### COLLEGE OF ARTS AND SCIENCES

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

Forensic Science

Forensic Science is the application of natural science in the investigation and prosecution of crime. Although Athens State University has no specific Forensic Science degree program, the following plan of study has been developed in consultation with the Alabama Department of Forensic Sciences and meets the minimum requirements for an entry level position with that department.

The recommended curriculum would consist of a major in Chemistry, along with a minor in Justice Studies, which includes the following courses:

- JS 301 Criminal Justice Process (3 semester hours)
- JS 302 Criminal Law (3 semester hours)
- JS 400 Law Enforcement in America (3 semester hours)
- JS 452 Advanced Criminology (3 semester hours)
- Justice Studies electives (6 semester hours)

 Students are encouraged to take CH 302, Introduction to Forensic Science (3 semester hours), as one of their required upper level electives. Any remaining electives for the completion of the bachelor’s degree should be taken after consultation with the student’s faculty advisor.

Pre-Law Program

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

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

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

Students interested in choosing political science and/or justice studies as a prelaw major should contact the secretary in the Department of Humanities and Social Sciences in the College of Arts and Sciences - 256-233-6533. For further information call 1-800-522-0272 or (256) 233-8100 or refer to the Athens State University website: www.athens.edu.

Pre-Health Programs

Students interested in the pre-health professions listed below should contact Chief Pre-Health Professions Advisor, Dr. Bruce Thomas at 1-800-522-0272 (Ext. 513) or (256) 233-6513; or by e-mail at bruce.thomas@athens.edu.

<table>
<thead>
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<th>Pre-medicine (osteopathic and allopathic)</th>
<th>Pre-veterinary</th>
<th>Pre-podiatry</th>
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<td>Pre-dentistry</td>
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<td>Pre-optometry</td>
<td>Pre-chiropractic</td>
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<td>Pre-occupational therapy</td>
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<td>Pre-physical therapy</td>
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</table>

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

- English composition and literature (12 semester hours)
- General chemistry with laboratory (8 semester hours)
- Organic chemistry with laboratory (8 semester hours)
- Biochemistry (recommended) (3 semester hours)
- General biology with laboratory (8 semester hours)
- (additional biology electives recommended are: genetics, embryology, cell biology, and physiology)
- General physics with laboratory (8 semester hours)
- Mathematics (calculus recommended) (6 semester hours)
The mission of the College of Arts and Sciences curricula is designed to prepare students for entry into the job market, or for continuing education in graduate or professional school. Through its course offerings, the College seeks to engage the intellect, excite the imagination, and improve the scholarship of its students, and assist its students in developing:

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

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

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

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

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

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

The Department of Natural Science offers courses in two areas of study: Biology and Chemistry. Programs in the Department employ an interdisciplinary approach to the natural sciences providing a comprehensive science education background obtained through rigorous coursework, laboratory, and field experience. Structured to prepare students for career opportunities in science, in government, industry, and education, or for pursuing post-graduate studies, the Department goals are aimed at: (1) enhancing the student’s knowledge of the fundamental principles of biology, chemistry, and related life sciences and their interrelationships; (2) cultivating analytical and problem solving skills through the active teaching of the scientific method; (3) instilling an appreciation for ethical principles in the conduct of scientific inquiry and use of new technology; and (4) communicating scientific findings and ideas clearly orally and in writing. Students pursuing teaching certification or licensure will complete additional requirements from the College of Education.
Majors leading to a Bachelor of Arts degree are in the disciplines of Art, English, History, Political Science, Psychology, Religious Studies, and Sociology. Majors leading to a Bachelor of Science degree are in the disciplines of Biology, Chemistry, Computer Science, Health and Wellness Management, Justice Studies, Mathematics, Political Science, Psychology, and Sociology. The disciplines of Psychology and Sociology sponsor an interdisciplinary major in Behavioral Science leading to a Bachelor of Science degree. The Department of Computer Science sponsors a computer networking certificate program. The College of Arts and Sciences in cooperation with the College of Education offers Licensure and Certification Track majors in Biology, Chemistry, English, History, Mathematics, and Social Science for those students who are interested in teaching in Middle School or High School. Completion of these track requirements will lead to Class B Certification in High School Education. In cooperation with the College of Business and the College of Education, the College sponsors an interdisciplinary majors in Health Science and Public Safety and Health Administration leading to the Bachelor of Science degree. Pre-medical, pre-dental, and para-medical students are advised to major in either Biology or Chemistry; a program of study tailored to meet specific recommendations of a particular professional school, and leading to a Bachelor of Science degree, will be worked out for the student in consultation with his or her Faculty Advisor.

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

**DISTANCE EDUCATION**

The College of Arts and Sciences offers online degree programs in the following majors: Computer Science (Computer Information Systems Option), Religion, and Liberal Studies. All coursework for these majors may be completed via distance learning. For further information regarding distance education, refer to pages 41 and 42 in the section Academic Policies and Procedures under the headings Distance Learning, New Student Orientation for Online Courses and Information for New Students Regarding Online Technology.
**ART (AR)**

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

**Bachelor of Arts - Art Major**  
**(Computer Graphics Option)**  
**MAJOR CODE: 50.0701A**

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

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

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

2. **GENERAL EDUCATION REQUIREMENTS:**
   
   **Area I.** Written Composition ................................................................. 6 semester hours __ __

   **Area II.** Humanities/Fine Arts (12 semester hours)
   - At least one fine arts course ................................................................. 3 semester hours __
   - At least one literature course .............................................................. 3 semester hours __
   - Other Humanities/Fine Arts courses ................................................... 6 semester hours __ __

   **Area III.** Mathematics and Natural Sciences (11 semester hours)
   - Finite Math or its equivalent required .................................................. 3 semester hours __
   - Natural Sciences (lab based) required ................................................ 8 semester hours __ __

   **Area IV.** History/Behavioral and Social Sciences (12 semester hours)
   - At least one history course ................................................................. 3 semester hours __
   - Additional history/behavioral/social science courses .......................... 9 semester hours __ __ __

   **TOTAL GENERAL EDUCATION REQUIREMENTS** ........................................... **41 SEMESTER HOURS**

3. **MAJOR PREREQUISITE COURSES (PRE-PROFESSIONAL):**
   - CIS 146 Microcomputer Applications **or**
   - CIS 301 Problem Solving with Computers ........................................... 3 semester hours __
   - HU 321 Research Sources and Skills **or** its equivalent .................... 1 semester hour __
   - Electives .............................................................................................. 12 semester hours __ __
Select a minimum of 6 semester credit hours from among the following art areas:

Photography ................................................................................................................ 3 semester hours ___
Computer Graphics ..................................................................................................... 3 semester hours ___
Illustration ................................................................................................................... 3 semester hours ___
Digital Design .............................................................................................................. 3 semester hours ___
Multimedia Production .............................................................................................. 3 semester hours ___

TOTAL MAJOR PREREQUISITE HOURS: ....................................................... 22 SEMESTER HOURS

TOTAL GEN. ED. REQUIREMENTS & MAJOR PREREQUISITE HOURS: . 63 SEMESTER HOURS

4. PROFESSIONAL COURSES:

AR 300 Art Studio in Critique ................................................................. 3 semester hours ___
AR 331 Digital Photography ................................................................. 3 semester hours ___
AR 335 Topics in Adobe Photoshop ...................................................... 3 semester hours ___
AR 336 Digital Microphotography and Image Analysis ...................... 3 semester hours ___
AR 404 Art Studio in Photography ........................................................... 3 semester hours ___
AR 410 Adobe Illustrator Design ............................................................ 3 semester hours ___
AR 423 History of Modern Art ................................................................. 3 semester hours ___
AR 424 Late Modern Art History ............................................................... 3 semester hours ___
AR 426 Critical Theories of Today’s Art ................................................... 3 semester hours ___
AR 435 Computer Graphics ................................................................. 3 semester hours ___
AR 465 (formerly AR 402) Portfolio, Exhibition and Art Research ........ 3 semester hours ___
Art Electives* ................................................................................................. 12 semester hours ___ ___

*MK 334, Internet Marketing, will be counted toward this requirement. AR 405, Interface Design Management, is recommended.

TOTAL PROFESSIONAL HOURS: ................................................................. 45 SEMESTER HOURS

5. The Art major must complete a minimum of forty-five semester hours of art coursework, at least fifteen semester hours of which must be taken at Athens State University. At least 18 hours of coursework in the major must be upper-division coursework (300-400 level). All students will be required to exhibit their work on campus during their final term before graduation.

6. A minor is required. Students are encouraged to seek a minor in Art History or Marketing.........................18 semester hours

TOTAL HOURS FOR GRADUATION ..........................................................126 SEMESTER HOURS

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

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

Course requirements for these minors can be found at the end of the College of Arts and Sciences section of the catalog.
Program components for the Bachelor of Arts degree with a major in Art include:

1. **APPLICABLE GENERAL UNIVERSITY REQUIREMENTS:**

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

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

2. **GENERAL EDUCATION REQUIREMENTS:**

   **Area I. Written Composition ................................................................. 6 semester hours**

   **Area II. Humanities/Fine Arts (12 semester hours)**
   - At least one fine arts course .............................................................. 3 semester hours
   - At least one literature course ............................................................. 3 semester hours
   - Other Humanities/Fine Arts courses .................................................. 6 semester hours

   **Area III. Mathematics and Natural Sciences (11 semester hours)**
   - Finite Math or its equivalent required ............................................ 3 semester hours
   - Natural Sciences (lab based) required ............................................... 8 semester hours

   **Area IV. History/Behavioral and Social Sciences (12 semester hours)**
   - At least one history course ............................................................... 3 semester hours
   - Additional history/behavioral/social science courses ....................... 9 semester hours

   **TOTAL GENERAL EDUCATION REQUIREMENTS ........................................... 41 SEMESTER HOURS**

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

   **CIS 146 Microcomputer Applications or CIS 301 Problem Solving with Computers ......................................................... 3 semester hours**
   **HU 321 Research Sources and Skills or its equivalent ............................................ 6 semester hours**
   **Art Electives ....................................................................................... 12 semester hours**

   **TOTAL MAJOR PREREQUISITE HOURS: .................................................. 22 SEMESTER HOURS**

   **TOTAL GEN. ED. REQUIREMENTS & MAJOR PREREQUISITE HOURS: ........ 63 SEMESTER HOURS**

4. **PROFESSIONAL COURSES:**

   **AR 300 Art Studio in Critique ............................................................... 3 semester hours**
   **AR 301 Painting ................................................................................... 3 semester hours**
   **AR 311 Landscape Painting and Drawing or AR 314 Topics in Watercolor .... 3 semester hours**
   **AR 312 Figure Drawing ...................................................................... 3 semester hours**
   **AR 315 Topics in Ceramics or AR 317 Ceramic Sculpture ..................... 3 semester hours**
   **AR 331 Digital Photography ............................................................... 3 semester hours**
   **AR 408 Printmaking ........................................................................... 3 semester hours**
   **AR 420 Art Studio in Painting ............................................................. 3 semester hours**
   **AR 423 History of Modern Art ............................................................ 3 semester hours**
   **AR 424 Late Modern Art History ....................................................... 3 semester hours**
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<td>AR 430</td>
<td>Advanced Drawing and Design</td>
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<td>AR 461</td>
<td>Special Workshop in Sculpture</td>
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<tr>
<td>AR 465</td>
<td>(formerly AR 402) Portfolio, Exhibition and Art Research</td>
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<tr>
<td>Art Elective</td>
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**TOTAL PROFESSIONAL HOURS:** 45 SEMESTER HOURS

5. The Art major must complete a minimum of forty-five semester hours of art coursework, at least fifteen semester hours of which must be taken at Athens State University. At least 18 hours of coursework in the major must be upper-division coursework (300–400 level). All students will be required to exhibit their work on campus during their final term before graduation.

6. A minor is required. A minor in Art History is recommended. 18 semester hours

**TOTAL HOURS FOR GRADUATION:** 126 SEMESTER HOURS
BEHAVIORAL SCIENCE

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

Bachelor of Science - Behavioral Science Major
MAJOR CODE: 30.9999

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

1. **APPLICABLE GENERAL UNIVERSITY REQUIREMENTS:**

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

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

2. **GENERAL EDUCATION REQUIREMENTS:**

   **Area I. Written Composition** ................................................................. 6 semester hours

   **Area II. Humanities/Fine Arts (12 semester hours)**
   - At least one fine arts course ................................................................. 3 semester hours
   - At least one literature course ................................................................. 3 semester hours
   - Other Humanities/Fine Arts courses ...................................................... 6 semester hours

   **Area III. Mathematics and Natural Sciences (11 semester hours)**
   - Finite Math or its equivalent required .................................................... 3 semester hours
   - Natural Sciences (lab based) required .................................................... 8 semester hours

   **Area IV. History/Behavioral and Social Sciences (12 semester hours)**
   - At least one history course .................................................................... 3 semester hours
   - Other History/Behavioral or Social Science courses ............................... 9 semester hours

   **TOTAL GENERAL EDUCATION REQUIREMENTS** ................................. 41 SEMESTER HOURS

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

   **CIS 146 Microcomputer Applications** **or**
   **CIS 301 Problem Solving with Computers** ............................................ 3 semester hours
   **HU 321 Research Sources and Skills** **or** its equivalent .......................... 1 semester hour
   **General Electives** .............................................................................. 19 semester hours

   **TOTAL MAJOR PREREQUISITE HOURS:** ............................................. 23 SEMESTER HOURS

   **TOTAL GEN. ED. REQ. & MAJOR PREREQUISITE HOURS:** ................. 64 SEMESTER HOURS
4. **PROFESSIONAL COURSES:**
The following courses must be completed at the 300/400 level:

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

**TOTAL PROFESSIONAL HOURS:................................................................. 39 SEMESTER HOURS**

5. A minor is not required.

6. **GENERAL ELECTIVES .................................................................................. 25 SEMESTER HOURS**

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

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

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

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

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

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

Bachelor of Science - Biology Major
MAJOR CODE: 26.0101

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

1. **APPLICABLE GENERAL UNIVERSITY REQUIREMENTS:**

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

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

2. **GENERAL EDUCATION REQUIREMENTS:**

   **Area I. Written Composition** ................................................................. 6 semester hours __ __

   **Area II. Humanities/Fine Arts (12 semester hours)**
   - At least one fine arts course ................................................................. 3 semester hours __
   - At least one literature course ............................................................... 3 semester hours __
   - Other Humanities/Fine Arts courses .................................................. 6 semester hours __ __

   **Area III. Mathematics and Natural Sciences (11 semester hours)**
   - Precalculus Algebra or higher ............................................................. 3 semester hours __
   - Principles of Biology I and II ............................................................ 8 semester hours __ __

   **Area IV. History/Behavioral and Social Sciences (12 semester hours)**
   - At least one history course ................................................................. 3 semester hours __
   - Other History/Behavioral or Social Science courses ......................... 9 semester hours __ __ __

