

SCHOOL OF ARTS AND SCIENCES

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Major or Minor	Department	B.A.	B.S.	Minor	Certificate
Art	Art	*		*	
Behavioral Science	Interdisciplinary		*	*	
Gender & Multicultural Stu.	Behavioral Science			*	
Gerontology	Behavioral Science			*	
Biology	Biology		*	*	
Chemistry	Chemistry		*	*	
Computer Information	Computer Science				
Systems Option			*	*	
Computer Networking	Computer Science			*	*
Computer Science	Computer Science		*	*	
English	English	*		*	
Health Science	Interdisciplinary		*		
History	History	*		*	
Instrumentation	Physics		*	*	
Instrumentation Physics Option	Physics		*		
Justice Studies	Government and Public Affairs		*	*	
Liberal Studies	Interdisciplinary		*		
Marine Science	Biology			*	
Mathematics	Mathematics		*	*	
Physics	Physics		*	*	
Political Science	Government and Public Affairs	*	*	*	
Psychology	Psychology	*	*	*	
Public Safety Administration	Government and Public Affairs		*		
Religion	Religious Studies	*		*	
Behavioral Science	Religious Studies			*	
Church Finance	Religious Studies			*	
Philosophy	Religious Studies			*	
Religious Education	Religious Studies			*	
Sociology	Sociology	*	*	*	

SCHOOL OF ARTS AND SCIENCES

Both the organization of the School of Arts and Sciences and information relative to degree options, majors, minors, and a certification program are summarized in the preceding chart. 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.

Certain School 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 School Dean, 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.

School of Arts and Sciences curricula are designed to prepare students for entry into the job market, or for continuing education in graduate or professional school. Through its course offerings, the School seeks to engage the intelligence, excite the imagination, and improve the scholarship of its students, and to assist its students to develop:

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

Majors leading to a Bachelor of Arts degree are sponsored by departments of Art, English, Government and Public Affairs, History, Psychology, Religious Studies, and Sociology. Majors leading to a Bachelor of Science degree are sponsored by departments of Biology, Chemistry, Computer Science, Government and Public Affairs, Instrumentation, Mathematics, Physics, Psychology, and Sociology. The departments 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. In cooperation with the School of Education, students majoring in Biology, Chemistry, History, Language Arts, Mathematics, Comprehensive Science, or Social Science may earn a Bachelor of Science in Education degree leading to Class B Certification in High School Education (see School of Education section of this catalog). In cooperation with the School of Business, the School sponsors an interdisciplinary major in Science Management leading to the Bachelor of Science degree. In cooperation with the School of Business or the School of Education, the School 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.

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

INTERDISCIPLINARY PROGRAMS

Pre-Law Program

Many Athens State University students express an interest in attending law school following graduation. Many students have frequently 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 and many others.

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. The 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 School 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 Government and Public Affairs in the School of Arts and Sciences - 233-8273. Students interested in choosing business as a prelaw major should contact the secretary in the School of Business - 233-8211. For further information call 1-800-522-0272 or (256) 233-8100 or refer to the Athens State University website: www.athens.edu.

Pre-Health Programs

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. Advisors work with students to plan individual academic programs according to the requirements of their chosen majors and to meet the general university requirements. In addition, students will incorporate the following courses that are required by most medical, dental, and optometry schools:

- 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)
- General physics with laboratory (8 semester hours)
- Mathematics (calculus recommended) (6 semester hours)

Most Athens State University pre-health professional students major in a scientific field such as:

- Biology
- Chemistry or
- Physics

However, it is not mandatory that you be a science major to be eligible for admittance to a professional school. It is only necessary that your program of study include the required courses for admittance to the professional school of choice. It is very important to consult with the pre-health professions advisor at Athens State University to determine specific admission requirements to the desired professional school. Competition for admission is very intense and students should realize that completion of only the admission requirements does not ensure acceptance. Professional schools look for students with outstanding academic skills, as well as students with diverse interests and a broad educational background. Successful applicants need a strong foundation in natural sciences, a solid framework in the humanities and social sciences, and excellent communication skills.

Students are encouraged to become active members of the Health and Science Careers Club. Informative speakers and camaraderie with fellow students with common interests and goals are a vital part of the university experience.

For additional information, students should contact the secretary in the School of Arts and Sciences - 233-8274.

ART (AR)

The Bachelor of Arts degree in Art at Athens State University certifies the completion of major study in the visual arts, which has been taken as an integral part of a general liberal arts degree program. The degree implies study in-depth of a number of studio and art history courses.

The self-growth of artists is a primary goal of this program. Preparation for graduate studies in visual arts for majors is another important aspect of this study. Each student will receive careful consideration of individual needs and conscientious direction in planning an appropriate avenue of study within the program. The senior majors exhibition culminates the study.

Additionally, the department offers enrichment courses for non-art majors, electives for the continued growth of artists, required art education courses and required humanities electives.

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 gen. ed. 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 at a minimum of 124 to a maximum of 128 semester hours.
- 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. **GEN. ED. 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 ___ ___ ___

TOTAL GEN. ED. REQUIREMENTS 41 semester hours

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

Art Minor

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 Required for a Minor	18 semester hours	

BEHAVIORAL SCIENCE

This program is designed for the student who ultimately aspires to work in the area of mental health, social work, counseling, or substance abuse. It provides students the flexibility of being able to enter the work force immediately upon graduation or to enter a master's degree program in counseling or social work. The program provides a solid foundation of the basic knowledge in psychology and sociology, and provides for a concentration of courses dealing with applied and clinical aspects of human services professions. The specific objectives of this degree are to:

- Provide a knowledge base of psychology including major theories and research findings.
- Teach a variety of clinical concepts and skills which will be useful in applied human services settings.
- Instill an appreciation for the ethical principles governing the fields of psychology, social work, and counseling.
- Assist the student either to locate degree related employment or to be admitted to an appropriate graduate program.

A departmental exit exam is required of all students completing a degree in behavioral science.

