (CS), Computer Information Systems (CIS), or Computer Networking (CN) at Athens State University. At least 6 semester hours of CS, CIS, or CN electives must be completed at Athens State University.

6. A minor is not required.

7. **GENERAL ELECTIVES 6 Semester Hours** ___ ___

8. **TOTAL HOURS FOR GRADUATION 124-128 SEMESTER HOURS**

9. **Pre-assessment and Exit Examinations:**

For a CS major to graduate from Athens State University, the Department of Computer Science requires all CS majors to complete an exit examination; however, the result of this examination is not a criterion for graduation.

The following minors can be obtained in the area of Computer Science:

- **Computer Science**
- **Computer Information Systems**
- **Computer Networking**

Course requirements for these minors can be found at the end of the College of Arts and Sciences section of the catalog.

Bachelor of Science - Computer Science Major
(Computer Information Systems Option)
MAJOR CODE: 11.0101B

Program components for the Bachelor of Science degree with a major in Computer Science - Computer Information Systems Option) include:

1. **APPLICABLE GENERAL UNIVERSITY REQUIREMENTS.**

To graduate, each student must:

- complete a minimum of 33 semester hours of the last 39 semester hours at ASU.
- complete 60 to 64 semester hours of upper level college/university credit (300-400 level courses).
- complete a minimum of 15 semester hours of upper (300/400) level coursework in his or her major at Athens State University, not including courses taken by consortium arrangement. School or departmental regulations may require more than 15 semester hours of coursework in the major at Athens State University.
- complete all course requirements for major(s).
- complete all course requirements for minor (if applicable).
- complete all of the general education requirements for the degree.
- attain an overall grade point average of 2.0, a 2.0 on all coursework attempted at Athens State University and at least a 2.0 in the major field. School or departmental regulations may require more than a 2.0 grade point average (see major requirements in each discipline).
- complete the total hour requirement as specified by the degree.
- complete the teacher certification requirements (if applicable).

EACH STUDENT MUST ASSUME RESPONSIBILITY FOR KNOWING THE ACADEMIC REQUIREMENTS FOR THE DEGREE THAT IS BEING PURSUED.

2. **GENERAL EDUCATION REQUIREMENTS:**

Area I.	Written Composition	6 semester hours	__	__
Area II.	Humanities/Fine Arts (12 semester hours)			
	At least one fine arts course	3 semester hours	__	
	At least one literature course	3 semester hours	__	
	Other Humanities/Fine Arts courses	6 semester hours	__	__
Area III.	Mathematics and Natural Sciences (11 semester hours)			
	Precalculus Algebra or higher	3 semester hours	__	
	Natural Sciences (lab based)	8 semester hours	__	__
Area IV.	History/Behavioral and Social Sciences (12 semester hours)			
	At least one history course	3 semester hours	__	
	Economics (ECO 231 Principles of Economics) required	3 semester hours	__	
	Other History/Behavioral or Social Science courses	6 semester hours	__	__
<u>TOTAL GENERAL EDUCATION REQUIREMENTS</u>		41 SEMESTER HOURS		

3.	MAJOR PREREQUISITE COURSES (PRE-PROFESSIONAL)	
	Business Calculus	3 semester hours ___
	Principles of Accounting	3 semester hours ___
	Statistical Methods of Business I	3 semester hours ___
	Microcomputer Applications	3 semester hours ___
	Introduction to Programming/Logic	3 semester hours ___
	Computer Programming Courses (any language)	6 semester hours ___ ___
	General electives	2 semester hours ___
	TOTAL MAJOR PREREQUISITE HOURS:	23 SEMESTER HOURS
	TOTAL GEN. ED. REQ. & MAJOR PREREQUISITE HOURS:	64 SEMESTER HOURS

4.	PROFESSIONAL COURSES:	
	MG 350 Financial Management	3 semester hours ___
	MG 346 Principles of Management and Leadership	3 semester hours ___
	MG 353 Project Management	3 semester hours ___
	MK 331 Marketing Principles	3 semester hours ___
	MA 308 Discrete Mathematics	3 semester hours ___
	CS 309 Digital Logic Design	3 semester hours ___
	CS 309LDigital Logic Design Lab	1 semester hour ___
	CS 317 Computer Science I (C++)	3 semester hours ___
	CS 318 Computer Science II (C++)	3 semester hours ___
	CIS 325 The Digital Enterprise	3 semester hours ___
	CIS 365 Visual Application Development	3 semester hours ___
	CS 372 Data Structures	3 semester hours ___
	CIS 440 Database Systems	3 semester hours ___
	CIS 450 Human-Computer Interaction	3 semester hours ___
	CS 451 Software Engineering	3 semester hours ___
	CS 452 Senior Software Engineering Project	3 semester hours ___
	CS 452L Senior Software Engineering Project Lab	1 semester hour ___
	Upper Level Computer Science Electives*	6 semester hours ___ ___

*Any computer science (CS), computer information systems (CIS), or computer networking (CN) course to be used as an upper level computer science elective must have prior approval of the student's Faculty Advisor.

TOTAL PROFESSIONAL HOURS **53 SEMESTER HOURS**

- 5. The Computer Information Systems major must complete a minimum of 24 semester hours of upper division 300/400 level coursework in computer science (CS), Computer Information Systems (CIS), or Computer Networking (CN) at ASU. At least 6 semester hours of CS, CIS, or CN electives must be completed at Athens State University.
- 6. A minor is **not** required.
- 7. **GENERAL ELECTIVES** **11 Semester Hours** ___ ___ ___
- 8. **TOTAL HOURS FOR GRADUATION** **124-128 SEMESTER HOURS**

9. **Pre-assessment and Exit Examination:**
 For a CS major to graduate from Athens State University, the Department of Computer Science requires all CS majors to complete an exit examination; however, the result of this examination is not a criterion for graduation.

Bachelor of Science - Computer Science Major
(Computer Networking Option)
MAJOR CODE: 11.0101C

Program components for the Bachelor of Science degree with a major in Computer Science - Computer Networking Option include:

1. **APPLICABLE GENERAL UNIVERSITY REQUIREMENTS.**

To graduate, each student must:

- complete a minimum of 33 semester hours of the last 39 semester hours at ASU.
- complete 60 to 64 semester hours of upper level college/university credit (300-400 level courses).
- complete a minimum of 15 semester hours of upper (300/400) level coursework in his or her major at Athens State University, not including courses taken by consortium arrangement. School or departmental regulations may require more than 15 semester hours of coursework in the major at Athens State University.
- complete all course requirements for major(s).
- complete all course requirements for minor (if applicable).
- complete all of the general education requirements for the degree.
- attain an overall grade point average of 2.0, a 2.0 on all coursework attempted at Athens State University and at least a 2.0 in the major field. School or departmental regulations may require more than a 2.0 grade point average (see major requirements in each discipline).
- complete the total hour requirement as specified by the degree.
- complete the teacher certification requirements (if applicable).

EACH STUDENT MUST ASSUME RESPONSIBILITY FOR KNOWING THE ACADEMIC REQUIREMENTS FOR THE DEGREE THAT IS BEING PURSUED.

2. **GENERAL EDUCATION REQUIREMENTS:**

Area I. Written Composition 6 semester hours ___ __

Area II. Humanities/Fine Arts (12 semester hours)

At least one fine arts course 3 semester hours ___

At least one literature course 3 semester hours ___

Other Humanities/Fine Arts courses 6 semester hours ___ __

Area III. Mathematics and Natural Sciences (11 semester hours)

Precalculus Algebra or

Precalculus Algebra and Trigonometry 3 semester hours ___

Natural Sciences (lab based) 8 semester hours ___ __

Area IV. History/Behavioral and Social Sciences (12 semester hours)

At least one history course 3 semester hours ___

Other History/Behavioral or Social Science courses 9 semester hours ___ __

TOTAL GENERAL EDUCATION REQUIREMENTS 41 SEMESTER HOURS

3. **MAJOR PREREQUISITE COURSES (PRE-PROFESSIONAL)**

*Precalculus Trigonometry	3 semester hours	___
Calculus I	4 semester hours	___
Calculus II	4 semester hours	___
Calculus III	4 semester hours	___
C++ (CS 317 Computer Science I)	3 semester hours	___
Introduction to Programming/Logic	3 semester hours	___
General Electives	0-5 semester hours	___

*If Precalculus Algebra (3 semester hours) is completed to satisfy the Area III mathematics requirement, the student should complete Precalculus Trigonometry (3 semester hours) in addition to Precalculus Algebra. Completion of Precalculus Algebra and Trigonometry (4 semester hours) will satisfy both the Area III mathematics requirement and the Area V requirement for trigonometry.

TOTAL MAJOR PREREQUISITE HOURS: 19-23 SEMESTER HOURS

TOTAL GEN. ED. REQ. & MAJOR PREREQUISITE HOURS: 60-64 SEMESTER HOURS

4. **PROFESSIONAL COURSES:**

MA 308 Discrete Mathematics	3 semester hours	___
MA 310 Linear Algebra	3 semester hours	___
MA 331 Theory of Statistics and Probability	3 semester hours	___
CS 309 Introduction to Digital Logic Design	3 semester hours	___
CS 318 Computer Science II	3 semester hours	___
CS 340 Introduction to Assembly Language	3 semester hours	___
CS 372 Data Structures	3 semester hours	___
CS 409 Computer Organization and Architecture	3 semester hours	___
CS 415 Operating Systems	3 semester hours	___
CS 451 Software Engineering	3 semester hours	___
CS 452/ CS 452L Senior Software Engineering Project	4 semester hours	___
CN 301 Network Fundamentals	2 semester hours	___
CN 302 Local Area Networks	2 semester hours	___
CN 303 Wide Area Networks	2 semester hours	___
CN 304 Network Architectures	2 semester hours	___
CN 401 Internetworking Devices	2 semester hours	___
CN 402 The Internet	2 semester hours	___
CN 403 Network Processes and Protocols	2 semester hours	___
CN 404 Enterprise Network Design	2 semester hours	___
Math or CS/CIS/CN elective (approved by Advisor)	3 semester hours	___
CS/CIS/CN elective (approved by Advisor)	3 semester hours	___

TOTAL PROFESSIONAL HOURS: 56 SEMESTER HOURS

5. **The Computer Networking major must complete a minimum of 19 semester hours of upper division 300/400 level coursework in Computer Science (CS), Computer Information Systems (CIS), or Computer Networking (CN) at Athens State University. At least 6 semester hours of CS, CIS, CN or Math electives must be completed at Athens State University.**

6. A minor is not required.

7. **GENERAL ELECTIVES 8 SEMESTER HOURS**

8. **TOTAL HOURS FOR GRADUATION: 124-128 SEMESTER HOURS**

9. **PRE-ASSESSMENT AND EXIT EXAMINATIONS:**

For a CS major to graduate from Athens State University, the Department of Computer Science requires all CS majors to complete an exit examination; however, the result of this examination is not a criterion for graduation.

ENGLISH (EH)

The bachelors degree in English aspires to foster life-long learning through expanding literacy and opportunities and an ever-widening understanding of ideas, people, cultures, and histories that shape humanity. The program emphasizes the varied language arts, particularly drama, literature, speech, and writing, and promotes critical reading of literature from a wide range of diverse authors and genres, as well as through analytic and creative writing. Through rigorous coursework, English majors develop their abilities to think clearly, reach well-reasoned decisions, improve self-esteem, and take active and responsible roles in their communities. Program graduates have the skills and competencies to pursue further studies, teach English/Language Arts at the secondary school level, or enter a wide range of career fields.

Bachelor of Arts - English Major **MAJOR CODE: 23.0101**

Program components for the Bachelor of Arts degree with a major in English include:

1. **APPLICABLE GENERAL UNIVERSITY REQUIREMENTS:**

To graduate, each student must:

- complete a minimum of 33 semester hours of the last 39 semester hours at ASU.
- complete 60 to 64 semester hours of upper level college/university credit (300-400 level courses).
- complete a minimum of 15 semester hours of upper (300/400) level coursework in his or her major at Athens State University, not including courses taken by consortium arrangement. School or departmental regulations may require more than 15 semester hours of coursework in the major at Athens State University.
- complete all course requirements for major(s).
- complete all course requirements for minor (if applicable).
- complete all of the general education requirements for the degree.
- attain an overall grade point average of 2.0, a 2.0 on all coursework attempted at Athens State University and at least a 2.0 in the major field. School or departmental regulations may require more than a 2.0 grade point average (see major requirements in each discipline).
- complete the total hour requirement as specified by the degree.
- complete the teacher certification requirements (if applicable).

EACH STUDENT MUST ASSUME RESPONSIBILITY FOR KNOWING THE ACADEMIC REQUIREMENTS FOR THE DEGREE THAT IS BEING PURSUED.

2. **GENERAL EDUCATION REQUIREMENTS:**

Area I. Written Composition 6 semester hours ___ ___

Area II. Humanities/Fine Arts (12 semester hours)

At least one fine arts course 3 semester hours ___

At least one literature course 3 semester hours ___

Other Humanities/Fine Arts courses 6 semester hours ___ ___

Area III. Mathematics and Natural Sciences (11 semester hours)

Finite Math or its equivalent required 3 semester hours ___

Natural Sciences (lab based) required 8 semester hours ___ ___

Area IV. History/Behavioral and Social Sciences (12 semester hours)

At least one history course 3 semester hours ___

Other History/Behavioral or Social Science courses 9 semester hours ___ ___ ___

TOTAL GENERAL EDUCATION REQUIREMENTS **41 SEMESTER HOURS**

3. **MAJOR PREREQUISITE COURSES (PRE-PROFESSIONAL)**
 General Education Electives 12 semester hours ___ ___ ___ ___
 CIS 146 Microcomputer Applications_or
 CIS 301 Problem Solving with Computers 3 semester hours ___
 General electives 8 semester hours ___ ___ ___

TOTAL MAJOR PREREQUISITE COURSES 19-23 SEMESTER HOURS

TOTAL GEN. ED. REQ. & MAJOR PREREQUISITE HOURS: 60-64 SEMESTER HOURS

4. **PROFESSIONAL COURSES:**
 EH 312 Dramatic Literature 3 semester hours ___
 EH 325 Myth: Ritual and Culture 3 semester hours ___
 EH 414 History of the English Language 3 semester hours ___
 EH 431 Poetry and Poetics 3 semester hours ___
 EH 425 Shakespeare: The Sonnets and the Plays 3 semester hours ___
 EH 433 Fiction 3 semester hours ___
 EH 452 Chaucer and Medieval Literature 3 semester hours ___
 EH 469 English Capstone Seminar (must be taken during semester in which
 student graduates) 1 semester hour ___
 Electives in English 18 semester hours ___ ___ ___ ___

Choose from the following courses:

- EH 304 Southern Literature
- EH 307 Major Authors I
- EH 308 Major Authors II
- EH 314 Nineteenth Century British Studies
- EH 316 American Masterpieces
- EH 330 Literary and Critical Theory
- EH 400 Creative Writing
- EH/RE 416 Interpreting the Text
- EH 440 African-American Studies
- EH 450 Renaissance Literature 1550-1680
- EH 451 Restoration/Eighteenth Century
- EH 454 Young Adult Literature

TOTAL PROFESSIONAL HOURS: 40 SEMESTER HOURS

5. A minor is required. **18 Semester Hours**
6. All B.A. English majors must take an exit exam, which will be administered in EH 469 English Capstone Seminar.
7. **GENERAL ELECTIVES 6 Semester Hours ___ ___**
8. **TOTAL HOURS FOR GRADUATION: 124-128 SEMESTER HOURS**

The following minors can be obtained in the area of English:

- English
- Drama

Course requirements for these minors can be found at the end of the College of Arts and Sciences section of the catalog.

Bachelor of Arts - English Major
(Licensure and Certification Track for Teaching in Secondary Education) (Grades 6-12)
MAJOR CODE: 23.0101

(Due to the No Child Left Behind Federal Act of 2001, the program listed below may have changed. See your advisor.)

NOTE: To teach in secondary schools, the students MUST:

- 1) complete the below listed requirements to include the minor for certification and licensure;
- 2) contact the certification officer in the College of Education for approval of appropriate professional education courses and compliance with NCLB Federal Act of 2001 and State Department of Education licensure standards;
- 3) maintain a grade point average of at least a 2.5 on a 4.0 scale in the teaching field and overall education. A 2.75 is required in the professional studies. This is a requirement for student teaching and for graduation.
- 4) repeat courses in which D's and F's are made and realize that all attempts are calculated in the GPA. Education courses with the prefixes ED, EL, ER, SC, SE, CE, and HPE may be repeated one time only.
- 5) understand that underlined courses in the minor require admission into the Teacher Education Program (TEP); and
- 6) complete the 18 semester hours in Literature sequences as required by the degree before being admitted to the Teacher Education Program.

1. APPLICABLE GENERAL UNIVERSITY REQUIREMENTS:

To graduate, each student must:

- complete a minimum of 33 semester hours of the last 39 semester hours at ASU.
- complete 60 to 64 semester hours of upper level college/university credit (300-400 level courses).
- complete a minimum of 15 semester hours of upper (300/400) level coursework in his or her major at Athens State University, not including courses taken by consortium arrangement. School or departmental regulations may require more than 15 semester hours of coursework in the major at Athens State University.
- complete all course requirements for major(s).
- complete all course requirements for minor (if applicable).
- complete all of the general education requirements for the degree.
- complete the total hour requirement as specified by the degree.
- complete the teacher certification requirements (if applicable).