   **TOTAL GENERAL EDUCATION REQUIREMENTS** ................................... 41 SEMESTER HOURS

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

   The biology major must complete:
   - College Chemistry I .............................................................................. 4 semester hours __
   - College Chemistry II ............................................................................. 4 semester hours __
   - Biology or Chemistry Elective ............................................................... 4 semester hours __
   - Elementary Statistics or Calculus I ...................................................... 3-4 semester hours __
   - Fundamentals of Organic Chemistry or Organic Chemistry I ............... 3-4 semester hours __
   - CIS 146 Microcomputer Applications or CIS 301 Problem Solving with Computers .................................................. 3 semester hours __
   - HU 321 Research Sources and Skills or its equivalent ......................... 1 semester hour

   **TOTAL MAJOR PREREQUISITE HOURS:** ............................................ 22-24 SEMESTER HOURS

   **TOTAL GEN. ED. REQ. & MAJOR PREREQUISITE HOURS:** .................. 63-65 SEMESTER HOURS
4. PROFESSIONAL COURSES:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Semester Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>BI 301/BI 301L</td>
<td>Cell Structure and Function</td>
<td>4</td>
</tr>
<tr>
<td>BI 302/BI 302L</td>
<td>Genetics</td>
<td>4</td>
</tr>
<tr>
<td>*BI 303/BI 303L</td>
<td>General Ecology or BI 453/BI 453L Plant Ecology</td>
<td>4</td>
</tr>
<tr>
<td>BI 470</td>
<td>Biology Capstone</td>
<td>1</td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Semester Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>BI 300/BI 300L</td>
<td>Microbes and You</td>
<td>4</td>
</tr>
<tr>
<td>BI 303/BI 303L</td>
<td>General Ecology</td>
<td>4</td>
</tr>
<tr>
<td>BI 311/BI 311L</td>
<td>Biodiversity of North Alabama</td>
<td>4</td>
</tr>
<tr>
<td>BI 321</td>
<td>Conservation Biology</td>
<td>3</td>
</tr>
<tr>
<td>BI 336</td>
<td>Digital Microphotography and Image Analysis</td>
<td>3</td>
</tr>
<tr>
<td>BI 342/BI 342L</td>
<td>Economic Botany</td>
<td>4</td>
</tr>
<tr>
<td>BI 361/BI 361L</td>
<td>Human Structure and Function</td>
<td>4</td>
</tr>
<tr>
<td>BI 409</td>
<td>Biochemistry</td>
<td>3</td>
</tr>
<tr>
<td>BI 411/BI 411L</td>
<td>Invertebrate Systematics and Morphology</td>
<td>4</td>
</tr>
<tr>
<td>BI 413/BI 413L</td>
<td>Vertebrate Biology</td>
<td>4</td>
</tr>
<tr>
<td>BI 414/BI 414L</td>
<td>Comparative Vertebrate Anatomy</td>
<td>4</td>
</tr>
<tr>
<td>BI 415</td>
<td>Microbial Toxins and Human Health</td>
<td>3</td>
</tr>
<tr>
<td>BI 420</td>
<td>Field Vertebrate Zoology I: Ichthyology and Herpetology</td>
<td>4</td>
</tr>
<tr>
<td>BI 422</td>
<td>Field Vertebrate Zoology II: Ornithology and Mammalogy</td>
<td>4</td>
</tr>
<tr>
<td>BI 423/BI 423L</td>
<td>Histology</td>
<td>4</td>
</tr>
<tr>
<td>BI 424/BI 424L</td>
<td>Animal Physiology</td>
<td>4</td>
</tr>
<tr>
<td>BI 425/BI 425L</td>
<td>Developmental Biology</td>
<td>4</td>
</tr>
<tr>
<td>BI 427/BI 427L</td>
<td>Parasitology</td>
<td>4</td>
</tr>
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<td>BI 429/BI 429L</td>
<td>Immunology</td>
<td>4</td>
</tr>
<tr>
<td>BI 431/BI 431L</td>
<td>Plant Systematics and Morphology</td>
<td>4</td>
</tr>
<tr>
<td>BI 434</td>
<td>Sample to Sequence</td>
<td>4</td>
</tr>
<tr>
<td>BI 451/451L</td>
<td>Marine Biology</td>
<td>4</td>
</tr>
<tr>
<td>BI 452/BI 452L</td>
<td>Marine Ecology</td>
<td>4</td>
</tr>
<tr>
<td>BI 453/453L</td>
<td>Plant Ecology</td>
<td>4</td>
</tr>
</tbody>
</table>

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

TOTAL PROFESSIONAL HOURS: ................................................................. 31 SEMESTER HOURS

5. The Biology major must complete a minimum of 18 semester hours of upper division biology coursework, at

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

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

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

7. GENERAL ELECTIVES ................................................................. 12 semester hours

8. TOTAL HOURS FOR GRADUATION .................................................. 124-126 SEMESTER HOURS

9. Exit examination (required): The Department of Biology administers an exit examination to its majors.
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 Zoology. The examination is designed to be completed in 60 minutes. The exit examination is administered during the term at the end of which the major expects to graduate. Contact the Office of Testing (256-233-6540) to schedule an appointment.

Exit examination ........................................................................................................____

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

- Biology
- Marine Science

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

MARINE ENVIRONMENTAL SCIENCES CONSORTIUM

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

- Coastal Birds of Alabama  
- Marine Biology  
- Marine Invertebrate Zoology  
- Marine Botany  
- Marine Geology  
- Marine Ecology  
- Marine Vertebrate Zoology  
- Coral Reef Ecology  
- Oceanology of the Gulf of Mexico  
- Advanced Anatomy and Evolution of Marine Fishes  
- Introduction to Neurobiology  
- Marine Fish Diseases  
- Introduction to Oceanography  
- Marine Technical Methods  
- Coastal Geomorphology  
- Coastal Climatology  
- Marine Aquaculture  
- Coastal Zone Management  
- Dolphins and Whales  
- Marine Behavioral Ecology
Bachelor of Science - Biology Major
(Licensure and Certification Track for Teaching in Secondary Education) (Grades 6-12)
MAJOR CODE: 26.0101

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

NOTE: To receive certification in grades 6-12, the students MUST:
1) complete the below listed requirements to include the minor for certification and licensure;
2) maintain a grade point average of at least a 2.5 on a 4.0 scale in the teaching field and overall education.
   A 2.75 is required in the professional studies. This is a requirement for student teaching and for graduation.
3) repeat courses in which D’s and F’s are made and realize that all attempts are calculated in the GPA.
4) understand that underlined courses in the minor require admission into the Teacher Education Program (TEP).

1. APPLICABLE GENERAL UNIVERSITY REQUIREMENTS:

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

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

2. GENERAL EDUCATION REQUIREMENTS:

   Area I. Written Composition .............................................................................. 6 semester hours ___ ___
   Area II. Humanities and Fine Arts (12 semester hours)
     Fine Arts ........................................................................................................... 3 semester hours ___
     Speech (SPH 106 or SPH 107) ................................................................. 3 semester hours ___
     Other Humanities/Fine Arts course ......................................................... 3 semester hours ___
     Literature* ..................................................................................................... 3 semester hours ___
     or 6 semester hours ___ ___
   Area III. Mathematics and Natural Sciences (11 semester hours)
     Precalculus Algebra or higher ................................................................. 3 semester hours ___
     Principles of Biology I and II ................................................................. 8 semester hours ___ ___
   Area IV. History/Behavioral and Social Sciences (12 semester hours)
     History* ................................................................. 3 semester hours ___
     or 6 semester hours ___ ___
     General Psychology ....................................................................................... 3 semester hours ___
     Other History/Behavioral or Social Science elective .............................. 3 semester hours ___

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

TOTAL GENERAL EDUCATION REQUIREMENTS: ........................................ 41 SEMESTER HOURS

3. MAJOR PREREQUISITE COURSES (PRE-PROFESSIONAL):

   The biology major must complete:
   College Chemistry I .......................................................................................... 4 semester hours ___
   College Chemistry II ........................................................................................ 4 semester hours ___
   Biology or Chemistry Elective ........................................................................... 4 semester hours ___
   Elementary Statistics or Calculus I ................................................................. 3-4 semester hours ___
   Fundamentals of Organic Chemistry or Organic Chemistry I ...................... 3-4 semester hours ___
   Electives ............................................................................................................ 3-5 semester hours ___

TOTAL MAJOR PREREQUISITE HOURS: ......................................................... 21-25 SEMESTER HOURS

TOTAL GEN. ED. REQ. AND MAJOR PREREQUISITE HOURS: .............. 62-66 SEMESTER HOURS
4. **PROFESSIONAL COURSES:**
   - BI 301/BI 301L Cell Structure and Function .............................................................. 4 semester hours
   - BI 302/BI 302L Genetics ......................................................................................... 4 semester hours
   - BI 303/BI 303L General Ecology ........................................................................... 4 semester hours

   *Select a minimum of 18 semester credit hours from among the following biology courses:*
   - BI 300/BI 300L Microbes and You ................................................................. 4 semester hours
   - BI 311/BI 311L Biodiversity of North Alabama ................................................... 4 semester hours
   - BI 321 Conservation Biology ............................................................................. 3 semester hours
   - BI 336 Digital Microphotography and Image Analysis ........................................... 3 semester hours
   - BI 342/BI 342L Economic Botany ...................................................................... 4 semester hours
   - BI 361/BI 361L Human Structure and Function .................................................. 4 semester hours
   - BI 409 Biochemistry ............................................................................................ 3 semester hours
   - BI 411/BI 411L Invertebrate Systematics and Morphology .................................... 4 semester hours
   - BI 413/BI 413L Vertebrate Biology ..................................................................... 4 semester hours
   - BI 414/BI 414L Comparative Vertebrate Anatomy .............................................. 4 semester hours
   - BI 415 Microbial Toxins and Human Health ....................................................... 3 semester hours
   - BI 420 Field Vertebrate Zoology I: Ichthyology and Herpetology ......................... 4 semester hours
   - BI 422 Field Vertebrate Zoology II: Ornithology and Mammalogy ....................... 4 semester hours
   - BI 423/BI 423L Histology ...................................................................................... 4 semester hours
   - BI 424/BI 424L Animal Physiology ..................................................................... 4 semester hours
   - BI 425/BI 425L Developmental Biology ............................................................. 4 semester hours
   - BI 427/BI 427L Parasitology ............................................................................... 4 semester hours
   - BI 429/BI 429L Immunology ............................................................................. 4 semester hours
   - BI 431/BI 431L Plant Systematics and Morphology ............................................. 4 semester hours
   - BI 451/BI 451L Marine Biology ......................................................................... 4 semester hours
   - BI 452/BI 452L Marine Ecology ......................................................................... 4 semester hours
   - BI 453/BI 453L Plant Ecology ............................................................................ 4 semester hours
   - BI 457 AMSTI/SIM Laboratory Technologies for Teachers ................................... 3 semester hours

   **TOTAL PROFESSIONAL HOURS:** ........................................................................ 30 SEMESTER HOURS

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

6. **COURSES FOR CERTIFICATION:**
   - ED 301 Foundations of Education I ..................................................................... 3 semester hours
   - ED 301 Foundations of Education II .................................................................... 3 semester hours
   - ED 305 Technology & Media in Education .......................................................... 3 semester hours
   - SC 331 Classroom Management in Secondary Education ...................................... 3 semester hours
   - SC 335 Teaching Reading/Writing in the Content Areas ....................................... 3 semester hours
   - SC 362 Assessment and Evaluation in Secondary Education .................................. 3 semester hours
   - PS 334 Adolescent Psychology ......................................................................... 3 semester hours
   - SE 301 Introduction to Exceptional Learners ....................................................... 3 semester hours
   - BI 456 Materials/Methods of Teaching Biology in the Middle School/High School ................................................................. 3 semester hours
   - SC 486 Internship in High School Education ....................................................... 9 semester hours

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

   **TOTAL HOURS FOR GRADUATION** ................................................................ 128-132 SEMESTER HOURS

7. Courses underlined require admission to the Teacher Education Program (TEP) and may not be transferred from another university.

8. Each student will be required to produce course syllabi and/or course descriptions for courses they wish to transfer towards their Professional Courses requirements. 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 transfer credit after they evaluate the syllabi.
CHEMISTRY (CH)

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

Bachelor of Science - Chemistry Major
MAJOR CODE: 40.0501

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

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

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

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

   *Prerequisites: Precalculus Algebra and Precalculus Trigonometry

   TOTAL GENERAL EDUCATION REQUIREMENTS ........................................ 42 SEMESTER HOURS

3. **MAJOR PREREQUISITE COURSES (PRE-PROFESSIONAL COURSES):**
   - Calculus II .......................................................................................... 4 semester hours ___
   - Calculus III ......................................................................................... 4 semester hours ___
   - General Physics I (Calculus based) ..................................................... 4 semester hours ___
   - General Physics II (Calculus based) ................................................... 4 semester hours ___
   - Microcomputer Applications ............................................................... 3 semester hours ___
   - HU 321 Research Sources and Skills or its equivalent ....................... 1 semester hour ___
   - Electives ......................................................................................... 2 semester hours ___

   TOTAL MAJOR PREREQUISITE HOURS: ............................................. 22 SEMESTER HOURS

   TOTAL GEN. ED. REQ. & MAJOR PREREQUISITE HOURS: .............. 64 SEMESTER HOURS
4. **PROFESSIONAL COURSES:**

```
CH 311/CH 311L Organic Chemistry I ................................................................. 5 semester hours ___
CH 312/CH 312L Organic Chemistry II .............................................................. 5 semester hours ___
CH 314/CH 314L Polymer Science .................................................................... 4 semester hours ___
CH 324/CH 324L Analytical Chemistry ............................................................. 4 semester hours ___
CH 330 Environmental Chemistry** ................................................................. 3 semester hours ___
CH 410/CH 410L Instrumental Analysis ............................................................. 4 semester hours ___
CH 420 Intermediate Inorganic Chemistry ...................................................... 3 semester hours ___
CH 430/CH 430L Physical Chemistry I ............................................................... 5 semester hours ___
CH 431/CH 431L Physical Chemistry II .............................................................. 4 semester hours ___
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**The major who plans to attend medical school or health related professional (e.g., veterinary, chiropractic, osteopathic, pharmacy) schools may substitute CH 409 Biochemistry for either CH 314 or CH 330.

**TOTAL PROFESSIONAL HOURS:................................................................. 37 SEMESTER HOURS**

5. The chemistry major must complete a minimum of 24 semester hours of upper division 300/400 level chemistry coursework at Athens State University. For those majors who plan to attend graduate, medical, or other professional school, the following courses are recommended:

```
CH 409 Biochemistry
MA 321 Differential Equations
```

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

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

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

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

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

- Chemistry

Course requirements for this minor can be found at the end of the College of Arts and Sciences section of the catalog.
Bachelor of Science - Chemistry Major
(Licensure and Certification Track for Teaching in Secondary Education) (Grades 6-12)
MAJOR CODE: 40.0501
(Due to the No Child Left Behind Federal Act of 2001, the program listed below may have changed. See your advisor.)

NOTE: To receive certification in grades 6-12, the students MUST:
1) complete the below listed requirements to include the minor for certification and licensure;
2) maintain a grade point average of at least a 2.5 on a 4.0 scale in the teaching field and overall education. A 2.75 is required in the professional studies. This is a requirement for student teaching and for graduation.
3) repeat courses in which D’s and F’s are made and realize that all attempts are calculated in the GPA.
4) understand that underlined courses in the minor require admission into the Teacher Education Program (TEP).

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

2. GENERAL EDUCATION REQUIREMENTS:
   Area I. Written Composition ................................................................. 6 semester hours
   Area II. Humanities and Fine Arts (12 semester hours)
   The Arts ................................................................................. 3 semester hours
   Speech (SPH 106 or SPH 107) .................................................. 3 semester hours
   Humanities Elective ............................................................ 3 semester hours
   Literature* .............................................................................. 3 semester hours
   or 6 semester hours
   Area III. Natural Sciences and Mathematics (12 semester hours)
   Calculus I** ................................................................. 4 semester hours
   College Chemistry I and II ................................................ 8 semester hours
   Area IV. History/Behavioral and Social Sciences (12 semester hours)
   History* .............................................................................. 3 semester hours
   or 6 semester hours
   General Psychology ............................................................ 3 semester hours
   Other History/Behavioral or Social Science Elective ........... 3 semester hours

   *Students must complete a 6 semester hour sequence in either Area II Literature or Area IV History.
   **Prerequisites: Precalculus Algebra and Precalculus Trigonometry

3. MAJOR PREREQUISITE COURSES (PRE-PROFESSIONAL):
   Calculus II .............................................................................. 4 semester hours
   Calculus III ............................................................................. 4 semester hours
   General Physics I (Calculus based) ......................................... 4 semester hours
   General Physics II (Calculus based) ....................................... 4 semester hours
   Electives .................................................................................. 6 semester hours

   TOTAL MAJOR PREREQUISITE HOURS: ............................... 22 SEMESTER HOURS

TOTAL GENERAL EDUCATION REQUIREMENTS: ........................................... 42 SEMESTER HOURS

TOTAL GEN. ED. REQ. AND MAJOR PREREQUISITE HOURS: ............... 64 SEMESTER HOURS
4. **PROFESSIONAL COURSES:**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Semester Hours</th>
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<tbody>
<tr>
<td>CH 311/CH 311L</td>
<td>Organic Chemistry I</td>
<td>5</td>
</tr>
<tr>
<td>CH 312/CH 312L</td>
<td>Organic Chemistry II</td>
<td>5</td>
</tr>
<tr>
<td>CH 324 /CH 324L</td>
<td>Analytical Chemistry</td>
<td>4</td>
</tr>
<tr>
<td>CH 330</td>
<td>Environmental Chemistry</td>
<td>3</td>
</tr>
<tr>
<td>CH 409</td>
<td>Biochemistry</td>
<td>3</td>
</tr>
<tr>
<td>CH 410/CH 410L</td>
<td>Instrumental Analysis</td>
<td>4</td>
</tr>
<tr>
<td>CH 420 Intermediate Inorganic Chemistry</td>
<td>3 semester hours</td>
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</tr>
<tr>
<td>CH 430/CH 430L</td>
<td>Physical Chemistry I</td>
<td>5</td>
</tr>
<tr>
<td>CH 431/CH 431L</td>
<td>Physical Chemistry II</td>
<td>4</td>
</tr>
</tbody>
</table>

**TOTAL PROFESSIONAL HOURS: ................................................................. 36 SEMESTER HOURS**

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

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

7. **COURSES FOR CERTIFICATION:**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Semester Hours</th>
</tr>
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<tbody>
<tr>
<td>ED 301</td>
<td>Foundations of Education I</td>
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</tr>
<tr>
<td>ED 302</td>
<td>Foundations of Education II</td>
<td>3</td>
</tr>
<tr>
<td>ED 305 Technology &amp; Media in Education</td>
<td>3</td>
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<tr>
<td>SC 331 Classroom Management in Secondary Education</td>
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<td>SC 333 Teaching Reading/Writing in the Content Areas</td>
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<td>SC 362 Assessment and Evaluation in Secondary Education</td>
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<td>PS 334</td>
<td>Adolescent Psychology</td>
<td>3</td>
</tr>
<tr>
<td>SE 301</td>
<td>Introduction to Exceptional Learners</td>
<td>3</td>
</tr>
<tr>
<td>CH456 Materials and Methods of Teaching Chemistry in Middle School/High School</td>
<td>3 semester hours</td>
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</tr>
<tr>
<td>SC486 Internship in High School Education</td>
<td>9 semester hours</td>
<td></td>
</tr>
</tbody>
</table>

**TOTAL REQ. FOR LICENSURE/CERTIFICATION .............................................. 36 SEMESTER HOURS**

**TOTAL HOURS FOR GRADUATION ............................................................... 136 SEMESTER HOURS**

8. Courses underlined require admission to the Teacher Education Program (TEP) and may not be transferred from another university.

9. Each student will be required to produce course syllabi and/or course descriptions for courses they wish to transfer towards their Professional Courses requirements. 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 transfer credit after they evaluate the syllabi.
COMPUTER SCIENCE (CS)

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

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

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

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

The Computer Networking (CN) program focuses on the technical aspects of computer networking. Combined with the structured programming features found in both the CS and CIS curricula, the student should be well prepared for the job market.

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

- No RPG or computer applications courses will be accepted.
- Not more than 3 semester hours of FORTRAN will be accepted.
- Introduction to Information Systems and Basic Programming will not be accepted as electives.
- “System Analysis and Design” courses cannot be substituted for CS 451 or CS 452.
- “Work-based experience” credit cannot be substituted for CS 451 or CS 452 or CN courses.
- Locally administered certification examinations are not accepted.
Program components for the Bachelor of Science degree with a major in Computer Science include:

1. **APPLICABLE GENERAL UNIVERSITY REQUIREMENTS:**

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

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

2. **GENERAL EDUCATION REQUIREMENTS:**

   **Area I. Written Composition** ................................................................. 6 semester hours ___ ___

   **Area II. Humanities/Fine Arts (12 semester hours)**
   - At least one fine arts course ................................................................. 3 semester hours ___
   - At least one literature course ............................................................... 3 semester hours ___
   - Other Humanities/Fine Arts courses .................................................... 6 semester hours ___ ___

   **Area III. Mathematics and Natural Sciences (11 semester hours)**
   - Precalculus Algebra or Precalculus Algebra and Trigonometry ............ 3 semester hours ___
   - Natural Sciences (lab based) ................................................................. 8 semester hours ___ ___

   **Area IV. History/Behavioral and Social Sciences (12 semester hours)**
   - At least one history course ................................................................. 3 semester hours ___
   - Other History/Behavioral or Social Science courses ............................. 9 semester hours ___ ___ ___

   **TOTAL GENERAL EDUCATION REQUIREMENTS** .............................. 41 SEMESTER HOURS

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

   - Precalculus Trigonometry* ................................................................. 3 semester hours ___
   - Calculus I ............................................................................................. 4 semester hours ___
   - Calculus II ............................................................................................ 4 semester hours ___
   - Calculus III .......................................................................................... 4 semester hours ___
   - Microcomputer Applications ............................................................... 3 semester hours ___
   - Computer Programming Class ......................................................... 3 semester hours ___
   - HU 321 Research Sources and Skills or its equivalent .......................... 1 semester hour ___
   - General Electives ............................................................................... 0-1 semester hour ___

   *If Precalculus Algebra (3 semester hours) is completed to satisfy the Area III mathematics requirement, the student should complete Precalculus Trigonometry (3 semester hours) in addition to Precalculus Algebra. Completion of Precalculus Algebra and Trigonometry (4 semester hours) will satisfy both the Area III mathematics requirement and the Area V requirement for Trigonometry. If 4 semester hour PreCalculus has been taken, additional general electives may be required.

   **TOTAL MAJOR PREREQUISITE HOURS:** .............................................. 22-23 SEMESTER HOURS

   **TOTAL GEN. ED. REQ. & MAJOR PREREQUISITE HOURS:** ............... 63-64 SEMESTER HOURS
4. **PROFESSIONAL COURSES:**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Semester Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>MA 308</td>
<td>Discrete Mathematics</td>
<td>3</td>
</tr>
<tr>
<td>MA 331</td>
<td>Applied Probability and Statistics</td>
<td>3</td>
</tr>
<tr>
<td>CIS 440</td>
<td>Database Systems</td>
<td>3</td>
</tr>
<tr>
<td>CN 301</td>
<td>Networking Fundamentals</td>
<td>2</td>
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<tr>
<td>CN 302</td>
<td>Local Area Networks</td>
<td>2</td>
</tr>
<tr>
<td>CS 309</td>
<td>Introduction to Digital Logic Design</td>
<td>3</td>
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<tr>
<td>CS 309L</td>
<td>Digital Design Lab</td>
<td>1</td>
</tr>
<tr>
<td>CS 317</td>
<td>Computer Science I</td>
<td>3</td>
</tr>
<tr>
<td>CS 318</td>
<td>Computer Science II</td>
<td>3</td>
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<tr>
<td>CS 340</td>
<td>Introduction to Assembly Language</td>
<td>3</td>
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<tr>
<td>CS 372</td>
<td>Data Structures</td>
<td>3</td>
</tr>
<tr>
<td>CS 414</td>
<td>Programming Languages</td>
<td>3</td>
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<td>CS 415</td>
<td>Operating Systems</td>
<td>3</td>
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<tr>
<td>CS 417</td>
<td>Topics in Object Oriented Programming</td>
<td>3</td>
</tr>
<tr>
<td>CS 451</td>
<td>Software Engineering</td>
<td>3</td>
</tr>
<tr>
<td>CS 452</td>
<td>Senior Software Engineering Project</td>
<td>3</td>
</tr>
<tr>
<td>CS 452L</td>
<td>Senior Software Engineering Project Lab</td>
<td>1</td>
</tr>
<tr>
<td>CS 472</td>
<td>Algorithm Analysis</td>
<td>3</td>
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<td></td>
<td>Upper Level 300/400 Computer Science Electives*</td>
<td>6</td>
</tr>
<tr>
<td></td>
<td>Upper Level 300/400 Computer Science and Mathematics Electives**</td>
<td>6</td>
</tr>
</tbody>
</table>

*Any Computer Science (CS), Computer Information Systems (CIS), or Computer Networking (CN) course to be used as an upper level Computer Science elective must have prior approval of the student’s Faculty Advisor.

**Any Computer Science (CS), Computer Information Systems (CIS), or Computer Networking (CN), or Mathematics (MA) courses (MA 316 Vector Analysis or above) to be used as an upper level Computer Science and Mathematics elective must have prior approval of the student’s Faculty Advisor.

**TOTAL PROFESSIONAL HOURS** ................................................................. 60 SEMESTER HOURS

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

6. A minor is not required.

7. **GENERAL ELECTIVES** .............................................................................. 1-4 Semester Hours

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

9. **Pre-assessment and Exit Examinations:** The Department of Computer Science requires all CS majors to complete an exit examination to graduate; however, the result of this examination is not a criterion for graduation.

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

- Computer Information Systems
- Computer Networking

Course requirements for these minors can be found at the end of the College of Arts and Sciences section of the catalog.
Bachelor of Science - Computer Science Major  
(Computer Information Systems Option)  
MAJOR CODE: 11.0101B

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

1. **APPLICABLE GENERAL UNIVERSITY REQUIREMENTS.**

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

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

2. **GENERAL EDUCATION REQUIREMENTS:**

   - **Area I. Written Composition** .............................................................. 6 semester hours ___ ___
   - **Area II. Humanities/Fine Arts (12 semester hours)**
     - At least one fine arts course ......................................................... 3 semester hours ___
     - At least one literature course ....................................................... 3 semester hours ___
     - Other Humanities/Fine Arts courses ................................................ 6 semester hours ___ ___
   - **Area III. Mathematics and Natural Sciences (11 semester hours)**
     - Precalculus Algebra or higher ....................................................... 3 semester hours ___
     - Natural Sciences (lab based) ............................................................. 8 semester hours ___ ___
   - **Area IV. History/Behavioral and Social Sciences (12 semester hours)**
     - At least one history course ............................................................. 3 semester hours ___
     - Economics (ECO 231 Principles of Economics) required .................. 3 semester hours ___
     - Other History/Behavioral or Social Science courses ....................... 6 semester hours ___ ___

   **TOTAL GENERAL EDUCATION REQUIREMENTS: ........................................ 41 SEMESTER HOURS**

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

   - Business Calculus ................................................................................. 3 semester hours ___
   - Principles of Accounting ..................................................................... 3 semester hours ___
   - Statistical Methods of Business I ......................................................... 3 semester hours ___
   - Microcomputer Applications .................................................................. 3 semester hours ___
   - Web Programming or Web Development course ..................................... 3 semester hours ___
   - Computer Programming Courses (any language) .................................... 6 semester hours ___ ___
   - HU 321 Research Sources and Skills or its equivalent .......................... 1 semester hour
   - General Electives .................................................................................. 0-1 semester hour ___

   **TOTAL MAJOR PREREQUISITE HOURS: .................................................. 22-23 SEMESTER HOURS**

   **TOTAL GEN. ED. REQ. & MAJOR PREREQUISITE HOURS: .................. 63-64 SEMESTER HOURS**
4. PROFESSIONAL COURSES:
CIS 325 The Digital Enterprise ................................................................. 3 semester hours ___
CIS 365 Visual Application Development .............................................. 3 semester hours ___
CIS 440 Database Systems ................................................................. 3 semester hours ___
CIS 450 Human-Computer Interaction .................................................. 3 semester hours ___
CS 309 Digital Logic Design .............................................................. 3 semester hours ___
CS 309L Digital Logic Design Lab ..................................................... 1 semester hour ___
CS 317 Computer Science I .................................................................. 3 semester hours ___
CS 318 Computer Science II ............................................................... 3 semester hours ___
CS 372 Data Structures ................................................................. 3 semester hours ___
CS 451 Software Engineering ............................................................ 3 semester hours ___
CS 452 Senior Software Engineering Project .................................... 3 semester hours ___
CS 452L Senior Software Engineering Project Lab ................................ 1 semester hour ___
MA 308 Discrete Mathematics ......................................................... 3 semester hours ___
MG 346 Principles of Management and Leadership ......................... 3 semester hours ___
MG 350 Financial Management .......................................................... 3 semester hours ___
MG 353 Project Management ............................................................. 3 semester hours ___
MK 331 Marketing Principles ............................................................. 3 semester hours ___
Upper Level Computer Science Electives* ........................................ 6 semester hours ___

*Any Computer Science (CS), Computer Information Systems (CIS), or Computer Networking (CN) course to be used as an upper level Computer Science elective must have prior approval of the student’s Faculty Advisor.

TOTAL PROFESSIONAL HOURS ........................................ 53 SEMESTER HOURS

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

6. A minor is not required.

7. GENERAL ELECTIVES ................................................................. 8-11 Semester Hours ___ ___

