

# College of Arts and Sciences

**Ronald H. Fritze, Ph. D. – Dean**

The table below summarizes the options for degrees, majors, minors, and certificates offered by the College of Arts and Sciences. Information about the minors listed below can be found in the Minors section of this catalog. Information about the certificate programs listed below can be found at the end of the College of Arts and Sciences catalog section.

Program Name	Degree(s) Available	Minor Available	Certificate Available
Art	BA	Yes	
Art – Computer Graphics Option	BA		
Art – Studio Arts Option	BA		
Art – With Minor in Education	BA		
Art History		Yes	
Behavioral Science	BS	Yes	
Biology	BS	Yes	
Biology – Bioinformatics Option	BS		
Biology – Cellular and Developmental Option	BS		
Biology – Ecology and Organismal Option	BS		
Biology – With Minor in Education	BS		
Chemistry	BS	Yes	
Chemistry – With Minor in Education	BS		
Children’s Advocacy Studies Training (CAST)			Yes
Computer Forensics		Yes	
Computer Science	BS	Yes	
Computer Science with Concentration in Information Security	BS		
Criminal Justice	BS	Yes	
Criminal Justice – Juvenile Justice Studies Option	BS		
Drama and Theatre Arts	BA	Yes	
English	BA	Yes	
English/Language Arts	BA		
English/Language Arts – With Minor in Education	BA		
Gender/Multicultural Studies		Yes	
Gerontology		Yes	
Globalization		Yes	
Health Fitness		Yes	
Health Science	BS		
Health and Wellness Management	BS		
History	BA	Yes	
History – Public History Option	BA		
History – With Minor in Education	BA		
Human Development		Yes	
Information Technology	BS	Yes	
Information Technology - Computer Networking Option	BS	Yes	
Liberal Studies	BS		
Marine Science		Yes	
Mathematics	BS	Yes	
Mathematics – With Minor in Education	BS		
Political Science	BA, BS	Yes	
Political Science – Government Administration & Social Policy Option	BS		
Psychology	BA, BS	Yes	
Public Safety and Health Administration	BS	Yes	
Religion	BA	Yes	
Religious Education		Yes	
Social Science	BS		
Social Science – Public History Option	BS		
Social Science – With Minor in Education	BS		
Sociology	BA, BS	Yes	

## **College of Arts and Sciences – General Information**

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

- Competencies in written and oral communication;
- Appreciation of their cultural heritage and understanding of their world;
- A knowledge base conducive to self-growth and enriched life experiences; and,
- Fundamental knowledge, research skills and computer literacy essential to lifelong learning.

The Department of Behavioral Sciences offers courses in three areas of study: Behavioral Science, Psychology, and Sociology. Programs in the Department employ an interdisciplinary approach aimed at developing a strong academic background to prepare students for employment in the areas of mental health, social work, counseling, substance abuse, sociology, and psychology. In addition, the program provides the student with the flexibility to seek employment immediately after graduation or pursue graduate or professional studies. The Department goals are aimed at developing: (1) a knowledge base in psychology and/or sociology; (2) scientific inquiry skills; (3) a sense of ethical and social responsibility in a diverse world; (4) communication skills; (5) professional skills and goals. The Department of Government and Public Administration offers courses in five areas of study: Criminal Justice, Health Science, Health & Wellness Management, Political Science, and Public Safety & Health Administration. Programs in the Department are designed to provide students with a knowledge-base and skill set that will allow them to pursue a graduate school education and enhance career opportunities. The Department goals are aimed at: (1) enhancing the student's knowledge of issues dealing with government and public administration, including political science and public policy; health and health policy; public safety and emergency response; and criminal justice and criminal law process; (2) fostering strong ethical standards; (3) developing research and analytical skills to collect and analyze data using scientific methodology; (4) enhancing proficiency in the use of technology and information; and (5) communicating effectively orally and in writing.

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

The Department of Mathematical, Computer and Natural Sciences is committed to providing students with a strong academic background on the fundamentals of mathematics, computer science or natural sciences within the context of an increasingly technology-driven society. The mathematics and computer science programs allow students the flexibility to explore a wide range of applied and theoretical areas of mathematics, computing, and logic suitable for different employment environments in business, industry, and government or for further studies. The curriculum is designed to include an interdisciplinary approach where students can combine mathematics and/or computer science courses with other disciplines, as well as gain certification for teaching mathematics at the secondary school level. The mathematics and computer science program goals are aimed at: (1) enhancing the student's knowledge of mathematics and computer science; (2) cultivating analytical and problem-solving skills; (3) instilling an appreciation for ethical principles to face the challenges posed by the development and uses of new technology and advanced scientific inquiry; and (4) communicating ideas clearly orally and in writing.

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

Majors leading to a Bachelor of Arts degree are offered in the disciplines of Art, Drama & Theatre Arts, English, English/Language Arts, History, Political Science, Psychology, Religious Studies, and Sociology. Majors leading to a Bachelor of Science degree are offered in the disciplines of Biology, Chemistry, Computer Science, Criminal Justice, Health and Wellness Management, Mathematics, Political Science, Psychology, and Sociology. The disciplines of Psychology and Sociology sponsor an interdisciplinary major in Behavioral Science leading to a Bachelor of Science degree. The College of Arts and Sciences, in cooperation with the College of Education, offers majors with a minor in Education in Biology, Chemistry, English/Language Arts, History, Mathematics, and Social Science for those students who are interested in teaching in Middle School or High School. Completion of these programs will lead to Class B Certification

in High School Education. Completion of the Bachelor of Arts Art Major with a minor in Education will lead to Class B Certification in grades P-12. In cooperation with the College of Business and the College of Education, the College sponsors interdisciplinary majors in Health Science and Public Safety and Health Administration leading to the Bachelor of Science degree. Pre-medical, pre-dental, and paramedical students are advised to major in either Biology or Chemistry; a program of study tailored to meet specific recommendations of a particular professional school, and leading to a Bachelor of Science degree, will be worked out for the student in consultation with his or her faculty advisor.

Certain College of Arts and Sciences curricula require courses to be completed in a particular sequence. Therefore, it is important that Arts and Sciences students meet with their Faculty Advisor, as assigned by the Transfer Student Success Center Counselor for the College of Arts and Sciences, as soon as possible. It must be noted, however, that the student bears individual responsibility to schedule and complete all requirements for the degree and a particular program of study. To fit a specific student's 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 Curriculum Adjustment form.

## Distance Education

The College of Arts and Sciences offers online degree programs in the following majors: Religion and Liberal Studies. All coursework for these majors may be completed via distance learning. For additional information on distance education, refer to the Academic Policies section in the Introduction and General Information portion of the catalog or the University website.

## Interdisciplinary Programs

### Pre-Law Program

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

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

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

Students interested in choosing political science and/or criminal justice as a pre-law major should contact faculty in the Department of Government and Public Administration (256) 233-6533.

### Pre-Health Programs

Students interested in pre-health programs should contact the chief Pre-Health programs advisor, Dr. Bruce Thomas (1-800-522-0272 Ext. 513 or 256-233-6513 or [bruce.thomas@athens.edu](mailto:bruce.thomas@athens.edu)). Pre-health programs may include:

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

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

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

## Degree Programs in the College of Arts and Sciences

### General University Requirements for Graduation

Every student planning on completing an undergraduate degree/major program at Athens State University must satisfy all University requirements and meet all financial obligations before a degree is awarded.

To be eligible to receive an undergraduate degree, a student must:

- Complete a minimum of 124 semester hours with at least 25 percent of the degree requirements earned at Athens State University.
- Attain a minimum institutional grade point average of 2.0 on all coursework attempted at Athens State University, and at least a 2.0 in the major field. **College or departmental regulations may require grade point averages higher than 2.0. These degree-specific requirements are published in the appropriate degree/major section of the University catalog.**
- Complete a minimum of 60 semester hours from an accredited baccalaureate degree granting institution; **at least 51 semester hours of credit must be at the 300-400 level.**
- Complete all of the general education and pre-professional courses (Areas I-V) required for the degree or major(s).
- Apply no more than 64 semester hours of non-traditional/non-graded college credit toward the degree.
- Complete all course requirements for the degree or major(s).
- Complete a minimum of 15 semester hours of upper level (300-400 level) coursework in the major at Athens State University, not including courses taken by reciprocal or visiting arrangements. **College or departmental regulations may require completion of more than 15 semester hours of coursework in the major at Athens State University. These degree-specific requirements are published in the appropriate degree/major section of the University catalog.**
- When applicable, complete all course requirements for a minor with a minimum of six (6) semester hours of upper-level coursework in the minor from Athens State University. College or departmental regulations may require completion of more than six (6) semester hours of coursework in the minor at Athens State University. These specific requirements are published in the appropriate Minors section of the University catalog.
- Complete the requirements for teacher certification (when applicable).

***The rules, regulations, policies, fees and other charges, courses, programs of study, and academic requirements that appear in this catalog were in effect at the time of its publication and every effort has been made to ensure the accuracy of all information. The contents are published for informational purposes only, and do not constitute a contract between the University and any student, applicant for admission or other person. Statements regarding courses, programs of study, fees, and conditions are subject to change without advance notice.***

## ART (AR)

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

### Bachelor of Arts - Art Major: Computer Graphics Option

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

**Program components for the Bachelor of Arts degree with a major in Art – Computer Graphics Option:**

#### Applicable General University Requirements

Students earning the Bachelor of Arts (BA) degree with a major in Art – Computer Graphics Option must satisfy all general University requirements and meet all financial obligations before a degree is awarded.

#### General Education Requirements

Area	Discipline/Course	Hours
I	<b>Written Composition</b>	<b>6</b>
II	<b>Humanities/Fine Arts (12 hours total)</b>	
	At least one fine arts course	<b>3</b>
	At least one literature course*	<b>3</b>
	Other courses in humanities or fine arts	<b>6</b>
III	<b>Mathematics and Natural Sciences (11 hours total)</b>	
	Finite math <u>or</u> higher mathematics course	<b>3</b>
	Natural sciences (lab-based)	<b>8</b>
IV	<b>History/Behavioral and Social Sciences (12 hours total)</b>	
	At least one history course*	<b>3</b>
	Other courses in history or behavioral/social science	<b>9</b>
	<b>*Students must complete a 6 hour sequence in either Literature (Area II) or History (Area IV).</b>	
	<b>Total General Education Requirement Hours:</b>	<b>41</b>

#### Major Prerequisite (Pre-Professional) Course Requirements (Area V)

	Discipline/Course	Hours
	CIS 146 Microcomputer Applications <u>or</u> ITE 301 Problem Solving with Computers <u>or</u> Introductory Computer Graphic Design course	<b>3</b>
	HU 321 Research Sources and Skills	<b>1</b>
	Art History	<b>3</b>
	<b>A minimum of 6 semester hours from the following art areas: Photography, Computer Graphics, Illustration, Digital Design, Multimedia Production</b>	<b>6</b>
	<b>Total Major Prerequisite Requirement Hours:</b>	<b>13</b>
	<b>Total General Education and Major Prerequisite Requirement Hours:</b>	<b>54</b>

**Professional Course Requirements**

	<b>Course</b>	<b>Hours</b>
	AR 300 Art Studio in Critique	<b>3</b>
	AR 331 Digital Photography	<b>3</b>
	AR 335 Topics in Adobe Photoshop	<b>3</b>
	AR 410 Adobe Illustrator Design	<b>3</b>
	AR 435 Computer Graphic Design	<b>3</b>
	AR 465 Portfolio, Exhibition and Art Research	<b>3</b>
	Art History Electives (up to 3 hrs. can be 100-200 level courses)	<b>9</b>
	Art Studio Electives (up to 6 hrs. can be 100-200 level courses)	<b>18</b>
	<b>Total Professional Requirement Hours:</b>	<b>45</b>

**NOTE: Students can take AR 405, Interface Design Management, and count it as one of their required professional courses or as one elective.**

The Art major must complete a minimum of 45 semester hours of art coursework, at least 15 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.

**A minor is not required. However, a minor in Art History or Marketing is recommended.**

**General Electives**

	Elective hours as needed to meet minimum 124 hour requirement and all other general University requirements	<b>25</b>
--	---	-----------

		<b>Hours</b>
	<b>Total Minimum Hours Required for Completion of Art Major – Computer Graphics Option</b>	<b>124</b>

## **Bachelor of Arts - Art Major: Studio Arts Option**

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

**Program components for the Bachelor of Arts degree with a major in Art – Studio Arts Option:**

### **Applicable General University Requirements**

Students earning the Bachelor of Arts (BA) degree with a major in Art – Studio Arts Option must satisfy all general University requirements and meet all financial obligations before a degree is awarded.

### **General Education Requirements**

<b>Area</b>	<b>Discipline/Course</b>	<b>Hours</b>
<b>I</b>	<b>Written Composition</b>	<b>6</b>
<b>II</b>	<b>Humanities/Fine Arts (12 hours total)</b>	
	At least one fine arts course	<b>3</b>
	At least one literature course*	<b>3</b>
	Other courses in humanities or fine arts	<b>6</b>
<b>III</b>	<b>Mathematics and Natural Sciences (11 hours total)</b>	
	Finite math <u>or</u> higher mathematics course	<b>3</b>
	Natural sciences (lab-based)	<b>8</b>
<b>IV</b>	<b>History/Behavioral and Social Sciences (12 hours total)</b>	
	At least one history course*	<b>3</b>
	Other courses in history or behavioral/social science	<b>9</b>
	<b>*Students must complete a 6 hour sequence in either Literature (Area II) or History (Area IV).</b>	
	<b>Total General Education Requirement Hours:</b>	<b>41</b>

### **Major Prerequisite (Pre-Professional) Course Requirements (Area V)**

	<b>Discipline/Course</b>	<b>Hours</b>
	CIS 146 Microcomputer Applications <u>or</u> ITE 301 Problem Solving with Computers <u>or</u> Introductory Computer Graphic Design course	<b>3</b>
	HU 321 Research Sources and Skills	<b>1</b>
	Art Electives	<b>6</b>
	<b>Total Major Prerequisite Requirement Hours:</b>	<b>10</b>
	<b>Total General Education and Major Prerequisite Requirement Hours:</b>	<b>51</b>

### **Professional Course Requirements**

	<b>Course</b>	<b>Hours</b>
	AR 300 Art Studio in Critique	<b>3</b>
	AR 301 Painting	<b>3</b>
	AR 311 Landscape Painting and Drawing <b>or</b> AR 314 Topic in Watercolor	<b>3</b>
	AR 312 Figure Drawing	<b>3</b>
	AR 315 Topics in Ceramic <b>or</b> AR 317 Ceramic Sculpture	<b>3</b>
	AR 331 Digital Photography	<b>3</b>
	AR 408 Printmaking	<b>3</b>
	AR 420 Art Studio	<b>3</b>
	AR 423 History of Modern Art	<b>3</b>
	AR 424 Late Modern Art History	<b>3</b>
	AR 426 Critical Theories of Today's Art	<b>3</b>
	AR 430 Advanced Drawing and Design	<b>3</b>
	AR 461 Special Workshop in Sculpture	<b>3</b>
	AR 465 Portfolio, Exhibition and Art Research	<b>3</b>
	Art Elective	<b>3</b>
	<b>Total Professional Requirement Hours:</b>	<b>45</b>

The Art major must complete a minimum of 45 semester hours of art coursework, at least 15 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.

### **Minor (Required)**

		<b>Hours</b>
	Required courses for minor (minimum 18 hours) A minor in Art History is recommended. A minor is not required for students completing requirements for either a second degree in Art or a second major in Art.	<b>18</b>

### **General Electives**

		<b>Hours</b>
	Elective hours as needed to meet minimum 124 hour requirement and all other general University requirements	<b>12</b>

		<b>Hours</b>
	<b>Total Minimum Hours Required for Completion of Art Major – Studio Arts Option</b>	<b>126</b>



## **Bachelor of Arts - Art Major**

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

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

### **Applicable General University Requirements**

Students earning the Bachelor of Arts (BA) degree with a major in Art must satisfy all general University requirements and meet all financial obligations before a degree is awarded.

### **General Education Requirements**

<b>Area</b>	<b>Discipline/Course</b>	<b>Hours</b>
<b>I</b>	<b>Written Composition</b>	<b>6</b>
<b>II</b>	<b>Humanities/Fine Arts (12 hours total)</b>	
	Fine arts course	<b>3</b>
	Speech (SPH 106, 107) course	<b>3</b>
	At least one literature course*	<b>3</b>
	Other course in humanities or fine arts	<b>3</b>
<b>III</b>	<b>Mathematics and Natural Sciences (11 hours total)</b>	
	Finite math <u>or</u> higher mathematics course	<b>3</b>
	Natural sciences (lab-based)	<b>8</b>
<b>IV</b>	<b>History/Behavioral and Social Sciences (12 hours total)</b>	
	General psychology course	<b>3</b>
	PSY 210 Human Growth and Development <u>or</u> PS 334 Adolescent Psychology	<b>3</b>
	At least one history course*	<b>3</b>
	Other course in history or behavioral/social science	<b>3</b>
	<b>*Students must complete a 6 hour sequence in either Literature (Area II) or History (Area IV).</b>	
	<b>Total General Education Requirement Hours:</b>	<b>41</b>

### **Major Prerequisite (Pre-Professional) Course Requirements**

	<b>Discipline/Course</b>	<b>Hours</b>
	Art Electives	<b>9</b>
	CIS 146 Microcomputer Applications or ITE 301 Problem Solving with Computers	<b>3</b>
	HU 321 Research Sources and Skills	<b>1</b>
	<b>Total Major Prerequisite Requirement Hours:</b>	<b>13</b>
	<b>Total General Education and Major Prerequisite Requirement Hours:</b>	<b>54</b>

### **Professional Course Requirements**

	<b>Course</b>	<b>Hours</b>
	AR 300 Art Studio in Critique	<b>3</b>
	AR 301 Painting	<b>3</b>
	AR 312 Figure Drawing	<b>3</b>
	AR 315 Topics in Ceramic <b>or</b> AR 317 Ceramic Sculpture	<b>3</b>
	AR 331 Digital Photography	<b>3</b>
	AR 408 Printmaking	<b>3</b>
	AR 423 History of Modern Art	<b>3</b>
	AR 424 Late Modern Art History	<b>3</b>
	AR 465 Portfolio, Exhibition and Art Research	<b>3</b>
	<b>Total Professional Requirement Hours:</b>	<b>27</b>

### **Minor (Required)**

		<b>Hours</b>
	Required Courses for Minor (minimum 18 hours, a minor in Art History is recommended)	<b>18</b>

### **General Electives**

		<b>Hours</b>
	Elective hours as needed to meet minimum 124 hour requirement and all other general University requirements	<b>25</b>

		<b>Hours</b>
	<b>Total Minimum Hours Required for Completion of Art Major</b>	<b>124</b>

## **Bachelor of Arts - Art Major with Minor in Education (Grades P-12)**

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

**Program components for the Bachelor of Arts degree with a major in Art with a minor in Education:**

### **Applicable General University Requirements**

Students earning the Bachelor of Arts (BA) degree with a major in Art with a minor in Education must satisfy all general University requirements and meet all financial obligations before a degree is awarded. **Additional requirements for this program are:**

- Students must maintain a cumulative GPA of at least 2.75, **and** a minimum GPA of 2.75 in both the Professional Studies and Teaching Field Course Requirements. This is a requirement for student teaching and for graduation.
- Students must have a minimum grade of "C" in any required courses, regardless of whether GPA standards are fulfilled.

### **General Education Requirements**

Area	Discipline/Course	Hours
I	<b>Written Composition</b>	<b>6</b>
II	<b>Humanities/Fine Arts (12 hours total)</b>	
	Fine arts course	<b>3</b>
	Speech (SPH 106, 107) course	<b>3</b>
	At least one literature course*	<b>3</b>
	Other course in humanities or fine arts	<b>3</b>
III	<b>Mathematics and Natural Sciences (11 hours total)</b>	
	Finite math <b>or</b> higher mathematics course	<b>3</b>
	Natural sciences (lab-based)	<b>8</b>
IV	<b>History/Behavioral and Social Sciences (12 hours total)</b>	
	General psychology course	<b>3</b>
	PSY 210 Human Growth and Development <b>or</b> PS 334 Adolescent Psychology	<b>3</b>
	At least one history course*	<b>3</b>
	Other course in history or behavioral/social science	<b>3</b>
	<b>*Students must complete a 6 hour sequence in either Literature (Area II) or History (Area IV).</b>	
	<b>Total General Education Requirement Hours:</b>	<b>41</b>

### **Major Prerequisite (Pre-Professional) Course Requirements**

	Discipline/Course	Hours
	Art Electives	<b>9</b>
	HU 321 Research Sources and Skills	<b>1</b>
	<b>Total Major Prerequisite Requirement Hours:</b>	<b>10</b>
	<b>Total General Education and Major Prerequisite Requirement Hours:</b>	<b>51</b>

### Teaching Field Course Requirements

	Course	Hours
	AR 300 Art Studio in Critique	3
	AR 301 Painting	3
	AR 312 Figure Drawing	3
	AR 315 Topics in Ceramic <u>or</u> AR 317 Ceramic Sculpture	3
	AR 331 Digital Photography	3
	AR 408 Printmaking	3
	AR 423 History of Modern Art	3
	AR 424 Late Modern Art History	3
	AR 465 Portfolio, Exhibition and Art Research	3
	<b>Total Teaching Field Requirement Hours:</b>	<b>27</b>
	<b>(Total Credit Hours in Art including Areas I-V: 39)</b>	

### Professional Studies Course Requirements (Education Minor)

	Course	Hours
	ED 301 Introduction to Teaching	1
	ED 302 Foundations of Education	3
	ED 305 Technology & Media in Education (fulfills CIS 146 major/degree prerequisite requirement in Art major)	3
	ED 322 Basic Principles of ELL Education	3
	<b><u>ED 359 Assessment/Evaluation Art</u></b>	<b>3</b>
	<b><u>ED 360 Classroom Management P-12</u></b>	<b>3</b>
	SE 301 Survey of Exceptional Learners	3
	<b><u>AR 454 Materials and Methods of Teaching Art in P-5</u></b>	<b>3</b>
	<b><u>AR 455 Materials and Methods of Teaching Art in 6-12</u></b>	<b>3</b>
	<b><u>AR 451 Internship in Art P-12</u></b>	<b>6-12</b>
	<b>Total Professional Studies Requirement Hours:</b>	<b>31</b>

Courses boldfaced and underlined in any of the tables above require admission to the Teacher Education Program (TEP) and may not be fulfilled by substituting courses completed at another college or university.