EACH STUDENT MUST ASSUME RESPONSIBILITY FOR KNOWING THE ACADEMIC REQUIREMENTS FOR THE DEGREE THAT IS BEING PURSUED. PLEASE FOLLOW CAREFULLY.

2. GENERAL EDUCATION REQUIREMENTS:

Area I.	Written Composition	6 semester hours	___
Area II.	Humanities and Fine Arts (12 semester hours)		
	ENG 261 English Literature I	3 semester hours	___
	ENG 262 English Literature II	3 semester hours	___
	SPH 106 Fundamentals of Speech Communication <u>or</u>		
	SPH 107 Fundamentals of Public Speaking	3 semester hours	___
	THR120 Theatre Appreciation <u>or</u>		
	THR 126 Introduction to Theatre	3 semester hours	___
Area III.	Natural Sciences and Mathematics (11 semester hours)		
	Finite Math or its equivalent required	3 semester hours	___
	Natural Sciences (lab based required)	8 semester hours	___
Area IV.	History, Social and Behavioral Sciences (12 semester hours)		
	General Psychology	3 semester hours	___
	Social and Behavioral Sciences	6 semester hours	___
	History	3 semester hours	___

TOTAL GENERAL EDUCATION REQUIREMENTS: 41 SEMESTER HOURS

3. **MAJOR PREREQUISITE COURSES (PRE-PROFESSIONAL):**
- | | | |
|--------------------------------------|------------------|-------------|
| ENG 251 American Literature I | 3 semester hours | ___ |
| ENG 252 American Literature II | 3 semester hours | ___ |
| ENG 271 World Literature I | 3 semester hours | ___ |
| ENG 272 World Literature II | 3 semester hours | ___ |
| General Electives | 9 semester hours | ___ ___ ___ |

TOTAL MAJOR PREREQUISITE HOURS: 21 SEMESTER HOURS

TOTAL GEN. ED. REQ. AND MAJOR PREREQUISITE HOURS: 62 SEMESTER HOURS

4. **PROFESSIONAL COURSES:**
- | | | |
|--|------------------|-----|
| EH 303 Journalism | 3 semester hours | ___ |
| EH 311 Drama Production | 3 semester hours | ___ |
| EH 312 Dramatic Literature | 3 semester hours | ___ |
| EH 320 Grammar for Teachers | 3 semester hours | ___ |
| EH 325 Myth: Ritual and Culture or EH 454 Young Adult Literature | 3 semester hours | ___ |
| EH 401 Speech: Conflict Management | 3 semester hours | ___ |
| EH 414 History of the English Language | 3 semester hours | ___ |
| EH 425 Shakespeare | 3 semester hours | ___ |
| EH 431 Poetry and Poetics | 3 semester hours | ___ |
| EH 433 Fiction or EH 316 American Masterpieces | 3 semester hours | ___ |
| EH 452 Chaucer and Medieval Literature | 3 semester hours | ___ |

TOTAL PROFESSIONAL HOURS: 33 SEMESTER HOURS

5. **MINOR COURSES FOR CERTIFICATION IN ENGLISH/LANGUAGE ARTS:**
- | | | |
|--|------------------|-------------|
| ED 301 Foundations of Education I | 3 semester hours | ___ |
| ED 302 Foundations of Education II | 3 semester hours | ___ |
| ED 305 Technology & Media in Education | 3 semester hours | ___ |
| SC 331 Classroom Management in Secondary Education | 3 semester hours | ___ |
| SC 333 <u>Teaching Reading/Writing in the Content Areas</u> | 3 semester hours | ___ |
| SC 362 <u>Assessment and Evaluation in Secondary Education</u> | 3 semester hours | ___ |
| SE 301 <u>Introduction to Exceptional Learners</u> | 3 semester hours | ___ |
| EH 457 <u>Materials and Methods of Teaching English/Language Arts in Middle ...
School/High School</u> | 3 semester hours | ___ |
| PS 334 Adolescent Psychology | 3 semester hours | ___ |
| SC 486 <u>Internship in High School Education</u> | 9 semester hours | ___ ___ ___ |

TOTAL MINOR REQ. FOR LICENSURE/CERTIFICATION: 36 SEMESTER HOURS

TOTAL HOURS FOR GRADUATION 131 SEMESTER HOURS

GENERAL SCIENCE (GS)

The Bachelor of Science degree in General Science and the Bachelor of Science degree in General Science with Teacher Licensure (6-12) prepares students for research and technical areas requiring a baccalaureate degree, and also satisfies some graduate and/or professional school admissions requirements. The objective of the major is to provide the graduate with a comprehensive science education, encompassing standard academic courses in biology, chemistry, mathematics, physics, and earth and space sciences. Courses and programs are structured to provide basic coursework applicable to (1) careers requiring a general preparation in science, (2) graduate and professional programs requiring a multidisciplinary science background, such as medicine, forensics, pharmacy, or law, and (3) secondary school teaching.

Bachelor of Science - General Science Major

MAJOR CODE: 30.1801

1. APPLICABLE GENERAL UNIVERSITY REQUIREMENTS:

To graduate, each student must:

- complete a minimum of 33 semester hours of the last 39 semester hours at ASU.
- complete 60 to 64 semester hours of upper level college/university credit (300-400 level courses).
- complete a minimum of 15 semester hours of upper (300/400) level coursework in his or her major at Athens State University, not including courses taken by consortium arrangement. School or departmental regulations may require more than 15 semester hours of coursework in the major at Athens State University.
- complete all course requirements for major(s).
- complete all course requirements for minor (if applicable).
- complete all of the general education requirements for the degree.
- attain an overall grade point average of 2.0, a 2.0 on all coursework attempted at Athens State University and at least a 2.0 in the major field. School or departmental regulations may require more than a 2.0 grade point average (see major requirements in each discipline).
- complete the total hour requirement as specified by the degree.
- complete the teacher certification requirements (if applicable).

EACH STUDENT MUST ASSUME RESPONSIBILITY FOR KNOWING THE ACADEMIC REQUIREMENTS FOR THE DEGREE THAT IS BEING PURSUED.

2. GENERAL EDUCATION REQUIREMENTS:

Area I. Written Composition 6 semester hours ___ ___

Area II. Humanities and Fine Arts (12 semester hours)

At least one fine arts course 3 semester hours ___

At least one literature course 3 semester hours ___

Other Humanities/Fine Arts Elective 6 semester hours ___ ___

Area III. Natural Sciences and Mathematics (12 semester hours)

Calculus I* 4 semester hours ___

Biology I and II 8 semester hours ___ ___

***Prerequisites: Precalculus Algebra and Precalculus Trigonometry**

Area IV. History/Behavioral and Social Sciences (12 semester hours)

At least one History course 3 semester hours ___

Other History/Behavioral Science or Social Science Electives 9 semester hours ___ ___ ___

TOTAL GENERAL EDUCATION REQUIREMENTS: 42 SEMESTER HOURS

3. MAJOR PREREQUISITE COURSES (PRE-PROFESSIONAL)

Calculus II	4 semester hours	___
Calculus III	4 semester hours	___
General Chemistry I	4 semester hours	___
General Chemistry II	4 semester hours	___
General Physics I (Calculus based)	4 semester hours	___
General Physics II (Calculus based)	4 semester hours	___
CIS 146 Microcomputer Applications	3 semester hours	___

TOTAL MAJOR PREREQUISITE HOURS: 27 SEMESTER HOURS

TOTAL GEN. ED. REQ. AND MAJOR PREREQUISITE HOURS: 69 SEMESTER HOURS

4. PROFESSIONAL COURSES:

MA 421 Differential Equations	3 semester hours	___
CH 305/CH 305L Fundamentals of Organic Chemistry	3 semester hours	___
CH 324 /CH 324L Analytical Chemistry	4 semester hours	___
BI 301/BI 301L Cell Structure and Function	4 semester hours	___
BI 303/BI 303L General Ecology	4 semester hours	___
PY 303/PY 303L Calculus Physics III (Modern Physics)	4 semester hours	___
PY 309 Mechanics I <u>or</u> PY 312 Electricity and Magnetism I <u>or</u> PY 344 Principles of Optics	3-4 semester hours	___
GS 300/GS 300L Introduction to Astronomy	4 semester hours	___
GS 301/GS 301L Atmospheric Science	4 semester hours	___
GS 302/GS 302L Earth Science	4 semester hours	___
GS 490 Senior Seminar in General Science	1 semester hour	___

TOTAL PROFESSIONAL HOURS: 38-39 SEMESTER HOURS

5. General Electives 20-21 semester hours

Students who are pursuing multidisciplinary science-based careers or who plan to continue their education in medical school, law school, or graduate school are advised to fulfill their general elective requirements with additional science courses which may be needed for employment or required for admission into professional school programs.

TOTAL HOURS FOR GRADUATION: 127-129 SEMESTER HOURS

Bachelor of Science - General Science Major
(Licensure and Certification Track for Teaching in Secondary Education) (Grades 6-12)
MAJOR CODE: 30.1801

(Due to the No Child Left Behind Federal Act of 2001, the program listed below may have changed. See your advisor.)

NOTE: To teach in secondary schools, the students MUST:

- 1) complete the below listed requirements to include the minor for certification and licensure;
- 2) contact the certification officer in the College of Education for approval of appropriate professional education courses and compliance with NCLB Federal Act of 2001 and State Department of Education licensure standards;
- 3) maintain a grade point average of at least a 2.5 on a 4.0 scale in the teaching field and overall education. A 2.75 is required in the professional studies. This is a requirement for student teaching and for graduation.
- 4) repeat courses in which D's and F's are made and realize that all attempts are calculated in the GPA. Education courses with the prefixes ED, EL, ER, SC, SE, CE, and HPE may be repeated one time only; and
- 5) understand that underlined courses in the minor require admission into the Teacher Education Program (TEP).

1. APPLICABLE GENERAL UNIVERSITY REQUIREMENTS:

To graduate, each student must:

- complete a minimum of 33 semester hours of the last 39 semester hours at ASU.
- complete 60 to 64 semester hours of upper level college/university credit (300-400 level courses).
- complete a minimum of 15 semester hours of upper (300/400) level coursework in his or her major at Athens State University, not including courses taken by consortium arrangement. School or departmental regulations may require more than 15 semester hours of coursework in the major at Athens State University.
- complete all course requirements for major(s).
- complete all course requirements for minor (if applicable).
- complete all of the general education requirements for the degree.
- complete the total hour requirement as specified by the degree.
- complete the teacher certification requirements (if applicable).

EACH STUDENT MUST ASSUME RESPONSIBILITY FOR KNOWING THE ACADEMIC REQUIREMENTS FOR THE DEGREE THAT IS BEING PURSUED. PLEASE FOLLOW CAREFULLY.

2. GENERAL EDUCATION REQUIREMENTS:

Area I.	Written Composition	6 semester hours	__ __
Area II.	Humanities and Fine Arts (12 semester hours)		
	Fine Arts	3 semester hours	__
	Speech (SPH 106 or SPH 107)	3 semester hours	__
	Humanities Elective	3 semester hours	__
	Literature*	3 semester hours	__ <u>or</u> 6 semester hours
			__ __
Area III.	Natural Sciences and Mathematics (12 semester hours)		
	Calculus I**	4 semester hours	__
	Biology I and II	8 semester hours	__ __
Area IV.	History/Behavioral and Social Sciences (12 semester hours)		
	History *	3 semester hours	__ <u>or</u> 6 semester hours
	General Psychology	3 semester hours	__
	Behavioral Science <u>or</u> Social Science Elective	3 semester hours	__

***Students must complete a 6 semester hour sequence in either Area II Literature or Area IV History.**

****Prerequisites: Precalculus Algebra and Precalculus Trigonometry**

TOTAL GENERAL EDUCATION REQUIREMENTS: 42 SEMESTER HOURS

3.	MAJOR PREREQUISITE COURSES (PRE-PROFESSIONAL)	
	Calculus II	4 semester hours ___
	Calculus III	4 semester hours ___
	General Chemistry I	4 semester hours ___
	General Chemistry II	4 semester hours ___
	General Physics I (Calculus based)	4 semester hours ___
	General Physics II (Calculus based)	4 semester hours ___
	TOTAL MAJOR PREREQUISITE COURSES:	24 SEMESTER HOURS
	TOTAL GEN. ED. REQ. AND MAJOR PREREQUISITE HOURS:	66 SEMESTER HOURS
4.	PROFESSIONAL COURSES:	
	MA 421 Differential Equations	3 semester hours ___
	CH 305/CH 305L Fundamentals of Organic Chemistry	3 semester hours ___
	CH 324/CH 324L Analytical Chemistry	4 semester hours ___
	BI 301/BI 301L Cell Structure and Function	4 semester hours ___
	BI 303/BI 303L General Ecology	4 semester hours ___
	PY 303/PY 303L Calculus Physics III (Modern Physics)	4 semester hours ___
	PY 309 Mechanics I <u>or</u> PY 312 Electricity and Magnetism I <u>or</u> PY 344 Principles of Optics	3-4 semester hours ___
	GS 300/GS 300L Introduction to Astronomy	4 semester hours ___
	GS 301/GS 301L Atmospheric Science	4 semester hours ___
	GS 302/GS 302L Earth Science	4 semester hours ___
	GS 490 Senior Seminar in General Science	1 semester hour ___
	TOTAL PROFESSIONAL HOURS:	38-39 SEMESTER HOURS
5.	MINOR COURSES FOR CERTIFICATION:	
	ED 301 Foundations of Education I	3 semester hours ___
	ED 302 Foundations of Education II	3 semester hours ___
	ED 305 Technology & Media in Education	3 semester hours ___
	SC 331 Classroom Management in Secondary Education	3 semester hours ___
	SC 333 <u>Teaching Reading/Writing in the Content Areas</u>	3 semester hours ___
	PS 334 Adolescent Psychology	3 semester hours ___
	SE 301 <u>Introduction to Exceptional Learners</u>	3 semester hours ___
	SC 362 <u>Assessment and Evaluation in Secondary Education</u>	3 semester hours ___
	GS 456 <u>Materials and Methods of Teaching General Science in Middle School/High School</u>	3 semester hours ___
	SC 486 <u>Internship in High School Education</u>	9 semester hours ___ ___ ___
	TOTAL MINOR REQ. FOR LICENSURE/CERTIFICATION:	36 SEMESTER HOURS
	TOTAL HOURS FOR GRADUATION	139-140 SEMESTER HOURS

HEALTH SCIENCE (HS)

The Health Science program culminates in a baccalaureate degree for nursing professionals or for students certified in allied health fields, including, but not limited to dental hygiene, medical records, medical technology, health physics or animal health technology. Program graduates will possess the skills and competencies necessary to analyze core elements of health care policies and develop effective strategies to ensure that quality health care is provided.

Bachelor of Science - Health Science Major MAJOR CODE: 51.9999

Program components for the Bachelor of Science degree with a major in Health Science include:

1. **APPLICABLE GENERAL UNIVERSITY REQUIREMENTS:**

To graduate, each student must:

- complete a minimum of 33 semester hours of the last 39 semester hours at ASU.
- complete 60 to 64 semester hours of upper level college/university credit (300-400 level courses).
- complete a minimum of 15 semester hours of upper (300/400) level coursework in his or her major at Athens State University, not including courses taken by consortium arrangement. School or departmental regulations may require more than 15 semester hours of coursework in the major at Athens State University.
- complete all course requirements for major(s).
- complete all course requirements for minor (if applicable).
- complete all of the general education requirements for the degree.
- attain an overall grade point average of 2.0, a 2.0 on all coursework attempted at Athens State University and at least a 2.0 in the major field. School or departmental regulations may require more than a 2.0 grade point average (see major requirements in each discipline).
- complete the total hour requirement as specified by the degree.
- complete the teacher certification requirements (if applicable).

EACH STUDENT MUST ASSUME RESPONSIBILITY FOR KNOWING THE ACADEMIC REQUIREMENTS FOR THE DEGREE THAT IS BEING PURSUED.

2. **GENERAL EDUCATION REQUIREMENTS:**

Area I. Written Composition 6 semester hours ___ __

Area II. Humanities/Fine Arts (12 semester hours)

At least one fine arts course 3 semester hours ___

At least one literature course 3 semester hours ___

Other Humanities/Fine Arts courses 6 semester hours ___ __

Area III. Mathematics and Natural Sciences (11 semester hours)

Precalculus Algebra or higher 3 semester hours ___

Natural Sciences (lab based) required 8 semester hours ___ __

Area IV. History/Behavioral and Social Sciences (12 semester hours)

At least one history course 3 semester hours ___

Other History/Behavioral or Social Science courses 9 semester hours ___ __ __

TOTAL GENERAL EDUCATION REQUIREMENTS **41 SEMESTER HOURS**

3. **MAJOR PREREQUISITE COURSES (PRE-PROFESSIONAL)**
 CIS 146 Microcomputer Applications or
 CS 301 Problem Solving With Computers 3 semester hours ___
 Biology, Chemistry, and/or Physics 16 semester hours ___ ___ ___
 General Electives 4 semester hours ___ ___
TOTAL MAJOR PREREQUISITE HOURS: 19-23 SEMESTER HOURS

TOTAL GEN. ED. REQ. & MAJOR PREREQUISITE HOURS: 60-64 SEMESTER HOURS

4. **PROFESSIONAL COURSES:**

The Health Science major culminates in a baccalaureate degree for nursing professionals, or for students who are certified in a para-medical field such as, but not limited to, dental hygiene, medical records, medical technology, health physics, or animal health technology. Professional course requirements are to be satisfied by successfully completing Major Prerequisite courses and the eleven-course professional core. Students interested in premedical professions and biomedical sciences are encouraged to take elective courses in the areas of biology, chemistry, and/or physics.