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. 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.
- 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 at a minimum of 124 to a maximum of 128 semester hours.
- 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. GEN. ED. 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 GEN. ED. REQUIREMENTS	41 semester hours		

3. **MAJOR PREREQUISITE COURSES (PRE-PROFESSIONAL):**
- | | | |
|---|--------------------------|-------------|
| Marriage and Family | 3 semester hours | ___ |
| General Psychology | 3 semester hours | ___ |
| CIS 146 Microcomputer Applications or
CIS 301 Problem Solving with Computers | 3 semester hours | ___ |
| Electives in Sociology or Psychology | 6 semester hours | ___ ___ |
| General electives | 8 semester hours | ___ ___ ___ |
| TOTAL MAJOR PREREQUISITE HOURS: | 23 SEMESTER HOURS | |
| TOTAL GEN. ED. REQUIREMENTS & 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 or
PS 334 Adolescent Psychology or
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 | ___ |
| Sociology Elective | 3 semester hours | ___ |
| TOTAL PROFESSIONAL HOURS: | 36 SEMESTER HOURS | |

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

6. **GENERAL ELECTIVES** **28 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**

Behavioral Science Minor

Choose one from the following group:

- | | | |
|---------------------------------------|------------------|-----|
| PS 352 Abnormal Behavioral | 3 semester hours | ___ |
| PS 304 Drugs and Behavior | 3 semester hours | ___ |
| PS 406 Physiological Psychology | 3 semester hours | ___ |

Choose one from the following group:

- | | | |
|--|------------------|-----|
| PS 331 Social Psychology | 3 semester hours | ___ |
| PS 332 Child Psychology | 3 semester hours | ___ |
| PS 402 Introduction to Clinical Psychology | 3 semester hours | ___ |
| SO 360 The Contemporary American Family | 3 semester hours | ___ |
| SO 471 Aging in a Mass Society | 3 semester hours | ___ |

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 | 18 semester hours | |

Gerontology Minor (Pending Approval)

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	19 semester hours	

Gender and Multicultural Studies Minor (Pending Approval)

PS/SO301 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 The Child in a Diverse Society (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 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.

BIOLOGY (BI)

The Department of Biology sponsors majors leading to the Bachelor of Science degree and to the Bachelor of Science in Education degree (See School of Education for degree requirements.) Biology and Marine Science minors also are offered.

Structured to prepare students for research and technical areas requiring a baccalaureate degree, the biology major also is designed to satisfy most graduate and/or professional school admission requirements. The objective of the major is to provide the graduate with a comprehensive science education, encompassing standard academic courses in biology, chemistry, mathematics, and computer science. Courses and programs are structured to provide basic coursework applicable to (1) fields requiring a general preparation in biology, (2) graduate and professional programs, (3) medical and related health fields, and (4) secondary school teaching.

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 gen. ed. 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 at a minimum of 124 to a maximum of 128 semester hours.
- 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. **GEN. ED. 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 GEN. ED. 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	4 semester hours	___
CIS 146 Microcomputer Applications or CIS 301 Problem Solving with Computers	3 semester hours	___
TOTAL MAJOR PREREQUISITE HOURS:	19-23 SEMESTER HOURS	
TOTAL GEN. ED. REQUIREMENTS & MAJOR PREREQUISITE HOURS: 60-64 SEMESTER HOURS		

4. **PROFESSIONAL COURSES:**

BI 301/BI301L Cell Structure and Function	4 semester hours	___
BI 302/BI302L Genetics	4 semester hours	___
BI 303/BI303L General Ecology	4 semester hours	___

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

Human Anatomy and Physiology I	4 semester hours	___
Human Anatomy and Physiology II	4 semester hours	___
General Microbiology	4 semester hours	___
BI 300/BI300L Microbes and You	4 semester hours	___
BI 311/BI311L Biodiversity of North Alabama	4 semester hours	___
BI 321 Conservation Biology	3 semester hours	___
BI 322 Human Genetics	3 semester hours	___
BI 323 Human Reproduction	3 semester hours	___
BI 341 Biogeography	3 semester hours	___
BI 342 Economic Botany	3 semester hours	___
BI 409 Biochemistry	3 semester hours	___
BI 411/BI411L Invertebrate Systematics and Morphology or BI 412/BI412L Invertebrate Development and Function	4 semester hours	___
BI 413/BI413L Vertebrate Biology or BI 414/BI414L 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 421 Field Vertebrate Zoology II: Ornithology and Mammalogy	4 semester hours	___
BI 423/BI423L Histology	4 semester hours	___
BI 424/BI424L Animal Physiology	4 semester hours	___
BI 425/BI425L Embryology	4 semester hours	___
BI 427/BI427L Parasitology	4 semester hours	___
BI 429/BI429L Immunology	4 semester hours	___
BI 431/BI431L Plant Systematics and Morphology or BI 432/BI432L Plant Development and Function	4 semester hours	___
BI 433 Population Biology	3 semester hours	___
BI 440 Biotechnology	3 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.

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 (BI409 or CH 409)

6. A minor is required. 18 semester hours
7. **GENERAL ELECTIVES** **16 semester hours** ___ ___ ___
 ___ ___
8. **TOTAL HOURS FOR GRADUATION** **124-128 SEMESTER HOURS**
9. **Pre-assessment and exit examinations:** To comply with Southern Association of Colleges and Schools (SACS) accreditation standards, the Department of Biology administers both pre-assessment and exit examinations to its majors. The examinations serve a four-fold purpose:
- (1) to assess preparedness for taking certain junior or senior level biology courses;
 - (2) to establish a benchmark for assessing knowledge gained as a result of completing the biology major at ASU;
 - (3) to assess preparedness for graduate study in biology or for admission to professional school; and
 - (4) to assess 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 examinations. The pre-assessment examination is designed to cover topics that usually are presented in an introductory biology sequence (e.g., a two semester sequence - Principles of Biology I, II) 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 examinations are designed to be completed in 60 minutes. The pre-assessment examination is administered during the first term of attendance at Athens State University; the exit examination is administered during the term at the end of which the major expects to graduate.

BIOLOGY MINOR

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 required for minor 18 semester hours

MARINE SCIENCE MINOR

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

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 | Coastal Climatology |
| Marine Botany | of Marine Fishes | Marine Aquaculture |
| Marine Geology | Introduction to Neurobiology | Coastal Zone Management |
| Marine Ecology | Marine Fish Diseases | Dolphins and Whales |
| Marine Vertebrate Zoology | Introduction to Oceanography | Marine Behavioral Ecology |

CHEMISTRY (CH)

The chemistry major may earn either the Bachelor of Science degree or the Bachelor of Science in Education degree (See School of Education for degree requirements.) The Bachelor of Science degree is sufficient preparation for a career in industrial or governmental chemistry laboratories and graduate study. The Bachelor of Science in Education degree prepares the student for high school teaching. With proper electives, the chemistry major also may enter graduate degree programs in law, medical or dental school, environmental sciences, and related fields.