To submit a substitution request for other teaching field and professional courses completed at another college or university, students are required to provide an electronic copy of the course syllabus and/or description to their faculty advisor. This is an Alabama State Department of Education requirement. The Alabama State Department of Education ultimately decides whether or not a course will count as a substitution for an Athens State course after the syllabus and supporting documentation is evaluated.

All students seeking a degree from the College of Education, or a degree from the College of Arts and Sciences with a minor in Education, and subsequent licensure and certification by the State of Alabama, are required to pass the appropriate Praxis II exams for their program of study. A complete listing of these exams along with required scoring information can be reviewed on the College of Education's webpage. **It is the student's responsibility to schedule and take these exams prior to applying for internship (student teaching).**

**A student who does not complete all of the above Professional Studies requirements for the minor in Education and who does not wish to seek certification from the State of Alabama may still fulfill the requirements for the Art major with a minor in Professional Studies (see minors section of this catalog).**

**This program of study is open to any student. Students who do not fulfill all Professional Studies Course requirements will not be eligible for licensure and certification by the Alabama State Department of Education.**

**General Electives**

		<b>Hours</b>
	Elective hours as needed to meet minimum 124 hour requirement and all other general University requirements	<b>15</b>

		<b>Hours</b>
	<b>Total Minimum Hours Required for Completion of Art Major with minor in Education</b>	<b>124</b>

## BEHAVIORAL SCIENCE

The degree program in Behavioral Science is a joint degree between the fields of Psychology and Sociology. Core courses in each discipline are taken to provide the student with the option of seeking employment after graduation or to pursue graduate training. The Department goals are aimed at developing: (1) a knowledge base in psychology and sociology; (2) scientific inquiry skills; (3) a sense of ethical and social responsibility in a diverse world; (4) communication skills; (5) professional skills and goals.

### Bachelor of Science - Behavioral Science Major

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

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

#### Applicable General University Requirements

Students earning the Bachelor of Science (BS) degree with a major in Behavioral Science must satisfy all general University requirements and meet all financial obligations before a degree is awarded.

#### General Education Requirements

Area	Discipline/Course	Hours
I	<b>Written Composition</b>	<b>6</b>
II	<b>Humanities/Fine Arts (12 hours total)</b>	
	At least one fine arts course	<b>3</b>
	At least one literature course*	<b>3</b>
	Other courses in humanities or fine arts	<b>6</b>
III	<b>Mathematics and Natural Sciences (11 hours total)</b>	
	Finite math <u>or</u> higher mathematics course	<b>3</b>
	Natural sciences (lab-based)	<b>8</b>
IV	<b>History/Behavioral and Social Sciences (12 hours total)</b>	
	At least one history course*	<b>3</b>
	Other courses in history or behavioral/social science	<b>9</b>
	<b>*Students must complete a 6 hour sequence in either Literature (Area II) or History (Area IV).</b>	
	<b>Total General Education Requirement Hours:</b>	<b>41</b>

#### Major Prerequisite (Pre-Professional) Course Requirements (Area V)

	Discipline/Course	Hours
	CIS 146 Microcomputer Applications or ITE 301 Problem Solving with Computers	<b>3</b>
	HU 321 Research Sources and Skills	<b>1</b>
	PSY 200 General Psychology	<b>3</b>
	SOC 200 Introduction to Sociology	<b>3</b>
	<b>Total Major Prerequisite Requirement Hours:</b>	<b>10</b>
	<b>Total General Education and Major Prerequisite Requirement Hours:</b>	<b>51</b>

### **Professional Course Requirements**

	<b>Course</b>	<b>Hours</b>
	PS 304 Drugs and Behavior	<b>3</b>
	PS 331 Social Psychology	<b>3</b>
	PS 332 Child Psychology <b>or</b> PS 334 Adolescent Psychology <b>or</b> PS 335 Adult Psychology	<b>3</b>
	PS 341 Statistics with Advanced Topics in Behavioral Science	<b>3</b>
	PS 352 Abnormal Psychology	<b>3</b>
	Psychology Elective	<b>3</b>
	SO 312 Majority/Minority Group Relations	<b>3</b>
	SO 342 Methods of Behavioral Science Research	<b>3</b>
	SO 360 Contemporary American Family	<b>3</b>
	SO 361 Social Analysis	<b>3</b>
	SO 362 Deviant Social Behavior	<b>3</b>
	PS/SO 499 Thinking, Writing, and Speaking in the Behavioral Sciences	<b>3</b>
	Sociology Elective	<b>3</b>
	<b>Total Professional Requirement Hours:</b>	<b>39</b>

A minimum of 24 semester hours of upper division behavioral science (psychology or sociology) coursework must be completed at Athens State University.

**Exit Exam:** An exit exam is required for graduation and is administered in PS/SO 499. The departmental exit exam covers theories and concepts from all areas of the curriculum.

**A minor is not required.**

### **General Electives**

		<b>Hours</b>
	Elective hours as needed to meet minimum 124 hour requirement and all other general University requirements	<b>34</b>

		<b>Hours</b>
	<b>Total Minimum Hours Required for Completion of Behavioral Science Major</b>	<b>124</b>

## BIOLOGY (BI)

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

### Bachelor of Science - Biology Major

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

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

#### Applicable General University Requirements

Students earning the Bachelor of Science (BS) degree with a major in Biology must satisfy all general University requirements and meet all financial obligations before a degree is awarded.

#### General Education Requirements

Area	Discipline/Course	Hours
I	<b>Written Composition</b>	<b>6</b>
II	<b>Humanities/Fine Arts (12 hours total)</b>	
	At least one fine arts course	<b>3</b>
	At least one literature course*	<b>3</b>
	Other courses in humanities or fine arts	<b>6</b>
III	<b>Mathematics and Natural Sciences (11 hours total)</b>	
	Precalculus Algebra or higher mathematics course	<b>3</b>
	Principles of Biology I and II	<b>8</b>
IV	<b>History/Behavioral and Social Sciences (12 hours total)</b>	
	At least one history course*	<b>3</b>
	Other courses in history or behavioral/social science	<b>9</b>
	<b>*Students must complete a 6 hour sequence in either Literature (Area II) or History (Area IV).</b>	
	<b>Total General Education Requirement Hours:</b>	<b>41</b>

#### Major Prerequisite (Pre-Professional) Course Requirements (Area V)

	Discipline/Course	Hours
	College Chemistry I	<b>4</b>
	College Chemistry II	<b>4</b>
	Natural Science Elective	<b>4</b>
	Statistics (MTH 265, MA 331, or PO/PS/SO 341) <b>or</b> Calculus I	<b>3-4</b>
	CHM 221 Organic Chemistry I <b>or</b> CH 311/311L Organic Chemistry I	<b>4-5</b>
	CIS 146 Microcomputer Applications or ITE 301 Problem Solving with Computers	<b>3</b>
	HU 321 Research Sources and Skills	<b>1</b>
	<b>Total Major Prerequisite Requirement Hours:</b>	<b>23-25</b>
	<b>Total General Education and Major Prerequisite Requirement Hours:</b>	<b>64-66</b>



## Professional Course Requirements

	<b>Course</b>	<b>Hours</b>
	BI 301/BI 301L Cell Structure and Function	<b>4</b>
	BI 302/BI 302L Genetics	<b>4</b>
	BI 303/BI 303L General Ecology <u>or</u> BI 453/BI 453L Plant Ecology*	<b>4</b>
	BI 470 Biology Capstone <u>or</u> BI 471 Research Thesis Capstone	<b>1</b>
	Biology elective courses at the 300/400 level approved by faculty advisor	<b>17</b>
	*Students may take both ecology courses (BI 303/BI 303L and BI 453/BI 453L) and count one as a biology elective.	
	<b>Total Professional Requirement Hours:</b>	<b>30</b>

The Biology major must complete at least 15 semester hours of upper division biology coursework at Athens State University. 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 the faculty advisor. The following courses or their equivalents are frequently recommended or required: Calculus I, II (MA 303, 304); Organic Chemistry (CH 311, 312); and Biochemistry (BI 409 or CH 409).

**Exit Exam:** An exit exam is required for graduation and is administered in BI 470 Biology Capstone or BI 471 Research Thesis Capstone. The examination serves the following purposes:

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

There is no cost for taking the examinations, nor is it necessary to undertake any special preparation for the examination. Exit examination questions are drawn from the following areas: Cellular Biology, Ecology (including Field Ecology), Genetics, Vascular and Non-vascular Botany, and Invertebrate and Vertebrate Biology.

## Minor (Required)

	<b>Hours</b>
Required Courses for Minor (minimum 18 hours)	<b>18</b>

## General Electives

	<b>Hours</b>
Elective hours as needed to meet minimum 124 hour requirement and all other general University requirements	<b>10-12</b>

	<b>Hours</b>
<b>Total Minimum Hours Required for Completion of Biology Major</b>	<b>124</b>

## **Bachelor of Science - Biology Major: Bioinformatics Option**

This option within the Biology major is designed to provide students with knowledge and skills that will give them the ability to relate to, modify, and code minor computer programs involved in the analysis and interpretation of biological datasets.

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

**Program components for the Bachelor of Science degree with a major in Biology – Bioinformatics Option:**

### **Applicable General University Requirements**

Students earning the Bachelor of Science (BS) degree with a major in Biology – Bioinformatics Option must satisfy all general University requirements and meet all financial obligations before a degree is awarded.

### **General Education Requirements**

Area	Discipline/Course	Hours
I	<b>Written Composition</b>	<b>6</b>
II	<b>Humanities/Fine Arts (12 hours total)</b>	
	At least one fine arts course	<b>3</b>
	At least one literature course*	<b>3</b>
	Other courses in humanities or fine arts	<b>6</b>
III	<b>Mathematics and Natural Sciences (11 hours total)</b>	
	Precalculus Algebra or higher mathematics course	<b>3</b>
	Principles of Biology I and II	<b>8</b>
IV	<b>History/Behavioral and Social Sciences (12 hours total)</b>	
	At least one history course*	<b>3</b>
	Other courses in history or behavioral/social science	<b>9</b>
	<b>*Students must complete a 6 hour sequence in either Literature (Area II) or History (Area IV).</b>	
	<b>Total General Education Requirement Hours:</b>	<b>41</b>

### **Major Prerequisite (Pre-Professional) Course Requirements (Area V)**

	Discipline/Course	Hours
	College Chemistry I	<b>4</b>
	College Chemistry II	<b>4</b>
	Natural Science, Math, or Computer Science Elective	<b>3-4</b>
	Statistics (MTH 265, MA 331, or PO/PS/SO 341) <b>or</b> Calculus I <b>or</b> Calculus II	<b>3-4</b>
	CHM 221 Organic Chemistry I <b>or</b> CH 311/311L Organic Chemistry I	<b>4-5</b>
	CIS 146 Microcomputer Applications <b>or</b> ITE 301 Problem Solving with Computers <b>or</b> Computer Programming course	<b>3</b>
	HU 321 Research Sources and Skills	<b>1</b>
	<b>Total Major Prerequisite Requirement Hours:</b>	<b>22-25</b>
	<b>Total General Education and Major Prerequisite Requirement Hours:</b>	<b>63-66</b>

### Professional Course Requirements

	Course	Hours
	BI 301/BI 301L Cell Structure and Function	4
	BI 302/BI 302L Genetics	4
	BI 303/BI 303L General Ecology <u>or</u> BI 453/BI 453L Plant Ecology*	4
	BI 313/313L Bioinformatics	4
	BI 470 Biology Capstone <u>or</u> BI 471 Research Thesis Capstone	1
	Biology elective courses at the 300/400 level approved by faculty advisor	13
	*Students may take both ecology courses (BI 303/BI 303L and BI 453/BI 453L) and count one as a biology elective.	
	<b>Total Professional Requirement Hours:</b>	<b>30</b>

### Bioinformatics Option Course Requirements

	Course	Hours
	MA 308 Discrete Mathematics	3
	CS 309/CS309L Introduction to Digital Logic Design	4
	CS 317 Computer Science I <u>or</u> sufficient score on Placement Exam*	0-3
	CS 318 Computer Science II	3
	CS 372 Data Structures	3
	CS 472 Algorithm Analysis	3
	ITE 315 Scripting Languages and System Administration	3
	ITE 440 Database Systems	3
	* Students who have completed CIS 251 C++ Programming or the equivalent may take a placement exam. Following the policy in place for students majoring in Computer Science or Information Technology, the CS 317 requirement (zero hours awarded) may be waived provided a sufficient score is achieved on this exam.	
	<b>Total Option Requirement Hours:</b>	<b>22-25</b>

The Biology major must complete at least 15 semester hours of upper division biology coursework at Athens State University.

**Exit Exam:** An exit exam is required for graduation and is administered in BI 470 Biology Capstone or BI 471 Research Thesis Capstone. The examination serves the following purposes:

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

There is no cost for taking the examinations, nor is it necessary to undertake any special preparation for the examination. Exit examination questions are drawn from the following areas: Cellular Biology, Ecology (including Field Ecology), Genetics, Vascular and Non-vascular Botany, and Invertebrate and Vertebrate Biology.

A minor is not required.

### General Electives

	Elective hours as needed to meet minimum 124 hour requirement and all other general University requirements	3-9
--	---	-----

	Hours
<b>Total Minimum Hours Required for Completion of Biology Major – Bioinformatics Option</b>	<b>124</b>

## **Bachelor of Science - Biology Major: Cellular and Developmental Option**

This option within the Biology major is designed particularly for students interested in continuing in research in fields associated with Cell and Development, including those interested in working in research labs or applying to graduate school.

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

**Program components for the Bachelor of Science degree with a major in Biology – Cellular and Developmental Option:**

### **Applicable General University Requirements**

Students earning the Bachelor of Science (BS) degree with a major in Biology – Cellular and Developmental Option must satisfy all general University requirements and meet all financial obligations before a degree is awarded.

### **General Education Requirements**

<b>Area</b>	<b>Discipline/Course</b>	<b>Hours</b>
<b>I</b>	<b>Written Composition</b>	<b>6</b>
<b>II</b>	<b>Humanities/Fine Arts (12 hours total)</b>	
	At least one fine arts course	<b>3</b>
	At least one literature course*	<b>3</b>
	Other courses in humanities or fine arts	<b>6</b>
<b>III</b>	<b>Mathematics and Natural Sciences (11 hours total)</b>	
	Precalculus Algebra or higher mathematics course	<b>3</b>
	Principles of Biology I and II	<b>8</b>
<b>IV</b>	<b>History/Behavioral and Social Sciences (12 hours total)</b>	
	At least one history course*	<b>3</b>
	Other courses in history or behavioral/social science	<b>9</b>
	<b>*Students must complete a 6 hour sequence in either Literature (Area II) or History (Area IV).</b>	
	<b>Total General Education Requirement Hours:</b>	<b>41</b>

### **Major Prerequisite (Pre-Professional) Course Requirements (Area V)**

<b>Discipline/Course</b>	<b>Hours</b>
College Chemistry I	<b>4</b>
College Chemistry II	<b>4</b>
Natural Science Elective	<b>4</b>
Statistics (MTH 265, MA 331, or PO/PS/SO 341) <b>or</b> Calculus I	<b>3-4</b>
CHM 221 Organic Chemistry I <b>or</b> CH 311/311L Organic Chemistry I	<b>4-5</b>
CIS 146 Microcomputer Applications or ITE 301 Problem Solving with Computers	<b>3</b>
HU 321 Research Sources and Skills	<b>1</b>
<b>Total Major Prerequisite Requirement Hours:</b>	<b>23-25</b>
<b>Total General Education and Major Prerequisite Requirement Hours:</b>	<b>64-66</b>

### Professional Course Requirements

	Course	Hours
	BI 301/BI 301L Cell Structure and Function	4
	BI 302/BI 302L Genetics	4
	BI 303/BI 303L General Ecology <b>or</b> BI 453/BI 453L Plant Ecology*	4
	BI 470 Biology Capstone <b>or</b> BI 471 Research Thesis Capstone	1
	Biology elective courses at the 300/400 level approved by faculty advisor	17
	*Students may take both ecology courses (BI 303/BI 303L and BI 453/BI 453L) and count one as a biology elective.	
	<b>Total Professional Requirement Hours:</b>	<b>30</b>

### Cellular and Developmental Option Course Requirements

	Course	Hours
	<b>Complete 12 semester hours</b> from the following (all courses listed are 4 semester hours unless otherwise noted): BI 313/313L Bioinformatics BI 415 Microbial Toxins and Human Health <b>(3 Hrs.)</b> BI 423/423L Histology BI 424/424L Animal Physiology BI 425/425L Developmental Biology BI 427/427L Parasitology BI 429/429L Immunology BI 434 Applying Lab Principles at HudsonAlpha <b>(3 Hrs.)</b> BI 441, 442, 443, 444 Special Topics in Biology <b>(1-4 Hrs.)*</b> BI 450 Research Seminar <b>(1 Hr.)*</b>	<b>12</b>
	<b>*Content must be approved by faculty advisor</b>	
	<b>Total Option Requirement Hours:</b>	<b>12</b>

The Biology major must complete at least 15 semester hours of upper division biology coursework at Athens State University.

**Exit Exam:** An exit exam is required for graduation and is administered in BI 470 Biology Capstone or BI 471 Research Thesis Capstone. The examination serves the following purposes:

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

There is no cost for taking the examinations, nor is it necessary to undertake any special preparation for the examination. Exit examination questions are drawn from the following areas: Cellular Biology, Ecology (including Field Ecology), Genetics, Vascular and Non-vascular Botany, and Invertebrate and Vertebrate Biology.

### **Minor (Required)**

	Hours
Required Courses for Minor (minimum 18 hours)	<b>18</b>

	Hours
<b>Total Minimum Hours Required for Completion of Biology Major – Cellular and Developmental Option</b>	<b>124</b>

## **Bachelor of Science - Biology Major: Ecology and Organismal Option**

This option within the Biology major is designed particularly for students interested in continuing in research in fields associated with Ecology and Organismal Biology, including those interested in working in research labs or applying to graduate school.

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

**Program components for the Bachelor of Science degree with a major in Biology – Ecology and Organismal Option:**

### **Applicable General University Requirements**

Students earning the Bachelor of Science (BS) degree with a major in Biology – Ecology and Organismal Option must satisfy all general University requirements and meet all financial obligations before a degree is awarded.

### **General Education Requirements**

Area	Discipline/Course	Hours
I	<b>Written Composition</b>	<b>6</b>
II	<b>Humanities/Fine Arts (12 hours total)</b>	
	At least one fine arts course	<b>3</b>
	At least one literature course*	<b>3</b>
	Other courses in humanities or fine arts	<b>6</b>
III	<b>Mathematics and Natural Sciences (11 hours total)</b>	
	Precalculus Algebra or higher mathematics course	<b>3</b>
	Principles of Biology I and II	<b>8</b>
IV	<b>History/Behavioral and Social Sciences (12 hours total)</b>	
	At least one history course*	<b>3</b>
	Other courses in history or behavioral/social science	<b>9</b>
	<b>*Students must complete a 6 hour sequence in either Literature (Area II) or History (Area IV).</b>	
	<b>Total General Education Requirement Hours:</b>	<b>41</b>

### **Major Prerequisite (Pre-Professional) Course Requirements (Area V)**

	Discipline/Course	Hours
	College Chemistry I	<b>4</b>
	College Chemistry II	<b>4</b>
	Natural Science Elective	<b>4</b>
	Statistics (MTH 265, MA 331, or PO/PS/SO 341) <b>or</b> Calculus I	<b>3-4</b>
	CHM 221 Organic Chemistry I <b>or</b> CH 311/CH311L Organic Chemistry I	<b>4-5</b>
	CIS 146 Microcomputer Applications or ITE 301 Problem Solving with Computers	<b>3</b>
	HU 321 Research Sources and Skills	<b>1</b>
	<b>Total Major Prerequisite Requirement Hours:</b>	<b>23-25</b>
	<b>Total General Education and Major Prerequisite Requirement Hours:</b>	<b>64-66</b>

### Professional Course Requirements

	Course	Hours
	BI 301/BI 301L Cell Structure and Function	4
	BI 302/BI 302L Genetics	4
	BI 303/BI 303L General Ecology <b>or</b> BI 453/BI 453L Plant Ecology*	4
	BI 470 Biology Capstone <b>or</b> BI 471 Research Thesis Capstone	1
	Biology elective courses at the 300/400 level approved by faculty advisor	17
	*Students may take both ecology courses (BI 303/BI 303L and BI 453/BI 453L) and count one as a biology elective.	
	<b>Total Professional Requirement Hours:</b>	<b>30</b>

### Ecology and Organismal Option Course Requirements

	Course	Hours
	<b>Complete 12 semester hours</b> from the following (all courses listed are 4 semester hours unless otherwise noted): BI 311/311L Biodiversity of North Alabama BI 313/313L Bioinformatics BI 411/411L Invertebrate Systematics and Morphology BI 420 Field Vertebrate Zoology I: Ichthyology and Herpetology BI 422 Field Vertebrate Zoology II: Ornithology and Mammalogy BI 451/451L Marine Biology BI 453/453L Plant Ecology BI 441, 442, 443, 444 Special Topics in Biology (1-4 Hrs.)* BI 450 Research Seminar (1 Hr.)*	12
	<b>*Content must be approved by faculty advisor</b>	
	<b>Total Option Requirement Hours:</b>	<b>12</b>

The Biology major must complete at least 15 semester hours of upper division biology coursework at Athens State University.

**Exit Exam:** An exit exam is required for graduation and is administered in BI 470 Biology Capstone or BI 471 Research Thesis Capstone. The examination serves the following purposes:

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

There is no cost for taking the examinations, nor is it necessary to undertake any special preparation for the examination. Exit examination questions are drawn from the following areas: Cellular Biology, Ecology (including Field Ecology), Genetics, Vascular and Non-vascular Botany, and Invertebrate and Vertebrate Biology.