HCM 340 Introduction to Health Care Systems 3 semester hours ___
 HCM 345 Management of Health Care Organizations 3 semester hours ___
 HCM 355 Survey of Issues in Health Care Management 3 semester hours ___
 HPE 320 Nutrition 3 semester hours ___
 HS 320 Biomedical Ethics 3 semester hours ___
 HS 400 Public Safety and Health Education 3 semester hours ___
 HS 447 Public Health Concepts and Systems 3 semester hours ___
 HS 450 Introduction to Epidemiology 3 semester hours ___
 HS 451 Environmental Health and Safety Systems 3 semester hours ___
 PO 355 Health Policy in the United States 3 semester hours ___
 PSHA 401 Measurement and Evaluation 3 semester hours ___
 PSHA 465 Senior Research Project 4 semester hours ___

TOTAL PROFESSIONAL HOURS: 37 SEMESTER HOURS

5. A minor is not required.

6. **GENERAL ELECTIVES 27 Semester Hours** ___ ___ ___ ___
 ___ ___ ___ ___
 ___ ___

7. **TOTAL HOURS FOR GRADUATION 128 SEMESTER HOURS**

HEALTH AND WELLNESS MANAGEMENT (HWM)

The Bachelor of Science degree in Health and Wellness Management provides students with a strong foundation on the basic biomechanical and physiological principles associated with human movement and the basic wellness concepts conducive to healthy lifestyles. Program graduates will have the skills and competencies necessary to pursue graduate studies, gain employment in a variety of health, fitness, sports medicine, and public safety career fields, or teach health at the secondary school level.

Bachelor of Science - Health and Wellness Management Major

MAJOR CODE: 31.0504

Program components for the Bachelor of Science degree with a major in Health and Wellness Management include:

1. **APPLICABLE GENERAL UNIVERSITY REQUIREMENTS:**

To graduate, each student must:

- complete a minimum of 33 semester hours of the last 39 semester hours at ASU.
- complete 60 to 64 semester hours of upper level college/university credit (300-400 level courses).
- complete a minimum of 15 semester hours of upper (300/400) level coursework in his or her major at Athens State University, not including courses taken by consortium arrangement. School or departmental regulations may require more than 15 semester hours of coursework in the major at Athens State University.
- complete all course requirements for major(s).
- complete all course requirements for minor (if applicable).
- complete all of the general education requirements for the degree.
- attain an overall grade point average of 2.0, a 2.0 on all coursework attempted at Athens State University and at least a 2.0 in the major field. School or departmental regulations may require more than a 2.0 grade point average (see major requirements in each discipline).
- complete the total hour requirement as specified by the degree.
- complete the teacher certification requirements (if applicable).

EACH STUDENT MUST ASSUME RESPONSIBILITY FOR KNOWING THE ACADEMIC REQUIREMENTS FOR THE DEGREE THAT IS BEING PURSUED.

2. **GENERAL EDUCATION REQUIREMENTS:**

Area I. Written Composition 6 semester hours ___ ___

Area II. Humanities and Fine Arts (12 semester hours)

The Arts 3 semester hours ___
Speech (SPH 106 or SPH 107) 3 semester hours ___
Literature* 3 semester hours ___ or 6 semester hours ___ ___
Humanities/Fine Arts Elective 3 semester hours ___

Area III. Natural Sciences and Mathematics (11 semester hours)

Finite Math or higher 3 semester hours ___
Natural sciences (lab based required) 8 semester hours ___ ___

Area IV. History, Social and Behavioral Sciences (12 semester hours)

History* 3 semester hours ___ or 6 semester hours ___ ___
General Psychology 3 semester hours ___
Behavioral Science or Social Science Elective 3 semester hours ___

***Students must complete a 6 semester hour sequence in either Area II Literature or in Area IV History.**

TOTAL GENERAL EDUCATION REQUIREMENTS 41 SEMESTER HOURS

3. MAJOR PREREQUISITE COURSES (PRE-PROFESSIONAL):

Foundations of Physical Education or	
HPE 326 History and Principles of Physical Education	3 semester hours ____
Personal or Community Health	3 semester hours ____
Safety & First Aid or HPE 323 Aquatics and Advanced Lifesaving	3 semester hours ____
Anatomy and Physiology	4 semester hours ____
CIS 146 Microcomputer Applications or	
CIS 301 Problem Solving with Computers	3 semester hours ____
Treatment of Athletic Injuries or	
HPE 333 Care and Prevention of Athletic Injuries	3 semester hours ____
General Electives	3 semester hours ____
TOTAL MAJOR PREREQUISITE COURSES:	22 SEMESTER HOURS

TOTAL GEN. ED. REQ. AND MAJOR PREREQUISITE HOURS: 60-64 SEMESTER HOURS

4. PROFESSIONAL COURSES:

GS 320/320L or HPE 320 Nutrition	4 semester hours ____
HPE 325 Kinesiology	3 semester hours ____
HPE 327 Physiology of Exercise	3 semester hours ____
HPE 355 Health Related Fitness and Nutrition	3 semester hours ____
HPE 356 Health Promotions	3 semester hours ____
HS 450 Introduction to Epidemiology	3 semester hours ____
HS 451 Environmental Health and Safety Systems	3 semester hours ____
MG 349 Human Resources Management	3 semester hours ____
PSHA 354 Contemporary Health and Physical Education Activities	3 semester hours ____
PSHA 401 Measurement and Evaluation	3 semester hours ____
PSHA 447 Public Health Concepts and Systems	3 semester hours ____
PSHA 465 Senior Research Project	4 semester hours ____
TOTAL PROFESSIONAL HOURS:	38 SEMESTER HOURS

5. GENERALELECTIVES 26 Semester Hours

____ _
____ _

TOTAL HOURS FOR GRADUATION: 124-128 SEMESTER HOURS

Bachelor of Science - Health and Wellness Management Major
(Licensure and Certification Track for Teaching in Secondary Education) (Grades 6-12)
MAJOR CODE: 31.0504

(Due to the No Child Left Behind Federal Act of 2001, the program listed below may have changed. See your advisor.)

NOTE: To teach in secondary schools, the students MUST:

- 1) complete the below listed requirements to include the minor for certification and licensure;
- 2) contact the certification officer in the College of Education for approval of appropriate professional education courses and compliance with NCLB Federal Act of 2001 and State Department of Education licensure standards;
- 3) maintain a grade point average of at least a 2.5 on a 4.0 scale in the teaching field and overall education. A 2.75 is required in the professional studies. This is a requirement for student teaching and for graduation.
- 4) repeat courses in which D's and F's are made and realize that all attempts are calculated in the GPA. Education courses with the prefixes ED, EL, ER, SC, SE, CE, and HPE may be repeated one time only.
- 5) understand that underlined courses in the minor require admission into the Teacher Education Program (TEP); and

1. APPLICABLE GENERAL UNIVERSITY REQUIREMENTS.

To graduate, each student must:

- complete a minimum of 33 semester hours of the last 39 semester hours at ASU.
- complete 60 to 64 semester hours of upper level college/university credit (300-400 level courses).
- complete a minimum of 15 semester hours of upper (300/400) level coursework in his or her major at Athens State University, not including courses taken by consortium arrangement. School or departmental regulations may require more than 15 semester hours of coursework in the major at Athens State University.
- complete all course requirements for major(s).
- complete all course requirements for minor (if applicable).
- complete all of the general education requirements for the degree.
- complete the total hour requirement as specified by the degree.
- complete the teacher certification requirements (if applicable).

2. GENERAL EDUCATION REQUIREMENTS:

Area I.	Written Composition	6 semester hours	___ ___
Area II.	Humanities and Fine Arts (12 semester hours)		
	The Arts	3 semester hours	___
	Speech (SPH 106 or SPH 107)	3 semester hours	___
	Literature	3 semester hours	___ ___
	Humanities/Fine Arts Elective	3 semester hours	___
Area III.	Natural Sciences and Mathematics (11 semester hours)		
	Finite Math or higher	3 semester hours	___
	Natural Sciences (lab based required)	4 semester hours	___
	Anatomy and Physiology or BI 361 Human Structure and Function ...	4 semester hours	___
Area IV.	History, Social and Behavioral Sciences (12 semester hours)		
	History	3 semester hours	___ ___
	Behavioral or Social Science Electives	6 semester hours	___ ___
	Human Growth and Development or PS 332 Child Psychology	3 semester hours	___

TOTAL GENERAL EDUCATION REQUIREMENTS 41 SEMESTER HOURS

- 3. MAJOR PREREQUISITE COURSES (PRE-PROFESSIONAL):**
 Foundations of Physical Education or
 HPE 326 History and Principles of Physical Education 3 semester hours ___
 Personal or Community Health 3 semester hours ___
 Safety & First Aid or HPE 323 Aquatics and Advanced Lifesaving 3 semester hours ___
 Treatment of Athletic Injuries or
 HPE 333 Care and Prevention of Athletic Injuries 3 semester hours ___
 Physical Education Activity (At least 3 different activity courses) 3 semester hours ___ ___ ___
 General Electives 4-8 semester hours ___ ___ ___

TOTAL MAJOR PREREQUISITE COURSES: 19-23 SEMESTER HOURS

TOTAL GEN. ED. REQ. AND MAJOR PREREQUISITE HOURS: 60-64 SEMESTER HOURS

- 4. PROFESSIONAL COURSES:**
 HPE 320 Nutrition 4 semester hours ___
 HPE 325 Kinesiology 3 semester hours ___
 HPE 354 Contemporary Health and Physical Education Activities 3 semester hours ___
 HPE 355 Health Related Fitness and Nutrition 3 semester hours ___
 HPE 450 Introduction to Epidemiology 3 semester hours ___
 HPE 465 Senior Research Project 4 semester hours ___

ELECTIVES:
 (Choose 12 semester hours of Advisor approved courses listed below) 12 semester hours

- HPE 327 Physiology of Exercise 3 semester hours ___
 HPE 356 Health Promotions 3 semester hours ___
 HPE 431 Motor Development and Physical Activities 3 semester hours ___
 PSHA 447 Public Health Concepts and Systems 3 semester hours ___
 PSHA 465 Senior Research Project 4 semester hours ___
 SE 325 Introduction to Learning and Emotional Disabilities 3 semester hours ___

- 5. PROFESSIONAL EDUCATION REQUIREMENTS:**
 ED 301 Foundations of Education I 3 semester hours ___
 ED 302 Foundations of Education II 3 semester hours ___
 ED 305 Technology & Media in Education 3 semester hours ___
 ED 322 Basic Principles of Teaching ELL Education 3 semester hours ___
 SE 301 Introduction to Exceptional Learner 3 semester hours ___
 SE 315 Introduction to Cognitive and Health Disability 3 semester hours ___
 SC 331 Classroom Management in Secondary Education 3 semester hours ___
 SC 333 Teaching Reading/Writing in the Content Area 3 semester hours ___
 HPE 401 Measurement and Evaluation 3 semester hours ___
 HPE 420 Teaching Health in the High School 3 semester hours ___
 HPE 490 Internship in Health Education 9 semester hours ___

TOTAL MINOR REQ. FOR LICENSURE/CERTIFICATION 39 SEMESTER HOURS
 (Courses underlined require admission to the Teacher Education Program.)

TOTAL PROFESSIONAL HOURS 32 SEMESTER HOURS

- 6. TOTAL HOURS FOR GRADUATION 131-135 SEMESTER HOURS**

HISTORY (HY)

The bachelors degree in History aims to develop in its students an appreciation of our cultural heritage and an understanding of the world in which we live. Through rigorous coursework, students acquire an understanding of the chief personalities, events, and historical forces that have shaped American history, European history, and various areas of the non-Western world. Program graduates have the skills and competencies to pursue graduate studies, gain employment in positions open to a liberal studies orientation, or teach history at the secondary school level.

Bachelor of Arts - History Major

MAJOR CODE: 54.0101

Program components for the Bachelor of Arts degree with a major in History include:

1. **APPLICABLE GENERAL UNIVERSITY REQUIREMENTS:**

To graduate, each student must:

- complete a minimum of 33 semester hours of the last 39 semester hours at ASU.
- complete 60 to 64 semester hours of upper level college/university credit (300-400 level courses).
- complete a minimum of 15 semester hours of upper (300/400) level coursework in his or her major at Athens State University, not including courses taken by consortium arrangement. School or departmental regulations may require more than 15 semester hours of coursework in the major at Athens State University.
- complete all course requirements for major(s).
- complete all course requirements for minor (if applicable).
- complete all of the general education requirements for the degree.
- attain an overall grade point average of 2.0, a 2.0 on all coursework attempted at Athens State University and at least a 2.0 in the major field. School or departmental regulations may require more than a 2.0 grade point average (see major requirements in each discipline).
- complete the total hour requirement as specified by the degree.
- complete the teacher certification requirements (if applicable).

EACH STUDENT MUST ASSUME RESPONSIBILITY FOR KNOWING THE ACADEMIC REQUIREMENTS FOR THE DEGREE THAT IS BEING PURSUED.

2. **GENERAL EDUCATION REQUIREMENTS:**

Area I. Written Composition	6 semester hours	___	___
Area II. Humanities/Fine Arts (12 semester hours)			
At least one fine arts course	3 semester hours	___	
At least one literature course	3 semester hours	___	
Other Humanities/Fine Arts courses	6 semester hours	___	___
Area III. Mathematics and Natural Sciences (11 semester hours)			
Finite Math or its equivalent required	3 semester hours	___	
Natural Sciences (lab based) required	8 semester hours	___	___
Area IV. History/Behavioral and Social Sciences (12 semester hours)			
At least one history course	3 semester hours	___	
Other History/Behavioral or Social Science courses	9 semester hours	___	___
<u>TOTAL GENERAL EDUCATION REQUIREMENTS</u>	41 SEMESTER HOURS		

3. **MAJOR PREREQUISITE COURSES (PRE-PROFESSIONAL)**

The history major should complete a 6 hour semester sequence in history (Western Civilization, World History, or United States History) in addition to satisfying the Area IV requirement.

(In addition to Area IV)	6 semester hours	___	___
Electives in History	6 semester hours	___	___
CIS 146 Microcomputer Applications <i>or</i> CIS 301 Problem Solving with Computers	3 semester hours	___	
Free Electives	9 semester hours	___	___

TOTAL MAJOR PREREQUISITE HOURS: 24 SEMESTER HOURS

TOTAL GEN. ED. REQ. & MAJOR PREREQUISITE HOURS: 65 SEMESTER HOURS

4. **PROFESSIONAL COURSES:**

300 and 400 level courses:

American History	12 semester hours	___	___	___	___
European History	12 semester hours	___	___	___	___
Non-Western History	6 semester hours	___	___		
HY 451 Senior History Seminar	3 semester hours	___			

TOTAL PROFESSIONAL HOURS: 33 SEMESTER HOURS

5. The student should realize that for graduate school a reading knowledge of one or two languages generally is required.

6. A minor is required. **18 semester hours**

7. **GENERAL ELECTIVES** **12 semester hours** ___ ___ ___ ___

8. **TOTAL HOURS FOR GRADUATION** **128 semester hours**

The following minor can be obtained in the area of History:

- **History**

Course requirements for this minor can be found at the end of the College of Arts and Sciences section of the catalog.

Bachelor of Arts - History Major
(Licensure and Certification Track for Teaching in Secondary Education) (Grades 6-12)
MAJOR CODE: 54.0101

(Due to the No Child Left Behind Federal Act of 2001, the program listed below may have changed. See your advisor.)

NOTE: To teach in secondary schools, the students MUST:

- 1) complete the below listed requirements to include the minor for certification and licensure;
- 2) contact the certification officer in the College of Education for approval of appropriate professional education courses and compliance with NCLB Federal Act of 2001 and State Department of Education licensure standards;
- 3) maintain a grade point average of at least a 2.5 on a 4.0 scale in the teaching field and overall education. A 2.75 is required in the professional studies. This is a requirement for student teaching and for graduation.
- 4) repeat courses in which D's and F's are made and realize that all attempts are calculated in the GPA. Education courses with the prefixes ED, EL, ER, SC, SE, CE, and HPE may be repeated one time only.
- 5) understand that underlined courses in the minor require admission into the Teacher Education Program (TEP); and
- 6) complete the 12 semester hours in History sequence as required by the degree before being admitted to the Teacher Education Program.

1. APPLICABLE GENERAL UNIVERSITY REQUIREMENTS.

To graduate, each student must:

- complete a minimum of 33 semester hours of the last 39 semester hours at ASU.
- complete 60 to 64 semester hours of upper level college/university credit (300-400 level courses).
- complete a minimum of 15 semester hours of upper (300/400) level coursework in his or her major at Athens State University, not including courses taken by consortium arrangement. School or departmental regulations may require more than 15 semester hours of coursework in the major at Athens State University.
- complete all course requirements for major(s).
- complete all course requirements for minor (if applicable).
- complete all of the general education requirements for the degree.
- complete the total hour requirement as specified by the degree.
- complete the teacher certification requirements (if applicable).

EACH STUDENT MUST ASSUME RESPONSIBILITY FOR KNOWING THE ACADEMIC REQUIREMENTS FOR THE DEGREE THAT IS BEING PURSUED. PLEASE FOLLOW CAREFULLY.