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 gen. ed. 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 at a minimum of 124 to a maximum of 128 semester hours.
- 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. **GEN. ED. 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 ___

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 ___ ___ ___

TOTAL GEN. ED. REQUIREMENTS 41 semester hours

3. **MAJOR PREREQUISITE COURSES (PRE-PROFESSIONAL COURSES):**
- | | | |
|---|--------------------|-----|
| **Pre-Calculus Trigonometry | 3 semester hours | ___ |
| Calculus I | 4 semester hours | ___ |
| 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 | 0-3 semester hours | ___ |

**If Pre-calculus algebra (3 semester hours) is completed to satisfy the Area III mathematics requirement, the student should complete pre-calculus trigonometry (3 semester hours) in addition to pre-calculus algebra. Completion of pre-calculus 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: 23 semester hours
TOTAL GEN. ED. REQUIREMENTS & MAJOR PREREQUISITE HOURS: 64 semester hours

4. **PROFESSIONAL COURSES:**
- | | | | |
|---|------------------|-----|-----|
| CH 311, 312 Organic Chemistry I, II | 8 semester hours | ___ | ___ |
| CH 314 Polymer Science*** | 4 semester hours | ___ | ___ |
| CH 324 Analytical Chemistry | 4 semester hours | ___ | ___ |
| CH 330 Environmental Chemistry*** | 3 semester hours | ___ | ___ |
| CH 410 Instrumental Analysis | 3 semester hours | ___ | ___ |
| CH 410L Instrumental Analysis Lab or | | | |
| CH 461 Directed Study/Research in Chemistry | 1 semester hour | ___ | ___ |
| CH 420 Intermediate Inorganic Chemistry | 3 semester hours | ___ | ___ |
| CH 430 Physical Chemistry I | 5 semester hours | ___ | ___ |
| CH 431 Physical Chemistry II | 4 semester hours | ___ | ___ |
| CIS 301 Problem Solving with Computers | 3 semester hours | ___ | ___ |

***The major who plans to attend medical school or health related professional (e.g., veterinary, chiropractic, osteopathic, pharmacal) schools may substitute CH 413 Biochemistry for either CH 314 or CH 330.

TOTAL PROFESSIONAL HOURS: 38 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:** 26 semester hours ___ ___ ___ ___
 ___ ___ ___ ___

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

9. **Pre-assessment and Exit Examinations:** During the first term of enrollment at Athens State, the chemistry major must complete a pre-assessment examination. During the final term of enrollment at Athens State, the chemistry major must complete the major field achievement examination for chemistry.

Chemistry Minor

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 semester hours
CH 324 Analytical Chemistry	4 semester hours
Upper Level 300/400 Chemistry courses to be determined by Chemistry Faculty Advisor	8 semester hours
TOTAL HOURS REQUIRED FOR MINOR:	20 semester hours

COMPUTER SCIENCE (CS)

The Department of Computer Science sponsors courses of study leading to a Bachelor of Science degree with a major in Computer Science (CS) or with a major in Computer Science - Computer Information Systems (CIS) option. The Department also sponsors minors in both Computer Science and Computer Information Systems, and a computer networking (CN) certification program.

CS and CIS 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. To ensure up-to-date content, CS and CIS curricula are continually undergoing revision. Complementing the department's full-time faculty, several highly qualified, practicing, computer professionals serve as adjunct faculty. In addition to teaching, the adjunct faculty assist full-time faculty to revise courses and to design courses of study that are responsive to the dynamic external computer science environment—the demands of business, industry, government, and research organizations.

The CS curriculum is designed to prepare students for the job market and/or for graduate school. With regard to the student's immediate objective—to analyze problems and design software solutions as part of a software development team in industry, government, and/or a research organization, or to meet admission requirements of graduate programs in Computer Science—approved electives should be chosen carefully.

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 a data processing management team.

Comprised of eight courses (See Course Descriptions), the Computer Networking (CN) curriculum is approved by the National Association of Communication Systems Engineers (NACSE), a non-profit, vendor neutral association of Information Science and Information Technology professionals. 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 course textbooks are provided as a licensed package covering all topics leading to the NANS or the NSNS certification including Web based supplemental materials. WestNet products are not authorized for participation in buy-back, used textbook, sharing or redistribution programs.

Regarding work-based academic credit for CS and/or CIS courses, when the work experience has been evaluated and accepted as appropriate, a written examination covering the content area of the course(s) will be administered by the Department. If a passing grade is earned, academic credit will be awarded. Work-based academic credit will not be awarded for any CN course.

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 examination.

Computer Networking Minor

A student 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
CS 309 Introduction to Digital Logic Design	3 semester hours
CS 317 Computer Science I (C++)	3 semester hours
CS 318 Computer Science II (C++)	3 semester hours
CS 409 Computer Organization and Architecture	3 semester hours
CS 415 Computer System Software	3 semester hours
TOTAL ADDITIONAL COURSES	18 semester hours

Computer Science Minor

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

MA 308 Discrete Mathematics	3 semester hours
CS 309 Introduction to Digital Logic Design	3 semester hours
CS 309L Digital Design Lab	1 semester hour
CS 318 Computer Science II (C++)	3 semester hours
CS 372 Data Structures	3 semester hours
CS 409 Computer Organization and Architecture	3 semester hours
CS 414 Programming Language	3 semester hours
** Computer Science Elective	3 semester hours
TOTAL HOURS IN MINOR:	22 semester hours

The following CIS course may be taken for elective credit for a CS minor:

CIS 440. Other CIS courses will not apply toward a CS minor.

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 gen. ed. 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 at a minimum of 124 to a maximum of 128 semester hours.
- 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. **GEN. ED. 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) 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 GEN. ED. REQUIREMENTS 41 semester hours

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 | ___ |
| C++ | 3 semester hours | ___ |
| Computer Programming Class | 3 semester hours | ___ |
| General electives | 0-5 semester hours | ___ |

**If Pre-calculus algebra (3 semester hours) is completed to satisfy the Area III mathematics requirement, the student should complete pre-calculus trigonometry (3 semester hours) in addition to pre-calculus algebra. Completion of pre-calculus 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. REQUIREMENTS & 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 320 Modern Algebra | 3 semester hours | ___ |
| Two of the following: | 6 semester hours | ___ ___ |
| MA 316 Vector Analysis, | | |
| MA 421 Differential Equations, | | |
| MA 423 Numerical Analysis or | | |
| MA 430 Theory of Statistics and Probability I | | |
| 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 318 Computer Science II (C++) | 3 semester hours | ___ |
| CS 340 Assembly Language Programming | 3 semester hours | ___ |
| CS 372 Data Structures | 3 semester hours | ___ |
| CS 409 Computer Organization and Assembly Language Programming | 3 semester hours | ___ |
| CS 414 Programming Language | 3 semester hours | ___ |
| CS 415 Computer Systems Software | 3 semester hours | ___ |
| CS 417 Object Oriented Applications | 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 Data Structures and 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:**

The Department of Computer Science requires all CS majors to complete both an entrance and an exit examination. Used to place the student in the appropriate initial course in the CS or CIS curriculum, the **entrance examination** is developed by the Department: this examination will be graded locally and the results known immediately. Used to assess the CS and CIS programs of study, the **exit examination** is a nationally recognized and normed examination. For a CS major to graduate from Athens State University, the exit examination must be completed; however, the result of this examination is not a criterion for graduation.