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

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

1. **APPLICABLE GENERAL UNIVERSITY REQUIREMENTS.**

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

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

2. **GENERAL EDUCATION REQUIREMENTS:**

   **Area I. Written Composition .................................................................**
   
   6 semester hours __ __

   **Area II. Humanities/Fine Arts (12 semester hours)**
   - At least one fine arts course ................................................................. 3 semester hours __
   - At least one literature course ............................................................... 3 semester hours __
   - Other Humanities/Fine Arts courses .................................................... 6 semester hours __

   **Area III. Mathematics and Natural Sciences (11 semester hours)**
   - Precalculus Algebra or higher ............................................................... 3 semester hours __
   - Natural Sciences (lab based) ................................................................. 8 semester hours __

   **Area IV. History/Behavioral and Social Sciences (12 semester hours)**
   - At least one history course ................................................................. 3 semester hours __
   - Other History/Behavioral or Social Science courses ............................ 9 semester hours __ __ __

   **TOTAL GENERAL EDUCATION REQUIREMENTS ......................... 41 SEMESTER HOURS**

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

   **Calculus I or Business Calculus ..........................................................**
   
   3-4 semester hours __

   **Principles of Accounting .................................................................**
   
   3 semester hours __

   **Statistical Methods of Business I .......................................................**
   
   3 semester hours __

   **Computer Programming courses (any language) .............................**
   
   6 semester hours __

   **Microcomputer Applications .............................................................**
   
   3 semester hours __

   **HU 321 Research Sources and Skills or its equivalent .....................**
   
   1 semester hour __

   **General Electives .............................................................................**
   
   0-3 semester hours __

   **TOTAL MAJOR PREREQUISITE HOURS: ........................................... 19-23 SEMESTER HOURS**

   **TOTAL GEN. ED. REQ. & MAJOR PREREQUISITE HOURS: ............... 60-64 SEMESTER HOURS**
4. **PROFESSIONAL COURSES:**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Semester Hours</th>
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</thead>
<tbody>
<tr>
<td>CN 301</td>
<td>Network Fundamentals</td>
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<tr>
<td>CN 302</td>
<td>Local Area Networks</td>
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<td>CN 303</td>
<td>Wide Area Networks</td>
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<td>CN 304</td>
<td>Network Architectures</td>
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<tr>
<td>CN 401</td>
<td>Internetworking Devices</td>
<td>2</td>
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<tr>
<td>CN 402</td>
<td>The Internet</td>
<td>2</td>
</tr>
<tr>
<td>CN 403</td>
<td>Network Processes and Protocols</td>
<td>2</td>
</tr>
<tr>
<td>CN 404</td>
<td>Enterprise Network Design</td>
<td>2</td>
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<tr>
<td>CS 309</td>
<td>Introduction to Digital Logic Design</td>
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</tr>
<tr>
<td>CS 309L</td>
<td>Introduction to Digital Logic Design Lab</td>
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<td>CS 317</td>
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<td>Computer Organization and Architecture</td>
<td>3</td>
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<td>CS 415</td>
<td>Operating Systems</td>
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<tr>
<td>CS 451</td>
<td>Software Engineering</td>
<td>3</td>
</tr>
<tr>
<td>CS 452/CS 452L</td>
<td>Senior Software Engineering Project</td>
<td>4</td>
</tr>
<tr>
<td>MA 308</td>
<td>Discrete Mathematics</td>
<td>3</td>
</tr>
<tr>
<td>Upper Level 300/400 Computer Science Elective*</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>Upper Level 300/400 Computer Science or Mathematics Elective**</td>
<td></td>
<td>3</td>
</tr>
</tbody>
</table>

*Any Computer Science (CS), Computer Information Systems (CIS), or Computer Networking (CN) course to be used as an upper level Computer Science elective must have prior approval of the student’s Faculty Advisor.

**Any Computer Science (CS), Computer Information Systems (CIS), Computer Networking (CN), or Mathematics (MA) course (MA 316 Vector Analysis or above) to be used as an upper level Computer Science or Mathematics elective must have prior approval of the student’s Faculty Advisor.

**TOTAL PROFESSIONAL HOURS:** ................................................................. 54 SEMESTER HOURS

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

6. A minor is not required.

7. **GENERAL ELECTIVES** ........................................................................... 10 SEMESTER HOURS

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

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

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

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

Bachelor of Arts - English Major
MAJOR CODE: 23.0101

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

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

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

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

   TOTAL GENERAL EDUCATION REQUIREMENTS ......................................... 41 SEMESTER HOURS

3. MAJOR PREREQUISITE COURSES (PRE-PROFESSIONAL):
   - CIS 146 Microcomputer Applications or
   - CIS 301 Problem Solving with Computers ................................................ 3 semester hours ___
   - HU 321 Research Sources and Skills or its equivalent .............................. 1 semester hour ___
   - General Electives .................................................................................. 15 semester hours ___ ___ ___

   TOTAL MAJOR PREREQUISITE COURSES ................................................... 19 SEMESTER HOURS

   TOTAL GEN. ED. REQ. & MAJOR PREREQUISITE HOURS: .................. 60 SEMESTER HOURS
4. Professional Courses:
   EH 312 Dramatic Literature ................................................................. 3 semester hours
   EH 325 Myth: Ritual and Culture ............................................................. 3 semester hours
   EH 330 Literary and Critical Theory ......................................................... 3 semester hours
   EH 414 History of the English Language .................................................... 3 semester hours
   EH 431 Poetry and Poetics ......................................................................... 3 semester hours
   EH 425 Shakespeare: The Sonnets and the Plays ............................................. 3 semester hours
   EH 433 Fiction ............................................................................................ 3 semester hours
   EH 452 Chaucer and Medieval Literature ...................................................... 3 semester hours
   EH 469 English Capstone Seminar (must be taken during semester in which
   student graduates) ................................................................................. 1 semester hour
   Electives in English ..................................................................................... 15 semester hours

Choose from the following courses:
   EH 304 Southern Literature
   EH 307 Major Authors I
   EH 308 Major Authors II
   EH 314 Nineteenth Century British Studies
   EH 316 American Masterpieces
   EH 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

TOTAL PROFESSIONAL HOURS: ............................................................. 40 SEMESTER HOURS

5. A minor is required. .............................................................................. 18 Semester Hours

6. All B.A. English majors must take an exit exam, which will be administered in EH 469 English Capstone Seminar.

7. General Electives .................................................................................... 6 Semester Hours

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

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

   Course requirements for these minors can be found at the end of the College of Arts and Sciences section of the catalog.
Bachelor of Arts - English Major
(Licensure and Certification Track for Teaching in Secondary Education) (Grades 6-12)
MAJOR CODE: 23.0101

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

NOTE: To receive certification in grades 6-12, the students MUST:
1) complete the below listed requirements to include the minor for certification and licensure;
2) maintain a grade point average of at least a 2.5 on a 4.0 scale in the teaching field and overall education. A 2.75 is required in the professional studies. This is a requirement for student teaching and for graduation;
3) repeat courses in which D’s and F’s are made and realize that all attempts are calculated in the GPA;
4) understand that underlined courses in the minor require admission into the Teacher Education Program (TEP); and
5) complete the 18 semester hours in Literature sequences as required by the degree before being admitted to the Teacher Education Program.

1. APPLICABLE GENERAL UNIVERSITY REQUIREMENTS:

To graduate, each student must:

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

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

2. GENERAL EDUCATION REQUIREMENTS:

Area I. Written Composition ............................................................... 6 semester hours ___ ___

Area II. Humanities and Fine Arts (12 semester hours) .........................
ENG 261 English Literature I ................................................................. 3 semester hours ___
ENG 262 English Literature II .............................................................. 3 semester hours ___
SPH 106 Fundamentals of Speech Communication or
SPH 107 Fundamentals of Public Speaking ........................................... 3 semester hours ___
THR 120 Theatre Appreciation or
THR 126 Introduction to Theatre ......................................................... 3 semester hours ___

Area III. Natural Sciences and Mathematics (11 semester hours)
Finite Math or its equivalent required ................................................. 3 semester hours ___
Natural Sciences (lab based required) .................................................. 8 semester hours ___ ___

Area IV. History, Social and Behavioral Sciences (12 semester hours)
General Psychology ................................................................. 3 semester hours ___
Social and Behavioral Sciences ...................................................... 6 semester hours ___ ___
History ................................................................. 3 semester hours ___

TOTAL GENERAL EDUCATION REQUIREMENTS: .............................. 41 SEMESTER HOURS

3. MAJOR PREREQUISITE COURSES (PRE-PROFESSIONAL):

ENG 251 American Literature I .......................................................... 3 semester hours ___
ENG 252 American Literature II .......................................................... 3 semester hours ___
ENG 271 World Literature I ................................................................. 3 semester hours ___
ENG 272 World Literature II ............................................................... 3 semester hours ___
General Electives ............................................................................... 9 semester hours ___ ___ ___

TOTAL MAJOR PREREQUISITE HOURS:.............................................. 21 SEMESTER HOURS

TOTAL GEN. ED. REQ. AND MAJOR PREREQUISITE HOURS: .............. 62 SEMESTER HOURS
4. PROFESSIONAL COURSES:
EH 303 Journalism ............................................................. 3 semester hours 
EH 311 Drama Production ..................................................... 3 semester hours 
EH 312 Dramatic Literature ..................................................... 3 semester hours 
EH 320 Grammar for Teachers .................................................. 3 semester hours 
EH 325 Myth: Ritual and Culture or EH 454 Young Adult Literature ........ 3 semester hours 
EH 401 Speech: Conflict Management ....................................... 3 semester hours 
EH 414 History of the English Language ...................................... 3 semester hours 
EH 425 Shakespeare ................................................................ 3 semester hours 
EH 433 Fiction or EH 316 American Masterpieces ....................... 3 semester hours 
EH 452 Chaucer and Medieval Literature .................................... 3 semester hours 

TOTAL PROFESSIONAL HOURS: ........................................ 33 SEMESTER HOURS

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

TOTAL REQ. FOR LICENSURE/CERTIFICATION: ...................... 36 SEMESTER HOURS
TOTAL HOURS FOR GRADUATION ....................................... 131 SEMESTER HOURS

6. Courses underlined require admission to the Teacher Education Program (TEP) and may not be transferred from another university.

7. Each student will be required to produce course syllabi and/or course descriptions for courses they may wish to transfer towards their Professional Courses requirements. This is an Alabama State Department of Education requirement. The Alabama State Department ultimately decides whether or not a course will count as transfer credit after the syllabi are evaluated.
HEALTH SCIENCE (HS)

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

Bachelor of Science - Health Science Major
MAJOR CODE: 51.9999

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

1. **APPLICABLE GENERAL UNIVERSITY REQUIREMENTS:**

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

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

2. **GENERAL EDUCATION REQUIREMENTS:**

   **Area I. Written Composition** ................................................................. 6 semester hours ___ ___

   **Area II. Humanities/Fine Arts (12 semester hours)**
   - At least one fine arts course .............................................................. 3 semester hours ___
   - At least one literature course ............................................................ 3 semester hours ___
   - Other Humanities/Fine Arts courses ................................................ 6 semester hours ___ ___

   **Area III. Mathematics and Natural Sciences (11 semester hours)**
   - Precalculus Algebra or higher ......................................................... 3 semester hours ___
   - Natural Sciences (lab based) required .............................................. 8 semester hours ___ ___

   **Area IV. History/Behavioral and Social Sciences (12 semester hours)**
   - At least one history course ............................................................... 3 semester hours ___
   - Other History/Behavioral or Social Science courses ......................... 9 semester hours ___ ___ ___

   **TOTAL GENERAL EDUCATION REQUIREMENTS** .......................... 41 SEMESTER HOURS

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

   - CIS 146 Microcomputer Applications or
   - CIS 301 Problem Solving With Computers ........................................ 3 semester hours ___
   - Biology, Chemistry, and/or Physics ............................................... 16 semester hours ___ ___ ___
   - HU 321 Research Sources and Skills or its equivalent .................... 1 semester hour ___
   - General Electives ............................................................................ 3 semester hours ___ ___

   **TOTAL MAJOR PREREQUISITE HOURS:** ........................................ 23 SEMESTER HOURS

   **TOTAL GEN. ED. REQ. & MAJOR PREREQUISITE HOURS:** .............. 64 SEMESTER HOURS
4. **PROFESSIONAL COURSES:**

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

   HCM340 Introduction to Health Care Systems ............................................................. 3 semester hours ___
   HCM345 Management of Health Care Organizations .................................................. 3 semester hours ___
   HCM355 Survey of Issues in Health Care Management ............................................. 3 semester hours ___
   HPE 320 Nutrition ..................................................................................................... 4 semester hours ___
   HS 320 Biomedical Ethics ......................................................................................... 3 semester hours ___
   HS 400 Public Safety and Health Education .............................................................. 3 semester hours ___
   HS 447 Public Health Concepts and Systems ............................................................ 3 semester hours ___
   HS 450 Introduction to Epidemiology ......................................................................... 3 semester hours ___
   HS 451 Environmental Health and Safety Systems .................................................... 3 semester hours ___
   PO 355 Health Policy in the United States ................................................................. 3 semester hours ___
   PSHA401 Measurement and Evaluation .................................................................... 3 semester hours ___
   PSHA465 Senior Research Project ............................................................................. 4 semester hours ___

   **TOTAL PROFESSIONAL HOURS: ................................................................. 38 SEMESTER HOURS**

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

6. **GENERAL ELECTIVES ................................................................. 26 Semester Hours**

7. **TOTAL HOURS FOR GRADUATION ........................................................ 128 SEMESTER HOURS**
HEALTH AND WELLNESS MANAGEMENT (HWM)

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

**Bachelor of Science - Health and Wellness Management Major**  
**MAJOR CODE: 31.0504**

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

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

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

2. **GENERAL EDUCATION REQUIREMENTS:**
   
   **Area I. Written Composition** ................................................................. 6 semester hours ___ ____

   **Area II. Humanities and Fine Arts** (12 semester hours)
   - At least one fine arts course ................................................................. 3 semester hours ___
   - At least one literature course ................................................................. 3 semester hours ___
   - Other Humanities/Fine Arts courses ...................................................... 6 semester hours ___ ___

   **Area III. Natural Sciences and Mathematics** (11 semester hours)
   - Finite Math or higher ........................................................................... 3 semester hours ___