2. GENERAL EDUCATION REQUIREMENTS:

Area I.	Written Composition	6 semester hours	___ ___
Area II.	Humanities and Fine Arts (12 semester hours)		
	The Arts	3 semester hours	___
	Speech (SPH 106 or SPH 107)	3 semester hours	___
	Humanities/Fine Arts Elective	3 semester hours	___
	Literature	3 semester hours	___
Area III.	Natural Sciences and Mathematics (11 semester hours)		
	Finite Math or higher	3 semester hours	___
	Natural Sciences (lab based required)	8 semester hours	___ ___
Area IV.	History, Social and Behavioral Sciences (12 semester hours)		
	U.S History I and II	6 semester hours	___ ___
	General Psychology	3 semester hours	___
	Behavioral Science or Social Science Elective	3 semester hours	___

TOTAL GENERAL EDUCATION REQUIREMENTS: 41 SEMESTER HOURS

3. **MAJOR PREREQUISITE COURSES (PRE-PROFESSIONAL):**
 CIS 146 Microcomputer Applications or CIS 301 Problem Solving with Computers 3 semester hours ___
 History of Western Civilization I, II or World History I, II** 6 semester hours ___
 Free Electives 12 semester hours ___

**History of Western Civilization or World History must be taken as a sequence.

TOTAL MAJOR PREREQUISITE COURSE HOURS: 21 SEMESTER HOURS

TOTAL GEN. ED. REQUIREMENTS AND MAJOR PREREQUISITE HOURS: 62 SEMESTER HOURS

4. **PROFESSIONAL COURSES**
 American History 12 semester hours ___
 European History 12 semester hours ___
 Non-Western History (Neither American nor European) 6 semester hours ___
 HY 451 Senior History Seminar 3 semester hours ___

TOTAL PROFESSIONAL HOURS: 33 SEMESTER HOURS

5. **MINOR COURSES FOR CERTIFICATION:**
 ED 301 Foundations of Education I 3 semester hours ___
 ED 302 Foundations of Education II 3 semester hours ___
 ED 305 Technology & Media in Education 3 semester hours ___
 SC 331 Classroom Management in Secondary Education 3 semester hours ___
 SC 333 Teaching Reading/Writing in the Content Areas 3 semester hours ___
 SC 362 Assessment and Evaluation in Secondary Education 3 semester hours ___
 SE 301 Introduction to Exceptional Learners 3 semester hours ___
 PS 334 Adolescent Psychology 3 semester hours ___
 HY 302 Alabama History 3 semester hours ___
 HY 450 Materials and Methods of Teaching History in Middle School/High School 3 semester hours ___
 SC 486 Internship in High School Education 9 semester hours ___

TOTAL MINOR REQ. FOR LICENSURE/CERTIFICATION: 39 SEMESTER HOURS

TOTAL HOURS FOR GRADUATION: 134 SEMESTER HOURS

JUSTICE STUDIES (JS)

The bachelors degree in Justice Studies provides students with a knowledge base of the criminal law process, theoretical concepts of crime causation and control, and policymaking and management practices within criminal justice agencies. Program graduates have the skills and competencies to pursue graduate studies in the criminal justice field or gain employment in positions in law enforcement, correctional administration, judicial administration, probation/parole, and security in government and private sectors.

Bachelor of Science - Justice Studies Major

MAJOR CODE: 43.0104

Program components of the Bachelor of Science degree with a major in Justice Studies include:

1. **APPLICABLE GENERAL UNIVERSITY REQUIREMENTS:**

To graduate, each student must:

- complete a minimum of 33 semester hours of the last 39 semester hours at ASU.
- complete 60 to 64 semester hours of upper level college/university credit (300-400 level courses).
- complete a minimum of 15 semester hours of upper (300/400) level coursework in his or her major at Athens State University, not including courses taken by consortium arrangement. School or departmental regulations may require more than 15 semester hours of coursework in the major at Athens State University.
- complete all course requirements for major(s).
- complete all course requirements for minor (if applicable).
- complete all of the general education requirements for the degree.
- attain an overall grade point average of 2.0, a 2.0 on all coursework attempted at Athens State University and at least a 2.0 in the major field. School or departmental regulations may require more than a 2.0 grade point average (see major requirements in each discipline).
- complete the total hour requirement as specified by the degree.
- complete the teacher certification requirements (if applicable).

EACH STUDENT MUST ASSUME RESPONSIBILITY FOR KNOWING THE ACADEMIC REQUIREMENTS FOR THE DEGREE THAT IS BEING PURSUED.

2. **GENERAL EDUCATION REQUIREMENTS:**

Area I.	Written Composition	6 semester hours	__ __
Area II.	Humanities/Fine Arts (12 semester hours)		
	At least one fine arts course	3 semester hours	__
	At least one literature course	3 semester hours	__
	Additional courses in Humanities/Fine Arts	6 semester hours	__ __
Area III.	Mathematics and Natural Sciences (11 semester hours)		
	Finite Math or its equivalent required	3 semester hours	__
	Natural Sciences (lab based) required	8 semester hours	__ __
Area IV.	History/Behavioral and Social Sciences (12 semester hours)		
	At least one history course	3 semester hours	__
	Additional courses in History/Behavioral and Social Sciences	9 semester hours	__ __ __
<u>TOTAL GENERAL EDUCATION REQUIREMENTS</u>		<u>41 SEMESTER HOURS</u>	

3. **MAJOR PREREQUISITE COURSES (PREPROFESSIONAL)**
- Introduction to Criminal Justice 3 semester hours ____
- Law Enforcement or Policing or
 Corrections or Security 3 semester hours ____
- CIS 146 Microcomputer Applications or
 CIS 301 Problem Solving with Computers 3 semester hours ____
- General Electives 14 semester hours ____ ____ ____

TOTAL MAJOR PREREQUISITE HOURS: 23 SEMESTER HOURS

TOTAL GEN. ED. REQ. & MAJOR PREREQUISITE HOURS: 64 SEMESTER HOURS

4. **PROFESSIONAL COURSES:**
- JS 301 Criminal Justice Process 3 semester hours ____
- JS/PO 302 Criminal Law 3 semester hours ____
- JS 400 Law Enforcement in America 3 semester hours ____
- JS/SO 401 Adult Corrections 3 semester hours ____
- JS/SO 452 Advanced Criminology 3 semester hours ____
- PO 303 Comparative State and Local Government 3 semester hours ____
- PO/PS/SO 342 Methods of Behavioral Science Research or
 PSHA 401 Measurement and Evaluation 3 semester hours ____
- MG/PSHA/PO 377 Public Administration 3 semester hours ____
- JS/PO/PSHA 455 Public Administration Ethics 3 semester hours ____
- JS 465 Senior Research Project 4 semester hours ____
- Justice Studies Electives 6 semester hours ____ ____

TOTAL PROFESSIONAL HOURS: 37 SEMESTER HOURS

5. A minimum of 27 semester hours of upper division JS/PO/PSHA coursework must be completed at Athens State University.

6. A minor **is not** required.

7. **GENERAL ELECTIVES 27 Semester Hours** ____ ____ ____
 ____ ____ ____

TOTAL HOURS FOR GRADUATION 128 SEMESTER HOURS

The following minor can be obtained in the area of Justice Studies:

- Justice Studies

Course requirements for this minor can be found at the end of the College of Arts and Sciences section of the catalog.

LIBERAL STUDIES

The Liberal Studies major is offered through the College of Arts and Sciences but does not fall under any specific academic department. The program is based on an interdisciplinary approach that allows students the flexibility to develop their own unique program of study by taking courses from any one of the Colleges of Arts and Sciences, Business, or Education. Primarily, the program serves the needs of those students seeking to enrich and to satisfy their personal educational goals through non-specialized collegiate study. The curriculum is structured to produce graduates who possess a diverse range of coursework appropriate to any career that demands a college education but is not closely linked to any particular field of study. Program graduates have the skills and competencies to pursue further studies or seek employment.

While generally no specified major courses are required for the Liberal Studies major, the student must comply with all requirements for the Bachelor of Science degree and applicable university requirements (See General University Requirements). Students will be required to select and pass a capstone course of their choice from one of the disciplines offered by the University. Students should make this decision based on advice from the Liberal Studies advisor.

The following limitations apply to the Bachelor of Science in Liberal Studies:

- A minor is not permitted in the Liberal Studies program.
- Liberal Studies may not be considered as a minor to any other degree program.
- Liberal Studies may not be considered as a second major with any other degree program.
- The Bachelor of Science in Liberal Studies degree will be awarded only to students who have not declared a major in another program of study.
- The Bachelor of Science in Liberal Studies degree will not be awarded concurrently with any other major.

Bachelor of Science - Liberal Studies Major **MAJOR CODE: 24.0101**

Program components for the Bachelor of Science degree with a major in Liberal Studies include:

1. APPLICABLE GENERAL UNIVERSITY REQUIREMENTS:

To graduate, each student must:

- complete a minimum of 33 semester hours of the last 39 semester hours at ASU.
- complete 60 to 64 semester hours of upper level college/university credit (300-400 level courses).
- complete a minimum of 15 semester hours of upper (300/400) level coursework in his or her major at Athens State University, not including courses taken by consortium arrangement. School or departmental regulations may require more than 15 semester hours of coursework in the major at Athens State University.
- complete all course requirements for major(s).
- complete all course requirements for minor (if applicable).
- complete all of the general education requirements for the degree.
- attain an overall grade point average of 2.0, a 2.0 on all coursework attempted at Athens State University and at least a 2.0 in the major field. School or departmental regulations may require more than a 2.0 grade point average (see major requirements in each discipline).
- complete the total hour requirement as specified by the degree.
- complete the teacher certification requirements (if applicable).

EACH STUDENT MUST ASSUME RESPONSIBILITY FOR KNOWING THE ACADEMIC REQUIREMENTS FOR THE DEGREE THAT IS BEING PURSUED.

2. **GENERAL EDUCATION REQUIREMENTS:**

Area I.	Written Composition	6 semester hours	__	__
Area II.	Humanities/Fine Arts (12 semester hours)			
	At least one fine arts course	3 semester hours	__	
	At least one literature course	3 semester hours	__	
	Fine Arts/Humanities/Literature electives	6 semester hours	__	__
Area III.	Mathematics and Natural Sciences (11 semester hours)			
	Finite Math or its equivalent required	3 semester hours	__	
	Natural Sciences (lab based) required	8 semester hours	__	__
Area IV.	History/Behavioral and Social Sciences (12 semester hours)			
	At least one history course	3 semester hours	__	
	Additional History/Behavioral and Social Science courses	9 semester hours	__	__
<u>TOTAL GENERAL EDUCATION REQUIREMENTS</u>		41 SEMESTER HOURS		

3. **PRE-PROFESSIONAL AND ELECTIVE COURSES:**

CIS 146 Microcomputer Applications <i>or</i>				
CIS 301 Problem Solving with Computers		3 semester hours	__	
General Electives		19-20 semester hours		

TOTAL PRE-PROFESSIONAL HOURS 20-23 SEMESTER HOURS

TOTAL GEN. ED. REQ. & PRE-PROFESSIONAL HOURS 60-64 SEMESTER HOURS

4. **PROFESSIONAL COURSES:**

General electives at the 300 and 400 level 64-65 semester hours*

TOTAL HOURS FOR GRADUATION 124-128 SEMESTER HOURS

*This total will include a capstone course of 1-4 credit hours.

MATHEMATICS (MA)

The bachelors degree in Mathematics prepares students for careers in government, business, and industry or for pursuing graduate studies. The program offers two tracks. Track I is designed to more appropriately prepare students for employment in business and industry in areas requiring detailed and exact scientific analysis. Track II prepares the student to teach mathematics at the secondary school level and meets requirements for certification by the Alabama State Department of Education. Either track will qualify students to pursue graduate studies.

Bachelor of Science - Mathematics Major (Track 1)

MAJOR CODE: 27.0101

Program components for the Bachelor of Science degree with a major in Mathematics include:

1. **APPLICABLE GENERAL UNIVERSITY REQUIREMENTS:**

To graduate, each student must:

- complete a minimum of 33 semester hours of the last 39 semester hours at ASU.
- complete 60 to 64 semester hours of upper level college/university credit (300-400 level courses).
- complete a minimum of 15 semester hours of upper (300/400) level coursework in his or her major at Athens State University, not including courses taken by consortium arrangement. School or departmental regulations may require more than 15 semester hours of coursework in the major at Athens State University.
- complete all course requirements for major(s).
- complete all course requirements for minor (if applicable).
- complete all of the general education requirements for the degree.
- attain an overall grade point average of 2.0, a 2.0 on all coursework attempted at Athens State University and at least a 2.0 in the major field. School or departmental regulations may require more than a 2.0 grade point average (see major requirements in each discipline).
- complete the total hour requirement as specified by the degree.
- complete the teacher certification requirements (if applicable).

EACH STUDENT MUST ASSUME RESPONSIBILITY FOR KNOWING THE ACADEMIC REQUIREMENTS FOR THE DEGREE THAT IS BEING PURSUED.

2. **GENERAL EDUCATION REQUIREMENTS:**

Area I.	Written Composition	6 semester hours	___ ___
Area II.	Humanities/Fine Arts (12 semester hours)		
	At least one fine arts course	3 semester hours	___
	At least one literature course	3 semester hours	___
	Additional Humanities/Fine Arts courses	6 semester hours	___ ___
Area III.	Mathematics and Natural Sciences (11 semester hours)		
	Precalculus Algebra	3 semester hours	___
	Calculus Based Physics I	4 semester hours	___
	Calculus Based Physics II	4 semester hours	___
Area IV.	History/Behavioral and Social Sciences (12 semester hours)		
	At least one history course	3 semester hours	___
	Additional History/Behavioral and Social Science Courses	9 semester hours	___ ___ ___

TOTAL GENERAL EDUCATION REQUIREMENTS 41 SEMESTER HOURS

3. **MAJOR PREREQUISITE COURSES (PREPROFESSIONAL)**
 Students planning to major in mathematics at Athens State University are required to complete the following courses:
 CIS 146 Microcomputer Application or
 CS 301 Problem Solving With Computers 3 semester hours ___
 Precalculus Trigonometry 3 semester hours ___
 Calculus Sequence 12 semester hours ___ ___ ___
 General Electives 1-5 semester hours ___ ___
- TOTAL MAJOR PREREQUISITE HOURS: 19-23 SEMESTER HOURS**
- TOTAL GEN. ED. REQ. & MAJOR PREREQUISITE HOURS: 60-64 SEMESTER HOURS**
4. **PROFESSIONAL COURSES:**
 MA 308 Discrete Mathematics 3 semester hours ___
 MA 310 Matrices and Linear Algebra or its equivalent 3 semester hours ___
 MA 320 Modern Algebra 3 semester hours ___
 MA 330 Advanced Mathematical Software 3 semester hours ___
 MA 421 Differential Equations 3 semester hours ___
 MA 431 Introduction to Probability 3 semester hours ___
 Computer Programming Language Sequence (preferably CS 317, CS 318) 6 semester hours ___ ___
- Plus THREE (3) mathematics electives from the following: 9 semester hours ___ ___ ___**
 MA 316 Vector Analysis
 MA 401 Complex Analysis*
 MA 423 Numerical Analysis
 MA 428 Partial Differential Equations
 MA 432 Introduction to Statistics
 MA 441 Special Topics in Mathematics**
 MA 445 Mathematical Modeling and Simulation
 MA 450 Advanced Calculus I
 MA 451 Advanced Calculus II
 MA 452 Real Analysis*
- Additionally, at least ONE 2-SEMESTER SEQUENCE must be completed for the Mathematics Major.**
Options are:
 MA 401 Complex Analysis and MA 452 Real Analysis or
 MA 421 Differential Equations and MA 428 Partial Differential Equations or
 MA 431 Introduction to Probability and MA 432 Introduction to Statistics or
 MA 450 Advanced Calculus I and MA 451 Advanced Calculus II
- TOTAL PROFESSIONAL HOURS: 33 SEMESTER HOURS**
- *Recommended if planning to attend graduate school.
 **Must be approved by Mathematics Department Chairperson.
5. **The Mathematics major must complete a minimum of 12 semester hours of upper division 300/400 level mathematics coursework at Athens State University. To be used toward completing a Mathematics major at Athens State, any mathematics course transferred to Athens State must be a grade of C or higher. Mathematics majors must maintain a 2.5 G.P.A. in mathematics courses taken at Athens State University.**
6. A minimum 18 semester hour MINOR is required and must be approved by a Mathematics faculty advisor. **18 semester hours**
7. **GENERAL ELECTIVES 13 semester hours**
8. **TOTAL HOURS FOR GRADUATION 124-128 SEMESTER HOURS**

9. **ASSESSMENT/EXIT EXAMS**

Assessment exams and an exit exam are required. For most mathematics courses, the instructor will administer an assessment exam. The student should contact their advisor to schedule the exit exam.

It is the student's responsibility to schedule and take the exit exam. It is suggested that the exit exam be taken during the term prior to the student's last semester. As a condition for graduation, all B.S. mathematics majors must satisfactorily complete an exit exam. The B.S. mathematics with 18 hours minor exit exam covers topics and problems from algebra, trigonometry, the calculus sequence, discrete mathematics, linear algebra, modern algebra, differential equations, and introduction to probability.

The following minor can be obtained in the area of Mathematics:

- **Mathematics**

Course requirements for this minor can be found at the end of the College of Arts and Sciences section of the catalog.

Bachelor of Science - Mathematics Major (Track 2)
(Licensure and Certification Track for Teaching in Secondary Education) (Grades 6-12)
MAJOR CODE: 27.0101

(Due to the No Child Left Behind Federal Act of 2001, the program listed below may have changed. See your advisor.)