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 gen. ed. 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 at a minimum of 124 to a maximum of 128 semester hours.
- 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. GEN. ED. 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 __

Economics (ECO 231 Principles of Economics) required 3 semester hours __

Other History/Behavioral or Social Science courses 6 semester hours __ __

TOTAL GEN. ED. REQUIREMENTS 41 semester hours

3.	MAJOR PREREQUISITE COURSES (PRE-PROFESSIONAL)	
	Business Calculus	3 semester hours ___
	Principles of Accounting	3 semester hours ___
	Business Statistics	3 semester hours ___
	Intro to Computer Science	3 semester hours ___
	Microcomputer Applications	3 semester hours ___
	C++ Programming	3 semester hours ___
	Computer Programming Course	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:	
	FIN 350 Managerial Finance	3 semester hours ___
	MG 346 Principles of Management	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 309L Digital Logic Design Lab	1 semester hour ___
	CS 318 Computer Science II (C++)	3 semester hours ___
	CIS 325 Decision Support Systems	3 semester hours ___
	CIS 365 Visual Application Development	3 semester hours ___
	CS 372 Data Structures	3 semester hours ___
	CS 417 Object Oriented Applications	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 Software Engineering Project	3 semester hours ___
	CS 452L 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:**

The Department of Computer Science requires all CS majors to complete both an entrance and an exit examination. Used to place the student in the appropriate initial course in the CS or CIS curriculum, the **entrance examination** is developed by the Department: this examination will be graded locally and the results known immediately. Used to assess the CS and CIS programs of study, the **exit examination** is a nationally recognized and normed examination. For a CS major to graduate from Athens State University, the exit examination must be completed; however, the result of this examination is not a criterion for graduation.

Computer Information Systems Minor

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

MA 308 Discrete Mathematics	3 semester hours
CS 317 Computer Science I (C++)	3 semester hours
CS 318 Computer Science II (C++)	3 semester hours
CIS 325 Decision Support Systems	3 semester hours
CIS 365 Visual Application Development	3 semester hours
Computer Science or Computer Information Systems electives	6 semester hours
TOTAL HOURS IN MINOR:	21 semester hours

ENGLISH (EH)

English as an academic field encompasses both theory and practice in the reading and interpreting of literature as well as in written and oral communication. All courses are designed to engage the intelligence, excite the imagination, improve scholarship, and increase the enjoyment of literature and language. Appropriate transferred courses may be substituted, when so evaluated, for listed courses. A Bachelor of Science in Education degree is offered in Language Arts (See School of Education for degree requirements).

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 gen. ed. 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 at a minimum of 124 to a maximum of 128 semester hours.
- 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. **GEN. ED. 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 GEN. ED. 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. REQUIREMENTS & 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 ___

 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/RE 416 Interpreting the Text
- EH 440 African-American Studies
- EH 450 Renaissance Literature 1550-1680
- EH 451 Restoration/Eighteenth Century

TOTAL PROFESSIONAL HOURS: 39 SEMESTER HOURS

5. A minor is required. 18 Semester Hours
6. All B.A. English majors must take an exit exam before graduation. Please see your English advisor to set up a date/time.
7. **GENERAL ELECTIVES 7 Semester Hours** ___ ___ ___
8. **TOTAL HOURS FOR GRADUATION: 124-128 SEMESTER HOURS**

English Minor

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 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

TOTAL 21 semester hours

HEALTH SCIENCE

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 gen. ed. 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 at a minimum of 124 to a maximum of 128 semester hours.
- 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. **GEN. ED. 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 GEN. ED. REQUIREMENTS 41 semester hours

3. **MAJOR PREREQUISITE COURSES (PRE-PROFESSIONAL)**
 CIS 146 Microcomputer Applications or CS 301 Problem Solving With Computers 3 semester hours ___
 Legal Environment of Business 3 semester hours ___
 General Electives 17 semester hours ___ ___ ___
 ___ ___ ___

TOTAL MAJOR PREREQUISITE HOURS: 19-23 semester hours

TOTAL GEN. ED. REQUIREMENTS & 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 dental hygiene, medical records, medical technology, health physics, or animal health technology. Professional course requirements for the major may be satisfied by completion of Area V and Professional Course requirements indicated for one of the following Bachelor of Science in Education degree programs: Biology, Chemistry, Comprehensive Science, or Mathematics. Otherwise, professional course requirements may be satisfied by completion of a minimum of 24 semester hours of Faculty Advisor approved coursework from one of the following departments: Biology, Chemistry, Physics, Mathematics, Computer Science. The student seeking a position involving supervision of personnel may wish to consider the following management option:

- MG 320 Organizational Communication and Leadership 3 semester hours ___
 MG 346 Principles of Management 3 semester hours ___
 MG 349 Human Resource Management 3 semester hours ___
 MG 375 Organizational Behavior 3 semester hours ___
 PS 368 Industrial and Personnel Psychology 3 semester hours ___
 SO 304 Sociology of Work **or**
 Faculty Advisor approved School of Business elective 3 semester hours ___
 Electives 6 semester hours ___ ___

TOTAL PROFESSIONAL HOURS: 24 SEMESTER HOURS

5. A minor is not required.

6. **GENERALELECTIVES 40 Semester Hours** ___ ___ ___ ___
 ___ ___ ___ ___

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

HISTORY (HY)

The history faculty seek to develop in its students an appreciation of our cultural heritage, an understanding of the world in which we live, and an awareness of the future. It strives to develop in its majors the research abilities necessary for graduate work. Through courses of interest to the non-major; it makes the student aware of the cultural legacy from Europe, England, and the United States and affords an opportunity to study other areas of the world.

Bachelor of Arts - History Major

MAJOR CODE: 45.0801

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 gen. ed. 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 at a minimum of 124 to a maximum of 128 semester hours.
- 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. **GEN. ED. 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 GEN. ED. REQUIREMENTS 41 semester hours

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

The history major should complete a second 6 semester hour sequence in history in addition to the history sequence satisfying the Area IV requirement. For example, the student taking 6 semester hours of World History under Area IV, also should complete a 6 semester hour sequence in History of Western Civilization or a 6 semester hour sequence in United States History. (In addition to Area IV)

History. (In addition to Area IV)	6 semester hours	___	___
Electives in History	6 semester hours	___	___
CIS 146 Microcomputer Applications or CIS 301 Problem Solving with Computers	3 semester hours	___	
Free Electives	9 semester hours	___	___
TOTAL MAJOR PREREQUISITE HOURS:	19-23 semester hours		

TOTAL GEN. ED. REQUIREMENTS & MAJOR PREREQUISITE HOURS: 60-64 semester hours

4. **PROFESSIONAL COURSES:**

300 and 400 level courses:

HY 300 Historiography	3 semester hours	___	
American History	12 semester hours	___	___
European History	12 semester hours	___	___
Non-Western History	6 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. **GENERALELECTIVES** **12 Semester Hours** ___ ___ ___

8. **TOTAL HOURS FOR GRADUATION** **124-128 semester hours**

HISTORY MINOR

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	18 semester hours

INSTRUMENTATION (IT)

The Instrumentation program prepares graduates for careers as instrumentation technologists in such diverse areas as data acquisition, process control, system integration, installation, and repair for laboratories and medical facilities, as well as for industries such as power generation, chemical processing, pulp and paper processing, electronic fabrication, and heavy manufacturing.