### Minor (Required)

	Hours
Required Courses for Minor (minimum 18 hours)	18

	Hours
<b>Total Minimum Hours Required for Completion of Biology Major – Ecology and Organismal Option</b>	<b>124</b>

## Bachelor of Science - Biology Major with Minor in Education (Grades 6-12)

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

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

### Applicable General University Requirements

Students earning the Bachelor of Science (BS) degree with a major in Biology with a minor in Education must satisfy all general University requirements and meet all financial obligations before a degree is awarded. **Additional requirements for this program are:**

- Students must maintain a cumulative GPA of at least 2.75, **and** a minimum GPA of 2.75 in both the Professional Studies and Teaching Field Course Requirements. This is a requirement for student teaching and for graduation.
- Students must have a minimum grade of “C” in any required courses, regardless of whether GPA standards are fulfilled.

### General Education Requirements

Area	Discipline/Course	Hours
I	<b>Written Composition</b>	<b>6</b>
II	<b>Humanities/Fine Arts (12 hours total)</b>	
	Fine arts course	<b>3</b>
	Speech (SPH 106, 107) course	<b>3</b>
	At least one literature course*	<b>3</b>
	Other course in humanities or fine arts	<b>3</b>
III	<b>Mathematics and Natural Sciences (11 hours total)</b>	
	Precalculus Algebra <u>or</u> higher mathematics course	<b>3</b>
	Principles of Biology I and II	<b>8</b>
IV	<b>History/Behavioral and Social Sciences (12 hours total)</b>	
	General psychology course	<b>3</b>
	PSY 210 Human Growth and Development <u>or</u> PS 334 Adolescent Psychology	<b>3</b>
	At least one history course*	<b>3</b>
	Other course in history or behavioral/social science	<b>3</b>
	<b>*Students must complete a 6 hour sequence in either Literature (Area II) or History (Area IV).</b>	
	<b>Total General Education Requirement Hours:</b>	<b>41</b>

### Major Prerequisite (Pre-Professional) Course Requirements (Area V)

	Discipline/Course	Hours
	College Chemistry I	<b>4</b>
	College Chemistry II	<b>4</b>
	Natural Science Elective	<b>4</b>
	Statistics (MTH 265, MA 331, or PO/PS/SO 341) <u>or</u> Calculus I	<b>3-4</b>
	CHM 221 Organic Chemistry I <u>or</u> CH 311/311L Organic Chemistry I	<b>4-5</b>
	HU 321 Research Sources and Skills	<b>1</b>
	<b>Total Major Prerequisite Requirement Hours:</b>	<b>20-22</b>
	<b>Total General Education and Major Prerequisite Requirement Hours:</b>	<b>61-63</b>



### Teaching Field Course Requirements

	<b>Course</b>	<b>Hours</b>
	BI 301/BI 301L Cell Structure and Function	<b>4</b>
	BI 302/BI 302L Genetics	<b>4</b>
	BI 303/BI 303L General Ecology	<b>4</b>
	BI 470 Biology Capstone <u>or</u> BI 471 Research Thesis Capstone	<b>1</b>
	Biology elective courses at the 300/400 level approved by faculty advisor	<b>17</b>
	<b>Total Teaching Field Requirement Hours:</b>	<b>30</b>
	<b>(Total Credit Hours in Biology including Areas I-V: 38)</b>	

### Professional Studies Course Requirements (Education Minor)

	<b>Course</b>	<b>Hours</b>
	ED 301 Introduction to Teaching	<b>1</b>
	ED 302 Foundations of Education	<b>3</b>
	ED 305 Technology & Media in Education (fulfills CIS 146 major/degree prerequisite requirement in Biology major)	<b>3</b>
	<b><u>SC 331 Classroom Management in Secondary Education</u></b>	<b>3</b>
	SC 333 Teaching Reading/Writing in the Content Areas	<b>3</b>
	<b><u>SC 362 Assessment and Evaluation in Secondary Education</u></b>	<b>3</b>
	SE 301 Survey of Exceptional Learners	<b>3</b>
	SC 400 Field Work Practicum I	<b>1</b>
	<b><u>SC 401 Field Work Practicum II</u></b>	<b>1</b>
	<b><u>BI 456 Materials/Methods of Teaching Biology in the Middle School/High School</u></b>	<b>3</b>
	<b><u>SC 486 Internship in High School Education</u></b>	<b>4-12</b>
	<b>Total Professional Studies Requirement Hours:</b>	<b>28</b>

Courses boldfaced and underlined in any of the tables above require admission to the Teacher Education Program (TEP) and may not be fulfilled by substituting courses completed at another college or university.

To submit a substitution request for other teaching field and professional courses completed at another college or university, students are required to provide an electronic copy of the course syllabus and/or description to their faculty advisor. This is an Alabama State Department of Education requirement. The Alabama State Department of Education ultimately decides whether or not a course will count as a substitution for an Athens State course after the syllabus and supporting documentation is evaluated.

All students seeking a degree from the College of Education, or a degree from the College of Arts and Sciences with a minor in Education, and subsequent licensure and certification by the State of Alabama, are required to pass the appropriate Praxis II exams for their program of study. A complete listing of these exams along with required scoring information can be reviewed on the College of Education's webpage. **It is the student's responsibility to schedule and take these exams prior to applying for internship (student teaching).**

**A student who does not complete all of the above Professional Studies requirements for the minor in Education and who does not wish to seek certification from the State of Alabama may still fulfill the requirements for the Biology major with a minor in Professional Studies (see minors section of this catalog).**

**This program of study is open to any student. Students who do not fulfill all Professional Studies Course requirements will not be eligible for licensure and certification by the Alabama State Department of Education.**

**General Electives**

	Elective hours as needed to meet minimum 124 hour requirement and all other general University requirements	<b>3-5</b>

		<b>Hours</b>
	<b>Total Minimum Hours Required for Completion of Biology Major with minor in Education</b>	<b>124</b>

## Marine Environmental Sciences Consortium

Athens State University is a member of the Marine Environmental Sciences Consortium (MESC), 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. 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 an Athens State faculty member in Biology. Active courses of undergraduate instruction sponsored by the MESC 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 & Evolution of Marine Fishes	Coastal Climatology
Marine Botany	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 degree programs in Chemistry prepare students for careers in industry or government, graduate or professional study, or secondary school teaching. By means of a rigorous program of chemistry courses through formal classroom instruction, laboratory exercises involving wet chemistry, instrumentation, and computer software packages, directed study, and research, students obtain a strong academic background in chemistry and its applications. The curriculum offers flexibility for students to design and prepare for their chosen career or educational path by selecting appropriate electives based on their particular area of interest. The program's goals are aimed at: (1) providing a knowledge base of chemistry theory and concepts; (2) teaching a systematic, thoughtful approach to problem solving; and (3) having graduates communicate scientific information clearly and concisely.

### Bachelor of Science - Chemistry Major

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

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

#### Applicable General University Requirements

Students earning the Bachelor of Science (BS) degree with a major in Chemistry must satisfy all general University requirements and meet all financial obligations before a degree is awarded.

#### General Education Requirements

Area	Discipline/Course	Hours
I	<b>Written Composition</b>	<b>6</b>
II	<b>Humanities/Fine Arts (12 hours total)</b>	
	At least one fine arts course	<b>3</b>
	At least one literature course*	<b>3</b>
	Other courses in humanities or fine arts	<b>6</b>
III	<b>Mathematics and Natural Sciences (12 hours total)</b>	
	Calculus I**	<b>4</b>
	College Chemistry I and II	<b>8</b>
	<b>**Prerequisites: Precalculus Algebra and Precalculus Trigonometry</b>	
IV	<b>History/Behavioral and Social Sciences (12 hours total)</b>	
	At least one history course*	<b>3</b>
	Other courses in history or behavioral/social science	<b>9</b>
	<b>*Students must complete a 6 hour sequence in either Literature (Area II) or History (Area IV).</b>	
	<b>Total General Education Requirement Hours:</b>	<b>42</b>

#### Major Prerequisite (Pre-Professional) Course Requirements (Area V)

	Discipline/Course	Hours
	Calculus II	<b>4</b>
	Calculus III	<b>4</b>
	General Physics I (calculus-based)	<b>4</b>
	General Physics II (calculus-based)	<b>4</b>
	CIS 146 Microcomputer Applications or ITE 301 Problem Solving with Computers	<b>3</b>
	HU 321 Research Sources and Skills	<b>1</b>
	<b>Total Major Prerequisite Requirement Hours:</b>	<b>20</b>
	<b>Total General Education and Major Prerequisite Requirement Hours:</b>	<b>62</b>

### Professional Course Requirements

	Course	Hours
	CH 311/CH 311L Organic Chemistry I	5
	CH 312/CH 312L Organic Chemistry II	5
	CH 314 /CH 314L Polymer Science*	4
	CH 324/CH 324L Analytical Chemistry	4
	CH 330 Environmental Chemistry*	3
	CH 410/CH 410L Instrumental Analysis	4
	CH 420 Intermediate Inorganic Chemistry	3
	CH 430/CH 430L Physical Chemistry I	5
	CH 431/CH 431L Physical Chemistry II	4
	* Students who plan to attend medical school or health related professional (e.g., veterinary, chiropractic, osteopathic, pharmacy) schools may substitute CH 409 Biochemistry (3 Sem. Hrs.) for either CH 314 or CH 330. Students planning to pursue a minor in Education may substitute CH409 for CH314.	
	<b>Total Professional Requirement Hours:</b>	<b>36-37</b>

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 students who plan to attend graduate, medical, or other professional school, the following courses are recommended: CH 409 Biochemistry; MA 321 Differential Equations.

**Exit Exam:** During the final term of enrollment at Athens State, the chemistry major must complete the Departmental exit exam.

**A minor is not required.**

### General Electives

	Elective hours as needed to meet minimum 124 hour requirement and all other general University requirements	25-26

		Hours
	<b>Total Minimum Hours Required for Completion of Chemistry Major</b>	<b>124</b>

## Bachelor of Science - Chemistry Major with Minor in Education (Grades 6-12)

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

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

### Applicable General University Requirements

Students earning the Bachelor of Science (BS) degree with a major in Chemistry with a minor in Education must satisfy all general University requirements and meet all financial obligations before a degree is awarded. **Additional requirements for this program are:**

- Students must maintain a cumulative GPA of at least 2.75, **and** a minimum GPA of 2.75 in both the Professional Studies and Teaching Field Course Requirements. This is a requirement for student teaching and for graduation.
- Students must have a minimum grade of "C" in any required courses, regardless of whether GPA standards are fulfilled.

### General Education Requirements

Area	Discipline/Course	Hours
I	<b>Written Composition</b>	<b>6</b>
II	<b>Humanities/Fine Arts (12 hours total)</b>	
	Fine arts course	<b>3</b>
	Speech (SPH 106, 107) course	<b>3</b>
	At least one literature course*	<b>3</b>
	Other course in humanities or fine arts	<b>3</b>
III	<b>Mathematics and Natural Sciences (11 hours total)</b>	
	Calculus I**	<b>4</b>
	College Chemistry I and II	<b>8</b>
	<b>**Prerequisites: Precalculus Algebra and Precalculus Trigonometry</b>	
IV	<b>History/Behavioral and Social Sciences (12 hours total)</b>	
	General psychology course	<b>3</b>
	PSY 210 Human Growth and Development <b>or</b> PS 334 Adolescent Psychology	<b>3</b>
	At least one history course*	<b>3</b>
	Other course in history or behavioral/social science	<b>3</b>
	<b>*Students must complete a 6 hour sequence in either Literature (Area II) or History (Area IV).</b>	
	<b>Total General Education Requirement Hours:</b>	<b>42</b>

### Major Prerequisite (Pre-Professional) Course Requirements (Area V)

Discipline/Course	Hours
Calculus II	<b>4</b>
Calculus III	<b>4</b>
General Physics I (Calculus based)	<b>4</b>
General Physics II (Calculus based)	<b>4</b>
HU 321 Research Sources and Skills	<b>1</b>
<b>Total Major Prerequisite Requirement Hours:</b>	<b>17</b>
<b>Total General Education and Major Prerequisite Requirement Hours:</b>	<b>59</b>

## Teaching Field Course Requirements

	Course	Hours
	CH 311/CH 311L Organic Chemistry I	5
	CH 312/CH 312L Organic Chemistry II	5
	CH 324/CH 324L Analytical Chemistry	4
	CH 330 Environmental Chemistry	3
	CH 409 Biochemistry	3
	CH 410/CH 410L Instrumental Analysis	4
	CH 420 Intermediate Inorganic Chemistry	3
	CH 430/CH 430L Physical Chemistry I	5
	CH 431/CH 431L Physical Chemistry II	4
	<b>Total Teaching Field Requirement Hours:</b>	<b>36</b>
	<b>(Total Credit Hours in Chemistry including Areas I-V: 44)</b>	

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

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

## Professional Studies Course Requirements (Education Minor)

	Course	Hours
	ED 301 Introduction to Teaching	1
	ED 302 Foundations of Education	3
	ED 305 Technology & Media in Education (fulfills CIS 146 major/degree prerequisite requirement in Chemistry major)	3
	<b><u>SC 331 Classroom Management in Secondary Education</u></b>	<b>3</b>
	SC 333 Teaching Reading/Writing in the Content Areas	3
	<b><u>SC 362 Assessment and Evaluation in Secondary Education</u></b>	<b>3</b>
	SE 301 Survey of Exceptional Learners	3
	SC 400 Field Work Practicum I	1
	<b><u>SC 401 Field Work Practicum II</u></b>	<b>1</b>
	<b><u>CH 456 Materials/Methods of Teaching Chemistry in the Middle School/High School</u></b>	<b>3</b>
	<b><u>SC 486 Internship in High School Education</u></b>	<b>4-12</b>
	<b>Total Professional Studies Requirement Hours:</b>	<b>28</b>

Courses boldfaced and underlined in any of the tables above require admission to the Teacher Education Program (TEP) and may not be fulfilled by substituting courses completed at another college or university.

To submit a substitution request for other teaching field or professional courses completed at another college or university, students are required to provide an electronic copy of the course syllabus and/or description to their faculty advisor. This is an Alabama State Department of Education requirement. The Alabama State Department of Education ultimately decides whether or not a course will count as a substitution for an Athens State course after the syllabus and supporting documentation is evaluated.

All students seeking a degree from the College of Education, or a degree from the College of Arts and Sciences with a minor in Education, and subsequent licensure and certification by the State of Alabama, are required to pass the appropriate Praxis II exams for their program of study. A complete listing of these exams along with required scoring information can be reviewed on the College of Education's webpage. **It is the student's responsibility to schedule and take these exams prior to applying for internship (student teaching).**

**A student who does not complete all of the above Professional Studies requirements for the minor in Education and who does not wish to seek certification from the State of Alabama may still fulfill the requirements for the Chemistry major with**

a minor in Professional Studies (see minors section of this catalog).

This program of study is open to any student. Students who do not fulfill all Professional Studies Course requirements will not be eligible for licensure and certification by the Alabama State Department of Education.

**General Electives**

	Elective hours as needed to meet minimum 124 hour requirement and all other general University requirements	<b>1</b>

		<b>Hours</b>
	<b>Total Minimum Hours Required for Completion of Chemistry Major with minor in Education</b>	<b>124</b>



## COMPUTER SCIENCE (CS)

The degree programs in Computer Science provide students with a strong foundation in programming, problem analysis, problem solving, and software engineering, significantly supplemented with practical experience using hardware and software resources available in contemporary computer laboratories maintained by the Department. There are two Computer Science major tracks: Computer Science, and Computer Science with a Concentration in Information Security. The Computer Science major curriculum is designed to prepare students for business and industry or graduate school. The curriculum for the Computer Science major with a Concentration in Information Security provides students with the knowledge of technologies and methods to protect the confidentiality, integrity, and availability of information and the computing devices that store information. The goal of this curriculum is to prepare students to be able to demonstrate understanding of information assurance issues, and have the skills to solve problems related to computer programming, computer networking, and information security.

The Computer Science Program adheres to the following requirements related to course substitutions for both Computer Science options:

- Introduction to Information Systems and BASIC Programming courses will not satisfy the Computer Science professional elective requirement.
- “System Analysis and Design” courses cannot be substituted for CS 451 or CS 452.
- “Work-based” credit cannot be substituted for CS 451 or CS 452 or CN courses.
- Computer certification examinations will not substitute for any required or elective coursework.

### Computer Science Program Objectives: At time of graduation

The computer science program strives to: (1) enhance the student’s knowledge of mathematics and computer science; (2) cultivate analytical and problem-solving skills; (3) instill an appreciation for ethical principles to face the challenges posed by the development and uses of new technology and advanced scientific inquiry; and (4) instruct students to communicate ideas clearly orally and in writing.

The program goals are supported through four program objectives (PO) at time of graduation:

- PO1. Develop knowledge of fundamental core concepts of Computer Science and their applications,
- PO2. Develop analytical and problem-solving skills,
- PO3. Learn large-scale project development in a team development environment,
- PO4. Demonstrate oral and written communication skills.

### Computer Science Program Objectives: 2 – 3 years after graduation

The Bachelor of Science with a major in Computer Science produces graduates who:

- PO5. Are academically prepared to continue to graduate study or advance in their workplace,
- PO6. Are skilled, competent, and capable of contributing to the workforce in their specialty,
- PO7. Use the background they have acquired from their study of a wide range of areas in computer science as a basis for continued self-motivated growth of their professional skills and knowledge,
- PO8. Model high ethical standards within the community and profession,
- PO9. Use teamwork skills effectively in the development of computer software systems.

## Bachelor of Science - Computer Science Major

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

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

### Applicable General University Requirements

Students earning the Bachelor of Science (BS) degree with a major in Computer Science must satisfy all general University requirements and meet all financial obligations before a degree is awarded.

### General Education Requirements

Area	Discipline/Course	Hours
I	<b>Written Composition</b>	<b>6</b>
II	<b>Humanities/Fine Arts (12 hours total)</b>	
	At least one fine arts course	<b>3</b>
	At least one literature course*	<b>3</b>
	Other courses in humanities or fine arts	<b>6</b>
III	<b>Mathematics and Natural Sciences (11 hours total)</b>	
	Precalculus Algebra <u>or</u> Precalculus Algebra and Trigonometry	<b>3</b>
	Natural Sciences (lab based)	<b>8</b>
IV	<b>History/Behavioral and Social Sciences (12 hours total)</b>	
	At least one history course*	<b>3</b>
	Other courses in history or behavioral/social science	<b>9</b>
	<b>*Students must complete a 6 hour sequence in either Literature (Area II) or History (Area IV).</b>	
	<b>Total General Education Requirement Hours:</b>	<b>41</b>

### Major Prerequisite (Pre-Professional) Course Requirements (Area V)

Discipline/Course	Hours
Precalculus Trigonometry*	<b>3</b>
Calculus I	<b>4</b>
Calculus II	<b>4</b>
Calculus III	<b>4</b>
Microcomputer Applications	<b>3</b>
Computer Programming Course	<b>3</b>
CS 317 Computer Science I <u>or</u> sufficient score on Placement Exam	<b>0-3</b>
HU 321 Research Sources and Skills	<b>1</b>
*If Precalculus Algebra (3 hours) is completed to satisfy the Area III mathematics requirement, the student should complete Precalculus Trigonometry (3 hours) in addition to Precalculus Algebra. Completion of Precalculus Algebra and Trigonometry (4 hours) will satisfy both the Area III mathematics requirement and the Area V requirement for Trigonometry. If the 4 hour Precalculus course has been taken, additional general electives may be required.	
<b>Total Major Prerequisite Requirement Hours:</b>	<b>22-25</b>
<b>Total General Education and Major Prerequisite Requirement Hours:</b>	<b>63-66</b>

## Professional Course Requirements

	<b>Fundamentals of Computer Science Courses</b>	<b>Hours</b>
	CS 318 Computer Science II	<b>3</b>
	CS 309 Introduction to Digital Logic Design	<b>3</b>
	CS 309L Digital Design Lab	<b>1</b>
	CS 310 Professional Ethics of Computing	<b>1</b>
	CS 372 Data Structures	<b>3</b>
	MA 308 Discrete Mathematics	<b>3</b>
	<b>Mathematics Background Courses</b>	
	MA 310 Matrices and Linear Algebra	<b>3</b>
	MA 331 Applied Probability and Statistics	<b>3</b>
	Upper Level 300/400 Mathematics electives (MA 316, 320, or 400-level MA courses except MA 454) with prior approval of the faculty advisor	<b>6</b>
	<b>Fundamentals of Computer Networking Courses</b>	
	CN 301 Networking Fundamentals	<b>2</b>
	CN 302 Local Area Networks	<b>2</b>
	<b>Computer Science Core Courses</b>	
	CS 414 Programming Language	<b>3</b>
	CS 415 Operating Systems	<b>3</b>
	<b>Capstone Experience Courses</b>	
	CS 451 Software Engineering	<b>3</b>
	CS 452 Senior Software Engineering Project	<b>3</b>
	CS 452L Senior Software Engineering Project Lab	<b>1</b>
	<b>Total Professional Requirement Hours:</b>	<b>43</b>

## Additional Program Requirements

In addition to the Professional Courses above, Computer Science majors must complete **either**

- Additional Required Computer Science and Information Technology Courses, **OR**
- The Concentration in Information Security.

<b>Additional Required Computer Science and Information Technology Courses</b>		
	<b>Computer Science and Information Technology Advanced Courses</b>	
	CS 340 Introduction to Assembly Language	<b>3</b>
	CS 417 Topics in Object Oriented Programming	<b>3</b>
	CS 472 Algorithm Analysis	<b>3</b>
	ITE 440 Database Systems	<b>3</b>
	<b>Upper Level Electives in CS, ITE, CN</b>	
	300/400-level Electives in CS, ITE, or CN taken at Athens State with prior approval of the faculty advisor (except ITE 301, CS 305, CS 317)	<b>3</b>
	400-level Elective in CS, ITE, or CN taken at Athens State with prior approval of the faculty advisor	<b>3</b>
	<b>Total Additional Requirement Hours:</b>	<b>18</b>

<b>Concentration in Information Security</b>		
	<b>Computer Networking Advanced Courses</b>	
	CN 303 Wide Area Networks	<b>2</b>
	CN 304 Network Architectures	<b>2</b>
	CN 405 Network Security	<b>3</b>
	CN 405L Network Security Lab	<b>1</b>
	<b>Information Security Courses</b>	
	ITE 420 Foundations of Information Security	<b>3</b>
	ITE 421 Digital Forensics	<b>3</b>
	CS 454 System Security Management	<b>3</b>
	CS 484 Applied Cryptography and System Security	<b>3</b>
	<b>Technology Management Courses</b>	
	IAM 409 Management of Information Assurance	<b>3</b>
	<b>Total Concentration Requirement Hours:</b>	<b>23</b>

The Computer Science major must complete a minimum of 24 semester hours of upper division 300/400 level coursework in computer science (CS), Information Technology (ITE), or Computer Networking (CN) at Athens State University.