NOTE: To teach in secondary schools, the students MUST:

- 1) complete the below listed requirements to include the minor for certification and licensure;
- 2) contact the certification officer in the College of Education for approval of appropriate professional education courses and compliance with NCLB Federal Act of 2001 and State Department of Education licensure standards;
- 3) maintain a grade point average of at least a 2.5 on a 4.0 scale in the teaching field and overall education. A 2.75 is required in the professional studies. This is a requirement for student teaching and for graduation.
- 4) repeat courses in which D's and F's are made and realize that all attempts are calculated in the GPA. Education courses with the prefixes may be repeated one time only ED, EL, ER, SC, SE, CE, and HPE; and
- 5) understand that underlined courses in the minor require admission into the Teacher Education Program (TEP).

1. APPLICABLE GENERAL UNIVERSITY REQUIREMENTS:

To graduate, each student must:

- complete a minimum of 33 semester hours of the last 39 semester hours at ASU.
- complete 60 to 64 semester hours of upper level college/university credit (300-400 level courses).
- complete a minimum of 15 semester hours of upper (300/400) level coursework in his or her major at Athens State University, not including courses taken by consortium arrangement. School or departmental regulations may require more than 15 semester hours of coursework in the major at Athens State University.
- complete all course requirements for major(s).
- complete all course requirements for minor (if applicable).
- complete all of the general education requirements for the degree.
- complete the total hour requirement as specified by the degree.
- complete the teacher certification requirements (if applicable).

EACH STUDENT MUST ASSUME RESPONSIBILITY FOR KNOWING THE ACADEMIC REQUIREMENTS FOR THE DEGREE THAT IS BEING PURSUED. PLEASE FOLLOW CAREFULLY.

2. GENERAL EDUCATION REQUIREMENTS:

Area I.	Written Composition	6 semester hours	___ ___
Area II.	Humanities/Fine Arts (12 semester hours)		
	At least one fine arts course	3 semester hours	___
	Literature*	3 semester hours	___ or 6 semester hours ___ ___
	Speech (SPH 106 or SPH 107)	3 semester hours	___
	Humanities/Fine Arts Elective	0 semester hours	___ or 3 semester hours ___
Area III.	Mathematics and Natural Sciences (11 semester hours)		
	Precalculus Algebra	3 semester hours	___
	Calculus Based Physics I	4 semester hours	___
	Calculus Based Physics II	4 semester hours	___
Area IV.	History/Behavioral and Social Sciences (12 semester hours)		
	History*	3 semester hours	___ or 6 semester hours ___ ___
	General Psychology	3 semester hours	___
	History/Behavioral or Social Science		
	Elective	3 semester hours	___ or 6 semester hours ___ ___

***Students must complete a 6 semester hour sequence in either Area II Literature or Area IV History.**

TOTAL GENERAL EDUCATION REQUIREMENTS 41 SEMESTER HOURS

3. **MAJOR PREREQUISITE COURSES (PRE-PROFESSIONAL):**
 CIS 146 Microcomputer Applications or
 CS 301 Problem Solving with Computers 3 semester hours ___
 Precalculus Trigonometry 3 semester hours ___
 Calculus Sequence 12 semester hours ___ ___
 General Electives 1-5 semester hours ___ ___
TOTAL PRE-PROFESSIONAL HOURS: 19-23 SEMESTER HOURS
TOTAL GEN. ED. REQ. AND MAJOR PREREQUISITE HOURS: 60-64 SEMESTER HOURS

4. **PROFESSIONAL COURSES:**
 MA 308 Discrete Mathematics 3 semester hours ___
 MA 310 Matrices and Linear Algebra or its equivalent 3 semester hours ___
 MA 314 College Geometry** 3 semester hours ___
 MA 330 Advanced Mathematical Software 3 semester hours ___
 MA 331 Applied Probability and Statistics 3 semester hours ___
 MA 441 Special Topics in Mathematics 3 semester hours ___
 Computer Programming Language, CS 317 Computer Science I (C++), or its equivalent 3 semester hours ___
 Plus FOUR (4) Mathematics Electives from the following: 12 semester hours ___ ___
 MA 316 Vector Analysis
 MA 320 Modern Algebra*
 MA 401 Complex Analysis
 MA 421 Differential Equations
 MA 423 Numerical Analysis
 MA 428 Partial Differential Equations
 MA 431 Introduction to Probability
 MA 432 Introduction to Statistics
 MA 445 Mathematical Modeling and Simulation
 MA 450 Advanced Calculus I
 MA 451 Advanced Calculus II
 MA 452 Real Analysis*

*Recommended if planning to attend graduate school.
 **Prerequisite for MA 454 Materials and Methods of Teaching Mathematics in Middle School/High School.

TOTAL PROFESSIONAL HOURS 33 SEMESTER HOURS

5. **MINOR COURSES FOR CERTIFICATION:**
 ED 301 Foundations of Education I 3 semester hour ___
 ED 302 Foundations of Education II 3 semester hours ___
 ED 305 Technology & Media in Education 3 semester hours ___
 SC 331 Classroom Management in Secondary Education 3 semester hours ___
 SC 333 Teaching Reading/Writing in the Content Areas 3 semester hours ___
 SE 301 Introduction to Exceptional Learners 3 semester hours ___
 PS 334 Adolescent Psychology 3 semester hours ___
 SC 362 Assessment and Evaluation in Secondary Education 3 semester hours ___
 MA 454 Materials and Methods of Teaching Mathematics in Middle School/High School 3 semester hours ___
 SC 486 Internship in High School Education 9 semester hours ___ ___ ___

TOTAL MINOR REQ. FOR LICENSURE/CERTIFICATION: 36 SEMESTER HOURS

TOTAL HOURS FOR GRADUATION 129-133 SEMESTER HOURS

6. **ASSESSMENT/EXIT EXAMS**
 Assessment exams and an exit exam are required. For most mathematics courses, the instructor will administer an assessment exam. The mathematics exit exam is the PRAXIS II Math content exam required by the State of Alabama for certification in mathematics. This PRAXIS II exam is administered by ETS. It is the student's responsibility to schedule and take the exit exam. It is required by the College of Education that the Math Content PRAXIS II is taken prior to internship semester. Students are required to submit a copy of their score and break-out scores to their Math advisor.

POLITICAL SCIENCE (PO)

The bachelor's degree in Political Science provides students with a foundation in American and non-American politics through rigorous coursework across seven areas of political science: American national government, American state and local government, public policy, constitutional law, public administration, international relations, and foreign policy. In addition, students are provided a foundation on research methodology and undertake a discipline-related observational experience. The curriculum is structured to provide students with a background appropriate for a prelaw school experience. Program graduates have the skills and competencies necessary for entry into a graduate program in Public Administration, or pursue career opportunities in law-related fields, public administration, or teaching government and politics at the secondary school level. *Note: The Bachelor of Art degree requires a minor in another field.

Bachelor of Arts - Political Science Major **MAJOR CODE: 45.1001A**

Program components for the Bachelor of Arts degree with a major in Political Science include:

1. **APPLICABLE GENERAL UNIVERSITY REQUIREMENTS:**

To graduate, each student must:

- complete a minimum of 33 semester hours of the last 39 semester hours at ASU.
- complete 60 to 64 semester hours of upper level college/university credit (300-400 level courses).
- complete a minimum of 15 semester hours of upper (300/400) level coursework in his or her major at Athens State University, not including courses taken by consortium arrangement. School or departmental regulations may require more than 15 semester hours of coursework in the major at Athens State University.
- complete all course requirements for a major(s).
- complete all course requirements for a minor (if applicable).
- complete all of the general education requirements for the degree.
- attain an overall grade point average of 2.0, a 2.0 on all coursework attempted at Athens State University and at least a 2.0 in the major field. School or departmental regulations may require more than a 2.0 grade point average (see major requirements in each discipline).
- complete the total hour requirement as specified by the degree.
- complete the teacher certification requirements (if applicable).

EACH STUDENT MUST ASSUME RESPONSIBILITY FOR KNOWING THE ACADEMIC REQUIREMENTS FOR THE DEGREE THAT IS BEING PURSUED.

2. **GENERAL EDUCATION REQUIREMENTS:**

Area I. Written Composition	6 semester hours	___	___
Area II. Humanities/Fine Arts (12 semester hours)			
At least one fine arts course	3 semester hours	___	
At least one literature course	3 semester hours	___	
Other Humanities/Fine Arts courses	6 semester hours	___	___
Area III. Mathematics and Natural Sciences (11 semester hours)			
Finite Math or its equivalent required	3 semester hours	___	
Natural Sciences (lab based) required	8 semester hours	___	___
Area IV. History/Behavioral and Social Sciences (12 semester hours)			
At least one history course	3 semester hours	___	
Other History/Behavioral or Social Science courses	9 semester hours	___	___
<u>TOTAL GENERAL EDUCATION REQUIREMENTS</u>		<u>41 SEMESTER HOURS</u>	

3. **MAJOR PREREQUISITE COURSES (PRE-PROFESSIONAL)**
 Western Civilization or World History 3 semester hours ___
 American National Government or
 PO 304 Problems of American Government 3 semester hours ___
 State and Local Government or
 PO 303 Comparative State and Local Government or
 Foreign National Government 3 semester hours ___
 CIS 146 Microcomputer Applications or
 CIS 301 Problem Solving with Computers 3 semester hours ___
 General Electives 11 semester hours ___ ___ ___
- TOTAL MAJOR PREREQUISITE HOURS: 23 SEMESTER HOURS**
- TOTAL GEN. ED. REQ. & MAJOR PREREQUISITE HOURS: 60-64 SEMESTER HOURS**
4. **PROFESSIONAL COURSES:**
 PO 303 Comparative State and Local Government 3 semester hours ___
 PO 304 Problems of American Government 3 semester hours ___
 PO 307 American Constitutional Law or PO 364 Civil Liberties 3 semester hours ___
 PO 308 America and the World 3 semester hours ___
 PO 342 Methods of Behavioral Science Research 3 semester hours ___
 PO 351 American Public Policy 3 semester hours ___
 PO 377 Public Administration 3 semester hours ___
 PO 453 International Relations 3 semester hours ___
 PO 465 Senior Research Project 4 semester hours ___
 Electives in Political Science 9 semester hours ___ ___ ___
- TOTAL PROFESSIONAL HOURS: 37 SEMESTER HOURS**
5. A minimum of 27 semester hours of upper division JS/PO/PSHA coursework should be completed at Athens State University.
6. A Faculty Advisor approved minor **is** required. 18 Semester Hours
7. **GENERAL ELECTIVES 9 Semester Hours** ___ ___
8. **TOTAL HOURS FOR GRADUATION 128 SEMESTER HOURS**

Bachelor of Science - Political Science Major
MAJOR CODE: 45.1001B

Program components for the Bachelor of Science degree with a major in Political Science include:

1. **APPLICABLE GENERAL UNIVERSITY REQUIREMENTS:**

To graduate, each student must:

- complete a minimum of 33 semester hours of the last 39 semester hours at ASU.
- complete 60 to 64 semester hours of upper level college/university credit (300-400 level courses).
- complete a minimum of 15 semester hours of upper (300/400) level coursework in his or her major at Athens State University, not including courses taken by consortium arrangement. School or departmental regulations may require more than 15 semester hours of coursework in the major at Athens State University.
- complete all course requirements for a major(s).
- complete all course requirements for a minor (if applicable).
- complete all of the general education requirements for the degree.
- attain an overall grade point average of 2.0, a 2.0 on all coursework attempted at Athens State University and at least a 2.0 in the major field. School or departmental regulations may require more than a 2.0 grade point average (see major requirements in each discipline).
- complete the total hour requirement as specified by the degree.
- complete the teacher certification requirements (if applicable).

EACH STUDENT MUST ASSUME RESPONSIBILITY FOR KNOWING THE ACADEMIC REQUIREMENTS FOR THE DEGREE THAT IS BEING PURSUED.

2. **GENERAL EDUCATION REQUIREMENTS:**

Area I.	Written Composition	6 semester hours	__ __
Area II.	Humanities/Fine Arts (12 semester hours)		
	At least one fine arts course	3 semester hours	__
	At least one literature course	3 semester hours	__
	Other Humanities/Fine Arts courses	6 semester hours	__ __
Area III.	Mathematics and Natural Sciences (11 semester hours)		
	Finite Math or its equivalent required	3 semester hours	__
	Natural Sciences (lab based) required	8 semester hours	__ __
Area IV.	History/Behavioral and Social Sciences (12 semester hours)		
	At least one history course	3 semester hours	__
	Other History/Behavioral or Social Science courses	9 semester hours	__ __ __
<u>TOTAL GENERAL EDUCATION REQUIREMENTS</u>		<u>41 SEMESTER HOURS</u>	

3. **MAJOR PREREQUISITE COURSES (PRE-PROFESSIONAL)**
 Western Civilization or World History 3 semester hours ___
 American National Government or
 PO 304 Problems of American Government 3 semester hours
 State and Local Government or
 PO 303 Comparative State and Local Government or
 Foreign National Government 3 semester hours ___
 CIS 146 Microcomputer Applications or
 CIS 301 Problem Solving with Computers 3 semester hours ___
 General Electives 11 semester hours ___ ___ ___

TOTAL MAJOR PREREQUISITE HOURS: 23 SEMESTER HOURS

TOTAL GEN. ED. REQ. & MAJOR PREREQUISITE HOURS: 64 SEMESTER HOURS

4. **PROFESSIONAL COURSES:**
 PO 303 Comparative State and Local Government 3 semester hours ___
 PO 304 Problems of American Government 3 semester hours ___
 PO 307 American Constitutional Law or PO 364 Civil Liberties 3 semester hours ___
 PO 308 America and the World 3 semester hours ___
 PO 342 Methods of Behavioral Science Research 3 semester hours ___
 PO 351 American Public Policy 3 semester hours ___
 PO 377 Public Administration 3 semester hours ___
 PO 453 International Relations 3 semester hours ___
 PO 465 Senior Research Project 4 semester hours ___
 Electives in Political Science 9 semester hours ___ ___ ___

TOTAL PROFESSIONAL HOURS: 37 SEMESTER HOURS

5. A minimum of 27 semester hours of upper division JS/PO/PSHA coursework should be completed at Athens State University.

6. A minor is **not** required.

7. **GENERAL ELECTIVES** 27 semester hours ___ ___ ___ ___
 ___ ___ ___ ___

8. **TOTAL HOURS FOR GRADUATION** **128 SEMESTER HOURS**

The following minor can be obtained in the area of Political Science:

- Political Science

Course requirements for this minor can be found at the end of the College of Arts and Sciences section of the catalog.

PSYCHOLOGY (PS)

The bachelors degrees in Psychology aspire to assist students in planning for their careers. The Bachelor of Art degree is recommended for those seeking to enter graduate school. The Bachelor of Science degree is for those who wish to seek employment after graduation. The Department goals are aimed at: (1) enhancing the student's understanding of human services settings through a broad knowledge base of applied and clinical areas of human behavior; (2) instilling an appreciation for the ethical principles governing the fields of psychology, social work, and counseling; (3) cultivating life-long learning through proficient use of technology and information; (4) developing reasoning and analytical skills; and (5) communicating effectively orally and in writing.

Bachelor of Arts - Psychology Major MAJOR CODE: 42.0101A

Program components for the Bachelor of Arts degree with a major in Psychology include:

1. **APPLICABLE GENERAL UNIVERSITY REQUIREMENTS:**

To graduate, each student must:

- complete a minimum of 33 semester hours of the last 39 semester hours at ASU.
- complete 60 to 64 semester hours of upper level college/university credit (300-400 level courses).
- complete a minimum of 15 semester hours of upper (300/400) level coursework in his or her major at Athens State University, not including courses taken by consortium arrangement. School or departmental regulations may require more than 15 semester hours of coursework in the major at Athens State University.
- complete all course requirements for major(s).
- complete all course requirements for minor (if applicable).
- complete all of the general education requirements for the degree.
- attain an overall grade point average of 2.0, a 2.0 on all coursework attempted at Athens State University and at least a 2.0 in the major field. School or departmental regulations may require more than a 2.0 grade point average (see major requirements in each discipline).
- complete the total hour requirement as specified by the degree.
- complete the teacher certification requirements (if applicable).

EACH STUDENT MUST ASSUME RESPONSIBILITY FOR KNOWING THE ACADEMIC REQUIREMENTS FOR THE DEGREE THAT IS BEING PURSUED.