The program is intended as a terminal degree program for students who do not intend to pursue an education beyond the baccalaureate level. A student who wishes to pursue a program which offers a greater level of preparation and which serves as an entry point for graduate study should consider the Bachelor of Science in Physics or Instrumentation Physics.

Bachelor of Science - Instrumentation Major

MAJOR CODE: 41.9999

Program components for the Bachelor of Science degree with a major in Instrumentation 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 gen. ed. 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 at a minimum of 124 to a maximum of 128 semester hours.
- 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. **GEN. ED. 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 & Trigonometry 3-4 semester hours ___

General Physics I (Calculus based) 4 semester hours ___

General Physics II (Calculus based) 4 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 GEN. ED. REQUIREMENTS **41 semester hours**

3. **MAJOR PREREQUISITE COURSES (PRE-PROFESSIONAL)**
 Calculus I 4 semester hours ___
 General electives (Should be fulfilled by completion of 19-20 semester hours ___ ___ ___
 introductory electronics courses (e.g., AC and DC circuits, semiconductor
 electronics, analog electronics, digital electronics, microprocessors, trouble shooting and repair). ___ ___ ___
- TOTAL MAJOR PREREQUISITE COURSES: 23-24 semester hours**
TOTAL GEN. ED. REQUIREMENTS & MAJOR PREREQUISITE HOURS: 60-64 Semester hours
4. **PROFESSIONAL COURSES:**
 MA 304 Calculus II 3 semester hours ___
 CIS 301 Problem Solving With Computers 3 semester hours ___
 CH 301 Introductory Chemistry 3 semester hours ___
 PY 303 Calculus Physics III (Modern Physics) 4 semester hours ___
 IT 306 Interfacing Techniques 4 semester hours ___
 IT 316 Applied Digital Design 4 semester hours ___
 IT 320 Math Methods for Instrumentation 4 semester hours ___
 IT 400 Advanced Analog Instrumentation 4 semester hours ___
 IT 401 Applied Data Communications 4 semester hours ___
 IT 420 Electro-Optics 4 semester hours ___
 IT 425 Introduction to Robotics 4 semester hours ___
 IT 440 Process Control Instrumentation 4 semester hours ___
 IT 441 Computer Instrumentation 4 semester hours ___
 Electives (Faculty Advisor approved courses in instrumentation, physics,
 mathematics or computer science) 8 semester hours ___ ___
TOTAL PROFESSIONAL HOURS: 57 SEMESTER HOURS
5. The Instrumentation major must complete a minimum of 15 semester hours of upper division 300/400 level instrumenta-
 tion coursework at Athens State University.
6. A minor is **not** required.
7. **GENERAL ELECTIVES 7 semester hours ___ ___**
8. **TOTAL HOURS FOR GRADUATION 124-128 semester hours**

Instrumentation Minor

The minor must include the following courses or their approved equivalents of which at least 9 semester hours must be taken at Athens State University.

Introductory Level Electronics Courses (Should include background in AC and DC Circuits, Semiconductor Electronics, Analog and Digital Electronics, Microprocessors, and Troubleshooting)	15 semester hours
Calculus I, II (MA 303, 304)	8 semester hours
IT 306 Interfacing Techniques	4 semester hours
IT 316 Applied Digital Design	4 semester hours
IT Electives	8 semester hours
Total:	39 semester hours

JUSTICE STUDIES (JS)

The Justice Studies program enhances student opportunities in the criminal justice field. These opportunities include professional roles in law enforcement and correctional administration, security positions in private industry, judicial administration, and probation and parole.

Students pursuing degrees in Justice Studies will be able to apply knowledge attained about criminal law and processes, theoretical concepts of crime causation and control, and will acquire competency in understanding research regarding management practices and policymaking within criminal justice agencies. Justice Studies students will have the opportunity to apply technical knowledge of criminal justice, and research skills in an internship which allows for varied learning experiences in actual agency settings.

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 gen. ed. 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 at a minimum of 124 to a maximum of 128 semester hours.
- 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. **GEN. ED. REQUIREMENTS (Curriculum Core Areas I-IV):**

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	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	__ __ __

TOTAL GEN. ED. REQUIREMENTS 41 semester hours

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: 19-23 semester hours

TOTAL GEN. ED. REQUIREMENTS & MAJOR PREREQUISITE HOURS: . 60-64 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 3 semester hours ___
MG/PSA/PO 377 Public Administration 3 semester hours ___
JS/PO/PSA 455 Public Administration Ethics 3 semester hours ___
JS/PSA 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/PSA coursework must be completed at Athens State University.

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

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

TOTAL HOURS FOR GRADUATION 124-128 semester hours

Justice Studies Minor

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 18 semester hours

LIBERAL STUDIES

The Liberal Studies program is designed to benefit students who seek progression and mobility in their educational and career goals. The program provides maximum flexibility in course selection while allowing the student to concentrate on subject matter of particular relevance.

The Liberal Studies program also is intended for those students who wish to enrich and satisfy their personal goals through non-specialized collegiate study.

While no specified major courses are required, the student must comply with all requirements for the Bachelor of Science degree and applicable university requirements (See General University Requirements).

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

- (a) A minor is not permitted in the Liberal Studies program.
- (b) Liberal Studies may not be considered as a minor to any other degree program.
- (c) Liberal Studies may not be considered as a second major with any other degree program.
- (d) 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.
- (e) The Bachelor of Science in Liberal Studies degree will not be awarded concurrently with any other major.

Bachelor of Science in Liberal Studies 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 gen. ed. 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 at a minimum of 124 to a maximum of 128 semester hours.
- 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. GEN. ED. REQUIREMENTS (Curriculum Core Areas I-IV):

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	__
Area III.	Mathematics and Natural Sciences (11 semester hours)		
	Finite Math or its equivalent	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	__ __ __

TOTAL GEN. ED. REQUIREMENTS 41 semester hours

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

CIS 146 Microcomputer Applications or
CIS 301 Problem Solving with Computers 3 semester hours ___
General Electives 19-20 semester hours

TOTAL PREPROFESSIONAL HOURS 20-23 SEMESTER HOURS

TOTAL GEN. ED. REQUIREMENTS & PREPROFESSIONAL HOURS 60-64 SEMESTER HOURS

4. **PROFESSIONAL COURSES:**

General electives at the 300 and 400 level 64 semester hours

5. **TOTAL HOURS FOR DEGREE 124-128 SEMESTER HOURS**

MATHEMATICS (MA)

The Department of Mathematics offers majors leading to the Bachelor of Science and the Bachelor of Science in Education (See School of Education for degree requirements) degrees which will prepare the graduate for scientific endeavors requiring detailed and exact scientific analysis, or for a rewarding career as a high school and/or middle school mathematics teacher. A mathematics major combined with a Computer Science minor will open many career opportunities for the graduate.