**Exit Exam:** An exit exam is required for graduation. The departmental exit exam will be taken while enrolled in CS 452 Senior Software Engineering Project.

A minor is not required.

	<b>Hours</b>
<b>Total Minimum Hours Required for Completion of Computer Science Major with Additional Required Courses in Computer Science and Information Technology</b>	<b>124-127</b>
<b>Total Minimum Hours Required for Completion of Computer Science Major with Concentration in Information Security</b>	<b>129-132</b>

## CRIMINAL JUSTICE (CJ)

The degree programs in Criminal Justice, which include a major option in Juvenile Justice Studies, an interdisciplinary minor in Computer Forensics, and a CAST certification, provide students with a knowledge base of the criminal, constitutional, and correctional law process through theoretical concepts of crime causation and control, and policymaking and management practices within criminal justice agencies. Program graduates have the skills and competencies to pursue graduate studies in the criminal justice field or gain employment in positions in law enforcement, correctional administration, judicial administration, social agencies, non-profits, probation and parole, security and investigation in government and private sectors.

### Bachelor of Science – Criminal Justice Major

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

**Program components of the Bachelor of Science degree with a major in Criminal Justice:**

#### Applicable General University Requirements

Students earning the Bachelor of Science (BS) degree with a major in Criminal Justice must satisfy all general University requirements and meet all financial obligations before a degree is awarded.

#### General Education Requirements

Area	Discipline/Course	Hours
I	<b>Written Composition</b>	<b>6</b>
II	<b>Humanities/Fine Arts (12 hours total)</b>	
	At least one fine arts course	<b>3</b>
	At least one literature course*	<b>3</b>
	Other courses in humanities or fine arts	<b>6</b>
III	<b>Mathematics and Natural Sciences (11 hours total)</b>	
	Finite math <u>or</u> higher mathematics course	<b>3</b>
	Natural Sciences (lab based)	<b>8</b>
IV	<b>History/Behavioral and Social Sciences (12 hours total)</b>	
	At least one history course*	<b>3</b>
	Other courses in history or behavioral/social science	<b>9</b>
	<b>*Students must complete a 6 hour sequence in either Literature (Area II) or History (Area IV).</b>	
	<b>Total General Education Requirement Hours:</b>	<b>41</b>

#### Major Prerequisite (Pre-Professional) Course Requirements (Area V)

Discipline/Course	Hours
Introduction to Criminal Justice	<b>3</b>
Law Enforcement <u>or</u> Policing <u>or</u> Corrections <u>or</u> Security	<b>3</b>
CIS 146 Microcomputer Applications <u>or</u> ITE 301 Problem Solving with Computers	<b>3</b>
HU 321 Research Sources and Skills	<b>1</b>
<b>Total Major Prerequisite Requirement Hours:</b>	<b>10</b>
<b>Total General Education and Major Prerequisite Requirement Hours:</b>	<b>51</b>

**Professional Course Requirements**

	<b>Course</b>	<b>Hours</b>
	CJ 301 Criminal Justice Process	<b>3</b>
	CJ/PO 302 Criminal Law	<b>3</b>
	CJ 400 Law Enforcement in America	<b>3</b>
	CJ 401 Adult Corrections	<b>3</b>
	CJ 452 Advanced Criminology	<b>3</b>
	CJ 453 Juvenile Delinquency	<b>3</b>
	PO 303 Comparative State and Local Government	<b>3</b>
	PO/PS/SO 342 Methods of Behavioral Science Research <b>or</b> HPE 401 Measurement and Evaluation	<b>3</b>
	PO 377 Public Administration	<b>3</b>
	CJ/PO/PSHA 455 Ethics in the Public Sector	<b>3</b>
	CJ 464 Internship in Criminal Justice	<b>3</b>
	CJ 465 Senior Research Project	<b>4</b>
	Criminal Justice Electives, Children’s Advocacy Studies Training (CAST) Electives, CH 302 Introduction to Forensic Science, ITE 321 Systems Analysis and Design, or ITE 421 Digital Forensics	<b>6</b>
	<b>Total Professional Requirement Hours:</b>	<b>43</b>

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

**A minor is not required.**

**General Electives**

	Elective hours as needed to meet minimum 124 hour requirement and all other general University requirements	<b>30</b>
--	---	-----------

		<b>Hours</b>
	<b>Total Minimum Hours Required for Completion of Criminal Justice Major</b>	<b>124</b>

## Bachelor of Science – Criminal Justice Major: Juvenile Justice Studies Option

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

Program components of the Bachelor of Science degree with a major in Criminal Justice – Juvenile Justice Option:

### Applicable General University Requirements

Students earning the Bachelor of Science (BS) degree with a major in Criminal Justice – Juvenile Justice Studies Option must satisfy all general University requirements and meet all financial obligations before a degree is awarded.

### General Education Requirements

Area	Discipline/Course	Hours
I	<b>Written Composition</b>	<b>6</b>
II	<b>Humanities/Fine Arts (12 hours total)</b>	
	At least one fine arts course	<b>3</b>
	At least one literature course*	<b>3</b>
	Other courses in humanities or fine arts	<b>6</b>
III	<b>Mathematics and Natural Sciences (11 hours total)</b>	
	Finite math <b>or</b> higher mathematics course	<b>3</b>
	Natural Sciences (lab based)	<b>8</b>
IV	<b>History/Behavioral and Social Sciences (12 hours total)</b>	
	At least one history course*	<b>3</b>
	Other courses in history or behavioral/social science	<b>9</b>
	<b>*Students must complete a 6 hour sequence in either Literature (Area II) or History (Area IV).</b>	
	<b>Total General Education Requirement Hours:</b>	<b>41</b>

### Major Prerequisite (Pre-Professional) Course Requirements (Area V)

	Discipline/Course	Hours
	Introduction to Criminal Justice	<b>3</b>
	Law Enforcement <b>or</b> Policing <b>or</b> Corrections <b>or</b> Security	<b>3</b>
	CIS 146 Microcomputer Applications <b>or</b> ITE 301 Problem Solving with Computers	<b>3</b>
	HU 321 Research Sources and Skills	<b>1</b>
	<b>Total Major Prerequisite Requirement Hours:</b>	<b>10</b>
	<b>Total General Education and Major Prerequisite Requirement Hours:</b>	<b>51</b>

**Professional Course Requirements**

	<b>Course</b>	<b>Hours</b>
	CJ 301 Criminal Justice Process	<b>3</b>
	CJ/PO 302 Criminal Law	<b>3</b>
	CJ 400 Law Enforcement in America	<b>3</b>
	CJ 401 Adult Corrections	<b>3</b>
	CJ 452 Advanced Criminology	<b>3</b>
	CJ 453 Juvenile Delinquency	<b>3</b>
	PS 304 Drugs and Behavior <u>or</u> SO 362 Deviant Social Behavior	<b>3</b>
	PS 332 Child Psychology <u>or</u> PS 334 Adolescent Psychology	<b>3</b>
	PS 352 Abnormal Psychology <u>or</u> PS 420 Cognitive Psychology	<b>3</b>
	CA 301 Perspectives on Child Maltreatment & Child Advocacy	<b>3</b>
	CA 302 Global Child Advocacy Issues	<b>3</b>
	CA 401 Child Advocacy II: Professional and System Responses to Child Maltreatment	<b>4</b>
	HPE 401 Measurement and Evaluation	<b>3</b>
	CJ 464 Internship in Criminal Justice	<b>3</b>
	CJ 465 Senior Research Project	<b>4</b>
	<b>Total Professional Requirement Hours:</b>	<b>47</b>

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

A minor is not required.

**General Electives**

	Elective hours as needed to meet minimum 124 hour requirement and all other general University requirements (CJ/PO/PSHA 350 Introduction to the American Legal System and CJ/PO/PSHA 455 Ethics in the Public Sector are recommended)	<b>26</b>
--	---	-----------

		<b>Hours</b>
	<b>Total Minimum Hours Required for Completion of Criminal Justice Major – Juvenile Justice Studies Option</b>	<b>124</b>



## DRAMA AND THEATRE ARTS

The Drama and Theatre Arts program at Athens State University is designed to expand the activities and educational opportunities in the dramatic and theatre arts by offering students with any experience level in college theatre to seamlessly transfer into completing a Bachelor of Arts in Drama and Theatre Arts with Athens State University. Students earning a BA in Drama and Theatre Arts will acquire various fundamental performance and production techniques, develop dramaturgical skills by learning to critically analyze dramatic literature through historical and aesthetic movements in a variety of arts, and gain knowledge of theatre history, dramatic literature, dramatic theory, as well as current trends in the arts. Drama and Theatre Arts majors are also desirable employee candidates in a variety of areas such as acting, directing, writing, producing, managing, designing, set construction, teaching, community activism, and art center management. The required academic training through research and scholarly writing, accompanied by practical artistic experience with three annual mainstage productions, will allow Drama and Theatre Arts graduates to create a professional portfolio that is immediately applicable to continue their studies in a MA or MFA program in Drama, Theatre Arts, Performance Studies, Educational Theatre, Theatre Arts Administration, Acting, Directing, Playwriting, Set Design, Lighting Design, and Costume Design.

### Bachelor of Arts – Drama and Theatre Arts Major

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

**Program components for the Bachelor of Arts degree with a major in Drama and Theatre Arts:**

#### Applicable General University Requirements

Students earning the Bachelor of Arts (BA) degree with a major in Drama and Theatre Arts must satisfy all general University requirements and meet all financial obligations before a degree is awarded.

#### General Education Requirements

Area	Discipline/Course	Hours
I	<b>Written Composition</b>	<b>6</b>
II	<b>Humanities/Fine Arts (12 hours total)</b>	
	At least one fine arts course	<b>3</b>
	At least two literature courses* (ENG 251 American Literature I and ENG 252 American Literature II recommended)	<b>6</b>
	Other course in humanities or fine arts	<b>3</b>
III	<b>Mathematics and Natural Sciences (11 hours total)</b>	
	Finite math <u>or</u> higher mathematics course	<b>3</b>
	Natural Sciences (lab based)	<b>8</b>
IV	<b>History/Behavioral and Social Sciences (12 hours total)</b>	
	At least one history course*	<b>3</b>
	Other courses in history or behavioral/social science	<b>9</b>
	<b>*Students must complete a 6 hour sequence in either Literature (Area II) or History (Area IV).</b>	
	<b>Total General Education Requirement Hours:</b>	<b>41</b>

#### Major Prerequisite (Pre-Professional) Course Requirements (Area V)

	Discipline/Course	Hours
	CIS 146 Microcomputer Applications <u>or</u> ITE 301 Problem Solving with Computers	<b>3</b>
	HU 321 Research Sources and Skills	<b>1</b>
	<b>Total Major Prerequisite Requirement Hours:</b>	<b>4</b>
	<b>Total General Education and Major Prerequisite Requirement Hours:</b>	<b>45</b>

### Professional Course Requirements

	<b>Course</b>	<b>Hours</b>
	EH 310 Film: History, Development, & Evaluation <u>or</u> EH 332 Adaptation & the Arts <u>or</u> EH 405 Playwriting	<b>3</b>
	EH 311 Drama Production	<b>3</b>
	EH 312 Dramatic Literature	<b>3</b>
	EH 313 Modern American Drama	<b>3</b>
	EH 319 Technical Theatre <u>or</u> EH 322 Costume Design	<b>3</b>
	EH 325 Myth: Ritual and Culture	<b>3</b>
	EH 331 Dramatic Theory & Criticism	<b>3</b>
	EH 333 Acting I	<b>3</b>
	EH 334 Acting II: Scene Study and Acting Shakespeare <u>or</u> EH 335 Movement and Stage Combat	<b>3</b>
	EH 425 Shakespeare	<b>3</b>
	EH 426 Renaissance Drama <u>or</u> EH 455 Theatre for Young Audiences	<b>3</b>
	EH 431 Poetry and Poetics	<b>3</b>
	EH 466 Practicum in Production	<b>3</b>
	EH 469 English Capstone Seminar (must be taken during semester in which student graduates)	<b>1</b>
	<b>Total Professional Requirement Hours:</b>	<b>40</b>

**Exit Exam:** All B.A. Drama and Theatre Arts majors must take an exit exam, which will be administered in the EH 469 English Capstone Seminar.

### Minor (Required)

		<b>Hours</b>
	Required courses for minor (minimum 18 hours – a minor in English, History, Art, Professional Studies, or Business is recommended)	<b>18</b>

### General Electives

		<b>Hours</b>
	Elective hours (English, History, or Theatre courses recommended) as needed to meet minimum 124 hour requirement and all other general University requirements	<b>21</b>

		<b>Hours</b>
	<b>Total Minimum Hours Required for Completion of Drama and Theatre Arts Major</b>	<b>124</b>

## ENGLISH (EH)

The English programs at Athens State University are designed to convey to students a broad historical knowledge of English, American, and world literature in translation; to provide students with various tools to read critically works of diverse authors, periods, and genres; to cultivate a sophisticated habit of comprehending major problems, trends, and methods of literary, cultural, ethical, critical, and theoretical analysis; to develop the ability to pose questions, organize knowledge, and construct written arguments while systematically reviewing both technological and technical matters such as grammar, punctuation, and usage; and to be articulately conversant in all of the above. Thus, the English programs are multifaceted. Students will find that the reading, writing, speaking, and critical thinking skills developed in these courses of study will help them pursue careers in virtually any field. In addition to pursuing advanced degrees from graduate and professional schools, English majors are desirable employee candidates for teaching from elementary up through higher education, teaching English abroad, technical writing, editing, book and print publishing, web publishing, law, library science, and management. While offering students clear direction on how to profit most from their study within the disciplinary knowledge of the English department, the programs also seek to encourage students to assume the enduring habits of questioning, reading, and intellectual self-articulation consistent with Athens State University's learning goals of global understanding, effective communication, intellectual and practical skills, ethical responsibility, human diversity, digital citizenship and information literacy, and lifelong learner.

### Bachelor of Arts – English Major

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

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

#### Applicable General University Requirements

Students earning the Bachelor of Arts (BA) degree with a major in English must satisfy all general University requirements and meet all financial obligations before a degree is awarded.

#### General Education Requirements

Area	Discipline/Course	Hours
I	<b>Written Composition</b>	<b>6</b>
II	<b>Humanities/Fine Arts (12 hours total)</b>	
	At least one fine arts course	<b>3</b>
	At least one literature course*	<b>3</b>
	Other courses in humanities or fine arts	<b>6</b>
III	<b>Mathematics and Natural Sciences (11 hours total)</b>	
	Finite math <u>or</u> higher mathematics course	<b>3</b>
	Natural Sciences (lab based)	<b>8</b>
IV	<b>History/Behavioral and Social Sciences (12 hours total)</b>	
	At least one history course*	<b>3</b>
	Other courses in history or behavioral/social science	<b>9</b>
	<b>*Students must complete a 6 hour sequence in either Literature (Area II) or History (Area IV).</b>	
	<b>Total General Education Requirement Hours:</b>	<b>41</b>

#### Major Prerequisite (Pre-Professional) Course Requirements (Area V)

	Discipline/Course	Hours
	CIS 146 Microcomputer Applications <u>or</u> ITE 301 Problem Solving with Computers	<b>3</b>
	HU 321 Research Sources and Skills	<b>1</b>
	<b>Total Major Prerequisite Requirement Hours:</b>	<b>4</b>
	<b>Total General Education and Major Prerequisite Requirement Hours:</b>	<b>45</b>

**Professional Course Requirements**

	<b>Course</b>	<b>Hours</b>
	EH 312 Dramatic Literature	<b>3</b>
	EH 325 Myth: Ritual and Culture	<b>3</b>
	EH 330 Literary and Critical Theory	<b>3</b>
	EH 414 History of the English Language	<b>3</b>
	EH 425 Shakespeare	<b>3</b>
	EH 431 Poetry and Poetics	<b>3</b>
	EH 433 Fiction	<b>3</b>
	EH 452 Chaucer and Medieval Literature	<b>3</b>
	EH 469 English Capstone Seminar (must be taken during semester in which student graduates)	<b>1</b>
	Elective courses in English - Choose <b>five</b> courses from the following: EH 304 Southern Literature EH 307 Major Authors I EH 308 Major Authors II EH 314 19 <sup>th</sup> Century British Studies EH 316 American Masterpieces EH 400 Creative Writing EH/RE 416 Interpreting the Text EH 440 African-American Studies EH 450 Renaissance Literature 1550-1680 EH 451 The British Novel EH 454 Young Adult Literature	<b>15</b>
	<b>Total Professional Requirement Hours:</b>	<b>40</b>

**Exit Exam:** All B.A. English majors must take an exit exam, which will be administered in the EH 469 English Capstone Seminar.

**Minor (Required)**

	<b>Hours</b>
Required courses for minor (minimum 18 hours)	<b>18</b>

**General Electives**

	<b>Hours</b>
Elective hours as needed to meet minimum 124 hour requirement and all other general University requirements	<b>21</b>

	<b>Hours</b>
<b>Total Minimum Hours Required for Completion of English Major</b>	<b>124</b>

## Bachelor of Arts – English/Language Arts Major

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

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

### Applicable General University Requirements

Students earning the Bachelor of Arts (BA) degree with a major in English/Language Arts must satisfy all general University requirements and meet all financial obligations before a degree is awarded.

### General Education Requirements

Area	Discipline/Course	Hours
I	<b>Written Composition</b>	<b>6</b>
II	<b>Humanities/Fine Arts (12 hours total)</b>	
	ENG 261 English Literature I	<b>3</b>
	ENG 262 English Literature II	<b>3</b>
	Speech (SPH 106, 107) course	<b>3</b>
	THR 120 Theatre Appreciation <u>or</u> THR 126 Introduction to Theatre	<b>3</b>
III	<b>Mathematics and Natural Sciences (11 hours total)</b>	
	Finite math <u>or</u> higher mathematics course	<b>3</b>
	Natural sciences (lab-based)	<b>8</b>
IV	<b>History/Behavioral and Social Sciences (12 hours total)</b>	
	General psychology course	<b>3</b>
	PSY 210 Human Growth and Development <u>or</u> PS 334 Adolescent Psychology	<b>3</b>
	At least one history course	<b>3</b>
	Other course in social/behavioral science	<b>3</b>
	<b>Total General Education Requirement Hours:</b>	<b>41</b>

### Major Prerequisite (Pre-Professional) Course Requirements (Area V)

	Discipline/Course	Hours
	ENG 251 American Literature I	<b>3</b>
	ENG 252 American Literature II	<b>3</b>
	ENG 271 World Literature I	<b>3</b>
	ENG 272 World Literature II	<b>3</b>
	CIS 146 Microcomputer Applications or ITE 301 Problem Solving with Computers	<b>3</b>
	HU 321 Research Sources and Skills	<b>1</b>
	<b>Total Major Prerequisite Requirement Hours:</b>	<b>16</b>
	<b>Total General Education and Major Prerequisite Requirement Hours:</b>	<b>57</b>

### **Professional Course Requirements**

	<b>Course</b>	<b>Hours</b>
	EH 303 Journalism	<b>3</b>
	EH 311 Drama Production	<b>3</b>
	EH 312 Dramatic Literature	<b>3</b>
	EH 320 Grammar	<b>3</b>
	EH 325 Myth: Ritual and Culture <b>or</b> EH 454 Young Adult Literature	<b>3</b>
	EH 401 Speech: Conflict Management	<b>3</b>
	EH 414 History of the English Language	<b>3</b>
	EH 425 Shakespeare	<b>3</b>
	EH 431 Poetry and Poetics	<b>3</b>
	EH 433 Fiction <b>or</b> EH 316 American Masterpieces	<b>3</b>
	EH 452 Chaucer and Medieval Literature	<b>3</b>
	EH 469 English Capstone Seminar (must be taken during semester in which student graduates)	<b>1</b>
	<b>Total Professional Requirement Hours:</b>	<b>34</b>

**Exit Exam:** All B.A. English majors must take an exit exam, which will be administered in the EH 469 English Capstone Seminar.

### **Minor (Required)**

		<b>Hours</b>
	Required courses for minor (minimum 18 hours)	<b>18</b>

### **General Electives**

		<b>Hours</b>
	Elective hours as needed to meet minimum 124 hour requirement and all other general University requirements	<b>15</b>

		<b>Hours</b>
	<b>Total Minimum Hours Required for Completion of English/Language Arts Major</b>	<b>124</b>

## Bachelor of Arts – English/Language Arts Major with Minor in Education (Grades 6-12)

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

Program components for the Bachelor of Arts degree with a major in English/Language Arts with a minor in Education:

### Applicable General University Requirements

Students earning the Bachelor of Arts (BA) degree with a major in English/Language Arts with a minor in Education must satisfy all general University requirements and meet all financial obligations before a degree is awarded. **Additional requirements for this program are:**

- Students must maintain a cumulative GPA of at least 2.75, **and** a minimum GPA of 2.75 in both the Professional Studies and Teaching Field Course Requirements. This is a requirement for student teaching and for graduation.
- Students must have a minimum grade of “C” in any required courses, regardless of whether GPA standards are fulfilled.
- Students must complete the 18 semester hours in Literature sequences as required in the General Education and Major Prerequisite Requirements before being admitted to the Teacher Education Program.