2. **GENERAL EDUCATION REQUIREMENTS:**

Area I.	Written Composition	6 semester hours	—	—
Area II.	Humanities/Fine Arts (12 semester hours)			
	At least one fine arts course	3 semester hours	—	
	At least one literature course	3 semester hours	—	
	Other Humanities/Fine Arts courses	6 semester hours	—	—
Area III.	Mathematics and Natural Sciences (11 semester hours)			
	Finite Math or its equivalent required	3 semester hours	—	
	Natural Sciences (lab based) required	8 semester hours	—	—
Area IV.	History/Behavioral and Social Sciences (12 semester hours)			
	At least one history course	3 semester hours	—	
	Other History/Behavioral or Social Science courses	9 semester hours	—	—
TOTAL GENERAL EDUCATION REQUIREMENTS		41 SEMESTER HOURS		

3. **MAJOR PREREQUISITE COURSES (PRE-PROFESSIONAL)**
- | | | |
|--|-------------------|-----------------|
| General Psychology | 3 semester hours | ___ |
| CIS 146 Microcomputer Applications <u>or</u>
CIS 301 Problem Solving with Computers | 3 semester hours | ___ |
| Electives in Psychology | 6 semester hours | ___ ___ |
| General electives | 11 semester hours | ___ ___ ___ ___ |
- TOTAL PRE-PROFESSIONAL HOURS: 23 SEMESTER HOURS**
- TOTAL GEN. ED. REQ. & PRE-PROFESSIONAL HOURS: 64 SEMESTER HOURS**
4. **PROFESSIONAL COURSES:**
The following courses must be completed at the 300/400 level:
- | | | |
|--|-------------------|-----------------|
| PS 331 Social Psychology | 3 semester hours | ___ |
| PS 332 Child Psychology <u>or</u> PS 334 Adolescent Psychology | 3 semester hours | ___ |
| PS 336 Psychology of Learning <u>or</u> PS 410 History and Systems of Psychology | 3 semester hours | ___ |
| PS 341 Statistics with Advanced Topics in Behavioral Sciences | 3 semester hours | ___ |
| PS 352 Abnormal Psychology | 3 semester hours | ___ |
| PS 380/PS 380L Experimental Psychology | 4 semester hours | ___ |
| PS 406 Physiological Psychology | 3 semester hours | ___ |
| PS 420 Cognitive Psychology | 3 semester hours | ___ |
| PS 499 Thinking, Writing, and Speaking in the Behavioral Sciences | 3 semester hours | ___ |
| Faculty Advisor approved Psychology electives | 12 semester hours | ___ ___ ___ ___ |
- TOTAL PROFESSIONAL HOURS: 40 SEMESTER HOURS**
5. A minimum of 24 semester hours of upper division psychology coursework must be completed at Athens State University.
6. A Faculty Advisor approved minor **is** required. 18 semester hours
7. **GENERAL ELECTIVES** **6 Semester Hours** ___ ___
The student is encouraged to select electives which will prepare him/her to obtain the highest possible score on the Graduate Record Examination (GRE). Such courses would include geometry, additional literature courses, and science courses.
8. **TOTAL HOURS FOR GRADUATION: 128 SEMESTER HOURS**

Bachelor of Science - Psychology Major
MAJOR CODE: 42.0101B

Program components for the Bachelor of Science degree with a major in Psychology include:

1. **APPLICABLE GENERAL UNIVERSITY REQUIREMENTS:**

To graduate, each student must:

- complete a minimum of 33 semester hours of the last 39 semester hours at ASU.
- complete 60 to 64 semester hours of upper level college/university credit (300-400 level courses).
- complete a minimum of 15 semester hours of upper (300/400) level coursework in his or her major at Athens State University, not including courses taken by consortium arrangement. School or departmental regulations may require more than 15 semester hours of coursework in the major at Athens State University.
- complete all course requirements for major(s).
- complete all course requirements for minor (if applicable).
- complete all of the general education requirements for the degree.
- attain an overall grade point average of 2.0, a 2.0 on all coursework attempted at Athens State University and at least a 2.0 in the major field. School or departmental regulations may require more than a 2.0 grade point average (see major requirements in each discipline).
- complete the total hour requirement as specified by the degree.
- complete the teacher certification requirements (if applicable).

EACH STUDENT MUST ASSUME RESPONSIBILITY FOR KNOWING THE ACADEMIC REQUIREMENTS FOR THE DEGREE THAT IS BEING PURSUED.

2. **GENERAL EDUCATION REQUIREMENTS:**

Area I.	Written Composition	6 semester hours	__	__
Area II.	Humanities/Fine Arts (12 semester hours)			
	At least one fine arts course	3 semester hours	__	
	At least one literature course	3 semester hours	__	
	Other Humanities/Fine Arts courses	6 semester hours	__	__
Area III.	Mathematics and Natural Sciences (11 semester hours)			
	Finite Math or its equivalent required	3 semester hours	__	
	Natural Sciences (lab based) required	8 semester hours	__	__
Area IV.	History/Behavioral and Social Sciences (12 semester hours)			
	At least one history course	3 semester hours	__	
	Other History/Behavioral or Social Science courses	9 semester hours	__	__
<u>TOTAL GENERAL EDUCATION REQUIREMENTS</u>		<u>41 SEMESTER HOURS</u>		

3. **MAJOR PREREQUISITE COURSES (PRE-PROFESSIONAL)**
- | | | |
|--|--------------------------|-----------------|
| General Psychology | 3 semester hours | ___ |
| CIS 146 Microcomputer Applications <u>or</u> | | |
| CIS 301 Problem Solving with Computers | 3 semester hours | ___ |
| Electives in Psychology | 6 semester hours | ___ ___ |
| General electives | 11 semester hours | ___ ___ ___ ___ |
| TOTAL MAJOR PREREQUISITE HOURS | 23 SEMESTER HOURS | |
| TOTAL GEN. ED. REQ. & MAJOR PREREQUISITE HOURS: | 64 SEMESTER HOURS | |
4. **PROFESSIONAL COURSES:**
The following courses must be completed at the 300/400 level:
- | | | |
|---|--------------------------|-----------------|
| PS 331 Social Psychology | 3 semester hours | ___ |
| PS 332 Child Psychology <u>or</u> PS 334 Adolescent Psychology | 3 semester hours | ___ |
| PS 336 Psychology of Learning <u>or</u> | | |
| PS 410 History and Systems of Psychology | 3 semester hours | ___ |
| PS 341 Statistics with Advanced Topics in Behavioral Science | 3 semester hours | ___ |
| PS 352 Abnormal Psychology | 3 semester hours | ___ |
| PS 380/PS 380L Experimental Psychology | 4 semester hours | ___ |
| PS 406 Physiological Psychology | 3 semester hours | ___ |
| PS 420 Cognitive Psychology | 3 semester hours | ___ |
| PS 499 Thinking, Writing, and Speaking in the Behavioral Sciences | 3 semester hours | ___ |
| Faculty Advisor approved Psychology electives | 12 semester hours | ___ ___ ___ ___ |
| TOTAL PROFESSIONAL HOURS: | 40 SEMESTER HOURS | |
5. A minimum of 24 semester hours of upper division psychology coursework must be completed at Athens State University.
6. A minor is **not** required.
7. **GENERAL ELECTIVES** **24 semester hours** ___ ___ ___ ___
___ ___
8. **TOTAL HOURS FOR GRADUATION:** **128 SEMESTER HOURS**

The following minor can be obtained in the area of Psychology:

- Psychology

Course requirements for this minor can be found at the end of the College of Arts and Sciences section of the catalog.

PUBLIC SAFETY AND HEALTH ADMINISTRATION (PSHA)

The Bachelor of Science degree in Public Safety and Health Administration provides students an educational background focused in the administration of public agencies at all levels of government, which promote community health and safety. The program is mostly aimed at students with working experience in preventing, responding, managing, and reducing the consequences of public emergencies. Through rigorous coursework, the program prepares professionals in emergency response and allied health agencies for increased management and administration responsibilities, thus enhancing career opportunities.

Bachelor of Science - Public Safety and Health Administration Major

MAJOR CODE: 43.0201

Program components of the Bachelor of Science degree with a major in Public Safety and Health Administration include:

1. **APPLICABLE GENERAL UNIVERSITY REQUIREMENTS:**

To graduate, each student must:

- complete a minimum of 33 semester hours of the last 39 semester hours at ASU.
- complete 60 to 64 semester hours of upper level college/university credit (300-400 level courses).
- complete a minimum of 15 semester hours of upper (300/400) level coursework in his or her major at Athens State University, not including courses taken by consortium arrangement. School or departmental regulations may require more than 15 semester hours of coursework in the major at Athens State University.
- complete all course requirements for major(s).
- complete all course requirements for minor (if applicable).
- complete all of the general education requirements for the degree.
- attain an overall grade point average of 2.0, a 2.0 on all coursework attempted at Athens State University and at least a 2.0 in the major field. School or departmental regulations may require more than a 2.0 grade point average (see major requirements in each discipline).
- complete the total hour requirement as specified by the degree.
- complete the teacher certification requirements (if applicable).

EACH STUDENT MUST ASSUME RESPONSIBILITY FOR KNOWING THE ACADEMIC REQUIREMENTS FOR THE DEGREE THAT IS BEING PURSUED.

2. **GENERAL EDUCATION REQUIREMENTS:**

Area I.	Written Composition	6 semester hours	___ __
Area II.	Humanities/Fine Arts (12 semester hours)		
	At least one fine arts course	3 semester hours	___
	At least one literature course	3 semester hours	___
	Other Humanities/Fine Arts courses	6 semester hours	___ __
Area III.	Mathematics and Natural Sciences (11 semester hours)		
	Finite Math or its equivalent required	3 semester hours	___
	Natural Sciences (lab based) required	8 semester hours	___ __
Area IV.	History/Behavioral and Social Sciences (12 semester hours)		
	At least one history course	3 semester hours	___
	Other History/Behavioral or Social Science courses	9 semester hours	___ __ __
<u>TOTAL GENERAL EDUCATION REQUIREMENTS</u>		<u>41 SEMESTER HOURS</u>	

3. **MAJOR PREREQUISITE COURSES (PRE-PROFESSIONAL)**
The Public Safety and Health Administration major must complete
 CIS 146 Microcomputer Applications or
 CIS 301 Problem Solving with Computers 3 semester hours ___
 The remaining hours in Area V must be completed in Fire Sciences, Nursing,
 Fire Services Management (FCS), Criminal Justice (CJ), Emergency
 Medical Services (EMS), Allied Health, or Environmental Technology (EVT) 20 semester hours ___ ___ ___ ___

TOTAL MAJOR PREREQUISITE HOURS: 23 SEMESTER HOURS
TOTAL GEN. ED. REQ. AND MAJOR PREREQUISITE HOURS: 64 SEMESTER HOURS
4. **PROFESSIONAL COURSES:**
 PO 303 Comparative State and Local Government 3 semester hours ___
 PO 342 Methods of Behavioral Science Research or PSHA 401 Measurement 3 semester hours ___
 and Evaluation
 PSHA 349 Human Resources Management 3 semester hours ___
 PSHA 350 Introduction to the American Legal System or
 PO 355 Health Policy in the U.S. 3 semester hours ___
 PSHA 354 Contemporary Health and Physical Education Activities 3 semester hours ___
 PSHA 377 Public Administration 3 semester hours ___
 PO/PSHA 380 Public Finance 3 semester hours ___
 PSHA 446 Public Safety Concepts and Systems 3 semester hours ___
 PSHA 447 Public Health Concepts and Systems 3 semester hours ___
 PSHA 448 Managing the Public Safety and Health Emergency 3 semester hours ___
 PSHA 451 Environmental Health and Safety Systems 3 semester hours ___
 PSHA 455 Public Administration Ethics 3 semester hours ___
 PSHA 465 Senior Research Project 4 semester hours ___
TOTAL PROFESSIONAL HOURS: 40 SEMESTER HOURS
5. A minimum of 27 semester hours of upper division JS/PO/PSHA coursework must be completed at Athens State University.
6. A minor **is not** required.
7. **GENERAL ELECTIVES 20 Semester Hours** ___ ___ ___ ___

8. **TOTAL HOURS FOR GRADUATION: 124 SEMESTER HOURS**

PUBLIC SAFETY AND HEALTH ADMINISTRATION EXTRA-INSTITUTIONAL CREDIT

Students majoring in Public Safety and Health Administration may be eligible to obtain up to a maximum of 12 semester hours upper-division academic credit for experience and advanced professional certifications. Academic credit may be awarded for official professional certification in a public safety and/or allied health field and/or work experience in a public safety or allied health supervisory and/or administrative position. Credit for basic certificates or credit previously awarded at another level or through another institution will not be duplicated.

Students meeting the qualifications for extra-institutional credit must register for particular courses based upon the students' credentials. Each course is 3 semester hours credit, and carries the standard per hour tuition. Students assume the responsibility for registering for the appropriate course(s), and for submitting to their Public Safety and Health Administration Faculty Advisor all appropriate certificate copies and documentation of appropriate work experiences. Students successfully documenting advanced professional skills and administrative experience will be awarded a score of P (passing) for appropriate coursework. Students may not register for this coursework their first term at Athens State University, but may register for this coursework during any subsequent term.

The particular courses for which qualified students should register are listed below with appropriate criteria.

- PSHA 459** Public Safety or Healthcare Supervisor (Must provide a letter of appointment from agency)
- PSHA 460** Public Safety or Healthcare Manager/Administrator (Must provide a letter of appointment from agency)
- PSHA 461** Paramedic/Public Safety or Healthcare Instructor (Must provide copy of certificate)
- PSHA 462** Haz-Mat Technician (Must provide copy of certificate)
- PSHA 463** Haz-Mat Specialist (Must provide copy of certificate)

RELIGION (RE)

The bachelors degree in Religion provides students with a broad based knowledge in religion. The degree's core contains rigorous coursework in four major areas of study: (1) world religion including the history of religion, (2) moral values and theology, (3) biblical studies, and (4) sociology of religion. The curriculum focuses on ideas and practices of ancient and modern religions. The program covers these ideas and practices on several levels. It looks at the sacred texts of different religious traditions, the relationship between religion and culture, the historical and literary aspects of the religion, and the sociological research methods needed for understanding the evolution of religious thought throughout history. Program graduates will possess the knowledge, skills, and competencies to engage in ongoing discussion and research of the world's religions and their writings. The program also prepares students to pursue a religious vocation, further education at a graduate level, or enter careers in ministry or teaching.

Bachelor of Arts - Religion Major MAJOR CODE: 38.0201A

Program components for the Bachelor of Arts with a major in Religion include:

1. APPLICABLE GENERAL UNIVERSITY REQUIREMENTS:

To graduate, each student must:

- complete a minimum of 33 semester hours of the last 39 semester hours at ASU.
- complete 60 to 64 semester hours of upper level college/university credit (300-400 level courses).
- complete a minimum of 15 semester hours of upper (300/400) level coursework in his or her major at Athens State University, not including courses taken by consortium arrangement. School or departmental regulations may require more than 15 semester hours of coursework in the major at Athens State University.
- complete all course requirements for major(s).
- complete all course requirements for minor (if applicable).
- complete all of the general education requirements for the degree.
- attain an overall grade point average of 2.0, a 2.0 on all coursework attempted at Athens State University and at least a 2.0 in the major field. School or departmental regulations may require more than a 2.0 grade point average (see major requirements in each discipline).
- complete the total hour requirement as specified by the degree.
- complete the teacher certification requirements (if applicable).

EACH STUDENT MUST ASSUME RESPONSIBILITY FOR KNOWING THE ACADEMIC REQUIREMENTS FOR THE DEGREE THAT IS BEING PURSUED.

2. GENERAL EDUCATION REQUIREMENTS:

Area I. Written Composition	6 semester hours	__ __
Area II. Humanities/Fine Arts (12 semester hours)		
At least one fine arts course	3 semester hours	__
At least one literature course	3 semester hours	__
Other Humanities/Fine Arts courses	6 semester hours	__ __
Area III. Mathematics and Natural Sciences (11 semester hours)		
Finite Math or its equivalent required	3 semester hours	__
Natural Sciences (lab based) required	8 semester hours	__ __
Area IV. History/Behavioral and Social Sciences (12 semester hours)		
At least one history course	3 semester hours	__
Other History/Behavioral or Social Science courses	9 semester hours	__ __ __
TOTAL GENERAL EDUCATION REQUIREMENTS		41 SEMESTER HOURS

SOCIAL SCIENCE (SS)

The Social Science degree has a major concentration in history combined with a variety of courses in political science, economics, geography, and the behavioral sciences. This interdisciplinary approach is aimed at enhancing a student's understanding of history, society, government, and world affairs. Social science graduates have the skills and competencies to pursue graduate studies, gain employment in a variety of career fields in government and the private sector, or teach social sciences at the secondary school level.

Bachelor of Science - Social Science Major

MAJOR CODE: 45.0101

1. **APPLICABLE GENERAL UNIVERSITY REQUIREMENTS:**

To graduate, each student must:

- complete a minimum of 33 semester hours of the last 39 semester hours at ASU.
- complete 60 to 64 semester hours of upper level college/university credit (300-400 level courses).
- complete a minimum of 15 semester hours of upper (300/400) level coursework in his or her major at Athens State University, not including courses taken by consortium arrangement. School or departmental regulations may require more than 15 semester hours of coursework in the major at Athens State University.
- complete all course requirements for major(s).
- complete all course requirements for minor (if applicable).
- complete all of the general education requirements for the degree.
- attain an overall grade point average of 2.0, a 2.0 on all coursework attempted at Athens State University and at least a 2.0 in the major field. School or departmental regulations may require more than a 2.0 grade point average (see major requirements in each discipline).
- complete the total hour requirement as specified by the degree.
- complete the teacher certification requirements (if applicable).

EACH STUDENT MUST ASSUME RESPONSIBILITY FOR KNOWING THE ACADEMIC REQUIREMENTS FOR THE DEGREE THAT IS BEING PURSUED.