   - Natural sciences (lab based required) ...................................................... 8 semester hours ___ ___

   **Area IV. History, Social and Behavioral Sciences** (12 semester hours)
   - At least one history course ................................................................. 3 semester hours ___
   - Other History/Behavioral or Social Science courses ................................ 9 semester hours ___ ___ ___

   TOTAL GENERAL EDUCATION REQUIREMENTS ........................................ 41 SEMESTER HOURS

3. **MAJOR PREREQUISITE COURSES (PRE-PROFESSIONAL):**
   
   Foundations of Physical Education or  
   HPE 326 History and Principles of Physical Education ............................... 3 semester hours ___
   Personal or Community Health .................................................................. 3 semester hours ___
   Safety & First Aid or HPE 323 Aquatics and Advanced Lifesaving .............. 3 semester hours ___
   Anatomy and Physiology ......................................................................... 4 semester hours ___
   CIS 146 Microcomputer Applications or  
   CIS 301 Problem Solving with Computers .................................................. 3 semester hours ___
   Treatment of Athletic Injuries or  
   HPE 333 Care and Prevention of Athletic Injuries ....................................... 3 semester hours ___
   HU 321 Research Sources and Skills or its equivalent ............................... 1 semester hour ___
   General Electives ..................................................................................... 3 semester hours ___

   TOTAL MAJOR PREREQUISITE COURSES: .............................................. 23 SEMESTER HOURS

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

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

TOTAL PROFESSIONAL HOURS: ....................................................... 38 SEMESTER HOURS

5. GENERAL ELECTIVES............................................................................. 26 Semester Hours ___ ___ ___ ___

6. TOTAL HOURS FOR GRADUATION: .................................................. 128 SEMESTER HOURS
HISTORY (HY)

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

**Bachelor of Arts - History Major**

**MAJOR CODE:** 54.0101

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

1. **APPLICABLE GENERAL UNIVERSITY REQUIREMENTS:**

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

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

2. **GENERAL EDUCATION REQUIREMENTS:**

   **Area I. Written Composition** ................................................................. 6 semester hours ___ ___

   **Area II. Humanities/Fine Arts (12 semester hours)**
   - At least one fine arts course ................................................................. 3 semester hours ___
   - At least one literature course ............................................................... 3 semester hours ___
   - Other Humanities/Fine Arts courses .................................................. 6 semester hours ___ ___

   **Area III. Mathematics and Natural Sciences (11 semester hours)**
   - Finite Math or its equivalent required ............................................. 3 semester hours ___
   - Natural Sciences (lab based) required ............................................. 8 semester hours ___ ___

   **Area IV. History/Behavioral and Social Sciences (12 semester hours)**
   - At least one history course ............................................................... 3 semester hours ___
   - Other History/Behavioral or Social Science courses ....................... 9 semester hours ___ ___ ___

   **TOTAL GENERAL EDUCATION REQUIREMENTS** .................................. **41 SEMESTER HOURS**

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

   The history major should complete a 6 hour semester sequence in history (Western Civilization, World History, or United States History) in addition to satisfying the Area IV requirement.
   - (In addition to Area IV) ................................................................. 6 semester hours ___ ___
   - Electives in History ................................................................. 6 semester hours ___ ___
   - HU 321 Research Sources and Skills or its equivalent .................. 1 semester hour ___
   - CIS 146 Microcomputer Applications or CIS 301 Problem Solving with Computers 3 semester hours ___
   - Free Electives ........................................................................... 7 semester hours ___ ___ ___

   **TOTAL MAJOR PREREQUISITE HOURS:** ........................................... **23 SEMESTER HOURS**

   **TOTAL GEN. ED. REQ. & MAJOR PREREQUISITE HOURS:** ............... **64 SEMESTER HOURS**
4. **PROFESSIONAL COURSES:**

300 and 400 level courses:

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

**TOTAL PROFESSIONAL HOURS:** ...................................... **33 SEMESTER HOURS**

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

6. A minor is required. ............................................................... **18 SEMESTER HOURS**

7. **GENERAL ELECTIVES** ..................................................... **12 SEMESTER HOURS**

8. **TOTAL HOURS FOR GRADUATION** .................................... **127 SEMESTER HOURS**

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

- History

Course requirements for this minor can be found at the end of the College of Arts and Sciences section of the catalog.
Bachelor of Arts - History Major  
(Licensure and Certification Track for Teaching in Secondary Education) (Grades 6-12)  
MAJOR CODE: 54.0101  

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

**NOTE:** To receive certification in grades 6-12, the students MUST:  
1) complete the below listed requirements to include the minor for certification and licensure;  
2) maintain a grade point average of at least a 2.5 on a 4.0 scale in the teaching field and overall education. A 2.75 is required in the professional studies. This is a requirement for student teaching and for graduation.  
3) repeat courses in which D’s and F’s are made and realize that all attempts are calculated in the GPA.  
4) understand that underlined courses in the minor require admission into the Teacher Education Program (TEP); and  
5) complete the 12 semester hours in History sequence as required by the degree before being admitted to the Teacher Education Program.

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

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

2. **GENERAL EDUCATION REQUIREMENTS:**
   
   **Area I. Written Composition** ................................................................. 6 semester hours ___  ___
   
   **Area II. Humanities and Fine Arts** (12 semester hours)  
   The Arts ........................................................................................................ 3 semester hours ___
   Speech (SPH 106 or SPH 107) ................................................................. 3 semester hours ___
   Humanities/Fine Arts Elective ................................................................. 3 semester hours ___
   Literature .................................................................................................... 3 semester hours ___

   **Area III. Natural Sciences and Mathematics** (11 semester hours)  
   Finite Math or higher ................................................................................ 3 semester hours ___
   Natural Sciences (lab based required) ...................................................... 8 semester hours ___  ___

   **Area IV. History, Social and Behavioral Sciences** (12 semester hours)  
   U.S History I and II .................................................................................. 6 semester hours ___
   General Psychology .................................................................................. 3 semester hours ___
   Behavioral Science or Social Science Elective ........................................ 3 semester hours ___

   **TOTAL GENERAL EDUCATION REQUIREMENTS:** .................................... 41 SEMESTER HOURS

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

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

   **TOTAL MAJOR PREREQUISITE COURSE HOURS:** .................................. 21 SEMESTER HOURS

   **TOTAL GEN. ED. REQ. AND MAJOR PREREQUISITE HOURS:** ............. 62 SEMESTER HOURS
4. **PROFESSIONAL COURSES**

   American History ............................................................................................................ 12 semester hours ___ ___ ___ ___

   European History ............................................................................................................ 12 semester hours ___ ___ ___ ___

   Non-Western History (Neither American nor European) .................................................. 6 semester hours ___ ___

   HY 451 Senior History Seminar ........................................................................................ 3 semester hours ___

   **TOTAL PROFESSIONAL HOURS:** ........................................................................... 33 SEMESTER HOURS

5. **COURSES FOR CERTIFICATION:**

   ED 301 Foundations of Education I .................................................................................. 3 semester hours ___

   ED 302 Foundations of Education II ............................................................................... 3 semester hours ___

   ED 305 Technology & Media in Education ...................................................................... 3 semester hours ___

   SC 331 Classroom Management in Secondary Education ............................................. 3 semester hours ___

   SC 333 Teaching Reading/Writing in the Content Areas ................................................... 3 semester hours ___

   SC 362 Assessment and Evaluation in Secondary Education ......................................... 3 semester hours ___

   SE 301 Introduction to Exceptional Learners ................................................................. 3 semester hours ___

   PS 334 Adolescent Psychology ........................................................................................ 3 semester hours ___

   HY 302 Alabama History .................................................................................................. 3 semester hours ___

   HY 450 Materials and Methods of Teaching History and Social Sciences in Middle School/High School ............................................................................................................ 3 semester hours ___

   SC 486 Internship in High School Education ................................................................... 9 semester hours ___ ___ ___

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

   **TOTAL HOURS FOR GRADUATION:** ................................................................. 134 SEMESTER HOURS

6. Courses underlined require admission to the Teacher Education Program (TEP) and may not be transferred from another university.

7. Each student will be required to produce course syllabi and/or course descriptions for courses they wish to transfer towards their Professional Courses requirements. 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 transfer credit after the syllabi are evaluated.
JUSTICE STUDIES (JS)

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

Bachelor of Science - Justice Studies Major
MAJOR CODE: 43.0104

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

1. **APPLICABLE GENERAL UNIVERSITY REQUIREMENTS:**

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

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

2. **GENERAL EDUCATION REQUIREMENTS:**

   **Area I. Written Composition ................................................................. 6 semester hours ___ ___**

   **Area II. Humanities/Fine Arts (12 semester hours)**
   - At least one fine arts course ................................................................. 3 semester hours ___
   - At least one literature course ................................................................. 3 semester hours ___
   - Additional courses in Humanities/Fine Arts ......................................... 6 semester hours ___ ___

   **Area III. Mathematics and Natural Sciences (11 semester hours)**
   - Finite Math or its equivalent required .................................................. 3 semester hours ___
   - Natural Sciences (lab based) required .................................................. 8 semester hours ___ ___

   **Area IV. History/Behavioral and Social Sciences (12 semester hours)**
   - At least one history course ................................................................. 3 semester hours ___
   - Additional courses in History/Behavioral and Social Sciences ............... 9 semester hours ___ ___ ___

   **TOTAL GENERAL EDUCATION REQUIREMENTS ......................................... 41 SEMESTER HOURS**

3. **MAJOR PREREQUISITE COURSES (PREPROFESSIONAL):**

   **Introduction to Criminal Justice ......................................................... 3 semester hours ___
   **Law Enforcement or Policing or Corrections or Security .......................... 3 semester hours ___
   **CIS 146 Microcomputer Applications or CIS 301 Problem Solving with Computers ......................................................... 3 semester hours ___
   **HU 321 Research Sources and Skills or its equivalent .......................... 1 semester hour ___
   **General Electives .................................................................................. 13 semester hours ___ ___ ___ ___**

   **TOTAL MAJOR PREREQUISITE HOURS: .................................................. 23 SEMESTER HOURS**

   **TOTAL GEN. ED. REQ. & MAJOR PREREQUISITE HOURS: .................. 64 SEMESTER HOURS**
4. PROFESSIONAL COURSES:

<table>
<thead>
<tr>
<th>Course</th>
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</thead>
<tbody>
<tr>
<td>JS 301 Criminal Justice Process</td>
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</tr>
<tr>
<td>JS/PO 302 Criminal Law</td>
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<tr>
<td>JS 400 Law Enforcement in America</td>
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<tr>
<td>JS/SO 401 Adult Corrections</td>
<td>3</td>
</tr>
<tr>
<td>JS/SO 452 Advanced Criminology</td>
<td>3</td>
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<tr>
<td>PO 303 Comparative State and Local Government</td>
<td>3</td>
</tr>
<tr>
<td>PO/PS/SO 342 Methods of Behavioral Science Research or PSHA 401 Measurement and Evaluation</td>
<td>3</td>
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<tr>
<td>MG/PSHA/PO 377 Public Administration</td>
<td>3</td>
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<tr>
<td>JS/PO/PSHA 455 Public Administration Ethics</td>
<td>3</td>
</tr>
<tr>
<td>JS 465 Senior Research Project</td>
<td>4</td>
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<tr>
<td>Justice Studies Electives</td>
<td>6</td>
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</tbody>
</table>

TOTAL PROFESSIONAL HOURS: 37 SEMESTER HOURS

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

6. A minor is not required.

7. GENERAL ELECTIVES: 27 Semester Hours

TOTAL HOURS FOR GRADUATION: 128 SEMESTER HOURS

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

- Justice Studies.

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

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

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

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

Bachelor of Science - Liberal Studies Major
MAJOR CODE: 24.0101

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

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

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

2. GENERAL EDUCATION REQUIREMENTS:
   Area I. Written Composition ................................................................. 6 semester hours

   Area II. Humanities/Fine Arts (12 semester hours)
   At least one fine arts course .............................................................. 3 semester hours
   At least one literature course ......................................................... 3 semester hours
   Fine Arts/Humanities/Literature electives ...................................... 6 semester hours

   Area III. Mathematics and Natural Sciences (11 semester hours)
   Finite Math or its equivalent required ............................................ 3 semester hours
   Natural Sciences (lab based) required ............................................. 8 semester hours

   Area IV. History/Behavioral and Social Sciences (12 semester hours)
   At least one history course ............................................................ 3 semester hours
   Additional History/Behavioral and Social Science courses ............ 9 semester hours

   TOTAL GENERAL EDUCATION REQUIREMENTS .................................. 41 SEMESTER HOURS
3. **PRE-PROFESSIONAL AND ELECTIVE COURSES:**

CIS 146 Microcomputer Applications or
   CIS 301 Problem Solving with Computers .......................................................... 3 semester hours ___
HU 321 Research Sources and Skills or its equivalent ........................................... 1 semester hour ___
General Electives ........................................................................................................ 19 semester hours

TOTAL PRE-PROFESSIONAL HOURS ................................................................. 23 SEMESTER HOURS
TOTAL GEN. ED. REQ. & PRE-PROFESSIONAL HOURS ............................. 64 SEMESTER HOURS

4. **PROFESSIONAL COURSES:**

General electives at the 300 and 400 level ............................................................... 60 semester hours*

*To include HU 450 Liberal Studies Capstone Seminar. ........................................... ___

Any new student enrolled as of Fall Semester, 2007 who has not successfully completed a capstone course prior to Spring Semester, 2010, **must** successfully complete HU 450 Liberal Studies Capstone Seminar.

New students enrolled prior to Fall Semester 2007 are not required to take any capstone course, but are encouraged to do so.

TOTAL HOURS FOR GRADUATION ................................................................. 124 SEMESTER HOURS
MATHEMATICS (MA)

The bachelors degree in Mathematics prepares students for careers in government, business, and industry or for pursuing graduate studies. The program offers two tracks. Track I is designed to more appropriately prepare students for employment in business and industry. Track II prepares the student to teach mathematics at the secondary school level. Either track will qualify students to pursue graduate studies and assists students to meet the goal of becoming highly qualified in mathematics for certification.

**Bachelor of Science - Mathematics Major (Track I)**

**MAJOR CODE: 27.0101**

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

1. **APPLICABLE GENERAL UNIVERSITY REQUIREMENTS:**

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

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

2. **GENERAL EDUCATION REQUIREMENTS:**