### General Education Requirements

Area	Discipline/Course	Hours
<b>I</b>	<b>Written Composition</b>	<b>6</b>
<b>II</b>	<b>Humanities/Fine Arts (12 hours total)</b>	
	ENG 261 English Literature I	<b>3</b>
	ENG 262 English Literature II	<b>3</b>
	Speech (SPH 106, 107) course	<b>3</b>
	THR 120 Theatre Appreciation <u>or</u> THR 126 Introduction to Theatre	<b>3</b>
<b>III</b>	<b>Mathematics and Natural Sciences (11 hours total)</b>	
	Finite math <u>or</u> higher mathematics course	<b>3</b>
	Natural sciences (lab-based)	<b>8</b>
<b>IV</b>	<b>History/Behavioral and Social Sciences (12 hours total)</b>	
	General psychology course	<b>3</b>
	PSY 210 Human Growth and Development <u>or</u> PS 334 Adolescent Psychology	<b>3</b>
	At least one history course	<b>3</b>
	Other course in social/behavioral science	<b>3</b>
<b>Total General Education Requirement Hours:</b>		<b>41</b>

### Major Prerequisite (Pre-Professional) Course Requirements (Area V)

Discipline/Course	Hours	
ENG 251 American Literature I	<b>3</b>	
ENG 252 American Literature II	<b>3</b>	
ENG 271 World Literature I	<b>3</b>	
ENG 272 World Literature II	<b>3</b>	
HU 321 Research Sources and Skills	<b>1</b>	
<b>Total Major Prerequisite Requirement Hours:</b>		<b>13</b>
<b>Total General Education and Major Prerequisite Requirement Hours:</b>		<b>54</b>

### Teaching Field Course Requirements

	Course	Hours
	EH 303 Journalism	3
	EH 311 Drama Production	3
	EH 312 Dramatic Literature	3
	EH 320 Grammar	3
	EH 325 Myth: Ritual and Culture <u>or</u> EH 454 Young Adult Literature	3
	EH 401 Speech: Conflict Management	3
	EH 414 History of the English Language	3
	EH 425 Shakespeare	3
	EH 431 Poetry and Poetics	3
	EH 433 Fiction <u>or</u> EH 316 American Masterpieces	3
	EH 452 Chaucer and Medieval Literature	3
	<b>Total Teaching Field Requirement Hours:</b>	<b>33</b>
	<b>(Total Credit Hours in English including Areas I-V: 51)</b>	

### Professional Studies Course Requirements (Education Minor)

	Course	Hours
	ED 301 Introduction to Teaching	1
	ED 302 Foundations of Education	3
	ED 305 Technology & Media in Education (fulfills CIS 146 major/degree prerequisite requirement in English/Language Arts major)	3
	<b><u>SC 331 Classroom Management in Secondary Education</u></b>	<b>3</b>
	SC 333 Teaching Reading/Writing in the Content Areas	3
	<b><u>SC 362 Assessment and Evaluation in Secondary Education</u></b>	<b>3</b>
	SE 301 Survey of Exceptional Learners	3
	SC 400 Field Work Practicum I	1
	<b><u>SC 401 Field Work Practicum II</u></b>	<b>1</b>
	<b><u>EH 457 Materials/Methods of Teaching English/Language Arts in the Middle School/High School</u></b>	<b>3</b>
	<b><u>SC 486 Internship in High School Education</u></b> (fulfills EH 469 professional requirement in English/Language Arts major)	<b>4-12</b>
	<b>Total Professional Studies Requirement Hours:</b>	<b>28</b>

Courses boldfaced and underlined in any of the tables above require admission to the Teacher Education Program (TEP) and may not be fulfilled by substituting courses completed at another college or university.

To submit a substitution request for other teaching field or professional courses completed at another college or university, students are required to provide an electronic copy of the course syllabus and/or description to their faculty advisor. This is an Alabama State Department of Education requirement. The Alabama State Department of Education ultimately decides whether or not a course will count as a substitution for an Athens State course after the syllabus and supporting documentation is evaluated.

All students seeking a degree from the College of Education, or a degree from the College of Arts and Sciences with a minor in Education, and subsequent licensure and certification by the State of Alabama, are required to pass the appropriate Praxis II exams for their program of study. A complete listing of these exams along with required scoring information can be reviewed on the College of Education's webpage. **It is the student's responsibility to schedule and take these exams prior to applying for internship (student teaching).**

**A student who does not complete all of the above Professional Studies requirements for the minor in Education and who does not wish to seek certification from the State of Alabama may still fulfill the requirements for the English/Language Arts major with a minor in Professional Studies (see minors section of this catalog).**



This program of study is open to any student. Students who do not fulfill all Professional Studies Course requirements will not be eligible for licensure and certification by the Alabama State Department of Education.

**General Electives**

		Hours
	Elective hours as needed to meet minimum 124 hour requirement and all other general University requirements	9

		Hours
	<b>Total Minimum Hours Required for Completion of English/Language Arts Major with minor in Education</b>	<b>124</b>

## HEALTH SCIENCE (HS)

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

### Bachelor of Science - Health Science Major

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

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

#### Applicable General University Requirements

Students earning the Bachelor of Science (BS) degree with a major in Health Science must satisfy all general University requirements and meet all financial obligations before a degree is awarded.

#### General Education Requirements

Area	Discipline/Course	Hours
I	<b>Written Composition</b>	<b>6</b>
II	<b>Humanities/Fine Arts (12 hours total)</b>	
	At least one fine arts course	<b>3</b>
	At least one literature course*	<b>3</b>
	Other courses in humanities or fine arts	<b>6</b>
III	<b>Mathematics and Natural Sciences (11 hours total)</b>	
	Finite math or higher mathematics course	<b>3</b>
	Natural Sciences (lab based)	<b>8</b>
IV	<b>History/Behavioral and Social Sciences (12 hours total)</b>	
	At least one history course*	<b>3</b>
	Other courses in history or behavioral/social science	<b>9</b>
	<b>*Students must complete a 6 hour sequence in either Literature (Area II) or History (Area IV).</b>	
	<b>Total General Education Requirement Hours:</b>	<b>41</b>

#### Major Prerequisite (Pre-Professional) Course Requirements (Area V)

	Discipline/Course	Hours
	CIS 146 Microcomputer Applications or ITE 301 Problem Solving with Computers	<b>3</b>
	Biology, Chemistry, Physics and/or designated science-based allied health courses	<b>16</b>
	HU 321 Research Sources and Skills	<b>1</b>
	<b>Total Major Prerequisite Requirement Hours:</b>	<b>20</b>
	<b>Total General Education and Major Prerequisite Requirement Hours:</b>	<b>61</b>

### **Professional Course Requirements**

	<b>Course</b>	<b>Hours</b>
	BI 320/320L Human Nutrition	<b>4</b>
	HCM 340 Introduction to Health Care Systems	<b>3</b>
	HCM 345 Management of Health Care Organizations	<b>3</b>
	HCM 355 Survey of Issues in Health Care Management	<b>3</b>
	PO 351 American Public Policy/Political Sociology <u>or</u> HS 355 Health Policy in the U.S.	<b>3</b>
	HPE 401 Measurement and Evaluation	<b>3</b>
	HPE 450 Introduction to Epidemiology	<b>3</b>
	HS 320 Biomedical Ethics	<b>3</b>
	HS 400 Public Safety and Health Education	<b>3</b>
	HS 447 Public Health Concepts and Systems	<b>3</b>
	HS 465 Senior Research Project	<b>4</b>
	<b>Total Professional Requirement Hours:</b>	<b>35</b>

A minor is not required.

### **General Electives**

	Elective hours as needed to meet minimum 124 hour requirement and all other general University requirements	<b>28</b>
--	---	-----------

		<b>Hours</b>
	<b>Total Minimum Hours Required for Completion of Health Science Major</b>	<b>124</b>

## HEALTH AND WELLNESS MANAGEMENT (HWM)

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

### Bachelor of Science - Health and Wellness Management Major

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

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

#### Applicable General University Requirements

Students earning the Bachelor of Science (BS) degree with a major in Health and Wellness Management must satisfy all general University requirements and meet all financial obligations before a degree is awarded.

#### General Education Requirements

Area	Discipline/Course	Hours
I	<b>Written Composition</b>	<b>6</b>
II	<b>Humanities/Fine Arts (12 hours total)</b>	
	At least one fine arts course	<b>3</b>
	At least one literature course*	<b>3</b>
	Other courses in humanities or fine arts	<b>6</b>
III	<b>Mathematics and Natural Sciences (11 hours total)</b>	
	Finite math <b>or</b> higher mathematics course	<b>3</b>
	Natural Sciences (lab based)	<b>8</b>
IV	<b>History/Behavioral and Social Sciences (12 hours total)</b>	
	At least one history course*	<b>3</b>
	Other courses in history or behavioral/social science	<b>9</b>
	<b>*Students must complete a 6 hour sequence in either Literature (Area II) or History (Area IV).</b>	
	<b>Total General Education Requirement Hours:</b>	<b>41</b>

#### Major Prerequisite (Pre-Professional) Course Requirements (Area V)

	Discipline/Course	Hours
	Foundations of Physical Education <b>or</b> HPE 326 History and Principles of Physical Education	<b>3</b>
	Personal <b>or</b> Community Health	<b>3</b>
	Safety & First Aid <b>or</b> HPE 323 Aquatics and Advanced Lifesaving	<b>3</b>
	Anatomy and Physiology	<b>4</b>
	CIS 146 Microcomputer Applications <b>or</b> ITE 301 Problem Solving with Computers	<b>3</b>
	Treatment of Athletic Injuries <b>or</b> HPE 333 Care and Prevention of Athletic Injuries	<b>3</b>
	HU 321 Research Sources and Skills	<b>1</b>
	<b>Total Major Prerequisite Requirement Hours:</b>	<b>20</b>
	<b>Total General Education and Major Prerequisite Requirement Hours:</b>	<b>61</b>

### **Professional Course Requirements**

	<b>Course</b>	<b>Hours</b>
	BI 320/320L Human Nutrition	<b>4</b>
	HWM 325 Kinesiology	<b>3</b>
	HWM 327 Physiology of Exercise	<b>3</b>
	HWM 354 Contemporary Health	<b>3</b>
	HWM 355 Health Related Fitness and Nutrition	<b>3</b>
	HWM 356 Health Promotions	<b>3</b>
	HWM 401 Measurement and Evaluation	<b>3</b>
	HWM 450 Introduction to Epidemiology	<b>3</b>
	MG 349 Human Resources Management	<b>3</b>
	HS 447 Public Health Concepts and Systems	<b>3</b>
	HS 465 Senior Research Project	<b>4</b>
	<b>Total Professional Requirement Hours:</b>	<b>35</b>

A minor is not required.

### **General Electives**

	Elective hours as needed to meet minimum 124 hour requirement and all other general University requirements	<b>28</b>
--	---	-----------

		<b>Hours</b>
	<b>Total Minimum Hours Required for Completion of Health and Wellness Management Major</b>	<b>124</b>

## HISTORY (HY)

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

### Bachelor of Arts - History Major

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

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

#### Applicable General University Requirements

Students earning the Bachelor of Arts (BA) degree with a major in History must satisfy all general University requirements and meet all financial obligations before a degree is awarded.

#### General Education Requirements

Area	Discipline/Course	Hours
I	Written Composition	6
II	<b>Humanities/Fine Arts (12 hours total)</b>	
	At least one fine arts course	3
	At least one literature course*	3
	Other courses in humanities or fine arts	6
III	<b>Mathematics and Natural Sciences (11 hours total)</b>	
	Finite math <u>or</u> higher mathematics course	3
	Natural Sciences (lab based)	8
IV	<b>History/Behavioral and Social Sciences (12 hours total)</b>	
	At least one history course*	3
	Other courses in history or behavioral/social science	9
	*Students must complete a 6 hour sequence in either Literature (Area II) or History (Area IV).	
	<b>Total General Education Requirement Hours:</b>	<b>41</b>

#### Major Prerequisite (Pre-Professional) Course Requirements (Area V)

	Discipline/Course	Hours
	The history major should complete a 6 hour sequence in history (Western Civilization, World History, or United States History) in addition to satisfying the Area IV requirement	6
	Electives in History	6
	HU 321 Research Sources and Skills	1
	CIS 146 Microcomputer Applications <u>or</u> ITE 301 Problem Solving with Computers	3
	<b>Total Major Prerequisite Requirement Hours:</b>	<b>16</b>
	<b>Total General Education and Major Prerequisite Requirement Hours:</b>	<b>57</b>

### **Professional Course Requirements**

	<b>Course</b>	<b>Hours</b>
	American History (300/400 level)	<b>12</b>
	European History (300/400 level)	<b>12</b>
	Non-Western History (300/400 level)	<b>6</b>
	HY 451 Senior History Seminar	<b>3</b>
	<b>Total Professional Requirement Hours:</b>	<b>33</b>

Students majoring in History should be aware that graduate programs in History generally require a reading knowledge of one or two languages.

### **Minor (Required)**

		<b>Hours</b>
	Required courses for minor (minimum 18 hours)	<b>18</b>

### **General Electives**

	Elective hours as needed to meet minimum 124 hour requirement and all other general University requirements	<b>16</b>

		<b>Hours</b>
	<b>Total Minimum Hours Required for Completion of History Major</b>	<b>124</b>

## **Bachelor of Arts - History Major: Public History Option**

This option within the history and social science majors is designed particularly for students interested in working for historic sites, museums, and archives. It is intended to provide students with practical experience for the public history profession. The experience they gain through the public history course and the internships will help them to decide if public history is a good career for them. They will also gain valuable experience that will help them to gain employment and/or gain admission to the highly competitive graduate programs in archives and public history. This program will also help Athens State University to forge stronger ties to its local communities and the region. **Note:** The Public History option is not available to students pursuing a history major with minor in education for secondary licensure and certification.

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

**Program components for the Bachelor of Arts degree with a major in History – Public History Option:**

### **Applicable General University Requirements**

Students earning the Bachelor of Arts (BA) degree with a major in History –Public History Option must satisfy all general University requirements and meet all financial obligations before a degree is awarded.

### **General Education Requirements**

Area	Discipline/Course	Hours
I	<b>Written Composition</b>	<b>6</b>
II	<b>Humanities/Fine Arts (12 hours total)</b>	
	At least one fine arts course	<b>3</b>
	At least one literature course*	<b>3</b>
	Other courses in humanities or fine arts	<b>6</b>
III	<b>Mathematics and Natural Sciences (11 hours total)</b>	
	Finite math <b>or</b> higher mathematics course	<b>3</b>
	Natural Sciences (lab based)	<b>8</b>
IV	<b>History/Behavioral and Social Sciences (12 hours total)</b>	
	At least one history course*	<b>3</b>
	Other courses in history or behavioral/social science	<b>9</b>
	<b>*Students must complete a 6 hour sequence in either Literature (Area II) or History (Area IV).</b>	
	<b>Total General Education Requirement Hours:</b>	<b>41</b>

### **Major Prerequisite (Pre-Professional) Course Requirements (Area V)**

	Discipline/Course	Hours
	The history major should complete a 6 hour sequence in history (Western Civilization, World History, or United States History) in addition to satisfying the Area IV requirement	<b>6</b>
	Electives in History	<b>6</b>
	HU 321 Research Sources and Skills	<b>1</b>
	CIS 146 Microcomputer Applications <b>or</b> ITE 301 Problem Solving with Computers	<b>3</b>
	<b>Total Major Prerequisite Requirement Hours:</b>	<b>16</b>
	<b>Total General Education and Major Prerequisite Requirement Hours:</b>	<b>57</b>



### **Professional Course Requirements**

	<b>Course</b>	<b>Hours</b>
	American History (300/400 level)	<b>9</b>
	European History (300/400 level)	<b>9</b>
	Non-Western History (300/400 level)	<b>3</b>
	HY 451 Senior History Seminar	<b>3</b>
	HY 463 Fundamentals of Public History	<b>3</b>
	HY 464 Internship in Public History	<b>3</b>
	HY 465 Internship in Public History	<b>3</b>
	<b>Total Professional Requirement Hours:</b>	<b>33</b>

Students majoring in History should be aware that graduate programs in History generally require a reading knowledge of one or two languages.

### **Minor (Required)**

		<b>Hours</b>
	Required courses for minor (minimum 18 hours)	<b>18</b>

### **General Electives**

	Elective hours as needed to meet minimum 124 hour requirement and all other general University requirements	<b>16</b>

		<b>Hours</b>
	<b>Total Minimum Hours Required for Completion of History Major – Public History Option</b>	<b>124</b>

## **Bachelor of Arts - History Major with Minor in Education (Grades 6-12)**

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

**Program components for the Bachelor of Arts degree with a major in History with a minor in Education:**

### **Applicable General University Requirements**

Students earning the Bachelor of Arts (BA) degree with a major in History with a minor in Education must satisfy all general University requirements and meet all financial obligations before a degree is awarded. **Additional requirements for this program are:**

- Students must maintain a cumulative GPA of at least 2.75, **and** a minimum GPA of 2.75 in both the Professional Studies and Teaching Field Course Requirements. This is a requirement for student teaching and for graduation.
- Students must have a minimum grade of “C” in any required courses, regardless of whether GPA standards are fulfilled.
- Students must complete the 12 semester hours in History sequences as required in the General Education and Major Prerequisite Requirements before being admitted to the Teacher Education Program.

### **General Education Requirements**

<b>Area</b>	<b>Discipline/Course</b>	<b>Hours</b>
<b>I</b>	<b>Written Composition</b>	<b>6</b>
<b>II</b>	<b>Humanities/Fine Arts (12 hours total)</b>	
	Fine arts course	<b>3</b>
	Literature course	<b>3</b>
	Speech (SPH 106, 107) course	<b>3</b>
	Other course in humanities or fine arts	<b>3</b>
<b>III</b>	<b>Mathematics and Natural Sciences (11 hours total)</b>	
	Finite math <b>or</b> higher mathematics course	<b>3</b>
	Natural sciences (lab-based)	<b>8</b>
<b>IV</b>	<b>History/Behavioral and Social Sciences (12 hours total)</b>	
	United States History I and II	<b>6</b>
	General psychology course	<b>3</b>
	PSY 210 Human Growth and Development <b>or</b> PS 334 Adolescent Psychology	<b>3</b>
<b>Total General Education Requirement Hours:</b>		<b>41</b>

### **Major Prerequisite (Pre-Professional) Course Requirements (Area V)**

	<b>Discipline/Course</b>	<b>Hours</b>
	History of Western Civilization I and II <b>or</b> World History I and II (must be taken as a sequence)	<b>6</b>
	HIS 260 Alabama History <b>or</b> HY 302 Alabama History	<b>3</b>
	HU 321 Research Sources and Skills	<b>1</b>
<b>Total Major Prerequisite Requirement Hours:</b>		<b>10</b>
<b>Total General Education and Major Prerequisite Requirement Hours:</b>		<b>51</b>

## Teaching Field Course Requirements

Course	Hours
<b>American History (300/400 level)</b>	
Choose one course from: HY 303, HY 304, HY 305, HY 306	<b>3</b>
Other American History electives	<b>9</b>
<b>European History (300/400 level)</b>	
Choose one course from HY 313, HY 314, HY 315, HY 351	<b>3</b>
Other European History electives	<b>9</b>
<b>Non-Western History (300/400 level, neither American nor European)</b>	
Choose one course from: HY 325, HY 334, HY 340, HY 342, HY 351	<b>3</b>
Other Non-Western History elective	<b>3</b>
HY 451 Senior History Seminar	<b>3</b>
<b>Total Teaching Field Requirement Hours:</b>	<b>33</b>
<b>(Total Credit Hours in History including Areas I-V: 48)</b>	

## Professional Studies Course Requirements (Education Minor)

Course	Hours
ED 301 Introduction to Teaching	<b>1</b>
ED 302 Foundations of Education	<b>3</b>
ED 305 Technology & Media in Education (fulfills CIS 146 major/degree prerequisite requirement in History major)	<b>3</b>
<b><u>SC 331 Classroom Management in Secondary Education</u></b>	<b>3</b>
SC 333 Teaching Reading/Writing in the Content Areas	<b>3</b>
<b><u>SC 362 Assessment and Evaluation in Secondary Education</u></b>	<b>3</b>
SE 301 Survey of Exceptional Learners	<b>3</b>
SC 400 Field Work Practicum I	<b>1</b>
<b><u>SC 401 Field Work Practicum II</u></b>	<b>1</b>
<b><u>HY 450 Materials/Methods of Teaching History and Social Sciences in Middle School/High School</u></b>	<b>3</b>
<b><u>SC 486 Internship in High School Education</u></b>	<b>4-12</b>
<b>Total Professional Studies Requirement Hours:</b>	<b>28</b>

Courses boldfaced and underlined in any of the tables above require admission to the Teacher Education Program (TEP) and may not be fulfilled by substituting courses completed at another college or university.

To submit a substitution request for other teaching field or professional courses completed at another college or university, students are required to provide an electronic copy of the course syllabus and/or description to their faculty advisor. This is an Alabama State Department of Education requirement. The Alabama State Department of Education ultimately decides whether or not a course will count as a substitution for an Athens State course after the syllabus and supporting documentation is evaluated.

All students seeking a degree from the College of Education, or a degree from the College of Arts and Sciences with a minor in Education, and subsequent licensure and certification by the State of Alabama, are required to pass the appropriate Praxis II exams for their program of study. A complete listing of these exams along with required scoring information can be reviewed on the College of Education's webpage. **It is the student's responsibility to schedule and take these exams prior to applying for internship (student teaching).**

A student who does not complete all of the above Professional Studies requirements for the minor in Education and who does not wish to seek certification from the State of Alabama may still fulfill the requirements for the History major with a minor in Professional Studies (see minors section of this catalog).

This program of study is open to any student. Students who do not fulfill all Professional Studies Course requirements will not be eligible for licensure and certification by the Alabama State Department of Education.

**General Electives**

	Elective hours as needed to meet minimum 124 hour requirement and all other general University requirements	<b>12</b>

		<b>Hours</b>
	<b>Total Minimum Hours Required for Completion of History Major with minor in Education</b>	<b>124</b>

## **INFORMATION TECHNOLOGY (ITE)**

The degree programs in Information Technology provide students with a strong foundation in programming, problem analysis, problem solving, and software engineering, significantly supplemented with practical experience using hardware and software resources available in contemporary computer laboratories maintained by the Department. There are two Information Technology major options: Information Technology, and Information Technology: Computer Networking option. The Information Technology option provides students with a foundation in business and information systems to complement the core requirements in problem solving and programming in a business environment. The goal of this curriculum is to prepare the student for industry as a technically oriented member of an information systems development team. The Computer Networking option focuses on the technical aspects of computer networking.