Bachelor of Science - Mathematics Major 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 gen. ed. 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 at a minimum of 124 to a maximum of 128 semester hours.
- 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. **GEN. ED. REQUIREMENTS (Curriculum Core - Areas I-IV):**

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 and Calculus Based Physics II	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	__ __ __
TOTAL GEN. ED. 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 | ___ |
| Pre-Calculus 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. REQUIREMENTS & MAJOR PREREQUISITE HOURS: | 60-64 Semester hours | |

4. **PROFESSIONAL COURSES:**
- | | | |
|--|--------------------------|-----------------|
| MA 308 Discrete Mathematics | 3 semester hours | ___ |
| MA 310 Matrices and Linear Algebra | 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 | ___ |
| Plus four mathematics electives from the following: | 12 semester hours | ___ ___ ___ ___ |
| ** MA 314 College Geometry | | |
| MA 316 Vector Analysis | | |
| * MA 401 Complex Analysis | | |
| MA 423 Numerical Analysis | | |
| MA 428 Partial Differential Equations | | |
| MA 331 Applied Statistics and Probability I | | |
| MA 431 Applied Statistics and Probability II | | |
| ** 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 | | |
| Computer Programming Language Sequence (preferably CS 317, CS 318) | 6 semester hours | ___ ___ |
| TOTAL PROFESSIONAL HOURS: | 33 semester hours | |

*Recommended if planning to attend graduate school.

**Must be approved by Chair of the Department of Mathematics.

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 Faculty Advisor approved minor is required. **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, an assessment exam will be administered by the instructor. The exit exam is administered by the Coordinator of Testing; the student should contact this office for policies, procedures, and times for the 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 exit exam covers algebra, trigonometry, the calculus sequence, modern algebra, linear algebra, and differential equations.

Mathematics Minor

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 I, II, III, IV (MA 303, 304, 305, 306)	12 semester hours
Linear Algebra (MA 310)	3 semester hours
MA 421 Differential Equations	3 semester hours
Upper Division Electives (Above MA 306)	6 semester hours
Total	24 semester hours

PHYSICS (PY)

The Physics program prepares the graduate for a career as a research laboratory physicist, for entry into a number of related fields including engineering, medicine, medical research, geology/geophysics, instrumentation, and for graduate degree programs in physics and related disciplines. The five options in the Physics program (general, instrumentation, mathematics, chemistry, and computer science) allow students to customize their curriculum to specific career or graduate degree goals.

Bachelor of Science - Physics (All Options)

MAJOR CODE: 40.0801

Program components for a Bachelor of Science degree with a major in Physics 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 fifteen 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 fifteen 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.
- 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 at a minimum of 124 to a maximum of 128 semester hours.
- 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. GEN. ED. 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	3-4 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	__	__
TOTAL GEN. ED. REQUIREMENTS		41 semester hours		

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

**Pre-calculus Trigonometry	3 semester hours	___
General Physics I (Calculus based)	4 semester hours	___
General Physics II (Calculus based)	4 semester hours	___
Calculus I	4 semester hours	___
Calculus II	4 semester hours	___
Calculus III	4 semester hours	___
Electives	0-3 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: 23 SEMESTER HOURS
TOTAL GEN. ED. REQUIREMENTS & MAJOR PREREQUISITE HOURS: 64 SEMESTER HOURS

4. **PROFESSIONAL COURSES:**

PHYSICS PROGRAM CORE:

MA 310 Matrices and Linear Algebra	3 semester hours	___
MA 421 Differential Equations	3 semester hours	___
PY 303 Calculus Physics III (Modern Physics)	4 semester hours	___
PY 306 Thermal Physics	4 semester hours	___
PY 309, 310 Mechanics I, II	6 semester hours	___ ___
PY 312, 412 Electricity and Magnetism I, II	6 semester hours	___ ___
PY 415 Intermediate Quantum Physics I	3 semester hours	___
CIS 301 Problem Solving with Computers	3 semester hours	___
Total Required Physics Core	32 semester hours	

General Physics Option:

Upper Level Math Electives (MA 316, MA 401, or MA 428)	3 semester hours	___
PY 344 Principles of Optics	4 semester hours	___
PY 435 Senior Laboratory	3 semester hours	___
Upper level 300/400 Physics electives	6 semester hours	___ ___

Instrumentation Option:

IT 306 Interfacing Techniques	4 semester hours	___
IT 316 Applied Digital Design	4 semester hours	___
IT 425 Introduction to Robotics	4 semester hours	___
IT 440 Process Control Instrumentation	4 semester hours	___
Upper level 300/400 Instrumentation or Physics electives	6 semester hours	___ ___

Mathematics Option:

(Five mathematic electives from the following:)

MA 316 Vector Analysis	3 semester hours	___
MA 330 Advanced Mathematical Software	3 semester hours	___
MA 401 Complex Analysis	3 semester hours	___
MA 423 Numerical Analysis	3 semester hours	___
MA 428 Partial Differential Equations	3 semester hours	___
MA 445 Mathematical Modeling and Simulation	3 semester hours	___

Chemistry Option:

CH 311, 312 Organic Chemistry I, II	8 semester hours	___ ___
CH 324 Analytical Chemistry	4 semester hours	___
CH 410 Instrumental Analysis	4 semester hours	___
CH 410L Instrumental Analysis Lab		
CH 420 Intermediate Inorganic Chemistry	3 semester hours	___

Computer Science Option:

MA 308 Discrete Math	3 semester hours	___
CS 317, 318 Computer Science I and II (or)		
two high level computer language courses	6 semester hours	___ ___
CS 372 Data Structures	3 semester hours	___
Two computer science electives from the following six courses:	6-7 semester hours	___ ___
CS 309 Introduction to Digital Logic		
CS 409 Computer Architecture		
CS 414 Programming Languages		
CS 415 Operating Systems		
CS 417 Object Oriented Programming		
CS 472 Algorithm Analysis		

TOTAL PHYSICS OPTION HOURS: 15-20 SEMESTER HOURS

TOTAL PROFESSIONAL HOURS: 44-49 SEMESTER HOURS

- 4. The Physics major must complete a minimum of 15 semester hours of upper division 300/400 level physics coursework at Athens State University.
- 5. A minor is **not** required. However, the General Physics major is encouraged to complete a minor in Mathematics (see Mathematics program requirements.)

GENERAL ELECTIVES 12-17 SEMESTER HOURS

TOTAL HOURS FOR GRADUATION: 128 SEMESTER HOURS

Physics Minor

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 with Calculus I, II	8 semester hours
PY 303 Calculus Physics III (Modern Physics)	4 semester hours
Upper level Physics courses to be determined by Physics Faculty Advisor	12 semester hours
Total	24 semester hours

POLITICAL SCIENCE (PO)

Political Science prepares students for careers in law, teaching, and public administration. The Bachelor of Arts degree requires a minor in another field. The Bachelor of Science degree does not require a minor. Scholarships are available to qualified students majoring in Political Science.