   **Area I. Written Composition** ................................................................. 6 semester hours ___ ___

   **Area II. Humanities/Fine Arts (12 semester hours)**
   - At least one fine arts course ............................................................... 3 semester hours ___
   - At least one literature course ......................................................... 3 semester hours ___
   - Additional Humanities/Fine Arts courses ............................................. 6 semester hours ___ ___

   **Area III. Mathematics and Natural Sciences (11 semester hours)**
   - Precalculus Algebra ........................................................................... 3 semester hours ___
   - Natural Science (lab-based) required ................................................... 8 semester hours ___
   - Calculus-based Physics I and II recommended

   **Area IV. History/Behavioral and Social Sciences (12 semester hours)**
   - At least one history course ................................................................. 3 semester hours ___
   - Additional History/Behavioral and Social Science Courses......................... 9 semester hours ___ ___ ___

   **TOTAL GENERAL EDUCATION REQUIREMENTS** .................................. 41 SEMESTER HOURS

3. **MAJOR PREREQUISITE COURSES (PREPROFESSIONAL):**

   Students planning to major in mathematics at Athens State University are required to complete the following courses:
   - CIS 146 Microcomputer Application or
   - CIS 301 Problem Solving With Computers ............................................. 3 semester hours ___
   - Precalculus Trigonometry ..................................................................... 3 semester hours ___
   - Calculus Sequence ............................................................................... 12 semester hours ___ ___ ___
   - HU 321 Research Sources and Skills or its equivalent .............................. 1 semester hour ___

   **TOTAL MAJOR PREREQUISITE HOURS:** .................................................. 19 SEMESTER HOURS

   **TOTAL GEN. ED. REQ. & MAJOR PREREQUISITE HOURS:** ................. 60 SEMESTER HOURS
4. **PROFESSIONAL COURSES:**

- CS 317 Computer Science I** or its equivalent .................................................. 3 semester hours 
- MA 308 Discrete Mathematics .......................................................................... 3 semester hours 
- MA 310 Matrices and Linear Algebra or its equivalent .................................. 3 semester hours 
- MA 320 Introduction to Abstract Algebra ..................................................... 3 semester hours 
- MA 321 Differential Equations .................................................................... 3 semester hours 
- MA 330 Advanced Mathematical Software .................................................. 3 semester hours 
- MA 431 Introduction to Mathematical Statistics or MA 331 Applied Probability and Statistics .......................................................... 3 semester hours 
- MA 470 Senior Mathematics Seminar* ....................................................... 3 semester hours 

**Plus THREE (3) mathematics electives from the following:** ....................... 9 semester hours 

- MA 314 College Geometry (take as a General Elective if you are an Alternative B certification student) 
- MA 316 Vector Analysis 
- MA 331 Applied Probability and Statistics **** 
- MA 401 Complex Variables*** 
- MA 423 Numerical Analysis 
- MA 428 Partial Differential Equations 
- MA 431 Introduction to Mathematical Statistics **** 
- MA 445 Mathematical Modeling and Simulation 
- MA 450 Advanced Calculus I 
- MA 451 Advanced Calculus II 
- MA 452 Introductory Real Analysis*** 
- MA 480 Special Topics in Mathematics 

Choose one two-semester sequence from the three options below .................. 6 semester hours 

- MA 401 Complex Variables and MA 452 Introductory Real Analysis or 
- MA 445 Math Modeling and Simulation and MA 423 Numerical Analysis 

**TOTAL PROFESSIONAL HOURS:** ............................................................. 33 SEMESTER HOURS 

* Exit Exam will be administered in this class. Either the Departmental Math Exit Exam OR PRAXIS II Mathematics Content Test 0061 MUST be taken to qualify for graduation. 
**If a programming course has not been taken, take CS 305 Introduction to Programming as a general elective before taking CS 317. 
***Recommended if planning to attend graduate school. 
****If one of these statistics courses has been taken to satisfy the professional core, then the other may be taken as an elective. 

5. The **Mathematics major** must complete a minimum of 12 semester hours of upper division 300/400 level mathematics coursework at Athens State University. To be used toward completing a Mathematics major at Athens State, any mathematics course transferred to Athens State must be a grade of C or higher. Mathematics majors must maintain a 2.5 G.P.A. in mathematics courses taken at Athens State University. 

6. A minimum 18 semester hour MINOR is required and must be approved by a Mathematics faculty advisor. ................................................................. 18-24 SEMESTER HOURS 

7. **GENERAL ELECTIVES (as needed)** ......................................................... 13 SEMESTER HOURS 

8. **TOTAL HOURS FOR GRADUATION** ....................................................... 124-130 SEMESTER HOURS 

9. **EXIT EXAM** 

   An exit exam is required for graduation. The Track I major may choose the PRAXIS II Mathematics Content exam as their exit exam or the departmental exit exam may be taken in the MA 470 course. It is the student’s responsibility to schedule the test, if the PRAXIS II exam is chosen, and to report the results to their advisor. 

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

   * **Mathematics.**

   Course requirements for this minor can be found at the end of the College of Arts and Sciences section of the catalog.
Bachelor of Science - Mathematics Major (Track 2)  
(Licensure and Certification Track for Teaching in Secondary Education) (Grades 6-12)  
MAJOR CODE: 27.0101

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

NOTE: To receive certification in grades 6-12, the students MUST:
1) complete the below listed requirements to include the minor for certification and licensure;
2) maintain a grade point average of at least a 2.5 on a 4.0 scale in the teaching field and overall education. A 2.75 is required in the professional studies. This is a requirement for student teaching and for graduation.
3) repeat courses in which D’s and F’s are made and realize that all attempts are calculated in the GPA.
4) understand that underlined courses in the minor require admission into the Teacher Education Program (TEP).

1. APPLICABLE GENERAL UNIVERSITY REQUIREMENTS:

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

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

2. GENERAL EDUCATION REQUIREMENTS:

   Area I. Written Composition ................................................................. 6 semester hours
   Area II. Humanities/Fine Arts (12 semester hours)
   - At least one fine arts course ................................................................. 3 semester hours
   - Literature* ............................................................................................. 3 semester hours
   - Speech (SPH 106 or SPH 107) .............................................................. 3 semester hours
   - Humanities/Fine Arts Elective ............................................................... 0 semester hours
   - Calculus-based Physics I and II recommended.
   Area III. Mathematics and Natural Sciences (11 semester hours)
   - Precalculus Algebra ................................................................. 3 semester hours
   - Natural Science (lab-based) required ...................................................... 8 semester hours
   Area IV. History/Behavioral and Social Sciences (12 semester hours)
   - History* ............................................................................................. 3 semester hours
   - General Psychology ............................................................................... 3 semester hours
   - History/Behavioral or Social Science Elective ....................................... 3 semester hours

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

   TOTAL GENERAL EDUCATION REQUIREMENTS .......................................................... 41 SEMESTER HOURS

3. MAJOR PREREQUISITE COURSES (PRE-PROFESSIONAL):

   CIS 146 Microcomputer Applications or
   CIS 301 Problem Solving with Computers* ................................................. 3 semester hours
   Precalculus Trigonometry ................................................................. 3 semester hours
   Calculus I, II, and III .................................................................................. 12 semester hours
   General Electives .......................................................................................... 1-5 semester hours

   TOTAL PRE-PROFESSIONAL HOURS ................................................................. 19-23 SEMESTER HOURS

   TOTAL GEN. ED. REQ. AND MAJOR PREREQUISITE HOURS: ........ 60-64 SEMESTER HOURS
4. **PROFESSIONAL COURSES:**

   - MA 308 Discrete Mathematics ................................................................. 3 semester hours
   - Linear Algebra (preferably MA 310 Matrices and Linear Algebra) ............. 3 semester hours
   - MA 314 College Geometry ........................................................................ 3 semester hours
   - MA 320 Introduction to Abstract Algebra .................................................. 3 semester hours
   - MA 330 Advanced Mathematical Software ................................................. 3 semester hours
   - MA 331 Applied Probability and Statistics ................................................ 3 semester hours
   - MA 470 Senior Mathematics Seminar ....................................................... 3 semester hours
   - Computer Programming (preferably *CS 317 Computer Science I) .......... 3 semester hours

   Plus THREE (3) Mathematics Electives from the following: ......................... 9 semester hours
   - MA 316 Vector Analysis
   - MA 401 Complex Variables **
   - MA 321 Differential Equations***
   - MA 423 Numerical Analysis
   - MA 428 Partial Differential Equations
   - MA 431 Introduction to Mathematical Statistics***
   - MA 445 Mathematical Modeling and Simulation
   - MA 450 Advanced Calculus I
   - MA 451 Advanced Calculus II
   - MA 452 Introductory Real Analysis**
   - MA 480 Special Topics in Mathematics

   *If a programming course has not been taken, CS 305, Introduction to Programming, is recommended as a general elective and a prerequisite to CS 317.
   **Recommended if planning to attend graduate school.
   ***If a curriculum change is made from Track II to Track I, all Track I requirements must be met.

   **TOTAL PROFESSIONAL HOURS ............................................................. 33 SEMESTER HOURS**

5. **COURSES FOR CERTIFICATION:**

   - ED 301 Foundations of Education I ......................................................... 3 semester hour
   - ED 302 Foundations of Education II .......................................................... 3 semester hours
   - ED 305 Technology & Media in Education .................................................. 3 semester hours
   - SC 331 Classroom Management in Secondary Education .......................... 3 semester hours
   - SC 333 Teaching Reading/Writing in the Content Areas ............................... 3 semester hours
   - SE 301 Introduction to Exceptional Learners ............................................. 3 semester hours
   - PS 334 Adolescent Psychology ..................................................................... 3 semester hours
   - SC 362 Assessment and Evaluation in Secondary Education ...................... 3 semester hours
   - MA454 Materials and Methods of Teaching Mathematics in Middle School/High School* .............................................................. 3 semester hours
   - SC 486 Internship in High School Education ............................................... 9 semester hours

   Courses underlined require admission to the Teacher Education Program (TEP).

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

   **TOTAL HOURS FOR GRADUATION ....................................................... 129-133 SEMESTER HOURS**

6. If a student, at any time, changes from Track II to Track I, the student must meet the mathematics requirements for Track I; thus be advised when choosing mathematics electives.

7. All coursework must be completed with a grade of C or higher.

8. Courses underlined require admission to the Teacher Education Program (TEP) and may not be transferred from another university.

9. Each student will be required to produce course syllabi and/or course descriptions for courses they wish to transfer towards their Professional Courses requirements. 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 transfer credit after the syllabi are evaluated.

10. **EXIT EXAM**
    An exit exam is required for graduation. The mathematics exit exam for Track II is the PRAXIS II Math content exam required by the State of Alabama for certification in mathematics. This PRAXIS II exam is administered by ETS. It is the student’s responsibility to schedule and take the exit exam. It is required by the College of Education that the Math Content PRAXIS II (online-0061) is passed with a score of 126 (as of April 2007) prior to internship. Students ARE REQUIRED to submit a copy of their PRAXIS II score to their Mathematics advisor to complete their graduation file.
POLITICAL SCIENCE (PO)

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

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

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

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

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

2. **GENERAL EDUCATION REQUIREMENTS:**

   **Area I. Written Composition** ................................................................. 6 semester hours ___ ___

   **Area II. Humanities/Fine Arts (12 semester hours)**
   - At least one fine arts course ................................................................. 3 semester hours ___
   - At least one literature course ............................................................... 3 semester hours ___
   - Other Humanities/Fine Arts courses .................................................... 6 semester hours ___ ___

   **Area III. Mathematics and Natural Sciences (11 semester hours)**
   - Finite Math or its equivalent required ................................................... 3 semester hours ___
   - Natural Sciences (lab based) required .................................................. 8 semester hours ___ ___

   **Area IV. History/Behavioral and Social Sciences (12 semester hours)**
   - At least one history course ................................................................. 3 semester hours ___
   - Other History/Behavioral or Social Science courses ............................ 9 semester hours ___ ___ ___

   **TOTAL GENERAL EDUCATION REQUIREMENTS** ................................. 41 SEMESTER HOURS

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

   - Western Civilization or World History .................................................. 3 semester hours ___
   - American National Government or PO 304 Problems of American Government .................................................. 3 semester hours ___
   - State and Local Government or PO 303 Comparative State and Local Government or Foreign National Government .................................................. 3 semester hours ___
   - CIS 146 Microcomputer Applications or CIS 301 Problem Solving with Computers .................................................. 3 semester hours ___
   - HU 321 Research Sources and Skills or its equivalent .................................................. 1 semester hour
   - General Electives .................................................................................... 10 semester hours ___ ___ ___ ___

   **TOTAL MAJOR PREREQUISITE HOURS:** .................................................. 23 SEMESTER HOURS

   **TOTAL GEN. ED. REQ. & MAJOR PREREQUISITE HOURS:** ....................... 64 SEMESTER HOURS
4. **PROFESSIONAL COURSES:**

<table>
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<th>Course</th>
<th>Hours</th>
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<tr>
<td>PO 303 Comparative State and Local Government</td>
<td>3 semester hours</td>
</tr>
<tr>
<td>PO 304 Problems of American Government</td>
<td>3 semester hours</td>
</tr>
<tr>
<td>PO 307 American Constitutional Law or PO 364 Civil Liberties</td>
<td>3 semester hours</td>
</tr>
<tr>
<td>PO 308 America and the World</td>
<td>3 semester hours</td>
</tr>
<tr>
<td>PO 342 Methods of Behavioral Science Research</td>
<td>3 semester hours</td>
</tr>
<tr>
<td>PO 351 American Public Policy</td>
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<td>PO 377 Public Administration</td>
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<td>PO 453 International Relations</td>
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<td>PO 465 Senior Research Project</td>
<td>4 semester hours</td>
</tr>
<tr>
<td>Electives in Political Science</td>
<td>9 semester hours</td>
</tr>
</tbody>
</table>

**TOTAL PROFESSIONAL HOURS:** 37 SEMESTER HOURS

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

6. A Faculty Advisor approved minor is required. 18 Semester Hours

7. **GENERAL ELECTIVES** 9 Semester Hours

8. **TOTAL HOURS FOR GRADUATION** 128 SEMESTER HOURS
Bachelor of Science - Political Science Major

MAJOR CODE: 45.1001B

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

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

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

2. **GENERAL EDUCATION REQUIREMENTS:**
   
   **Area I. Written Composition .................................................................**
   - 6 semester hours __ __

   **Area II. Humanities/Fine Arts (12 semester hours)**
   - At least one fine arts course .............................................................. 3 semester hours __
   - At least one literature course ......................................................... 3 semester hours __
   - Other Humanities/Fine Arts courses ............................................. 6 semester hours __ __

   **Area III. Mathematics and Natural Sciences (11 semester hours)**
   - Finite Math or its equivalent required ............................................ 3 semester hours __
   - Natural Sciences (lab based) required .......................................... 8 semester hours __ __

   **Area IV. History/Behavioral and Social Sciences (12 semester hours)**
   - At least one history course ............................................................. 3 semester hours __
   - Other History/Behavioral or Social Science courses ....................... 9 semester hours __ __ __

   **TOTAL GENERAL EDUCATION REQUIREMENTS ................................** 41 SEMESTER HOURS

3. **MAJOR PREREQUISITE COURSES (PRE-PROFESSIONAL):**
   
   Western Civilization or World History ...................................................... 3 semester hours __