The Information Technology program adheres to the following requirements related to course substitutions for both Information Technology options:

- Introduction to Information Systems and BASIC Programming courses will not satisfy professional elective requirements in either the ITE option or the CN option.
- “System Analysis and Design” courses cannot be substituted for ITE 451 or ITE 452.
- “Work-based” credit cannot be substituted for ITE 451 or ITE 452 or CN courses.
- Computer certification examinations will not substitute for any required or elective coursework.

### **Information Technology Program Objectives: At time of graduation**

The Information Technology program strives to: (1) enhance the student’s knowledge of mathematics and computer science; (2) cultivate analytical and problem-solving skills; (3) instill an appreciation for ethical principles to face the challenges posed by the development and uses of new technology and advanced scientific inquiry; and (4) instruct students to communicate ideas clearly orally and in writing.

The program goals are supported through four program objectives (PO) at time of graduation:

- PO1. Develop knowledge of fundamental core concepts of Computer Science, Information Technology, and their applications,
- PO2. Develop analytical and problem-solving skills,
- PO3. Learn large-scale project development in a team development environment,
- PO4. Demonstrate oral and written communication skills.

### **Information Technology Program Objectives: 2 – 3 years after graduation**

The Bachelor of Science with a major in Information Technology produces graduates who:

- PO5. Are academically prepared to continue to graduate study or advance in their workplace,
- PO6. Are skilled, competent, and capable of contributing to the workforce in their specialty,
- PO7. Use the background they have acquired from their study of a wide range of areas in computer science as a basis for continued self-motivated growth of their professional skills and knowledge,
- PO8. Model high ethical standards within the community and profession,
- PO9. Use teamwork skills effectively in the development of computer software systems.

## Bachelor of Science – Information Technology Major

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

Program components for the Bachelor of Science degree with a major in Information Technology:

### Applicable General University Requirements

Students earning the Bachelor of Science (BS) degree with a major in Information Technology must satisfy all general University requirements and meet all financial obligations before a degree is awarded.

### General Education Requirements

Area	Discipline/Course	Hours
I	<b>Written Composition</b>	<b>6</b>
II	<b>Humanities/Fine Arts (12 hours total)</b>	
	At least one fine arts course	<b>3</b>
	At least one literature course*	<b>3</b>
	Other courses in humanities or fine arts	<b>6</b>
III	<b>Mathematics and Natural Sciences (11 hours total)</b>	
	Precalculus Algebra <b>or</b> higher mathematics course	<b>3</b>
	Natural Sciences (lab based)	<b>8</b>
IV	<b>History/Behavioral and Social Sciences (12 hours total)</b>	
	At least one history course*	<b>3</b>
	Economics (ECO 231 Principles of Macroeconomics) or the equivalent	<b>3</b>
	Other courses in history or behavioral/social science	<b>6</b>
	<b>*Students must complete a 6 hour sequence in either Literature (Area II) or History (Area IV).</b>	
	<b>Total General Education Requirement Hours:</b>	<b>41</b>

### Major Prerequisite (Pre-Professional) Course Requirements (Area V)

	Discipline/Course	Hours
	Calculus I <b>or</b> Business Calculus	<b>3-4</b>
	Principles of Accounting	<b>3</b>
	Statistical Methods of Business I	<b>3</b>
	Microcomputer Applications	<b>3</b>
	CIS 209 Advanced Web Development <b>or</b> CS 380 Programming for the Web	<b>3</b>
	Computer Programming Course	<b>3</b>
	CS 317 Computer Science I <b>or</b> sufficient score on Placement Exam	<b>0-3</b>
	HU 321 Research Sources and Skills	<b>1</b>
	<b>Total Major Prerequisite Requirement Hours:</b>	<b>19-23</b>
	<b>Total General Education and Major Prerequisite Requirement Hours:</b>	<b>60-64</b>

## Professional Course Requirements

	<b>Fundamentals of Computer Science Courses</b>	<b>Hours</b>
	CS 318 Computer Science II	<b>3</b>
	CS 309 Introduction to Digital Logic Design	<b>3</b>
	CS 309L Digital Design Lab	<b>1</b>
	CS 310 Professional Ethics of Computing	<b>1</b>
	CS 372 Data Structures	<b>3</b>
	MA 308 Discrete Mathematics	<b>3</b>
<b>Fundamentals of Computer Networking Courses</b>		
	CN 301 Networking Fundamentals	<b>2</b>
	CN 302 Local Area Networks	<b>2</b>
<b>Information Technology Core Courses</b>		
	ITE 315 System Admin & Scripting Languages	<b>3</b>
	ITE 321 Systems Analysis and Design	<b>3</b>
	ITE 365 Visual Application Development	<b>3</b>
	ITE 440 Database Systems	<b>3</b>
	ITE 441 Systems Integration and Architecture	<b>3</b>
	ITE 450 Human-Computer Interaction	<b>3</b>
<b>Capstone Experience Courses</b>		
	ITE 451 Software Engineering	<b>3</b>
	ITE 452 Senior Software Engineering Project	<b>3</b>
	ITE 452L Senior Software Engineering Project Lab	<b>1</b>
	300/400-level Computer Science Elective (CS, CN, ITE) taken at Athens State with prior approval of the faculty advisor (except ITE 301, CS 305, CS 317)	<b>3</b>
	<b>Total Professional Requirement Hours:</b>	<b>46</b>

The Information Technology major must complete a minimum of 24 semester hours of upper division 300/400 level coursework in Computer Science (CS), Information Technology (ITE), or Computer Networking (CN) at Athens State.

**Exit Exam:** An exit exam is required for graduation. The departmental exit exam shall be taken while enrolled in ITE 452, Senior Software Engineering Project.

### **Minor (Required)**

	<b>Hours</b>
Required Courses for Minor (minimum 18 hours)	<b>18</b>

	<b>Hours</b>
<b>Total Minimum Hours Required for Completion of the Information Technology Major</b>	<b>124-128</b>

## Bachelor of Science – Information Technology Major: Computer Networking Option

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

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

### Applicable General University Requirements

Students earning the Bachelor of Science (BS) degree with a major in Information Technology – Computer Networking Option must satisfy all general University requirements and meet all financial obligations before a degree is awarded.

### General Education Requirements

Area	Discipline/Course	Hours
I	<b>Written Composition</b>	<b>6</b>
II	<b>Humanities/Fine Arts (12 hours total)</b>	
	At least one fine arts course	<b>3</b>
	At least one literature course*	<b>3</b>
	Other courses in humanities or fine arts	<b>6</b>
III	<b>Mathematics and Natural Sciences (11 hours total)</b>	
	Precalculus Algebra <u>or</u> higher mathematics course	<b>3</b>
	Natural Sciences (lab based)	<b>8</b>
IV	<b>History/Behavioral and Social Sciences (12 hours total)</b>	
	At least one history course*	<b>3</b>
	Other courses in history or behavioral/social science	<b>9</b>
	<b>*Students must complete a 6 hour sequence in either Literature (Area II) or History (Area IV).</b>	
	<b>Total General Education Requirement Hours:</b>	<b>41</b>

### Major Prerequisite (Pre-Professional) Course Requirements (Area V)

	Discipline/Course	Hours
	Calculus I <u>or</u> Business Calculus	<b>3-4</b>
	Principles of Accounting	<b>3</b>
	Statistical Methods of Business I	<b>3</b>
	Microcomputer Applications	<b>3</b>
	Computer Programming Courses	<b>6</b>
	CS 317 Computer Science I <u>or</u> sufficient score on Placement Exam	<b>0-3</b>
	HU 321 Research Sources and Skills	<b>1</b>
	<b>Total Major Prerequisite Requirement Hours:</b>	<b>19-23</b>
	<b>Total General Education and Major Prerequisite Requirement Hours:</b>	<b>60-64</b>



## Professional Course Requirements

	Fundamentals of Computer Science Courses	Hours
	CS 318 Computer Science II	3
	CS 309 Introduction to Digital Logic Design	3
	CS 309L Digital Design Lab	1
	CS 310 Professional Ethics of Computing	1
	CS 372 Data Structures	3
	MA 308 Discrete Mathematics	3
Computer Networking Core Courses		
	CN 301 Network Fundamentals	2
	CN 302 Local Area Networks	2
	CN 303 Wide Area Networks	2
	CN 304 Network Architectures	2
	CN 401 Internetworking Devices	2
	CN 402 The Internet	2
	CN 403 Network Processes and Protocols	2
	CN 404 Enterprise Network Design and Management	2
	CN 405 Network Security	3
	CN 405L Network Security Lab	1
Computer Science and Information Technology Advanced Courses		
	ITE 315 Scripting Languages and System Administration	3
	ITE 321 Systems Analysis and Design	3
	CS 340 Introduction to Assembly Language	3
	CS 409 Computer Organization and Architecture	3
	CS 415 Operating Systems	3
Capstone Experience Courses		
	ITE 451 Software Engineering	3
	ITE 452 Senior Software Engineering Project	3
	ITE 452L Senior Software Engineering Project Lab	1
	300/400-level Computer Science (CS) , Information Technology (ITE, CN) or Mathematics Electives (MA 310, 316, 320, or 400-level MA course except MA 454) with prior approval of the faculty advisor (except ITE 301, CS 305, CS 317)	6
	400-level Computer Science (CS) or Information Technology (ITE) Elective with prior approval of the faculty advisor	3
<b>Total Professional Requirement Hours:</b>		<b>65</b>

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

**Exit Exam:** An exit exam is required for graduation. The departmental exit exam shall be taken while enrolled in ITE 452, Senior Software Engineering Project.

A minor is not required.

		Hours
	<b>Total Minimum Hours Required for Completion of Information Technology Major - Computer Networking Option</b>	<b>125-129</b>

## **LIBERAL STUDIES**

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

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

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

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

### **Bachelor of Science - Liberal Studies Major**

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

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

#### **Applicable General University Requirements**

Students earning the Bachelor of Science (BS) degree with a major in Liberal Studies must satisfy all general University requirements and meet all financial obligations before a degree is awarded.

#### **General Education Requirements**

<b>Area</b>	<b>Discipline/Course</b>	<b>Hours</b>
<b>I</b>	<b>Written Composition</b>	<b>6</b>
<b>II</b>	<b>Humanities/Fine Arts (12 hours total)</b>	
	At least one fine arts course	<b>3</b>
	At least one literature course*	<b>3</b>
	Other courses in humanities or fine arts	<b>6</b>
<b>III</b>	<b>Mathematics and Natural Sciences (11 hours total)</b>	
	Finite math <u>or</u> higher mathematics course	<b>3</b>
	Natural Sciences (lab based)	<b>8</b>
<b>IV</b>	<b>History/Behavioral and Social Sciences (12 hours total)</b>	
	At least one history course*	<b>3</b>
	Other courses in history or behavioral/social science	<b>9</b>
	<b>*Students must complete a 6 hour sequence in either Literature (Area II) or History (Area IV).</b>	
	<b>Total General Education Requirement Hours:</b>	<b>41</b>

**Major Prerequisite (Pre-Professional) Course Requirements (Area V)**

	<b>Discipline/Course</b>	<b>Hours</b>
	CIS 146 Microcomputer Applications <b>or</b> ITE 301 Problem Solving with Computers	<b>3</b>
	HU 321 Research Sources and Skills	<b>1</b>
	<b>Total Major Prerequisite Requirement Hours:</b>	<b>4</b>
	<b>Total General Education and Major Prerequisite Requirement Hours:</b>	<b>45</b>

**Professional Course Requirements**

	<b>Course</b>	<b>Hours</b>
	General Electives (At least 50 hours must be 300/400 level)	<b>59</b>
	HU 450 Liberal Studies Capstone Seminar	<b>1</b>
	<b>Total Professional Requirement Hours:</b>	<b>60</b>

**General Electives**

		<b>Hours</b>
	Elective hours as needed to meet minimum 124 hour requirement and all other general University requirements	<b>19</b>

		<b>Hours</b>
	<b>Total Minimum Hours Required for Completion of Liberal Studies Major</b>	<b>124</b>

## MATHEMATICS (MA)

The degree programs in Mathematics prepare students for careers in government, business, and industry or for pursuing graduate studies. The Mathematics major is designed to prepare students for employment in business and industry or for a mathematical foundation for graduate study in mathematics. The Mathematics major with a minor in Education prepares the student to teach mathematics at the high school or middle grade level. Either Mathematics program qualifies students to pursue graduate studies or assists students to meet the goal of becoming highly qualified in mathematics for state licensure.

### Bachelor of Science - Mathematics Major

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

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

#### Applicable General University Requirements

Students earning the Bachelor of Science (BS) degree with a major in Mathematics must satisfy all general University requirements and meet all financial obligations before a degree is awarded. **Additional requirements for this program are:**

- Students must maintain a GPA of at least 2.5 in mathematics courses taken at Athens State University.
- To be used towards requirements for the Mathematics major at Athens State, any transfer mathematics courses completed at another college or university must have a grade of "C" or higher.

#### General Education Requirements

Area	Discipline/Course	Hours
I	Written Composition	6
II	Humanities/Fine Arts (12 hours total)	
	At least one fine arts course	3
	At least one literature course*	3
	Other courses in humanities or fine arts	6
III	Mathematics and Natural Sciences (11 hours total)	
	Precalculus Algebra	3
	Natural Sciences (lab based) (calculus-based Physics I and II recommended)	8
IV	History/Behavioral and Social Sciences (12 hours total)	
	At least one history course*	3
	Other courses in history or behavioral/social science	9
	*Students must complete a 6 hour sequence in either Literature (Area II) or History (Area IV).	
	<b>Total General Education Requirement Hours:</b>	<b>41</b>

#### Major Prerequisite (Pre-Professional) Course Requirements (Area V)

Discipline/Course	Hours
Precalculus Trigonometry	3
Calculus I, II, and III	12
CIS 146 Microcomputer Applications or ITE 301 Problem Solving with Computers	3
HU 321 Research Sources and Skills	1
<b>Total Major Prerequisite Requirement Hours:</b>	<b>19</b>
<b>Total General Education and Major Prerequisite Requirement Hours:</b>	<b>60</b>

## Professional Course Requirements

	<b>Course</b>	<b>Hours</b>
	CS 317 Computer Science I <b>or</b> the equivalent (If a programming course has not been taken prior to CS 317, CS 305 Concepts of Computer Programming should be taken as a general elective before taking CS 317)	<b>3</b>
	MA 308 Discrete Mathematics	<b>3</b>
	MA 310 Matrices and Linear Algebra <b>or</b> MTH 237 Linear Algebra	<b>3</b>
	MA 320 Introduction to Abstract Algebra	<b>3</b>
	MA 314 College Geometry <b>or</b> MA 321 Differential Equations <b>or</b> MTH 238 Applied Differential Equations	<b>3</b>
	MA 330 Advanced Mathematical Software	<b>3</b>
	MA 331 Applied Probability and Statistics <b>or</b> MA 431 Introduction to Mathematical Statistics (When one of these statistics courses has been taken to satisfy the professional requirements, the other may be taken as a math elective)	<b>3</b>
	MA 470 Senior Mathematics Seminar	<b>3</b>
	Choose three from the following Mathematics electives to include a sequence in <b>either</b> MA 401 Complex Variables and MA 452 Introductory Real Analysis, <b>or</b> MA 423 Numerical Analysis and MA 445 Math Modeling. MA 401 and MA 452 are recommended for those majors planning on attending graduate school: MA 314 College Geometry <b>or</b> MA 321 Differential Equations <b>or</b> MTH 238 Applied Differential Equations MA 316 Vector Analysis MA 331 Applied Probability and Statistics MA 401 Complex Variables MA 423 Numerical Analysis MA 431 Introduction to Mathematic Statistics MA 445 Mathematical Modeling and Simulation MA 452 Introductory Real Analysis MA 480 Special Topics in Mathematics	<b>9</b>
	<b>Total Professional Requirement Hours:</b>	<b>33</b>

**Exit Exam:** An exit exam is required for graduation. The non-licensure Mathematics major may choose the PRAXIS II Mathematics Content Test 5161 as their exit exam, or the departmental exit exam may be taken in the MA 470 course. **It is the student's responsibility to register for the exit exam.** If the PRAXIS II exam is chosen, the student must report the results to their advisor.

### **Minor (Required – must be approved by Mathematics Faculty Advisor)**

	<b>Hours</b>
Required courses for minor (minimum 18 hours)	<b>18</b>

### **General Electives**

	<b>Hours</b>
Elective hours as needed to meet minimum 124 hour requirement and all other general University requirements	<b>13</b>

	<b>Hours</b>
<b>Total Minimum Hours Required for Completion of Mathematics Major</b>	<b>124</b>

## **Bachelor of Science - Mathematics Major with Minor in Education (Grades 6-12)**

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

**Program components for the Bachelor of Science degree with a major in Mathematics with a minor in Education:**

### **Applicable General University Requirements**

Students earning the Bachelor of Science (BS) degree with a major in Mathematics with a minor in Education must satisfy all general University requirements and meet all financial obligations before a degree is awarded. **Additional requirements for this program are:**

- Students must maintain a cumulative GPA of at least 2.75, **and** a minimum GPA of 2.75 in both the Professional Studies and Teaching Field Course Requirements. This is a requirement for student teaching and for graduation.
- Students must have a minimum grade of “C” in any required courses, regardless of whether GPA standards are fulfilled.

### **General Education Requirements**

<b>Area</b>	<b>Discipline/Course</b>	<b>Hours</b>
<b>I</b>	<b>Written Composition</b>	<b>6</b>
<b>II</b>	<b>Humanities/Fine Arts (12 hours total)</b>	
	Fine arts course	<b>3</b>
	Speech (SPH 106, 107) course	<b>3</b>
	At least one literature course*	<b>3</b>
	Other course in humanities or fine arts	<b>3</b>
<b>III</b>	<b>Mathematics and Natural Sciences (11 hours total)</b>	
	Precalculus Algebra	<b>3</b>
	Natural sciences (lab-based) (calculus-based Physics I and II recommended)	<b>8</b>
<b>IV</b>	<b>History/Behavioral and Social Sciences (12 hours total)</b>	
	General psychology course	<b>3</b>
	PSY 210 Human Growth and Development <u>or</u> PS 334 Adolescent Psychology	<b>3</b>
	At least one history course*	<b>3</b>
	Other course in history or behavioral/social science	<b>3</b>
	<b>*Students must complete a 6 hour sequence in either Literature (Area II) or History (Area IV).</b>	
	<b>Total General Education Requirement Hours:</b>	<b>41</b>

### **Major Prerequisite (Pre-Professional) Course Requirements (Area V)**

	<b>Discipline/Course</b>	<b>Hours</b>
	Precalculus Trigonometry	<b>3</b>
	Calculus I, II, and III	<b>12</b>
	HU 321 Research Sources and Skills	<b>1</b>
	<b>Total Major Prerequisite Requirement Hours:</b>	<b>16</b>
	<b>Total General Education and Major Prerequisite Requirement Hours:</b>	<b>57</b>

## Teaching Field Course Requirements

	Course	Hours
	Computer programming (CS 317 Computer Science recommended; if a programming course has not been taken prior to CS 317, CS 305 Concepts of Computer Programming should be taken as a general elective before taking CS 317)	3
	MA 308 Discrete Mathematics	3
	MA 310 Matrices and Linear Algebra <u>or</u> MTH 237 Linear Algebra	3
	MA 314 College Geometry <u>or</u> MA 321 Differential Equations <u>or</u> MTH 238 Applied Differential Equations ( <b>Note:</b> MA 314 is required for students seeking licensure and certification)	3
	MA 320 Introduction to Abstract Algebra	3
	MA 330 Advanced Mathematical Software	3
	MA 331 Applied Probability and Statistics	3
	MA 470 Senior Mathematics Seminar	3
	Choose three from the following Mathematics electives: MA 314 College Geometry <u>or</u> MA 321 Differential Equations <u>or</u> MTH 238 Applied Differential Equations MA 316 Vector Analysis MA 401 Complex Variables MA 423 Numerical Analysis MA 431 Introduction to Mathematical Statistics MA 445 Mathematical Modeling and Simulation MA 452 Introductory Real Analysis MA 480 Special Topics in Mathematics (The MA 401/MA 452 sequence is an option strongly encouraged for all Mathematics majors interested in enrolling in graduate level mathematics or mathematics education programs or for those majors seeking secondary mathematics education licensure)	9
	<b>Total Teaching Field Requirement Hours:</b>	<b>33</b>
	<b>(Total Credit Hours in Mathematics including Areas I-V: 48)</b>	

## Professional Studies Course Requirements (Education Minor)

	Course	Hours
	ED 301 Introduction to Teaching	1
	ED 302 Foundations of Education	3
	ED 305 Technology & Media in Education (fulfills CIS 146 major/degree prerequisite requirement in Mathematics major)	3
	<b><u>SC 331 Classroom Management in Secondary Education</u></b>	<b>3</b>
	SC 333 Teaching Reading/Writing in the Content Areas	3
	<b><u>SC 362 Assessment and Evaluation in Secondary Education</u></b>	<b>3</b>
	SE 301 Survey of Exceptional Learners	3
	SC 400 Field Work Practicum I	1
	<b><u>SC 401 Field Work Practicum II</u></b>	<b>1</b>
	<b><u>MA 454 Materials/Methods of Teaching Mathematics in Middle School/High School</u></b>	<b>3</b>
	<b><u>SC 486 Internship in High School Education</u></b>	<b>4-12</b>
	<b>Total Professional Studies Requirement Hours:</b>	<b>28</b>

Courses boldfaced and underlined in any of the tables above require admission to the Teacher Education Program (TEP) and may not be fulfilled by substituting courses completed at another college or university.

To submit a substitution request for other teaching field or professional courses completed at another college or university, students are required to provide an electronic copy of the course syllabus and/or description to their faculty advisor. This is an Alabama State Department of Education requirement. The Alabama State Department of Education ultimately decides whether or not a course will count as a substitution for an Athens State course after the syllabus and supporting

documentation is evaluated.