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 major(s).
- complete all course requirements for minor (if applicable).
- complete all of the gen. ed. 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 at a minimum of 124 to a maximum of 128 semester hours.
- 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. **GEN. ED. 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 GEN. ED. REQUIREMENTS 41 semester hours

3. **MAJOR PREREQUISITE COURSES (PRE-PROFESSIONAL)**
 Western Civilization 3 semester hours ___
 American National Government **or**
 PO 304 Problems of American Government 3 semester hours ___
 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 8 semester hours ___ ___
TOTAL MAJOR PREREQUISITE HOURS: 19-23 semester hours
- TOTAL GEN. ED. REQUIREMENTS & 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/Political Sociology 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/PSA 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** **124-128 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 major(s).
- complete all course requirements for minor (if applicable).
- complete all of the gen. ed. 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 at a minimum of 124 to a maximum of 128 semester hours.
- 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. **GEN. ED. 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 GEN. ED. REQUIREMENTS 41 semester hours

3. **MAJOR PREREQUISITE COURSES (PRE-PROFESSIONAL)**
 Western Civilization 3 semester hours ___
 American National Government **or**
 PO 304 Problems of American Government 3 semester hours ___
 State and Local Government **or**
 Introduction to Computer Science (CS 146 or CS 301) 3 semester hours ___
 Foreign National Government 3 semester hours ___
 CIS 146 Microcomputer Applications **or**
 CIS 301 Problem Solving with Computers 3 semester hours ___
 General electives 6 semester hours ___ ___
TOTAL MAJOR PREREQUISITE HOURS: 19-23 semester hours

TOTAL GEN. ED. REQUIREMENTS & 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/Political Sociology 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/PSA 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** **124-128 SEMESTER HOURS**

Political Science Minor

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

- American National Government **or**
 PO 304 Problems of American Government 3 semester hours
 PO 303 Comparative State and Local Government **or** PO 305 Alabama Government 3 semester hours
 PO 308 America and the World **or** PO 453 International Relations 3 semester hours
 Political Science Electives 9 semester hours
Total **18 semester hours**

PSYCHOLOGY (PS)

Students in psychology are offered a wide variety of courses designed to provide the basic knowledge and skills which are considered to be the basic foundation of the field of psychology.

Students entering the program will be assigned a Faculty Advisor during the first term. The student may consult the list posted outside the departmental office to determine his/her Faculty Advisor. The student should then meet his/her Faculty Advisor as soon as possible to review requirements of his/her chosen major.

During the last term, the student will be required to take an exit examination in psychology. At the present time, no passing score is required, but the student is encouraged to do as well as possible to help determine how much they have gained from their program of study.

Bachelor of Arts - Psychology Major MAJOR CODE: 42.0101A

This program is designed for the student who ultimately wants to earn an advanced graduate degree in psychology. The program emphasizes high academic achievement and mastery of research methodology, which should prepare the student for high scores on the GRE and admission to nationally recognized graduate programs in psychology. Before admission to this degree program, the student must have completed pre-calculus algebra (or a higher level math course). After admission, the student is encouraged to take statistics and experimental psychology as soon as possible and then participate in a supervised research project. The specific objectives of this degree are to

- provide a knowledge base of psychology including major theories and research findings.
- teach a variety of statistical, methodological, and critical thinking skills which are needed for psychological research.
- instill an appreciation for the ethical principles governing the field of psychology.
- help the student achieve the highest possible score on the Graduate Record Examination.
- assist the student with application to nationally recognized graduate programs in psychology.

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 gen. ed. 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 at a minimum of 124 to a maximum of 128 semester hours.
- 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. **GEN. ED. 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 GEN. ED. REQUIREMENTS		41 semester hours		

3.	MAJOR PREREQUISITE COURSES (PRE-PROFESSIONAL)	
	General Psychology	3 semester hours ___
	CIS 146 Microcomputer Applications or 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. REQUIREMENTS & 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 or PS 334 Adolescent Psychology	3 semester hours ___
	PS 336 Psychology of Learning or 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 Experimental Psychology	4 semester hours ___
	PS 406 Physiological Psychology	3 semester hours ___
	PS 420 Cognitive Psychology	3 semester hours ___
	Faculty Advisor approved Psychology electives	12 semester hours ___ ___ ___
	TOTAL PROFESSIONAL HOURS:	37 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	9 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

This program is designed for the student who wants to major in psychology and have the freedom to select a broad range of electives. It provides a strong foundation in psychology and a solid general education background. The specific objectives of this degree program are to:

- provide a knowledge base of psychology including major theories and research findings.
- teach a variety of clinical skills which will be useful in applied settings.
- instill an appreciation for the ethical principles governing the field of psychology.

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 gen. ed. 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 at a minimum of 124 to a maximum of 128 semester hours.
- 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. **GEN. ED. 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 GEN. ED. REQUIREMENTS		41 semester hours	

3. **MAJOR PREREQUISITE COURSES (PRE-PROFESSIONAL)**
- | | | |
|---|--------------------------|-------------|
| General Psychology | 3 semester hours | ___ |
| CIS 146 Microcomputer Applications or
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. REQUIREMENTS & 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 or PS 334 Adolescent Psychology | 3 semester hours | ___ |
| PS 336 Psychology of Learning or
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 Experimental Psychology | 4 semester hours | ___ |
| PS 420 Cognitive Psychology | 3 semester hours | ___ |
| PS 406 Physiological Psychology | 3 semester hours | ___ |
| Faculty Advisor approved Psychology electives | 12 semester hours | ___ ___ ___ |
| TOTAL PROFESSIONAL HOURS: | 37 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** 27 semester hours ___ ___ ___
___ ___ ___
8. **TOTAL HOURS FOR GRADUATION:** 128 SEMESTER HOURS

Psychology Minor

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

General Psychology	Prerequisite
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	18 semester hours

Bachelor of Science - Public Safety Administration Major

MAJOR CODE: 43.0201

Program components of the Bachelor of Science degree with a major in Public Safety 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 gen. ed. 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 at a minimum of 124 to a maximum of 128 semester hours.
- 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. **GEN. ED. 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 GEN. ED. REQUIREMENTS 41 semester hours

3. **MAJOR PREREQUISITE COURSES (PRE-PROFESSIONAL)**
The Public Safety 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,
 Fire Services Management (FCS), Criminal Justice (CJ), Emergency
 Medical Services (EMS), or Water Quality Management. 20 semester hours ___ ___ ___ ___
TOTAL MAJOR PREREQUISITE HOURS: 19-23 semester hours
TOTAL GEN. ED. REQUIREMENTS AND 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 342 Methods of Behavioral Science Research 3 semester hours ___
 MG/PSA 349 Human Resources Management **OR**
 PSA 380 Public Finance 3 semester hours ___
 PSA 350 Introduction to the American Legal System 3 semester hours ___
 PSA 375 Organizational Behavior 3 semester hours ___
 PSA 377 Public Administration 3 semester hours ___
 PSA 446 Organizational Behavior 3 semester hours ___
 PSA 455 Public Administration Ethics 3 semester hours ___
 PSA 465 Senior Research Project 4 semester hours ___
 PSA/JS/PO/MG Electives (approved by Faculty Advisor) 6 semester hours ___ ___
TOTAL PROFESSIONAL HOURS: 37 semester hours
5. A minimum of 27 semester hours of upper division JS/PO/PSA coursework must be completed at Athens State University.
6. A minor **is not** required.
7. **GENERAL ELECTIVES 27 Semester Hours** ___ ___ ___ ___
 ___ ___ ___ ___
8. **TOTAL HOURS FOR GRADUATION: 124-128 semester hours**

PUBLIC SAFETY ADMINISTRATION EXTRA-INSTITUTIONAL CREDIT

Students majoring in Public Safety 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 field and/or work experience in a public safety 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 in which the students' credentials are assessed and appropriate credits awarded. 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) credits, and for submitting to their Public Safety 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 must register for this coursework prior to their last term registration.