   - American National Government or
   - PO 304 Problems of American Government ...................................... 3 semester hours __
   - State and Local Government or
   - PO 303 Comparative State and Local Government or
   - Foreign National Government ............................................................ 3 semester hours __
   - CIS 146 Microcomputer Applications or
   - CIS 301 Problem Solving with Computers ........................................ 3 semester hours __
   - HU 321 Research Sources and Skills or its equivalent ....................... 1 semester hour __
   - General Electives ............................................................................. 10 semester hours __ __ __ __

   **TOTAL MAJOR PREREQUISITE HOURS: ...............................................** 23 SEMESTER HOURS

**TOTAL GEN. ED. REQ. & MAJOR PREREQUISITE HOURS: .................** 64 SEMESTER HOURS
4. **PROFESSIONAL COURSES:**

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>PO 303 Comparative State and Local Government</td>
<td>3</td>
</tr>
<tr>
<td>PO 304 Problems of American Government</td>
<td>3</td>
</tr>
<tr>
<td>PO 307 American Constitutional Law or PO 364 Civil Liberties</td>
<td>3</td>
</tr>
<tr>
<td>PO 308 America and the World</td>
<td>3</td>
</tr>
<tr>
<td>PO 342 Methods of Behavioral Science Research</td>
<td>3</td>
</tr>
<tr>
<td>PO 351 American Public Policy</td>
<td>3</td>
</tr>
<tr>
<td>PO 377 Public Administration</td>
<td>3</td>
</tr>
<tr>
<td>PO 453 International Relations</td>
<td>3</td>
</tr>
<tr>
<td>PO 465 Senior Research Project</td>
<td>4</td>
</tr>
<tr>
<td>Electives in Political Science</td>
<td>9</td>
</tr>
</tbody>
</table>

**TOTAL PROFESSIONAL HOURS:** 37 SEMESTER HOURS

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

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

7. **GENERAL ELECTIVES**

<table>
<thead>
<tr>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>27</td>
</tr>
</tbody>
</table>

8. **TOTAL HOURS FOR GRADUATION**

   | 128 SEMESTER HOURS |

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

- Political Science.

Course requirements for this minor can be found at the end of the College of Arts and Sciences section of the catalog.
Bachelor of Science - Political Science Major
Government Administration and Social Policy Option
MAJOR CODE: 45.1001C

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

1. **APPLICABLE GENERAL UNIVERSITY REQUIREMENTS:**

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

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

2. **GENERAL EDUCATION REQUIREMENTS:**

   **Area I. Written Composition** ................................................................. 6 semester hours [___ ___]

   **Area II. Humanities/Fine Arts** (12 semester hours)
   - At least one fine arts course ................................................................. 3 semester hours [___]
   - At least one literature course .............................................................. 3 semester hours [___]
   - Other Humanities/Fine Arts courses .................................................. 6 semester hours [___ ___]

   **Area III. Mathematics and Natural Sciences** (11 semester hours)
   - Finite Math or its equivalent required ................................................. 3 semester hours [___]
   - Natural Sciences (lab based) required ............................................... 8 semester hours [___ ___]

   **Area IV. History/Behavioral and Social Sciences** (12 semester hours)
   - At least one history course ................................................................. 3 semester hours [___]
   - Introduction to Sociology ................................................................. 3 semester hours [___]
   - Other History/Behavioral or Social Science courses ........................... 6 semester hours [___ ___]

   **TOTAL GENERAL EDUCATION REQUIREMENTS** .......................... 41 SEMESTER HOURS

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

   **Western Civilization or World History** .............................................. 3 semester hours [___]
   **American National Government** or
   - PO 304 Problems of American Government ...................................... 3 semester hours [___]
   **State and Local Government** or
   - PO 303 Comparative State and Local Government ........................... 3 semester hours [___]
   **CIS 146 Microcomputer Applications** or
   - CIS 301 Problem Solving with Computers ...................................... 3 semester hours [___]
   **HU 321 Research Sources and Skills** or its equivalent .................. 1 semester hour [___]
   - General Electives ............................................................................ 10 semester hours [___ ___ ___]

   **TOTAL MAJOR PREREQUISITE HOURS:** ........................................... 23 SEMESTER HOURS

   **TOTAL GEN. ED. REQ. & MAJOR PREREQUISITE HOURS:** ............... 64 SEMESTER HOURS
4. **PROFESSIONAL COURSES:**
   - PO 308 America and the World ................................................................. 3 semester hours ___
   - PO 341 Statistics with Advanced Topics in Behavioral Science .................... 3 semester hours ___
   - PO 342 Methods of Behavioral Science Research ......................................... 3 semester hours ___
   - PO 350 Introduction to the American Legal System ...................................... 3 semester hours ___
   - PO 351 American Public Policy .................................................................. 3 semester hours ___
   - PO 377 Public Administration ...................................................................... 3 semester hours ___
   - PO 380 Public Finance ................................................................................ 3 semester hours ___
   - PO 455 Public Administration Ethics ......................................................... 3 semester hours ___
   - PO 465 Senior Research Project ................................................................. 4 semester hours ___
   - PSHA 349 Human Resources Management .................................................. 3 semester hours ___
   - SO 361 Social Analysis ................................................................................ 3 semester hours ___

   **TOTAL PROFESSIONAL HOURS:** ............................................................. 34 SEMESTER HOURS

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

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

7. **GENERAL ELECTIVES** .............................................................................. 30 semester hours ___ ___ ___ ___

8. **TOTAL HOURS FOR GRADUATION** .......................................................... 128 SEMESTER HOURS
PSYCHOLOGY (PS)

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

Bachelor of Arts - Psychology Major
MAJOR CODE: 42.0101A

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

1. APPLICABLE GENERAL UNIVERSITY REQUIREMENTS:

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

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

2. GENERAL EDUCATION REQUIREMENTS:

Area I. Written Composition ................................................................. 6 semester hours __ __

Area II. Humanities/Fine Arts (12 semester hours)
- At least one fine arts course ............................................................ 3 semester hours __
- At least one literature course ......................................................... 3 semester hours __
- Other Humanities/Fine Arts courses .............................................. 6 semester hours __ __

Area III. Mathematics and Natural Sciences (11 semester hours)
- Finite Math or its equivalent required ......................................... 3 semester hours __
- Natural Sciences (lab based) required ........................................... 8 semester hours __ __

Area IV. History/Behavioral and Social Sciences (12 semester hours)
- At least one history course ............................................................ 3 semester hours __
- Other History/Behavioral or Social Science courses ..................... 9 semester hours __ __ __

TOTAL GENERAL EDUCATION REQUIREMENTS .............................................. 41 SEMESTER HOURS

3. MAJOR PREREQUISITE COURSES (PRE-PROFESSIONAL):

- General Psychology ................................................................. 3 semester hours __
- CIS 146 Microcomputer Applications or
  CIS 301 Problem Solving with Computers .................................... 3 semester hours __
- HU 321 Research Sources and Skills or its equivalent ............... 1 semester hour __
- Electives in Psychology ............................................................. 6 semester hours __ __ __
- General Electives ........................................................................ 10 semester hours __ __ __ __

TOTAL PRE-PROFESSIONAL HOURS: .......................................................... 23 SEMESTER HOURS

TOTAL GEN. ED. REQ. & PRE-PROFESSIONAL HOURS: .................. 64 SEMESTER HOURS
4. **PROFESSIONAL COURSES:**
   The following courses must be completed at the 300/400 level:
   
   - PS 331 Social Psychology ................................................................. 3 semester hours ___
   - PS 332 Child Psychology or PS 334 Adolescent Psychology ............... 3 semester hours ___
   - PS 336 Psychology of Learning or PS 410 History and Systems of Psychology .... 3 semester hours ___
   - PS 341 Statistics with Advanced Topics in Behavioral Sciences ............ 3 semester hours ___
   - PS 352 Abnormal Psychology .............................................................. 3 semester hours ___
   - PS 380/PS 380L Experimental Psychology ........................................... 4 semester hours ___
   - PS 406 Physiological Psychology ....................................................... 3 semester hours ___
   - PS 420 Cognitive Psychology .............................................................. 3 semester hours ___
   - PS 499 Thinking, Writing, and Speaking in the Behavioral Sciences ........ 3 semester hours ___
   - Faculty Advisor approved Psychology electives .................................... 12 semester hours ___ ___ ___ ___

   **TOTAL PROFESSIONAL HOURS:** .......................................................... 40 SEMESTER HOURS

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

6. A Faculty Advisor approved minor is required ........................................ 18 semester hours

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

   The student is encouraged to select electives which will prepare him/her to obtain the highest possible score on the Graduate Record Examination (GRE). Such courses would include geometry, additional literature courses, and science courses.

8. **TOTAL HOURS FOR GRADUATION:** ...................................................... 128 SEMESTER HOURS
Program components for the Bachelor of Science degree with a major in Psychology include:

1. **APPLICABLE GENERAL UNIVERSITY REQUIREMENTS:**

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

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

2. **GENERAL EDUCATION REQUIREMENTS:**

   **Area I. Written Composition ............................................................................. 6 semester hours ___ ___**

   **Area II. Humanities/Fine Arts (12 semester hours)**
   - At least one fine arts course ................................................................. 3 semester hours ___
   - At least one literature course ................................................................. 3 semester hours ___
   - Other Humanities/Fine Arts courses ...................................................... 6 semester hours ___ ___

   **Area III. Mathematics and Natural Sciences (11 semester hours)**
   - Finite Math or its equivalent required .................................................. 3 semester hours ___
   - Natural Sciences (lab based) required .................................................. 8 semester hours ___ ___

   **Area IV. History/Behavioral and Social Sciences (12 semester hours)**
   - At least one history course ................................................................. 3 semester hours ___
   - Other History/Behavioral or Social Science courses ............................. 9 semester hours ___ ___ ___

   **TOTAL GENERAL EDUCATION REQUIREMENTS ........................................ 41 SEMESTER HOURS**

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

   General Psychology ..................................................................................... 3 semester hours ___
   - CIS 146 Microcomputer Applications or CIS 301 Problem Solving with Computers ......................................................... 3 semester hours ___
   - HU 321 Research Sources and Skills or its equivalent ................................ 1 semester hour ___
   - Electives in Psychology ........................................................................... 6 semester hours ___ ___ ___
   - General Electives ..................................................................................... 10 semester hours ___ ___ ___ ___

   **TOTAL MAJOR PREREQUISITE HOURS .................................................. 23 SEMESTER HOURS**

   **TOTAL GEN. ED. REQ. & MAJOR PREREQUISITE HOURS: ............. 64 SEMESTER HOURS**
4. **PROFESSIONAL COURSES:**
The following courses must be completed at the 300/400 level:

- PS 331 Social Psychology ................................................................. 3 semester hours ___
- PS 332 Child Psychology or PS 334 Adolescent Psychology .................. 3 semester hours ___
- PS 336 Psychology of Learning or PS 410 History and Systems of Psychology ......................................................... 3 semester hours ___
- PS 341 Statistics with Advanced Topics in Behavioral Science .................. 3 semester hours ___
- PS 352 Abnormal Psychology ................................................................. 3 semester hours ___
- PS 380/PS 380L Experimental Psychology ................................................ 4 semester hours ___
- PS 406 Physiological Psychology ............................................................ 3 semester hours ___
- PS 420 Cognitive Psychology ................................................................. 3 semester hours ___
- PS 499 Thinking, Writing, and Speaking in the Behavioral Sciences .................. 3 semester hours ___
- Faculty Advisor approved Psychology electives ........................................ 12 semester hours ___ ___ ___ ___

**TOTAL PROFESSIONAL HOURS:** .......................................................... 40 SEMESTER HOURS

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

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

7. **GENERAL ELECTIVES** ........................................................................ 24 semester hours ___ ___ ___ ___

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

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

- Psychology.

Course requirements for this minor can be found at the end of the College of Arts and Sciences section of the catalog.
PUBLIC SAFETY AND HEALTH ADMINISTRATION (PSHA)

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

Bachelor of Science - Public Safety and Health Administration Major
MAJOR CODE: 43.0201

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

1. **APPLICABLE GENERAL UNIVERSITY REQUIREMENTS:**

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

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

2. **GENERAL EDUCATION REQUIREMENTS:**

   **Area I. Written Composition** ................................................................. 6 semester hours ___ ___

   **Area II. Humanities/Fine Arts (12 semester hours)**
   - At least one fine arts course ................................................................. 3 semester hours ___
   - At least one literature course ................................................................. 3 semester hours ___
   - Other Humanities/Fine Arts courses .................................................. 6 semester hours ___ ___

   **Area III. Mathematics and Natural Sciences (11 semester hours)**
   - Finite Math or its equivalent required ................................................. 3 semester hours ___
   - Natural Sciences (lab based) required ................................................ 8 semester hours ___ ___

   **Area IV. History/Behavioral and Social Sciences (12 semester hours)**
   - At least one history course ................................................................. 3 semester hours ___
   - Other History/Behavioral or Social Science courses ......................... 9 semester hours ___ ___ ___

   **TOTAL GENERAL EDUCATION REQUIREMENTS** .................................. 41 SEMESTER HOURS

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

   The Public Safety and Health Administration major must complete

   **CIS 146 Microcomputer Applications or**
   - CIS 301 Problem Solving with Computers ........................................ 3 semester hours ___
   - HU 321 Research Sources and Skills or its equivalent ...................... 1 semester hour ___

   The remaining hours in Area V must be completed in Fire Sciences, Nursing, Fire Services Management (FCS), Criminal Justice (CJ), Emergency Medical Services (EMS), Allied Health, or Environmental Technology (EVT) .......... 19 semester hours ___ ___ ___ ___ ___ ___

   **TOTAL MAJOR PREREQUISITE HOURS:** ............................................. 23 SEMESTER HOURS

   **TOTAL GEN. ED. REQ. AND MAJOR PREREQUISITE HOURS:** ............ 64 SEMESTER HOURS
4. **PROFESSIONAL COURSES:**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Semester Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>PO 303</td>
<td>Comparative State and Local Government</td>
<td>3</td>
</tr>
<tr>
<td>PO 342</td>
<td>Methods of Behavioral Science Research or PSHA 401 Measurement and Evaluation</td>
<td>3</td>
</tr>
<tr>
<td>PSHA 349</td>
<td>Human Resources Management</td>
<td>3</td>
</tr>
<tr>
<td>PSHA 350</td>
<td>Introduction to the American Legal System or PO 355 Health Policy in the U.S.</td>
<td>3</td>
</tr>
<tr>
<td>PSHA 354</td>
<td>Contemporary Health and Physical Education Activities</td>
<td>3</td>
</tr>
<tr>
<td>PSHA 377</td>
<td>Public Administration</td>
<td>3</td>
</tr>
<tr>
<td>PO/PSHA 380</td>
<td>Public Finance</td>
<td>3</td>
</tr>
<tr>
<td>PSHA 446</td>
<td>Public Safety Concepts and Systems</td>
<td>3</td>
</tr>
<tr>
<td>PSHA 447</td>
<td>Public Health Concepts and Systems</td>
<td>3</td>
</tr>
<tr>
<td>PSHA 448</td>
<td>Managing the Public Safety and Health Emergency</td>
<td>3</td>
</tr>
<tr>
<td>PSHA 451</td>
<td>Environmental Health and Safety Systems</td>
<td>3</td>
</tr>
<tr>
<td>PSHA 455</td>
<td>Public Administration Ethics</td>
<td>3</td>
</tr>
<tr>
<td>PSHA 465</td>
<td>Senior Research Project</td>
<td>4</td>
</tr>
</tbody>
</table>

**TOTAL PROFESSIONAL HOURS:** ............................................................ **40 SEMESTER HOURS**

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

6. A minor is not required.

7. **GENERAL ELECTIVES** ............................................................................ **20 Semester Hours**