All students seeking a degree from the College of Education, or a degree from the College of Arts and Sciences with a minor in Education, and subsequent licensure and certification by the State of Alabama, are required to pass the appropriate Praxis II exams for their program of study. A complete listing of these exams along with required scoring information can be reviewed on the College of Education's webpage. **It is the student's responsibility to schedule and take these exams prior to applying for internship (student teaching).**

If a student, at any time, changes from the Mathematics major with a minor in Education to the Mathematics major without the Education minor, the student must meet all requirements for that major; therefore mathematics electives should be chosen carefully. A student may not earn a double major in mathematics by completing requirements of both programs of study. Students desiring a strong preparation for graduate school should take MA 321, MA 401 and MA 452.

**A student who does not complete all of the above Professional Studies requirements for the minor in Education and who does not wish to seek certification from the State of Alabama may still fulfill the requirements for the Mathematics major with a minor in Professional Studies (see minors section of this catalog).**

**This program of study is open to any student. Students who do not fulfill all Professional Studies Course requirements will not be eligible for licensure and certification by the Alabama State Department of Education.**

### General Electives

	Hours
Elective hours as needed to meet minimum 124 hour requirement and all other general University requirements	6

	Hours
<b>Total Minimum Hours Required for Completion of Mathematics Major with minor in Education</b>	<b>124</b>



## POLITICAL SCIENCE (PO)

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

### Bachelor of Arts - Political Science Major

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

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

#### Applicable General University Requirements

Students earning the Bachelor of Arts (BA) degree with a major in Political Science must satisfy all general University requirements and meet all financial obligations before a degree is awarded.

#### General Education Requirements

Area	Discipline/Course	Hours
I	<b>Written Composition</b>	<b>6</b>
II	<b>Humanities/Fine Arts (12 hours total)</b>	
	At least one fine arts course	<b>3</b>
	At least one literature course*	<b>3</b>
	Other courses in humanities or fine arts	<b>6</b>
III	<b>Mathematics and Natural Sciences (11 hours total)</b>	
	Finite math <u>or</u> higher mathematics course	<b>3</b>
	Natural Sciences (lab based)	<b>8</b>
IV	<b>History/Behavioral and Social Sciences (12 hours total)</b>	
	At least one history course*	<b>3</b>
	Other courses in history or behavioral/social science	<b>9</b>
	<b>*Students must complete a 6 hour sequence in either Literature (Area II) or History (Area IV).</b>	
	<b>Total General Education Requirement Hours:</b>	<b>41</b>

#### Major Prerequisite (Pre-Professional) Course Requirements (Area V)

	Discipline/Course	Hours
	Western Civilization <u>or</u> World History	<b>3</b>
	American National Government <u>or</u> PO 304 Problems of American Government	<b>3</b>
	State and Local Government <u>or</u> PO 303 Comparative State and Local Government <u>or</u> Foreign National Government	<b>3</b>
	CIS 146 Microcomputer Applications <u>or</u> ITE 301 Problem Solving with Computers	<b>3</b>
	HU 321 Research Sources and Skills	<b>1</b>
	<b>Total Major Prerequisite Requirement Hours:</b>	<b>13</b>
	<b>Total General Education and Major Prerequisite Requirement Hours:</b>	<b>54</b>

### **Professional Course Requirements**

	<b>Course</b>	<b>Hours</b>
	PO 303 Comparative State and Local Government	<b>3</b>
	PO 304 Problems of American Government	<b>3</b>
	PO 307 American Constitutional Law <b>or</b> PO 364 Civil Liberties	<b>3</b>
	PO 342 Methods of Behavioral Science Research	<b>3</b>
	PO 351 American Public Policy	<b>3</b>
	PO 377 Public Administration	<b>3</b>
	PO 453 International Relations: America and the World	<b>3</b>
	PO 455 Ethics in the Public Sector	<b>3</b>
	PO 465 Senior Research Project	<b>4</b>
	Electives in Political Science	<b>6</b>
	<b>Total Professional Requirement Hours:</b>	<b>34</b>

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

### **Minor (Required – must be approved by Faculty Advisor)**

		<b>Hours</b>
	Required courses for minor (minimum 18 hours)	<b>18</b>

### **General Electives**

	Elective hours as needed to meet minimum 124 hour requirement and all other general University requirements	<b>18</b>

		<b>Hours</b>
	<b>Total Minimum Hours Required for Completion of Political Science Major</b>	<b>124</b>

## Bachelor of Science - Political Science Major

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

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

### Applicable General University Requirements

Students earning the Bachelor of Science (BS) degree with a major in Political Science must satisfy all general University requirements and meet all financial obligations before a degree is awarded.

### General Education Requirements

Area	Discipline/Course	Hours
I	Written Composition	6
II	Humanities/Fine Arts (12 hours total)	
	At least one fine arts course	3
	At least one literature course*	3
	Other courses in humanities or fine arts	6
III	Mathematics and Natural Sciences (11 hours total)	
	Finite math <u>or</u> higher mathematics course	3
	Natural Sciences (lab based)	8
IV	History/Behavioral and Social Sciences (12 hours total)	
	At least one history course*	3
	Other courses in history or behavioral/social science	9
	*Students must complete a 6 hour sequence in either Literature (Area II) or History (Area IV).	
	<b>Total General Education Requirement Hours:</b>	<b>41</b>

### Major Prerequisite (Pre-Professional) Course Requirements (Area V)

	Discipline/Course	Hours
	Western Civilization <u>or</u> World History	3
	American National Government <u>or</u> PO 304 Problems of American Government	3
	State and Local Government <u>or</u> PO 303 Comparative State and Local Government <u>or</u> Foreign National Government	3
	CIS 146 Microcomputer Applications <u>or</u> ITE 301 Problem Solving with Computers	3
	HU 321 Research Sources and Skills	1
	<b>Total Major Prerequisite Requirement Hours:</b>	<b>13</b>
	<b>Total General Education and Major Prerequisite Requirement Hours:</b>	<b>54</b>

### **Professional Course Requirements**

	<b>Course</b>	<b>Hours</b>
	PO 303 Comparative State and Local Government	<b>3</b>
	PO 304 Problems of American Government	<b>3</b>
	PO 307 American Constitutional Law <b>or</b> PO 364 Civil Liberties	<b>3</b>
	PO 342 Methods of Behavioral Science Research	<b>3</b>
	PO 351 American Public Policy	<b>3</b>
	PO 377 Public Administration	<b>3</b>
	PO 453 International Relations: America and the World	<b>3</b>
	PO 455 Ethics in the Public Sector	<b>3</b>
	PO 465 Senior Research Project	<b>4</b>
	Electives in Political Science	<b>6</b>
	<b>Total Professional Requirement Hours:</b>	<b>34</b>

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

**A minor is not required.**

### **General Electives**

	Elective hours as needed to meet minimum 124 hour requirement and all other general University requirements	<b>36</b>
--	---	-----------

		<b>Hours</b>
	<b>Total Minimum Hours Required for Completion of Political Science Major</b>	<b>124</b>

## **Bachelor of Science - Political Science Major: Government Administration and Social Policy**

### **Option**

The Government Administration and Social Policy Option in the political science major program is offered to accommodate those students who are already employed in the public sector or who contemplate employment within government agencies other than those performing public safety and health-related roles. Current entry-level, public sector personnel providing general administrative support services may find this degree option appropriate if he or she believes they will remain for a career in public sector bureaucracies. It is designed to accommodate the needs of students seeking an undergraduate degree who envision further graduate-level work in the field of public administration in preparation for future leadership roles in the public sector.

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

**Program components for the Bachelor of Science degree with a major in Political Science – Government Administration and Social Policy Option:**

#### **Applicable General University Requirements**

Students earning the Bachelor of Science (BS) degree with a major in Political Science - Government Administration and Social Policy Option must satisfy all general University requirements and meet all financial obligations before a degree is awarded.

#### **General Education Requirements**

Area	Discipline/Course	Hours
I	<b>Written Composition</b>	<b>6</b>
II	<b>Humanities/Fine Arts (12 hours total)</b>	
	At least one fine arts course	<b>3</b>
	At least one literature course*	<b>3</b>
	Other courses in humanities or fine arts	<b>6</b>
III	<b>Mathematics and Natural Sciences (11 hours total)</b>	
	Finite math <b>or</b> higher mathematics course	<b>3</b>
	Natural Sciences (lab based)	<b>8</b>
IV	<b>History/Behavioral and Social Sciences (12 hours total)</b>	
	At least one history course*	<b>3</b>
	Other courses in history or behavioral/social science	<b>9</b>
	<b>*Students must complete a 6 hour sequence in either Literature (Area II) or History (Area IV).</b>	
	<b>Total General Education Requirement Hours:</b>	<b>41</b>

#### **Major Prerequisite (Pre-Professional) Course Requirements (Area V)**

Discipline/Course	Hours
Western Civilization <b>or</b> World History	<b>3</b>
American National Government <b>or</b> PO 304 Problems of American Government	<b>3</b>
State and Local Government <b>or</b> PO 303 Comparative State and Local Government	<b>3</b>
CIS 146 Microcomputer Applications <b>or</b> ITE 301 Problem Solving with Computers	<b>3</b>
HU 321 Research Sources and Skills	<b>1</b>
<b>Total Major Prerequisite Requirement Hours:</b>	<b>13</b>
<b>Total General Education and Major Prerequisite Requirement Hours:</b>	<b>54</b>

### **Professional Course Requirements**

	<b>Course</b>	<b>Hours</b>
	PO 341 Statistics with Advanced Topics in Behavioral Science	<b>3</b>
	PO 342 Methods of Behavioral Science Research	<b>3</b>
	PO 350 Introduction to the American Legal System	<b>3</b>
	PO 351 American Public Policy	<b>3</b>
	PO 377 Public Administration	<b>3</b>
	PO 380 Public Budgeting and Finance	<b>3</b>
	PO 455 Ethics in the Public Sector	<b>3</b>
	PO 465 Senior Research Project	<b>4</b>
	PSHA 349 Human Resources Management	<b>3</b>
	SO 361 Social Analysis	<b>3</b>
	<b>Total Professional Requirement Hours:</b>	<b>31</b>

A minimum of 24 semester hours of upper division CJ/PO/PSHA coursework should be completed at Athens State University.

A minor is not required.

### **General Electives**

	Elective hours as needed to meet minimum 124 hour requirement and all other general University requirements	<b>39</b>

		<b>Hours</b>
	<b>Total Minimum Hours Required for Completion of Political Science Major - Government Administration and Social Policy Option</b>	<b>124</b>

## PSYCHOLOGY (PS)

The degree programs in Psychology aspire to assist students in planning for their careers. The Bachelor of Arts degree is recommended for those seeking to enter graduate school. The Bachelor of Science degree is for those who wish to seek employment after graduation. These degrees are offered through the Department of Behavioral Sciences. Department goals are aimed at developing: (1) a knowledge base in psychology; (2) scientific inquiry skills; (3) a sense of ethical and social responsibility in a diverse world; (4) communication skills; (5) professional skills and goals.

### Bachelor of Arts - Psychology Major

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

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

#### Applicable General University Requirements

Students earning the Bachelor of Arts (BA) degree with a major in Psychology must satisfy all general University requirements and meet all financial obligations before a degree is awarded.

#### General Education Requirements

Area	Discipline/Course	Hours
I	<b>Written Composition</b>	<b>6</b>
II	<b>Humanities/Fine Arts (12 hours total)</b>	
	At least one fine arts course	<b>3</b>
	At least one literature course*	<b>3</b>
	Other courses in humanities or fine arts	<b>6</b>
III	<b>Mathematics and Natural Sciences (11 hours total)</b>	
	Finite math <u>or</u> higher mathematics course	<b>3</b>
	Natural Sciences (lab based)	<b>8</b>
IV	<b>History/Behavioral and Social Sciences (12 hours total)</b>	
	At least one history course*	<b>3</b>
	Other courses in history or behavioral/social science	<b>9</b>
	<b>*Students must complete a 6 hour sequence in either Literature (Area II) or History (Area IV).</b>	
	<b>Total General Education Requirement Hours:</b>	<b>41</b>

#### Major Prerequisite (Pre-Professional) Course Requirements (Area V)

	Discipline/Course	Hours
	General Psychology	<b>3</b>
	CIS 146 Microcomputer Applications <u>or</u> ITE 301 Problem Solving with Computers	<b>3</b>
	HU 321 Research Sources and Skills	<b>1</b>
	<b>Total Major Prerequisite Requirement Hours:</b>	<b>7</b>
	<b>Total General Education and Major Prerequisite Requirement Hours:</b>	<b>48</b>

### **Professional Course Requirements**

	<b>Course</b>	<b>Hours</b>
	PS 331 Social Psychology	<b>3</b>
	PS 332 Child Psychology <b>or</b> PS 334 Adolescent Psychology	<b>3</b>
	PS 336 Psychology of Learning <b>or</b> PS 410 History and Systems of Psychology	<b>3</b>
	PS 341 Statistics with Advanced Topics in Behavioral Sciences	<b>3</b>
	PS 352 Abnormal Psychology	<b>3</b>
	PS 380 Experimental Psychology	<b>3</b>
	PS 406 Physiological Psychology	<b>3</b>
	PS 420 Cognitive Psychology	<b>3</b>
	PS 499 Thinking, Writing, and Speaking in the Behavioral Sciences	<b>3</b>
	Psychology electives (300/400 level)	<b>12</b>
	<b>Total Professional Requirement Hours:</b>	<b>39</b>

A minimum of 24 semester hours of upper division psychology coursework must be completed at Athens State University.

**Exit Exam:** An exit exam is required for graduation and is administered in PS 499. The departmental exit exam covers theories and concepts from all areas of the curriculum.

### **Minor (Required – must be approved by Faculty Advisor)**

		<b>Hours</b>
	Required courses for minor (minimum 18 hours)	<b>18</b>

### **General Electives**

	Elective hours as needed to meet minimum 124 hour requirement and all other general University requirements	<b>19</b>

		<b>Hours</b>
	<b>Total Minimum Hours Required for Completion of Psychology Major</b>	<b>124</b>



## Bachelor of Science - Psychology Major

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

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

### Applicable General University Requirements

Students earning the Bachelor of Science (BS) degree with a major in Psychology must satisfy all general University requirements and meet all financial obligations before a degree is awarded.

### General Education Requirements

Area	Discipline/Course	Hours
I	<b>Written Composition</b>	<b>6</b>
II	<b>Humanities/Fine Arts (12 hours total)</b>	
	At least one fine arts course	<b>3</b>
	At least one literature course*	<b>3</b>
	Other courses in humanities or fine arts	<b>6</b>
III	<b>Mathematics and Natural Sciences (11 hours total)</b>	
	Finite math <b>or</b> higher mathematics course	<b>3</b>
	Natural Sciences (lab based)	<b>8</b>
IV	<b>History/Behavioral and Social Sciences (12 hours total)</b>	
	At least one history course*	<b>3</b>
	Other courses in history or behavioral/social science	<b>9</b>
	<b>*Students must complete a 6 hour sequence in either Literature (Area II) or History (Area IV).</b>	
	<b>Total General Education Requirement Hours:</b>	<b>41</b>

### Major Prerequisite (Pre-Professional) Course Requirements (Area V)

	Discipline/Course	Hours
	General Psychology	<b>3</b>
	CIS 146 Microcomputer Applications <b>or</b> ITE 301 Problem Solving with Computers	<b>3</b>
	HU 321 Research Sources and Skills	<b>1</b>
	<b>Total Major Prerequisite Requirement Hours:</b>	<b>7</b>
	<b>Total General Education and Major Prerequisite Requirement Hours:</b>	<b>48</b>

### Professional Course Requirements

	<b>Course</b>	<b>Hours</b>
	PS 331 Social Psychology	<b>3</b>
	PS 332 Child Psychology <b>or</b> PS 334 Adolescent Psychology	<b>3</b>
	PS 336 Psychology of Learning <b>or</b> PS 410 History and Systems of Psychology	<b>3</b>
	PS 341 Statistics with Advanced Topics in Behavioral Sciences	<b>3</b>
	PS 352 Abnormal Psychology	<b>3</b>
	PS 380 Experimental Psychology	<b>3</b>
	PS 406 Physiological Psychology	<b>3</b>
	PS 420 Cognitive Psychology	<b>3</b>
	PS 499 Thinking, Writing, and Speaking in the Behavioral Sciences	<b>3</b>
	Psychology electives (300/400 level)	<b>12</b>
	<b>Total Professional Requirement Hours:</b>	<b>39</b>

A minimum of 24 semester hours of upper division psychology coursework must be completed at Athens State University.

**Exit Exam:** An exit exam is required for graduation and is administered in PS 499. The departmental exit exam covers theories and concepts from all areas of the curriculum.

**A minor is not required.**

### General Electives

	Elective hours as needed to meet minimum 124 hour requirement and all other general University requirements	<b>37</b>
--	---	-----------

		<b>Hours</b>
	<b>Total Minimum Hours Required for Completion of Psychology Major</b>	<b>124</b>

## PUBLIC SAFETY AND HEALTH ADMINISTRATION (PSHA)

The Bachelor of Science degree with a major in Public Safety and Health Administration provides students an educational background focused in the administration of public agencies promoting community health and safety at all levels of government. Fire, police, public works, public health, and emergency medical services personnel frequently interact during various emergency situations. The PSHA program is mostly geared towards students with working experience in preventing, responding to, managing, and reducing the consequences of such public emergencies. Through rigorous coursework, the program prepares professionals for increased management and administration responsibilities in emergency response and allied health agencies, thus enhancing career opportunities.

### Bachelor of Science - Public Safety and Health Administration Major

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

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

#### Applicable General University Requirements

Students earning the Bachelor of Science (BS) degree with a major in Public Safety and Health Administration must satisfy all general University requirements and meet all financial obligations before a degree is awarded.

#### General Education Requirements

Area	Discipline/Course	Hours
I	<b>Written Composition</b>	<b>6</b>
II	<b>Humanities/Fine Arts (12 hours total)</b>	
	At least one fine arts course	<b>3</b>
	At least one literature course*	<b>3</b>
	Other courses in humanities or fine arts	<b>6</b>
III	<b>Mathematics and Natural Sciences (11 hours total)</b>	
	Finite math <b>or</b> higher mathematics course	<b>3</b>
	Natural Sciences (lab based)	<b>8</b>
IV	<b>History/Behavioral and Social Sciences (12 hours total)</b>	
	At least one history course*	<b>3</b>
	Other courses in history or behavioral/social science	<b>9</b>
	<b>*Students must complete a 6 hour sequence in either Literature (Area II) or History (Area IV).</b>	
	<b>Total General Education Requirement Hours:</b>	<b>41</b>

#### Major Prerequisite (Pre-Professional) Course Requirements (Area V)

	Discipline/Course	Hours
	CIS 146 Microcomputer Applications <b>or</b> ITE 301 Problem Solving with Computers	<b>3</b>
	HU 321 Research Sources and Skills	<b>1</b>
	The remaining major prerequisite hours must be completed in Fire Sciences/Fire Services Management (FSC), Criminal Justice (CRJ), Emergency Medical Services (EMS), Environmental Technology (EVT), Allied Health/Health Science programs, or Nursing	<b>19</b>
	<b>Total Major Prerequisite Requirement Hours:</b>	<b>23</b>
	<b>Total General Education and Major Prerequisite Requirement Hours:</b>	<b>64</b>

**Professional Course Requirements**

	<b>Course</b>	<b>Hours</b>
	HPE 354 Contemporary Health	<b>3</b>
	HS 447 Public Health Concepts and Systems	<b>3</b>
	PO 303 Comparative State and Local Government	<b>3</b>
	PO 342 Methods of Behavioral Science Research <u>or</u> HPE 401 Measurement and Evaluation	<b>3</b>
	PO 351 American Public Policy	<b>3</b>
	PO 377 Public Administration	<b>3</b>
	PO/PSHA 380 Public Budgeting and Finance	<b>3</b>
	PSHA 349 Human Resources Management	<b>3</b>
	PSHA 350 Introduction to the American Legal System	<b>3</b>
	PSHA 446 Public Sector Organizational Theory and Management	<b>3</b>
	PSHA 448 Managing the Public Safety and Health Emergency	<b>3</b>
	PSHA 455 Ethics in the Public Sector	<b>3</b>
	PSHA 465 Senior Research Project	<b>4</b>
	<b>Total Professional Requirement Hours:</b>	<b>40</b>

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

A minor is not required.

**General Electives**

	Elective hours as needed to meet minimum 124 hour requirement and all other general University requirements	<b>20</b>
--	---	-----------

		<b>Hours</b>
	<b>Total Minimum Hours Required for Completion of Public Safety and Health Administration Major</b>	<b>124</b>

## RELIGION (RE)

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

### Bachelor of Arts - Religion Major

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

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

#### Applicable General University Requirements

Students earning the Bachelor of Arts (BA) degree with a major in Religion must satisfy all general University requirements and meet all financial obligations before a degree is awarded.