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

PSA 459D Public Safety Supervisor
 Must provide a letter of appointment from agency

PSA 460D Public Safety Manager/Administrator
 Must provide a letter of appointment from agency

PSA 461D Paramedic
 Must provide copy of certificate

PSA 462D Haz-Mat Technician
 Must provide copy of certificate

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 gen. ed. 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 at a minimum of 124 to a maximum of 128 semester hours.
- 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. **GEN. ED. 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 GEN. ED. REQUIREMENTS 41 semester hours

3. **MAJOR PREREQUISITE COURSES (PRE-PROFESSIONAL)**
 Survey of the Old Testament **or**
 Survey of the New Testament 3 semester hours ___
 CIS 146 Microcomputer Applications **or**
 CIS 301 Problem Solving with Computers 3 semester hours ___
 General electives 17 semester hours ___ ___ ___
 ___ ___
TOTAL MAJOR PREREQUISITE HOURS: 19-23 semester hours
TOTAL GEN. ED. REQUIREMENTS & MAJOR PREREQUISITE HOURS: 60-64 semester hours
4. **PROFESSIONAL COURSES:**
 Comparative Religion **or** History of World Religions **or**
 RE 301 Religions That Shaped the World 3 semester hours ___
 PH 300 Moral Values in Today's Society **or**
 RE 403 Religion in Life 3 semester hours ___

 Survey of Church History I **or**
 Survey of Church History II **or**
 RE 312 History of Judaism **or**
 RE 314 History of Islam **or**
 HY 310 History of American Religion 3 semester hours ___

 RE 409 Christian Thought in Early Centuries **or**
 RE 412 The Hebrew Prophets **or**
 RE 413 Wisdom and Devotion Literature 3 semester hours ___

 RE 327 Sociology of Religion 3 semester hours ___
 RE 351 Introduction to Christian Thought 3 semester hours ___
 RE 416 Interpreting the Text 3 semester hours ___
 Electives from the Area of Religion or Philosophy at the 300/400 level 9 semester hours ___ ___

TOTAL PROFESSIONAL HOURS: **30 semester hours**
5. A minor is **not** required, but encouraged.
6. **GENERAL ELECTIVES (Without a minor)** **34 semester hours** ___ ___ ___
 ___ ___ ___
 ___ ___ ___
- GENERAL ELECTIVES (With an 18 semester hour minor)** **16 semester hours** ___ ___ ___
 ___ ___
7. **TOTAL HOURS FOR GRADUATION** **124-128 semester hours**
8. It is recommended that religion and philosophy students planning to attend graduate school or seminary take at least 6 semester hours of foreign languages. The most common languages used in these disciplines are French, German, Greek, and Hebrew.
9. Philosophy or religion minor, church finance minor, behavioral science minor, religious education minor or philosophy minor 18 semester hours

RELIGION MINOR

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

TOTAL HOURS IN 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.

PHILOSOPHY MINOR

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 IN MINOR 18 SEMESTER HOURS

BEHAVIORAL SCIENCE MINOR

Choose one from the following group:

PS 352 Abnormal Behavior
PS 304 Drugs and Behavior
PS 406 Physiological Psychology 3 semester hours _ _

Choose one from the following group:

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 3 semester hours _ _

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 IN MINOR 18 SEMESTER HOURS

CHURCH FINANCE MINOR

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 ___
FIN350 Managerial Finance	3 semester hours ___
GBA311 Legal Environment of Business	3 semester hours ___
MG 346 Principles of Management	3 semester hours ___
TOTAL HOURS IN MINOR	18 SEMESTER HOURS

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 IN 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 (SO)

The program in Sociology seeks to provide students with a comprehensive background for graduate study in sociology. For students preparing for careers in social service, probation/parole, mental health, and related areas, Sociology provides an important background knowledge base.

Specific competencies emphasized in all sociology degree programs include

- a knowledge base that emphasizes the knowledge, theory, and application of core sociological concepts.
- problem solving skills which have been formed by a sociological frame of reference.
- the ability to collect, analyze, and interpret research data.
- the knowledge and skill required to work in human services agencies.
- the background and the ability to do graduate school work.

A departmental exit exam or successful completion of SO 490 is required of all students completing a major in sociology.

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 gen. ed. 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 at a minimum of 124 to a maximum of 128 semester hours.
- 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. **GEN. ED. 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 GEN. ED. REQUIREMENTS 41 semester hours

3.	MAJOR PREREQUISITE COURSES (PRE-PROFESSIONAL)	
	CIS 146 Microcomputer Applications or	
	CIS 301 Problem Solving with Computers	3 semester hours ____
	Marriage and the Family	3 semester hours ____
	Electives in Sociology	6 semester hours ____ ____
	General electives	11 semester hours ____ ____ ____ ____
	TOTAL PRE-PROFESSIONAL HOURS:	23 SEMESTER HOURS
	TOTAL GEN. ED. REQUIREMENTS & 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 490 Senior Sociology Seminar	1 semester hours ____
	Electives in Sociology	9 semester hours ____ ____ ____
	TOTAL PROFESSIONAL HOURS:	34 SEMESTER HOURS
5.	A minor is required	18 semester hours
6.	GENERAL ELECTIVES	12 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 gen. ed. 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 at a minimum of 124 to a maximum of 128 semester hours.
- 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. **GEN. ED. 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 GEN. ED. REQUIREMENTS 41 semester hours

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

The Sociology major must complete

Marriage and the Family	3 semester hours	___
CIS 146 Microcomputer Applications or CIS 301 Problem Solving with Computers	3 semester hours	___
Electives in Sociology	6 semester hours	___ ___
General electives	11 semester hours	___ ___ ___

TOTAL MAJOR PREREQUISITE HOURS: 23 SEMESTER HOURS

TOTAL GEN. ED. REQUIREMENTS & 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 490 Senior Sociology Seminar	3 semester hours	___
Electives in Sociology	9 semester hours	___ ___ ___

TOTAL PROFESSIONAL HOURS: 34 SEMESTER HOURS

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

6. **GENERAL ELECTIVES: 30 semester hours** ___ ___ ___ ___

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

SOCIOLOGY MINOR

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 IN MINOR:	18 semester hours