2. **GENERAL EDUCATION REQUIREMENTS:**

Area I. Written Composition 6 semester hours ___ ___

Area II. Humanities and Fine Arts (12 semester hours)

The Arts 3 semester hours ___
Speech (SPH 106 or SPH 107) 3 semester hours ___
Humanities Elective 3 semester hours ___
Literature 3 semester hours ___

Area III. Natural Sciences and Mathematics (11 semester hours)

Finite Math or its equivalent required 3 semester hours ___
Natural Sciences (lab based required) 8 semester hours ___ ___

Area IV. History, Social and Behavioral Sciences (12 semester hours)

US History I and II 6 semester hours ___ ___
General Psychology 3 semester hours ___
Introduction to Sociology or an approved Social and Behavioral
Science Elective 3 semester hours ___

TOTAL GENERAL EDUCATION REQUIREMENTS: 41 SEMESTER HOURS

3.	MAJOR PREREQUISITE COURSES (PRE-PROFESSIONAL):	
	CIS 146 Microcomputer Applications <u>or</u>	
	CIS 301 Problem Solving with Computers	3 semester hours ___
	Western Civilization I and II <u>or</u> World History I and II	6 semester hours ___
	Introduction to American National Government <u>or</u>	
	PO 304 Problems of American Government	3 semester hours ___
	Macroeconomics	3 semester hours ___
	Microeconomics	3 semester hours ___
	Geography 100 <u>or</u> GO 300 World Regional Geography	3 semester hours ___
	Elective	3 semester hours ___
	TOTAL MAJOR PREREQUISITE HOURS:	24 SEMESTER HOURS
	TOTAL GEN. ED. AND MAJOR PREREQUISITE HOURS:	65 SEMESTER HOURS
4.	PROFESSIONAL COURSES:	
	HY 302 Alabama History	3 semester hours ___
	HY 307 American Constitutional Law	3 semester hours ___
	HY 308 America and the World	3 semester hours ___
	HY 451 Senior History Seminar	3 semester hours ___
	American History (Choose two of the following)	6 semester hours ___ ___
	HY 304 Revolutionary American History	
	HY 305 American Expansion in the 19th Century	
	HY 306 20th Century America	
	HY 309 American Civil War and Reconstruction <u>or</u>	
	an approved elective in American History	
	HY 351 Columbus and the Age of Discovery, 1400-1600	
	Non-American History (Choose two of the following)	6 semester hours ___ ___
	HY 312 Early Modern Europe, 1610-1789	
	HY 313 Revolutionary Europe	
	HY 314 19th Century Europe	
	HY 315 20th Century Europe	
	HY 321 England and Britain to 1688 <u>or</u> HY 322 England and Britain <u>or</u> HY 323 Tudor and Stuart Britain, 1485-1714	
	HY 334 Middle East	
	HY 342 Modern Russia <u>or</u> an approved elective in Non-American History	
	Social Science Requirements:	
	PO 303 Comparative State and Local Government <u>or</u>	
	PO 305 Alabama Government	3 semester hours ___
	PO 351 American Public Policy	3 semester hours ___
	PO 453 International Relations	3 semester hours ___
	HY/GO 340 South America, Africa and Asia	3 semester hours ___
	TOTAL PROFESSIONAL COURSE HOURS	36 SEMESTER HOURS
5.	General Electives	27 semester hours
		___ ___ ___ ___ ___
		___ ___ ___ ___ ___
	TOTAL HOURS FOR GRADUATION	128 SEMESTER HOURS

Bachelor of Science - Social Science Major
(Licensure and Certification Track for Teaching in Secondary Education) (Grades 6-12)
MAJOR CODE: 45.0101

(Due to the No Child Left Behind Federal Act of 2001, the program listed below may have changed. See your advisor.)

NOTE: To teach in secondary schools, the students MUST:

- 1) complete the below listed requirements to include the minor for certification and licensure;
- 2) contact the certification officer in the College of Education for approval of appropriate professional education courses and compliance with NCLB Federal Act of 2001 and State Department of Education licensure standards;
- 3) maintain a grade point average of at least a 2.5 on a 4.0 scale in the teaching field and overall education. A 2.75 is required in the professional studies. This is a requirement for student teaching and for graduation.
- 4) repeat courses in which D's and F's are made and realize that all attempts are calculated in the GPA. Education courses with the prefixes ED, EL, ER, SC, SE, CE, and HPE may be repeated one time only.
- 5) understand that underlined courses in the minor require admission into the Teacher Education Program (TEP);
- 6) complete the 12 semester hours in History sequences and the 6 semester hours in Macroeconomics and Microeconomics as required by the degree before being admitted to the Teacher Education Program.

1. APPLICABLE GENERAL UNIVERSITY REQUIREMENTS:

To graduate, each student must:

- complete a minimum of 33 semester hours of the last 39 semester hours at ASU.
- complete 60 to 64 semester hours of upper level college/university credit (300-400 level courses).
- complete a minimum of 15 semester hours of upper (300/400) level coursework in his or her major at Athens State University, not including courses taken by consortium arrangement. School or departmental regulations may require more than 15 semester hours of coursework in the major at Athens State University.
- complete all course requirements for a major(s).
- complete all course requirements for a minor (if applicable).
- complete all of the general education requirements for the degree.
- complete the total hour requirement as specified by the degree.
- complete the teacher certification requirements (if applicable).

EACH STUDENT MUST ASSUME RESPONSIBILITY FOR KNOWING THE ACADEMIC REQUIREMENTS FOR THE DEGREE THAT IS BEING PURSUED. PLEASE FOLLOW CAREFULLY.

2. GENERAL EDUCATION REQUIREMENTS:

Area I.	Written Composition	6 semester hours	__ __
Area II.	Humanities and Fine Arts (12 semester hours)		
	The Arts	3 semester hours	__
	Speech (SPH 106 or SPH 107)	3 semester hours	__
	Humanities/Fine Arts Elective.	3 semester hours	__
	Literature	3 semester hours	__
Area III.	Natural Sciences and Mathematics (11 semester hours)		
	Finite Math or its equivalent required	3 semester hours	__
	Natural Sciences (lab based required)	8 semester hours	__ __
Area IV.	History, Social and Behavioral Sciences (12 semester hours)		
	U.S History I and II	6 semester hours	__ __
	General Psychology	3 semester hours	__
	Introduction to Sociology or an approved Social and Behavioral Science Elective	3 semester hours	__

TOTAL GENERAL EDUCATION REQUIREMENTS: 41 SEMESTER HOURS

3. **MAJOR PREREQUISITE COURSES (PRE-PROFESSIONAL):**
 CIS 146 Microcomputer Applications or CIS 301 Problem Solving with
 Computers 3 semester hours ___
 Western Civilization I and II or World History I and II 6 semester hours ___
 Introduction to American National Government or PO 304 Problems of
 American Government 3 semester hours ___
 Macroeconomics 3 semester hours ___
 Microeconomics 3 semester hours ___
 Geography 100 or GO 300 World Regional Geography 3 semester hours ___
- TOTAL MAJOR PREREQUISITE HOURS: 21 SEMESTER HOURS**
- TOTAL GEN. ED. REQ. AND MAJOR PREREQUISITE HOURS: 62 SEMESTER HOURS**

4. **PROFESSIONAL COURSES:**
 HY 302 Alabama History 3 semester hours ___
 HY 307 American Constitutional Law 3 semester hours ___
 HY 308 America and the World 3 semester hours ___
 HY 451 Senior History Seminar 3 semester hours ___
- American History** (Choose two of the following) 6 semester hours ___ ___
 HY 304 Revolutionary American History
 HY 305 American Expansion in the 19th Century
 HY 306 20th Century America
 HY 309 American Civil War and Reconstruction or
 an approved elective in American History
 HY 351 Columbus and the Age of Discovery, 1400-1600
- Non-American History** (Choose two of the following) 6 semester hours ___ ___
 HY 312 Early Modern Europe, 1610-1789
 HY 313 Revolutionary Europe
 HY 314 19th Century Europe
 HY 315 20th Century Europe
 HY 321 England and Britain to 1688 or HY 322 England and Britain or HY 323 Tudor and Stuart Britain, 1485-1714
 HY 334 Middle East
 HY 342 Modern Russia or an approved elective in Non-American History
- Social Science Requirements:**
 PO 303 Comparative State and Local Government or
 PO 305 Alabama Government 3 semester hours ___
 PO 351 American Public Policy 3 semester hours ___
 PO 453 International Relations 3 semester hours ___
 HY/GO 340 South America, Africa and Asia 3 semester hours ___
 EC 310 Modern Economics or EC 320 Introduction to International Commerce .. 3 semester hours ___
- TOTAL PROFESSIONAL HOURS 39 SEMESTER HOURS**

5. **MINOR COURSES FOR CERTIFICATION:**
 ED 301 Foundations of Education I 3 semester hours ___
 ED 302 Foundations of Education II 3 semester hours ___
 ED 305 Technology & Media in Education 3 semester hours ___
 SC 331 Classroom Management in Secondary Education 3 semester hours ___
 SC 333 Teaching Reading/Writing in the Content Areas 3 semester hours ___
 SC 362 Assessment and Evaluation in Secondary Education 3 semester hours ___
 PS 334 Adolescent Psychology 3 semester hours ___

SE 301 <u>Introduction to Exceptional Learners</u>	3 semester hours	___
SS 450 <u>Materials and Methods of Teaching History and Social Sciences in the Middle School/High School</u>	3 semester hours	___
SC 486 <u>Internship in High School Education</u>	9 semester hours	___ ___ ___
TOTAL MINOR REQ. FOR LICENSURE/CERTIFICATION:	36 SEMESTER HOURS	
TOTAL HOURS FOR GRADUATION	137 SEMESTER HOURS	

SOCIOLOGY (SO)

The bachelors degrees in Sociology aspire to assist students in planning for their careers. The Bachelor of Art degree is for those who wish to pursue further graduate training. The Bachelor of Science degree is for those who wish to seek employment after graduation. The Department goals are aimed at: (1) enhancing the student’s understanding of human services settings through a broad knowledge base of applied and clinical areas of human behavior; (2) instilling an appreciation for the ethical principles governing the fields of psychology, social work, and counseling; (3) cultivating life-long learning through proficient use of technology and information; (4) developing reasoning and analytical skills; and (5) communicating effectively orally and in writing.

Bachelor of Arts - Sociology Major

MAJOR CODE: 45.1101A

Program components for the Bachelor of Arts degree with a major in Sociology include:

1. **APPLICABLE GENERAL UNIVERSITY REQUIREMENTS:**

To graduate, each student must:

- complete a minimum of 33 semester hours of the last 39 semester hours at ASU.
- complete 60 to 64 semester hours of upper level college/university credit (300-400 level courses).
- complete a minimum of 15 semester hours of upper (300/400) level coursework in his or her major at Athens State University, not including courses taken by consortium arrangement. School or departmental regulations may require more than 15 semester hours of coursework in the major at Athens State University.
- complete all course requirements for major(s).
- complete all course requirements for minor (if applicable).
- complete all of the general education requirements for the degree.
- attain an overall grade point average of 2.0, a 2.0 on all coursework attempted at Athens State University and at least a 2.0 in the major field. School or departmental regulations may require more than a 2.0 grade point average (see major requirements in each discipline).
- complete the total hour requirement as specified by the degree.
- complete the teacher certification requirements (if applicable).

EACH STUDENT MUST ASSUME RESPONSIBILITY FOR KNOWING THE ACADEMIC REQUIREMENTS FOR THE DEGREE THAT IS BEING PURSUED.

2. **GENERAL EDUCATION REQUIREMENTS:**

Area I. Written Composition 6 semester hours ___ __

Area II. Humanities/Fine Arts (12 semester hours)

At least one fine arts course 3 semester hours ___

At least one literature course 3 semester hours ___

Other Humanities/Fine Arts courses 6 semester hours ___ __

Area III. Mathematics and Natural Sciences (11 semester hours)

Finite Math or its equivalent required 3 semester hours ___

Natural Sciences (lab based) required 8 semester hours ___ __

Area IV. History/Behavioral and Social Sciences (12 semester hours)

At least one history course 3 semester hours ___

Other History/Behavioral or Social Science courses 9 semester hours ___ __ __

TOTAL GENERAL EDUCATION REQUIREMENTS 41 SEMESTER HOURS

3.	MAJOR PREREQUISITE COURSES (PRE-PROFESSIONAL)	
	CIS 146 Microcomputer Applications <u>or</u>	
	CIS 301 Problem Solving with Computers	3 semester hours ___
	Electives in Sociology	6 semester hours ___ ___
	General electives	14 semester hours ___ ___ ___
		___ ___
	TOTAL PRE-PROFESSIONAL HOURS:	23 SEMESTER HOURS
	TOTAL GEN. ED. REQ. & PRE-PROFESSIONAL HOURS:	64 SEMESTER HOURS
4.	PROFESSIONAL COURSES:	
	The following courses must be completed at the 300/400 level.	
	SO 312 Majority/Minority Group Relations	3 semester hours ___
	SO 314 Population Study	3 semester hours ___
	SO 341 Statistics with Advanced Topics in Behavioral Science	3 semester hours ___
	SO 342 Methods of Behavioral Science Research	3 semester hours ___
	SO 360 The Contemporary American Family	3 semester hours ___
	SO 361 Social Analysis	3 semester hours ___
	SO 362 Deviant Social Behavior	3 semester hours ___
	SO 460 Sociological Theories	3 semester hours ___
	SO 499 Thinking, Writing, and Speaking in the Behavioral Sciences	3 semester hours ___
	Electives in Sociology	9 semester hours ___ ___ ___
	TOTAL PROFESSIONAL HOURS:	36 SEMESTER HOURS
5.	A minor is required	18 semester hours
6.	GENERAL ELECTIVES	10 semester hours ___ ___ ___
7.	TOTAL HOURS FOR GRADUATION:	128 SEMESTER HOURS

Bachelor of Science - Sociology Major
MAJOR CODE: 45.1101B

Program components for the Bachelor of Science degree with a major in Sociology include:

1. **APPLICABLE GENERAL UNIVERSITY REQUIREMENTS:**

To graduate, each student must:

- complete a minimum of 33 semester hours of the last 39 semester hours at ASU.
- complete 60 to 64 semester hours of upper level college/university credit (300-400 level courses).
- complete a minimum of 15 semester hours of upper (300/400) level coursework in his or her major at Athens State University, not including courses taken by consortium arrangement. School or departmental regulations may require more than 15 semester hours of coursework in the major at Athens State University.
- complete all course requirements for major(s).
- complete all course requirements for minor (if applicable).
- complete all of the general education requirements for the degree.
- attain an overall grade point average of 2.0, a 2.0 on all coursework attempted at Athens State University and at least a 2.0 in the major field. School or departmental regulations may require more than a 2.0 grade point average (see major requirements in each discipline).
- complete the total hour requirement as specified by the degree.
- complete the teacher certification requirements (if applicable).

EACH STUDENT MUST ASSUME RESPONSIBILITY FOR KNOWING THE ACADEMIC REQUIREMENTS FOR THE DEGREE THAT IS BEING PURSUED.

2. **GENERAL EDUCATION REQUIREMENTS:**

Area I.	Written Composition	6 semester hours	__ __
Area II. Humanities/Fine Arts (12 semester hours)			
	At least one fine arts course	3 semester hours	__
	At least one literature course	3 semester hours	__
	Other Humanities/Fine Arts courses	6 semester hours	__ __
Area III. Mathematics and Natural Sciences (11 semester hours)			
	Finite Math or its equivalent required	3 semester hours	__
	Natural Sciences (lab based) required	8 semester hours	__ __
Area IV. History/Behavioral and Social Sciences (12 semester hours)			
	At least one history course	3 semester hours	__
	Other History/Behavioral or Social Science courses	9 semester hours	__ __ __
<u>TOTAL GENERAL EDUCATION REQUIREMENTS</u>		<u>41 SEMESTER HOURS</u>	

3. MAJOR PREREQUISITE COURSES (PRE-PROFESSIONAL)

The Sociology major must complete

CIS 146 Microcomputer Applications or CIS 301 Problem Solving with Computers	3 semester hours	___
Electives in Sociology	6 semester hours	___ ___
General electives	14 semester hours	___ ___ ___
.....		___ ___

TOTAL MAJOR PREREQUISITE HOURS: 23 SEMESTER HOURS

TOTAL GEN. ED. REQ. & MAJOR PREREQUISITE HOURS: 64 SEMESTER HOURS

4. PROFESSIONAL COURSES:

The following courses must be completed at the 300/400 level:

SO 312 Majority/Minority Group Relations	3 semester hours	___
SO 314 Population Study	3 semester hours	___
SO 341 Statistics with Advanced Topics in Behavioral Science	3 semester hours	___
SO 342 Methods of Behavioral Science Research	3 semester hours	___
SO 360 The Contemporary American Family	3 semester hours	___
SO 361 Social Analysis	3 semester hours	___
SO 362 Deviant Social Behavior	3 semester hours	___
SO 460 Sociological Theories	3 semester hours	___
SO 499 Thinking, Writing, and Speaking in the Behavioral Sciences	3 semester hours	___
Electives in Sociology	9 semester hours	___ ___ ___

TOTAL PROFESSIONAL HOURS: 36 SEMESTER HOURS

5. A minor is not required.

6. GENERAL ELECTIVES: 28 semester hours ___ ___ ___

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.....

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7. TOTAL HOURS FOR GRADUATION: 128 SEMESTER HOURS

The following minor can be obtained in the area of Sociology:

- Sociology

Course requirements for this minor can be found at the end of the College of Arts and Sciences section of the catalog.

COLLEGE OF ARTS AND SCIENCES MINORS

ART MINOR

(This minor is open to students in all majors. Please consult course descriptions for possible prerequisites.)