#### General Education Requirements

Area	Discipline/Course	Hours
I	Written Composition	6
II	<b>Humanities/Fine Arts (12 hours total)</b>	
	At least one fine arts course	3
	At least one literature course*	3
	Other courses in humanities or fine arts	6
III	<b>Mathematics and Natural Sciences (11 hours total)</b>	
	Finite math <u>or</u> higher mathematics course	3
	Natural Sciences (lab based)	8
IV	<b>History/Behavioral and Social Sciences (12 hours total)</b>	
	At least one history course*	3
	Other courses in history or behavioral/social science	9
	<b>*Students must complete a 6 hour sequence in either Literature (Area II) or History (Area IV).</b>	
	<b>Total General Education Requirement Hours:</b>	<b>41</b>

#### Major Prerequisite (Pre-Professional) Course Requirements (Area V)

Discipline/Course	Hours
Survey of the Old Testament <u>or</u> Survey of the New Testament <u>or</u> RE 308 Essentials of Biblical Studies	3
CIS 146 Microcomputer Applications <u>or</u> ITE 301 Problem Solving with Computers	3
HU 321 Research Sources and Skills	1
<b>Total Major Prerequisite Requirement Hours:</b>	<b>7</b>
<b>Total General Education and Major Prerequisite Requirement Hours:</b>	<b>48</b>

### **Professional Course Requirements**

	<b>Course</b>	<b>Hours</b>
	Comparative Religion <b>or</b> History of World Religions <b>or</b> RE 301 Religions That Shaped the World	<b>3</b>
	PH 300 Moral Values in Today's Society <b>or</b> RE 403 Religion in Life	<b>3</b>
	Survey of Church History I <b>or</b> Survey of Church History II <b>or</b> RE 401 History of Judaism <b>or</b> RE 402 History of Islam <b>or</b> HY 310 History of American Religion	<b>3</b>
	RE 409 Christian Thought in Early Centuries <b>or</b> RE 412 The Hebrew Prophets <b>or</b> RE 413 Psalms and Wisdom Literature	<b>3</b>
	RE 327 Sociology of Religion	<b>3</b>
	RE 351 Introduction to Christian Thought	<b>3</b>
	RE 416 Interpreting the Text	<b>3</b>
	RE 464 Religious Studies Capstone Course	<b>1</b>
	Electives from the Area of Religion <b>or</b> Philosophy at the 300/400 level	<b>9</b>
	<b>Total Professional Requirement Hours:</b>	<b>31</b>

**Exit Exam:** All religion majors must take an exit exam which will be administered in RE 464, Religious Studies Capstone course.

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.

**A minor is not required, but is recommended (minimum 18 hours). In addition to other options, a minor is offered in Religious Education. For details, see the Minors section of this catalog.**

### **General Electives**

	Elective hours as needed to meet minimum 124 hour requirement and all other general University requirements	
	General Electives (with completion of 18 semester hour minor)	<b>27</b>
	General Electives (without a minor)	<b>45</b>

		<b>Hours</b>
	<b>Total Minimum Hours Required for Completion of Religion Major</b>	<b>124</b>

## SOCIAL SCIENCE (SS)

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

### Bachelor of Science - Social Science Major

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

**Program components for the Bachelor of Science with a major in Social Science:**

#### Applicable General University Requirements

Students earning the Bachelor of Science (BS) degree with a major in Social Science must satisfy all general University requirements and meet all financial obligations before a degree is awarded.

#### General Education Requirements

Area	Discipline/Course	Hours
<b>I</b>	<b>Written Composition</b>	<b>6</b>
<b>II</b>	<b>Humanities/Fine Arts (12 hours total)</b>	
	At least one fine arts course	<b>3</b>
	Speech (SPH 106 or 107) course	<b>3</b>
	At least one literature course	<b>3</b>
	Other course in humanities or fine arts	<b>3</b>
<b>III</b>	<b>Mathematics and Natural Sciences (11 hours total)</b>	
	Finite math <u>or</u> higher mathematics course	<b>3</b>
	Natural Sciences (lab based)	<b>8</b>
<b>IV</b>	<b>History/Behavioral and Social Sciences (12 hours total)</b>	
	United States History I and II	<b>6</b>
	General psychology course	<b>3</b>
	Introduction to Sociology <u>or</u> an approved Social and Behavioral Science Elective	<b>3</b>
<b>Total General Education Requirement Hours:</b>		<b>41</b>

#### Major Prerequisite (Pre-Professional) Course Requirements (Area V)

	Discipline/Course	Hours
	CIS 146 Microcomputer Applications <u>or</u> ITE 301 Problem Solving with Computers	<b>3</b>
	Western Civilization I and II <u>or</u> World History I and II	<b>6</b>
	HIS 260 Alabama History <u>or</u> HY 302 Alabama History	<b>3</b>
	Introduction to American National Government <u>or</u> PO 304 Problems of American Government	<b>3</b>
	Economics (Macroeconomics <u>and</u> Microeconomics)	<b>6</b>
	GEO 100 World Regional Geography <u>or</u> GO 300 World Regional Geography	<b>3</b>
	HU 321 Research Sources and Skills	<b>1</b>
<b>Total Major Prerequisite Requirement Hours:</b>		<b>25</b>
<b>Total General Education and Major Prerequisite Requirement Hours:</b>		<b>66</b>

### **Professional Course Requirements**

	<b>Course</b>	<b>Hours</b>
	EC 310 Modern Economics <b>or</b> EC 320 Introduction to International Commerce	<b>3</b>
	HY 307 American Constitutional Law	<b>3</b>
	HY 451 Senior History Seminar	<b>3</b>
	300/400 level American History courses	<b>6</b>
	300/400 level Non-American History courses	<b>6</b>
	PO 303 Comparative State and Local Government <b>or</b> POL 220 State and Local Government	<b>3</b>
	PO 351 American Public Policy	<b>3</b>
	PO 453 International Relations: America and the World	<b>3</b>
	HY/GO 340 South America, Africa and Asia	<b>3</b>
	<b>Total Professional Requirement Hours:</b>	<b>33</b>

A minor is not required.

### **General Electives**

	Elective hours as needed to meet minimum 124 hour requirement and all other general University requirements	<b>25</b>

		<b>Hours</b>
	<b>Total Minimum Hours Required for Completion of Social Science Major</b>	<b>124</b>



## **Bachelor of Science - Social Science Major: Public History Option**

This option within the history and social science majors is designed particularly for students interested in working for historic sites, museums, and archives. It is intended to provide students with practical experience for the public history profession. The experience they gain through the public history course and the internships will help them to decide if public history is a good career for them. They will also gain valuable experience that will help them to gain employment and/or gain admission to the highly competitive graduate programs in archives and public history. This program will also help Athens State University to forge stronger ties to its local communities and the region. **Note:** The Public History option is not available to students pursuing a social science major with minor in education for secondary licensure and certification.

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

**Program components for the Bachelor of Science with a major in Social Science – Public History Option:**

### **Applicable General University Requirements**

Students earning the Bachelor of Science (BS) degree with a major in Social Science – Public History Option must satisfy all general University requirements and meet all financial obligations before a degree is awarded.

### **General Education Requirements**

Area	Discipline/Course	Hours
I	<b>Written Composition</b>	<b>6</b>
II	<b>Humanities/Fine Arts (12 hours total)</b>	
	At least one fine arts course	<b>3</b>
	Speech (SPH 106 or 107) course	<b>3</b>
	At least one literature course	<b>3</b>
	Other course in humanities or fine arts	<b>3</b>
III	<b>Mathematics and Natural Sciences (11 hours total)</b>	
	Finite math <u>or</u> higher mathematics course	<b>3</b>
	Natural Sciences (lab based)	<b>8</b>
IV	<b>History/Behavioral and Social Sciences (12 hours total)</b>	
	United States History I and II	<b>6</b>
	General psychology course	<b>3</b>
	Introduction to Sociology <u>or</u> an approved Social and Behavioral Science Elective	<b>3</b>
<b>Total General Education Requirement Hours:</b>		<b>41</b>

### **Major Prerequisite (Pre-Professional) Course Requirements (Area V)**

	Discipline/Course	Hours
	CIS 146 Microcomputer Applications <u>or</u> ITE 301 Problem Solving with Computers	<b>3</b>
	Western Civilization I and II <u>or</u> World History I and II	<b>6</b>
	HIS 260 Alabama History <u>or</u> HY 302 Alabama History	<b>3</b>
	Introduction to American National Government <u>or</u> PO 304 Problems of American Government	<b>3</b>
	Economics (Macroeconomics <u>and</u> Microeconomics)	<b>6</b>
	GEO 100 World Regional Geography <u>or</u> GO 300 World Regional Geography	<b>3</b>
	HU 321 Research Sources and Skills	<b>1</b>
<b>Total Major Prerequisite Requirement Hours:</b>		<b>25</b>
<b>Total General Education and Major Prerequisite Requirement Hours:</b>		<b>66</b>

### **Professional Course Requirements**

	<b>Course</b>	<b>Hours</b>
	EC 310 Modern Economics <b>or</b> EC 320 Introduction to International Commerce	<b>3</b>
	300/400 level American History courses	<b>6</b>
	300/400 level Non-American History courses	<b>6</b>
	PO 303 Comparative State and Local Government <b>or</b> POL 220 State and Local Government	<b>3</b>
	PO 351 American Public Policy	<b>3</b>
	HY 451 Senior History Seminar	<b>3</b>
	HY 463 Fundamentals of Public History	<b>3</b>
	HY 464 Internship in Public History	<b>3</b>
	HY 465 Internship in Public History	<b>3</b>
	<b>Total Professional Requirement Hours:</b>	<b>33</b>

A minor is not required.

### **General Electives**

	Elective hours as needed to meet minimum 124 hour requirement and all other general University requirements	<b>25</b>

		<b>Hours</b>
	<b>Total Minimum Hours Required for Completion of Social Science Major – Public History Option</b>	<b>124</b>

## **Bachelor of Science - Social Science Major with Minor in Education (Grades 6-12)**

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

**Program components for the Bachelor of Science with a major in Social Science with a minor in Education:**

### **Applicable General University Requirements**

Students earning the Bachelor of Science (BS) degree with a major in Social Science with a minor in Education must satisfy all general University requirements and meet all financial obligations before a degree is awarded. **Additional requirements for this program are:**

- Students must maintain a cumulative GPA of at least 2.75, **and** a minimum GPA of 2.75 in both the Professional Studies and Teaching Field Course Requirements. This is a requirement for student teaching and for graduation.
- Students must have a minimum grade of “C” in any required courses, regardless of whether GPA standards are fulfilled.
- Students must complete the 12 semester hours in History sequences and the courses in Macroeconomics and Microeconomics as required in the General Education and Major Prerequisite Requirements before being admitted to the Teacher Education Program.

### **General Education Requirements**

<b>Area</b>	<b>Discipline/Course</b>	<b>Hours</b>
<b>I</b>	<b>Written Composition</b>	<b>6</b>
<b>II</b>	<b>Humanities/Fine Arts (12 hours total)</b>	
	Fine arts course	<b>3</b>
	Literature course	<b>3</b>
	Speech (SPH 106, 107) course	<b>3</b>
	Other course in humanities or fine arts	<b>3</b>
<b>III</b>	<b>Mathematics and Natural Sciences (11 hours total)</b>	
	Finite math <b>or</b> higher mathematics course	<b>3</b>
	Natural sciences (lab-based)	<b>8</b>
<b>IV</b>	<b>History/Behavioral and Social Sciences (12 hours total)</b>	
	United States History I and II	<b>6</b>
	General psychology course	<b>3</b>
	Introduction to Sociology	<b>3</b>
	<b>Total General Education Requirement Hours:</b>	<b>41</b>

### **Major Prerequisite (Pre-Professional) Course Requirements (Area V)**

	<b>Discipline/Course</b>	<b>Hours</b>
	Western Civilization I and II <b>or</b> World History I and II (must be taken as a sequence)	<b>6</b>
	HIS 260 Alabama History <b>or</b> HY 302 Alabama History	<b>3</b>
	POL 211 American National Government <b>or</b> PO 304 Problems of American Government	<b>3</b>
	Economics (Macroeconomics <b>and</b> Microeconomics)	<b>6</b>
	GEO 100 World Regional Geography <b>or</b> GO 300 World Regional Geography	<b>3</b>
	HU 321 Research Sources and Skills	<b>1</b>
	<b>Total Major Prerequisite Requirement Hours:</b>	<b>22</b>
	<b>Total General Education and Major Prerequisite Requirement Hours:</b>	<b>63</b>

## Teaching Field Course Requirements

	Course	Hours
	EC 310 Modern Economics <b>or</b> EC 320 Introduction to International Commerce	<b>3</b>
	HY 307 American Constitutional Law	<b>3</b>
	HY 451 Senior History Seminar	<b>3</b>
	<b>American History (300/400 level)</b>	
	Choose one course from: HY 303, HY 304, HY 305, HY 306	<b>3</b>
	Other American History elective	<b>3</b>
	<b>Non-American History (300/400 level)</b>	
	Choose one course from: HY 313, HY 314, HY 315, HY 325, HY 334, HY 342, HY 351	<b>3</b>
	Other Non-American History elective	<b>3</b>
	PO 303 Comparative State and Local Government <b>or</b> POL 220 State and Local Government	<b>3</b>
	PO 351 American Public Policy	<b>3</b>
	PO 453 International Relations: America and the World	<b>3</b>
	HY/GO 340 South America, Africa and Asia	<b>3</b>
	<b>Total Teaching Field Requirement Hours:</b>	<b>33</b>
	<b>(Total Credit Hours in Social Science disciplines including Areas I-V: 60)</b>	

## Professional Studies Course Requirements (Education Minor)

	Course	Hours
	ED 301 Introduction to Teaching	<b>1</b>
	ED 302 Foundations of Education	<b>3</b>
	ED 305 Technology & Media in Education (fulfills CIS 146 major/degree prerequisite requirement in Social Science major)	<b>3</b>
	<b><u>SC 331 Classroom Management in Secondary Education</u></b>	<b>3</b>
	SC 333 Teaching Reading/Writing in the Content Areas	<b>3</b>
	<b><u>SC 362 Assessment and Evaluation in Secondary Education</u></b>	<b>3</b>
	SE 301 Survey of Exceptional Learners	<b>3</b>
	SC 400 Field Work Practicum I	<b>1</b>
	<b><u>SC 401 Field Work Practicum II</u></b>	<b>1</b>
	<b><u>SS 450 Materials/Methods of Teaching History and Social Sciences in Middle School/High School</u></b>	<b>3</b>
	<b><u>SC 486 Internship in High School Education</u></b>	<b>4-12</b>
	<b>Total Professional Studies Requirement Hours:</b>	<b>28</b>

Courses boldfaced and underlined in any of the tables above require admission to the Teacher Education Program (TEP) and may not be fulfilled by substituting courses completed at another college or university.

To submit a substitution request for other teaching field or professional courses completed at another college or university, students are required to provide an electronic copy of the course syllabus and/or description to their faculty advisor. This is an Alabama State Department of Education requirement. The Alabama State Department of Education ultimately decides whether or not a course will count as a substitution for an Athens State course after the syllabus and supporting documentation is evaluated.

All students seeking a degree from the College of Education, or a degree from the College of Arts and Sciences with a minor in Education, and subsequent licensure and certification by the State of Alabama, are required to pass the appropriate Praxis II exams for their program of study. A complete listing of these exams along with required scoring information can be reviewed on the College of Education's webpage. **It is the student's responsibility to schedule and take these exams prior to applying for internship (student teaching).**

**A student who does not complete all of the above Professional Studies requirements for the minor in Education and who**

does not wish to seek certification from the State of Alabama may still fulfill the requirements for the Social Science major with a minor in Professional Studies (see minors section of this catalog).

This program of study is open to any student. Students who do not fulfill all Professional Studies Course requirements will not be eligible for licensure and certification by the Alabama State Department of Education.

		Hours
	<b>Total Minimum Hours Required for Completion of Social Science Major with minor in Education</b>	<b>124</b>

## SOCIOLOGY (SO)

The degree programs in Sociology aspire to assist students in planning for their careers. The Bachelor of Arts degree is for those who wish to pursue further graduate training. The Bachelor of Science degree is for those who wish to seek employment after graduation. Department goals are aimed at developing: (1) a knowledge base in sociology; (2) scientific inquiry skills; (3) a sense of ethical and social responsibility in a diverse world; (4) communication skills; (5) professional skills and goals.

### Bachelor of Arts - Sociology Major

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

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

#### Applicable General University Requirements

Students earning the Bachelor of Arts (BA) degree with a major in Sociology must satisfy all general University requirements and meet all financial obligations before a degree is awarded.

#### General Education Requirements

Area	Discipline/Course	Hours
I	<b>Written Composition</b>	<b>6</b>
II	<b>Humanities/Fine Arts (12 hours total)</b>	
	At least one fine arts course	<b>3</b>
	At least one literature course*	<b>3</b>
	Other courses in humanities or fine arts	<b>6</b>
III	<b>Mathematics and Natural Sciences (11 hours total)</b>	
	Finite math <b>or</b> higher mathematics course	<b>3</b>
	Natural Sciences (lab based)	<b>8</b>
IV	<b>History/Behavioral and Social Sciences (12 hours total)</b>	
	At least one history course*	<b>3</b>
	Other courses in history or behavioral/social science	<b>9</b>
	<b>*Students must complete a 6 hour sequence in either Literature (Area II) or History (Area IV).</b>	
	<b>Total General Education Requirement Hours:</b>	<b>41</b>

#### Major Prerequisite (Pre-Professional) Course Requirements (Area V)

	Discipline/Course	Hours
	CIS 146 Microcomputer Applications <b>or</b> ITE 301 Problem Solving with Computers	<b>3</b>
	HU 321 Research Sources and Skills	<b>1</b>
	Introduction to Sociology (SOC 200 or equivalent)	<b>3</b>
	<b>Total Major Prerequisite Requirement Hours:</b>	<b>7</b>
	<b>Total General Education and Major Prerequisite Requirement Hours:</b>	<b>48</b>

**Professional Course Requirements**

	<b>Course</b>	<b>Hours</b>
	SO 312 Majority/Minority Group Relations	<b>3</b>
	SO 314 Population Study	<b>3</b>
	SO 341 Statistics with Advanced Topics in Behavioral Science	<b>3</b>
	SO 342 Methods of Behavioral Science Research	<b>3</b>
	SO 360 Contemporary American Family	<b>3</b>
	SO 361 Social Analysis	<b>3</b>
	SO 362 Deviant Social Behavior	<b>3</b>
	SO 460 Sociological Theories	<b>3</b>
	SO 499 Thinking, Writing, and Speaking in the Behavioral Sciences	<b>3</b>
	Sociology electives (300/400 level) – In addition to courses with the SO prefix, the following courses may also be taken as Sociology electives: CJ 401 Adult Corrections CJ 452 Advanced Criminology CJ 453 Juvenile Delinquency PH 300 Moral Values in Today’s Society PO 350 Introduction to the American Legal System	<b>9</b>
	<b>Total Professional Requirement Hours:</b>	<b>36</b>

A minimum of 24 semester hours of upper division sociology coursework must be completed at Athens State University.

**Exit Exam:** An exit exam is required for graduation and is administered in SO 499. The departmental exit exam covers theories and concepts from all areas of the curriculum.

**Minor (Required)**

		<b>Hours</b>
	Required courses for minor (minimum 18 hours)	<b>18</b>

**General Electives**

		<b>Hours</b>
	Elective hours as needed to meet minimum 124 hour requirement and all other general University requirements	<b>22</b>

		<b>Hours</b>
	<b>Total Minimum Hours Required for Completion of Sociology Major</b>	<b>124</b>

## Bachelor of Science - Sociology Major

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

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

### Applicable General University Requirements

Students earning the Bachelor of Science (BS) degree with a major in Sociology must satisfy all general University requirements and meet all financial obligations before a degree is awarded.

### General Education Requirements

Area	Discipline/Course	Hours
I	<b>Written Composition</b>	<b>6</b>
II	<b>Humanities/Fine Arts (12 hours total)</b>	
	At least one fine arts course	<b>3</b>
	At least one literature course*	<b>3</b>
	Other courses in humanities or fine arts	<b>6</b>
III	<b>Mathematics and Natural Sciences (11 hours total)</b>	
	Finite math <u>or</u> higher mathematics course	<b>3</b>
	Natural Sciences (lab based)	<b>8</b>
IV	<b>History/Behavioral and Social Sciences (12 hours total)</b>	
	At least one history course*	<b>3</b>
	Other courses in history or behavioral/social science	<b>9</b>
	*Students must complete a 6 hour sequence in either Literature (Area II) or History (Area IV).	
	<b>Total General Education Requirement Hours:</b>	<b>41</b>

### Major Prerequisite (Pre-Professional) Course Requirements (Area V)

	Discipline/Course	Hours
	CIS 146 Microcomputer Applications <u>or</u> ITE 301 Problem Solving with Computers	<b>3</b>
	HU 321 Research Sources and Skills	<b>1</b>
	Introduction to Sociology (SOC 200 or equivalent)	<b>3</b>
	<b>Total Major Prerequisite Requirement Hours:</b>	<b>7</b>
	<b>Total General Education and Major Prerequisite Requirement Hours:</b>	<b>48</b>



**Professional Course Requirements**

	<b>Course</b>	<b>Hours</b>
	SO 312 Majority/Minority Group Relations	<b>3</b>
	SO 314 Population Study	<b>3</b>
	SO 341 Statistics with Advanced Topics in Behavioral Science	<b>3</b>
	SO 342 Methods of Behavioral Science Research	<b>3</b>
	SO 360 Contemporary American Family	<b>3</b>
	SO 361 Social Analysis	<b>3</b>
	SO 362 Deviant Social Behavior	<b>3</b>
	SO 460 Sociological Theories	<b>3</b>
	SO 499 Thinking, Writing, and Speaking in the Behavioral Sciences	<b>3</b>
	Sociology electives (300/400 level) – In addition to courses with the SO prefix, the following courses may also be taken as Sociology electives: CJ 401 Adult Corrections CJ 452 Advanced Criminology CJ 453 Juvenile Delinquency PH 300 Moral Values in Today’s Society PO 350 Introduction to the American Legal System	<b>9</b>
	<b>Total Professional Requirement Hours:</b>	<b>36</b>

A minimum of 24 semester hours of upper division sociology coursework must be completed at Athens State University.

**Exit Exam:** An exit exam is required for graduation and is administered in SO 499. The departmental exit exam covers theories and concepts from all areas of the curriculum.

**A minor is not required.**

**General Electives**

	Elective hours as needed to meet minimum 124 hour requirement and all other general University requirements	<b>40</b>
--	---	-----------

		<b>Hours</b>
	<b>Total Minimum Hours Required for Completion of Sociology Major</b>	<b>124</b>

## **College of Arts and Sciences Certificate Program**

### **Children’s Advocacy Studies Training (CAST)**

Requirements for the Certificate in Children’s Advocacy Studies Training (a grade of “C” or better must be achieved on all required courses; please consult course descriptions for possible prerequisites):

	<b>Course</b>	<b>Hours</b>
	CA 301 Perspectives on Child Maltreatment & Child Advocacy	<b>3</b>
	CA 302 Global Child Advocacy Issues	<b>3</b>
	CA 401 Child Advocacy II: Professional and System Responses to Child Maltreatment	<b>4</b>
	<b>Total Required Hours:</b>	<b>10</b>