Art minors should notify a member of the art faculty of their intentions as soon as the art minor is declared. A minor in art consists of 18 semester hours of art coursework, including the following courses or their equivalent:

AR 312 Figure Drawing	3 semester hours	___
AR 423 History of Modern Art	3 semester hours	___
AR 424 Late Modern Art History	3 semester hours	___
AR 430 Advanced Drawing and Design or AR 410 Layout and Design	3 semester hours	___
Art electives	6 semester hours	___
TOTAL HOURS FOR MINOR	18 SEMESTER HOURS	

ART MINOR FOR ART MAJORS ONLY

AR 314 Watercolor III	3 semester hours	___
AR 317 Ceramic Sculpture	3 semester hours	___
AR 331 Photography II	3 semester hours	___
AR 343 Renaissance Art History	3 semester hours	___
*AR 401 Advanced Figure Drawing , *AR 313 Portrait Drawing or *6 hours of art electives in concentration areas	6 semester hours	___
TOTAL HOURS FOR MINOR	18 SEMESTER HOURS	

ART HISTORY MINOR

(This minor is open to students in all majors. Please consult course descriptions for possible prerequisites.)

The Art History minor will teach students to analyze the visual history, art theory, and art criticism of visual traditions in the world. A minor in Art History is particularly suited for students pursuing careers in art, art education, history, anthropology, archaeology, classics, English, foreign literature, cultural studies, international business, and arts administration. The study of art history improves a student's visual perception and enhances their critical understanding of human expression. Students learn to understand art within the contexts of time, place, religion, politics, philosophy, culture, technology, society, and gender. This minor is designed for completion entirely on-line in web-based education.

Stipulations for the art history minor:

- No more than one independent study course may count toward the minor in Art History.
- No more than two courses may be applied toward both this minor and a major or minor. By petition, two upper division courses with substantial art historical content and methodology applied toward the students' majors may also be applied toward this minor. These courses do not have to be in the distance learning (DL) format.
- Courses to be counted in the minor must be taken for a grade (may not be taken pass/fail).

AR 342 Art of the Ancient Americas	3 semester hours	___
AR 343 Renaissance Art History	3 semester hours	___
AR 421/RE 421 Sacred Art in History	3 semester hours	___
AR 423 History of Modern Art	3 semester hours	___
AR 424 Late Modern Art History	3 semester hours	___
AR 426 Critical Theories in Art	3 semester hours	___
TOTAL HOURS FOR MINOR	18 SEMESTER HOURS	

BEHAVIORAL SCIENCE MINOR

(This minor is open to students in all majors. Please consult course descriptions for possible prerequisites.)

Choose one from the following group: 3 semester hours ___

PS 352 Abnormal Behavioral
PS 304 Drugs and Behavior
PS 406 Physiological Psychology

Choose one from the following group: 3 semester hours ___

PS 331 Social Psychology
PS 332 Child Psychology
PS 402 Introduction to Clinical Psychology
SO 360 The Contemporary American Family
SO 471 Aging in a Mass Society

Required:

PS 334 Adolescent Psychology 3 semester hours ___
PS 335 Adult Psychology 3 semester hours ___
SO 362 Deviant Social Behavior 3 semester hours ___
SO 312 Majority/Minority Relations 3 semester hours ___

TOTAL HOURS FOR MINOR **18 SEMESTER HOURS**

BIOLOGY MINOR

(This minor is open to students in all majors. Please consult course descriptions for possible prerequisites.)

A minor requires completion of a minimum of 18 semester hours of biology coursework, including a minimum of 6 semester hours of upper division coursework which must be taken at Athens State University.

The minor must include the following courses or their approved equivalents:

Principles of Biology I, II 8 semester hours ___ ___

TOTAL HOURS FOR MINOR **18 SEMESTER HOURS**

CHEMISTRY MINOR

(This minor is open to students in all majors. Please consult course descriptions for possible prerequisites.)

A minor in Chemistry requires 20 semester hours of chemistry coursework including a minimum of 9 semester hours of upper division coursework which must be completed at Athens State University.

College Chemistry I, II or CH 303, 304, 305 8-9 semester hours ___ ___

CH 324 /CH 324L Analytical Chemistry 4 semester hours ___

Upper Level 300/400 Chemistry courses to be determined by Chemistry

Faculty Advisor 7-8 semester hours ___ ___

TOTAL HOURS FOR MINOR: **20 SEMESTER HOURS**

CHURCH FINANCE MINOR

(This minor is open to students in all majors. Please consult course descriptions for possible prerequisites.)

Choose one from the following group:

MG 303 Management Decision Support
MG 349 Human Resources Management
MG 353 Project Management
MG 375 Organizational Behavior and Team Building
MK 331 Principles of Marketing 3 semester hours ___

Required:

AC 300 Principles of Accounting 3 semester hours ___

EC 310 Modern Economics 3 semester hours ___

MG 350 Financial Management 3 semester hours ___

GBA311 Legal Environment of Business 3 semester hours ___

MG 346 Principles of Management and Leadership 3 semester hours ___

TOTAL HOURS FOR MINOR **18 SEMESTER HOURS**

COMPUTER INFORMATION SYSTEMS MINOR

(This minor is open to students in all majors. Please consult course descriptions for possible prerequisites.)

A minor in Computer Information Systems requires 21 semester hours distributed in the following way:

MA 308 Discrete Mathematics	3 semester hours	___
Introduction to Programming/Logic	3 semester hours	___
CS 317 Computer Science I (C++)	3 semester hours	___
CS 318 Computer Science II (C++)	3 semester hours	___
CIS 325 The Digital Enterprise	3 semester hours	___
CIS 365 Visual Application Development	3 semester hours	___
Computer Science or Computer Information Systems upper level elective	3 semester hours	___
TOTAL HOURS FOR MINOR:	21 SEMESTER HOURS	

COMPUTER NETWORKING MINOR

Students majoring in computer science or computer information systems may complete a minor in Computer Networking by completing 16 semester hours of CN courses. Students in other majors must complete the following additional courses:

MA 308 Discrete Mathematics	3 semester hours	___
Introduction to Programming/Logic	3 semester hours	___
CS 309 Introduction to Digital Logic Design	3 semester hours	___
CS 309L Introduction to Digital Logic Design Lab	1 semester hour	___
CS 317 Computer Science I (C++)	3 semester hours	___
CS 318 Computer Science II (C++)	3 semester hours	___
CS 340 introduction to Assembly Language	3 semester hours	___
CS 409 Computer Organization and Architecture	3 semester hours	___
CS 415 Operating Systems	3 semester hours	___
TOTAL ADDITIONAL COURSES	25 SEMESTER HOURS	

COMPUTER SCIENCE MINOR

(This minor is open to students in all majors. Please consult course descriptions for possible prerequisites.)

A minor in Computer Science requires 22 semester hours distributed in the following way:

MA 308 Discrete Mathematics	3 semester hours	___
Introduction to Programming/Logic	3 semester hours	___
CS 309 Introduction to Digital Logic Design	3 semester hours	___
CS 309L Digital Design Lab	1 semester hour	___
CS 317 Computer Science I (C++)	3 semester hours	___
CS 318 Computer Science II (C++)	3 semester hours	___
CS 372 Data Structures	3 semester hours	___
CS 472 Algorithm Analysis	3 semester hours	___
TOTAL HOURS FOR MINOR	22 SEMESTER HOURS	

DRAMA MINOR

(This minor is open to students in all majors. Please consult course descriptions for possible prerequisites.)

A minor in Drama consists of the following 18 semester hours:

EH 311 Drama Production	3 semester hours	___
EH 319 Technical Theatre	3 semester hours	___
EH 321 Set Design	3 semester hours	___
EH 323 Dramatic Interpretation	3 semester hours	___
EH 333 Acting	3 semester hours	___
EH 405 Playwriting	3 semester hours	___
TOTAL HOURS FOR MINOR	18 SEMESTER HOURS	

ENGLISH MINOR

(This minor is open to students in all majors. Please consult course descriptions for possible prerequisites.)

A minor in English consists of 21 semester hours of English coursework of which 12 semester hours must be taken at Athens State University including the following courses or their equivalents:

EH 312 Dramatic Literature	3 semester hours	___
EH 425 Shakespeare: The Sonnets and the Plays	3 semester hours	___
EH 431 Poetry and Poetics	3 semester hours	___
Choose from the following courses	12 semester hours	___ ___
EH 304 Southern Literature		___ ___
EH 307 Major Authors I		
EH 308 Major Authors II		
EH 314 Nineteenth Century British Studies		
EH 316 American Masterpieces		
EH 325 Myth: Ritual and Culture		
EH 330 Literary and Critical Theory		
EH 413 Composition for Teachers		
EH/RE 416 Interpreting the Text		
EH 433 Fiction		
EH 440 African-American Studies		
EH 450 Renaissance Literature 1550-1680		
EH 451 Restoration/Eighteenth Century		
EH 452 Chaucer and Medieval Literature		
EH 454 Young Adult Literature		
TOTAL HOURS FOR MINOR	21 SEMESTER HOURS	

GENDER AND MULTICULTURAL STUDIES MINOR

(This minor is open to students in all majors. Please consult course descriptions for possible prerequisites.)

PS/SO 301 Introduction to Gender and Multicultural Studies	3 semester hours	___
Choose one course from the Humanities section listed below	3 semester hours	___
Choose one course from the Social & Behavioral Sciences section listed below	3 semester hours	___
Choose one course from the Business section listed below	3 semester hours	___
Choose three additional courses from the Humanities; Social & Behavioral Sciences; or Business courses listed below	9 semester hours	___ ___ ___

Humanities

AR 423 History of Modern Art (3 semester hours)
AR 424 Late Modern Art History (3 semester hours)
EH 325 Myth: Ritual and Culture (3 semester hours)
EH 401 Conflict Management (3 semester hours)
EH/RE 416 Interpreting the Text (3 semester hours)
EH 440 African-American Studies (3 semester hours)
EL 320 Children's Literature (3 semester hours)
HU 330 Landmarks of Civilization (3 semester hours)
RE 301 Religions that Shaped the World (3 semester hours)
RE 312 History of Judaism (3 semester hours)
RE 314 History of Islam (3 semester hours)

Social and Behavioral Sciences

ED 312 Educating Teachers for Diversity (3 semester hours)
GO 309 North America and Europe (3 semester hours)
GO 310 South America, Africa and Asia (3 semester hours)
JS/SO 452 Advanced Criminology (3 semester hours)
PH/SO 300 Moral Values in Today's Society (3 semester hours)
PO/SO 351 American Public Policy/Political Sociology (3 semester hours)
PS 331 Social Psychology (3 semester hours)
SE 301 Introduction to Exceptional Learners (3 semester hours)
SO 312 Majority/Minority Group Relations (3 semester hours)
SO 360 Contemporary American Family (3 semester hours)

Business

- EC/GO 311 Economic Geography (3 semester hours)
- EC/PO 320 Introduction to International Commerce (3 semester hours)
- EC 348 Labor Economics (3 semester hours)
- MG 352 International Business (formerly Global Dimensions of Business) (3 semester hours)
- GBA/PS 368 Industrial and Personnel Psychology (3 semester hours)

TOTAL HOURS FOR MINOR 21 SEMESTER HOURS

NOTE: To fulfill the requirements for Gender and Multicultural Studies minor, students must take at least 15 semester hours that do not overlap with their major or another program of study.

GERONTOLOGY MINOR

(This minor is open to students in all majors. Please consult course descriptions for possible prerequisites.)

- GE 320 Nutrition 3 semester hours ___
- GE 320L Nutrition Lab 1 semester hour ___
- GE 335 Adult Psychology 3 semester hours ___
- GE 410 Physiology of Aging 3 semester hours ___
- GE 412 Aging Policy and Programs 3 semester hours ___
- GE 471 Aging in a Mass Society 3 semester hours ___
- GE 464 Practicum in Psychology/Sociology/Gerontology 3 semester hours ___

TOTAL HOURS FOR MINOR 19 SEMESTER HOURS

HISTORY MINOR

(This minor is open to students in all majors. Please consult course descriptions for possible prerequisites.)

History is an approved area of study for a minor. The student must complete at least 18 semester hours of history distributed as follows:

- American History 6 semester hours ___ ___
- European History 6 semester hours ___ ___
- Non-Western History 3 semester hours ___
- History Elective 3 semester hours ___

TOTAL HOURS FOR MINOR 18 SEMESTER HOURS

JUSTICE STUDIES MINOR

(This minor is open to students in all majors. Please consult course descriptions for possible prerequisites.)

A minor in Justice Studies requires the completion of eighteen semester hours of coursework to consist of the following:

- JS 301 Criminal Justice Process 3 semester hours ___
- JS 302 Criminal Law 3 semester hours ___
- JS 452 Advanced Criminology 3 semester hours ___
- Justice Studies electives 9 semester hours ___ ___ ___

TOTAL HOURS FOR MINOR 18 SEMESTER HOURS

MARINE SCIENCE MINOR

(This minor is open to students in all majors. Please consult course descriptions for possible prerequisites.)

A Marine Science minor requires completion of 18 semester hours of marine science and/or biology coursework, at least 12 semester hours of which must be taken at Dauphin Island Sea Lab.

The minor must include the following courses or their approved equivalents:

- Principles of Biology I, II 8 semester hours ___ ___

TOTAL HOURS FOR MINOR 18 SEMESTER HOURS

MATHEMATICS MINOR

(This minor is open to students in all majors. Please consult course descriptions for possible prerequisites.)

A minor in Mathematics requires 24 semester hours of mathematics including 9 semester hours of upper division coursework, at least 9 semester hours of which must be taken at Athens State University. The following courses must be included:

Calculus Sequence	12 semester hours	___	___	___
MA 310 Linear Algebra	3 semester hours	___		
MA 421 Differential Equations	3 semester hours	___		
Upper Division Mathematics Electives (Approved Mathematics courses above the calculus sequence)	6 semester hours	___	___	
TOTAL HOURS FOR MINOR	24 SEMESTER HOURS			

PHILOSOPHY MINOR

(This minor is open to students in all majors. Please consult course descriptions for possible prerequisites.)

Choose one from the following group:

PH 312 Logic				
PH 401 Skeptical, Critical, and Logical Thinking	3 semester hours	___		

Required:

PH 300 Moral Values in Today's Society	3 semester hours	___		
PH 321 History of Philosophy I	3 semester hours	___		
PH 322 History of Philosophy II	3 semester hours	___		
PH 325 Philosophy of Religion	3 semester hours	___		
Electives in the Humanities or Sciences	3 semester hours	___		
TOTAL HOURS FOR MINOR	18 SEMESTER HOURS			

PHYSICS MINOR

(This minor is open to students in all majors. Please consult course descriptions for possible prerequisites.)

A minor in Physics requires 24 semester hours of Physics coursework including 15 semester hours of upper division coursework, at least 9 semester hours of which must be taken at Athens State University. Strict adherence to course prerequisites must be observed.

The minor must include the following courses or their approved equivalents:

General Physics I, II (Calculus-based)	8 semester hours	___	___	
PY 303 Calculus Physics III (Modern Physics)	4 semester hours	___		
Upper level Physics courses to be approved by Physics Faculty Advisor	12 semester hours	___	___	___
TOTAL HOURS FOR MINOR	24 SEMESTER HOURS			

POLITICAL SCIENCE MINOR

(This minor is open to students in all majors. Please consult course descriptions for possible prerequisites.)

The student seeking a minor in political science should complete eighteen semester hours in political science coursework to include:

American National Government <u>or</u>				
PO 304 Problems of American Government	3 semester hours	___		
PO 303 Comparative State and Local Government <u>or</u>				
PO 305 Alabama Government	3 semester hours	___		
PO 308 America and the World <u>or</u>				
PO 453 International Relations	3 semester hours	___		
Political Science Electives	9 semester hours	___	___	___
TOTAL HOURS FOR MINOR	18 SEMESTER HOURS			

PSYCHOLOGY MINOR

(This minor is open to students in all majors. Please consult course descriptions for possible prerequisites.)

Students who desire a minor in psychology must complete the following courses:

PS 331 Social Psychology	3 semester hours	___
PS 420 Cognitive Psychology or PS 336 Psychology of Learning	3 semester hours	___
PS 332 Child Psychology or PS 334 Adolescent Psychology	3 semester hours	___
PS 352 Abnormal Psychology	3 semester hours	___
PS 406 Physiological Psychology	3 semester hours	___
Psychology Elective	3 semester hours	___
TOTAL HOURS FOR MINOR	18 SEMESTER HOURS	

RELIGION MINOR

(This minor is open to students in all majors. Please consult course descriptions for possible prerequisites.)

Nine semester hours in Religion and nine semester hours in Philosophy or Religion. ___ ___ ___ ___ ___

TOTAL HOURS FOR MINOR **18 SEMESTER HOURS**

Religion courses accepted from non-accredited schools will serve only as general electives, will not apply toward humanities or social science elective requirements, and will not apply toward the minor.

RELIGIOUS EDUCATION MINOR

RE 305 Survey of Religious Education	3 semester hours	___
*RE 405 Religious Education of Adults	3 semester hours	___
ER 310 Principles of Early Childhood Education	3 semester hours	___
RE 417 Senior Research Project in Religious Education	4 semester hours	___
**Elective in Education	6 semester hours	___ ___
TOTAL HOURS FOR MINOR	19 SEMESTER HOURS	

*Students who plan to work with children may substitute ER 350 Administering and Managing Early Childhood Programs for RE 405 Religious Education of Adults.

**Electives may not be selected from courses that require Teacher Education Program.

SOCIOLOGY MINOR

(This minor is open to students in all majors. Please consult course descriptions for possible prerequisites.)

A minor in Sociology requires the completion of eighteen semester hours of coursework to consist of the following:

SO 312 Majority/Minority Group Relations	3 semester hours	___
SO 362 Deviant Social Behavior	3 semester hours	___
SO 460 Sociological Theories	3 semester hours	___
Sociology Electives	9 semester hours	___ ___ ___
TOTAL HOURS FOR MINOR:	18 SEMESTER HOURS	