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

The following minor can be obtained in the area of Public Safety and Health Administration:

- Public Safety and Health Administration

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

**PUBLIC SAFETY AND HEALTH ADMINISTRATION EXTRA-INSTITUTIONAL CREDIT**

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

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

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

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

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

Bachelor of Arts - Religion Major
MAJOR CODE: 38.0201A

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

1. APPLICABLE GENERAL UNIVERSITY REQUIREMENTS:

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

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

2. GENERAL EDUCATION REQUIREMENTS:

   Area I. Written Composition ................................................................. 6 semester hours ___ ___

   Area II. Humanities/Fine Arts (12 semester hours)
   At least one fine arts course ................................................................. 3 semester hours ___
   At least one literature course ............................................................... 3 semester hours ___
   Other Humanities/Fine Arts courses ................................................... 6 semester hours ___ ___

   Area III. Mathematics and Natural Sciences (11 semester hours)
   Finite Math or its equivalent required ............................................... 3 semester hours ___
   Natural Sciences (lab based) required ................................................ 8 semester hours ___ ___

   Area IV. History/Behavioral and Social Sciences (12 semester hours)
   At least one history course ................................................................. 3 semester hours ___
   Other History/Behavioral or Social Science courses ......................... 9 semester hours ___ ___ ___

   TOTAL GENERAL EDUCATION REQUIREMENTS .................................. 41 SEMESTER HOURS

3. MAJOR PREREQUISITE COURSES (PRE-PROFESSIONAL):

   Survey of the Old Testament or
   Survey of the New Testament or
   RE 308 Essentials of Biblical Studies .............................................. 3 semester hours ___
   CIS 146 Microcomputer Applications or
   CIS 301 Problem Solving with Computers ........................................ 3 semester hours ___
   HU 321 Research Sources and Skills or its equivalent ....................... 1 semester hour ___
   General Electives ................................................................................ 16 semester hours ___ ___ ___ ___

   TOTAL MAJOR PREREQUISITE HOURS: .............................................. 23 SEMESTER HOURS

   TOTAL GEN. ED. REQ. & MAJOR PREREQUISITE HOURS: ............... 64 SEMESTER HOURS
4. **PROFESSIONAL COURSES:**
   - Comparative Religion or History of World Religions or
   - RE 301 Religions That Shaped the World .............................................................. 3 semester hours ___
   - PH 300 Moral Values in Today’s Society or
   - RE 403 Religion in Life ......................................................................................... 3 semester hours ___
   - Survey of Church History I or
   - Survey of Church History II or
   - RE 312 History of Judaism or
   - RE 314 History of Islam or
   - HY 310 History of American Religion ................................................................. 3 semester hours ___
   - RE 409 Christian Thought in Early Centuries or
   - RE 412 The Hebrew Prophets or
   - RE 413 Psalms and Wisdom Literature ............................................................... 3 semester hours ___
   - RE 327 Sociology of Religion .................................................................................. 3 semester hours ___
   - RE 351 Introduction to Christian Thought ............................................................. 3 semester hours ___
   - RE 416 Interpreting the Text .................................................................................... 3 semester hours ___
   - RE 464 Religious Studies Capstone Course ............................................................. 1 semester hour ___
   - Electives from the Area of Religion or Philosophy at the 300/400 level .................. 9 semester hours ___ ___ ___

   **TOTAL PROFESSIONAL HOURS:** ...................................................................... 31 semester hours

5. A minor is **not** required, but encouraged.

6. **GENERAL ELECTIVES (Without a minor).......................................................... 30 semester hours ___ ___ ___

   **GENERAL ELECTIVES (With an 18 semester hour minor)................................. 12 semester hours ___ ___ ___

7. **TOTAL HOURS FOR GRADUATION................................................................. 125 semester hours ___ ___ ___

8. It is recommended that religion and philosophy students planning to attend graduate school or seminary take at least 6 semester hours of foreign languages. The most common languages used in these disciplines are French, German, Greek, and Hebrew.

9. Philosophy or religion minor, church finance minor, behavioral science minor, religious education minor or philosophy minor .......................................................... 18 semester hours

   The following minors can be obtained in the area of Religion:
   - Behavioral Science
   - Church Finance
   - Philosophy
   - Religion
   - Religious Education

   Course requirements for these minors can be found at the end of the College of Arts and Sciences section of the catalog.
SOCIAL SCIENCE (SS)

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

Bachelor of Science - Social Science Major

MAJOR CODE: 45.0101

1. APPLICABLE GENERAL UNIVERSITY REQUIREMENTS:

To graduate, each student must:

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

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

2. GENERAL EDUCATION REQUIREMENTS:

Area I. Written Composition ................................................................. 6 semester hours __ __

Area II. Humanities and Fine Arts (12 semester hours)
  The Arts ................................................................. 3 semester hours __
  Speech (SPH 106 or SPH 107) .......................................................... 3 semester hours __
  Humanities Elective ........................................................................ 3 semester hours __
  Literature ......................................................................................... 3 semester hours __

Area III. Natural Sciences and Mathematics (11 semester hours)
  Finite Math or its equivalent required ............................................. 3 semester hours __
  Natural Sciences (lab based required) ............................................ 8 semester hours __ __

Area IV. History, Social and Behavioral Sciences (12 semester hours)
  US History I and II ............................................................ 6 semester hours __ __
  General Psychology ................................................................. 3 semester hours __
  Introduction to Sociology or an approved Social and Behavioral
  Science Elective ........................................................................ 3 semester hours __

TOTAL GENERAL EDUCATION REQUIREMENTS: .................................................. 41 SEMESTER HOURS

3. MAJOR PREREQUISITE COURSES (PRE-PROFESSIONAL):

CIS 146 Microcomputer Applications or
  CIS 301 Problem Solving with Computers .......................................... 3 semester hours __
Western Civilization I and II or World History I and II .......................... 6 semester hours __ __
  Introduction to American National Government or
  PO 304 Problems of American Government ...................................... 3 semester hours __
  Macroeconomics ........................................................................... 3 semester hours __
  Microeconomics ........................................................................... 3 semester hours __
  Geography 100 or GO 300 World Regional Geography ..................... 3 semester hours __
  HU 321 Research Sources and Skills or its equivalent ......................... 1 semester hour __
  Elective .......................................................................................... 1 semester hour __

TOTAL MAJOR PREREQUISITE HOURS: .................................................. 23 SEMESTER HOURS

TOTAL GEN. ED. AND MAJOR PREREQUISITE HOURS: .......................... 64 SEMESTER HOURS
4. PROFESSIONAL COURSES:
   HY 302 Alabama History ................................................................. 3 semester hours ___
   HY 307 American Constitutional Law ............................................. 3 semester hours ___
   HY 308 America and the World ....................................................... 3 semester hours ___
   HY 451 Senior History Seminar .................................................... 3 semester hours ___

   Choose 300 or 400 level courses:
   American History .................................................................................. 6 semester hours ___
   Non-American History ......................................................................... 6 semester hours ___

   Social Science Requirements:
   PO 303 Comparative State and Local Government or
   PO 305 Alabama Government .............................................................. 3 semester hours ___
   PO 351 American Public Policy ......................................................... 3 semester hours ___
   PO 453 International Relations ............................................................ 3 semester hours ___
   HY/GO 340 South America, Africa and Asia ...................................... 3 semester hours ___

   TOTAL PROFESSIONAL COURSE HOURS ....................................... 36 SEMESTER HOURS

5. General Electives ................................................................................... 27 semester hours ___

   TOTAL HOURS FOR GRADUATION .................................................. 127 SEMESTER HOURS
Bachelor of Science - Social Science Major  
(Licensure and Certification Track for Teaching in Secondary Education) (Grades 6-12) 
MAJOR CODE: 45.0101

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

**NOTE:** To receive certification in grades 6-12, the students MUST:
1) complete the below listed requirements to include the minor for certification and licensure;
2) maintain a grade point average of at least a 2.5 on a 4.0 scale in the teaching field and overall education. A 2.75 is required in the professional studies. This is a requirement for student teaching and for graduation.
3) repeat courses in which D’s and F’s are made and realize that all attempts are calculated in the GPA.
4) understand that underlined courses in the minor require admission into the Teacher Education Program (TEP);
5) complete the 12 semester hours in History sequences and the 6 semester hours in Macroeconomics and Microeconomics as required by the degree before being admitted to the Teacher Education Program.

### 1. APPLICABLE GENERAL UNIVERSITY REQUIREMENTS:

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

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

### 2. GENERAL EDUCATION REQUIREMENTS:

<table>
<thead>
<tr>
<th>Area I. Written Composition</th>
<th>6 semester hours</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>Area II. Humanities and Fine Arts</th>
<th>12 semester hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>The Arts ..................................</td>
<td>3 semester hours</td>
</tr>
<tr>
<td>Speech (SPH 106 or SPH 107) ........</td>
<td>3 semester hours</td>
</tr>
<tr>
<td>Humanities/Fine Arts Elective .......</td>
<td>3 semester hours</td>
</tr>
<tr>
<td>Literature ................................</td>
<td>3 semester hours</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Area III. Natural Sciences and Mathematics</th>
<th>11 semester hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Finite Math or its equivalent required ........</td>
<td>3 semester hours</td>
</tr>
<tr>
<td>Natural Sciences (lab based required) .......</td>
<td>8 semester hours</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Area IV. History, Social and Behavioral Sciences</th>
<th>12 semester hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>U.S. History I and II ................................</td>
<td>6 semester hours</td>
</tr>
<tr>
<td>General Psychology ...................................</td>
<td>3 semester hours</td>
</tr>
<tr>
<td>Introduction to Sociology or an approved Social and Behavioral Science Elective</td>
<td>3 semester hours</td>
</tr>
</tbody>
</table>

**TOTAL GENERAL EDUCATION REQUIREMENTS:** ............................................ 41 SEMESTER HOURS

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

<table>
<thead>
<tr>
<th>Course</th>
</tr>
</thead>
<tbody>
<tr>
<td>CIS 146 Microcomputer App. or CIS 301 Problem Solving with Computers ........</td>
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<tr>
<td>Western Civilization I and II or World History I and II ..........................</td>
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<tr>
<td>Intro to American National Govt. or PO 304 Problems of American Govn. ......</td>
</tr>
<tr>
<td>Macroeconomics .........................................................................................</td>
</tr>
<tr>
<td>Microeconomics ..........................................................................................</td>
</tr>
<tr>
<td>Geography 100 or GO 300 World Regional Geography ...............................</td>
</tr>
</tbody>
</table>

**TOTAL MAJOR PREREQUISITE HOURS:** .................................................... 21 SEMESTER HOURS

**TOTAL GEN. ED. REQ. AND MAJOR PREREQUISITE HOURS:** ............ 62 SEMESTER HOURS
4. **PROFESSIONAL COURSES:**

- HY 302 Alabama History ................................................................. 3 semester hours __ __ __
- HY 307 American Constitutional Law .................................................. 3 semester hours __ __
- HY 308 America and the World ............................................................ 3 semester hours __ __
- HY 451 Senior History Seminar ........................................................... 3 semester hours __ __

Choose 300 or 400 level courses:

- American History .................................................................................. 6 semester hours __ __ __
- Non-American History ......................................................................... 6 semester hours __ __ __

**Social Science Requirements:**

- PO 303 Comparative State and Local Government or PO 305 Alabama Government ................................................................. 3 semester hours __ __ __
- PO 351 American Public Policy ............................................................... 3 semester hours __ __
- PO 453 International Relations ............................................................... 3 semester hours __ __
- HY/GO 340 South America, Africa and Asia .............................................. 3 semester hours __ __
- EC 310 Modern Economics or EC 320 Introduction to International Commerce ......................................................... 3 semester hours __ __

**TOTAL PROFESSIONAL HOURS** ........................................................... 39 SEMESTER HOURS

5. **COURSES FOR CERTIFICATION:**

- ED 301 Foundations of Education I ......................................................... 3 semester hours __ __
- ED 302 Foundations of Education II ......................................................... 3 semester hours __ __
- ED 305 Technology & Media in Education ................................................ 3 semester hours __ __
- SC 331 Classroom Management in Secondary Education ....................... 3 semester hours __ __
- SC 333 Teaching Reading/Writing in the Content Areas ......................... 3 semester hours __ __
- SC 362 Assessment and Evaluation in Secondary Education .................... 3 semester hours __ __
- PS 334 Adolescent Psychology ............................................................... 3 semester hours __ __
- SE 301 Introduction to Exceptional Learners ............................................ 3 semester hours __
- SS 450 Materials and Methods of Teaching History and Social Sciences in the Middle School/High School ......................................................... 3 semester hours __
- SC 486 Internship in High School Education ........................................... 9 semester hours __ __ __

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

**TOTAL HOURS FOR GRADUATION** ......................................................... 137 SEMESTER HOURS

6. Courses underlined require admission to the Teacher Education Program (TEP) and may not be transferred from another university.

7. Each student will be required to produce course syllabi and/or course descriptions for courses they may wish to transfer towards their Professional Courses requirements. 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 transfer credit after the syllabi are evaluated.
SOCIOLOGY (SO)

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

**Bachelor of Arts - Sociology Major**

**MAJOR CODE: 45.1101A**

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

1. **APPLICABLE GENERAL UNIVERSITY REQUIREMENTS:**

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

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

2. **GENERAL EDUCATION REQUIREMENTS:**

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

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

<table>
<thead>
<tr>
<th>Course</th>
<th>Hours</th>
</tr>
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<tbody>
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<td>CIS 146 Microcomputer Applications or CIS 301 Problem Solving with Computers</td>
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<tr>
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</tr>
<tr>
<td>Electives in Sociology</td>
<td>6 semester hours</td>
</tr>
<tr>
<td>General Electives</td>
<td>13 semester hours</td>
</tr>
<tr>
<td><strong>TOTAL PRE-PROFESSIONAL HOURS:</strong></td>
<td><strong>23 SEMESTER HOURS</strong></td>
</tr>
</tbody>
</table>

**TOTAL GEN. ED. REQ. & PRE-PROFESSIONAL HOURS:** **64 SEMESTER HOURS**
4. **PROFESSIONAL COURSES:**
   The following courses must be completed at the 300/400 level.
   SO 312 Majority/Minority Group Relations ............................................................ 3 semester hours ___
   SO 314 Population Study .......................................................................................... 3 semester hours ___
   SO 341 Statistics with Advanced Topics in Behavioral Science ............................ 3 semester hours ___
   SO 342 Methods of Behavioral Science Research ................................................... 3 semester hours ___
   SO 360 Contemporary American Family .................................................................. 3 semester hours ___
   SO 361 Social Analysis ............................................................................................ 3 semester hours ___
   SO 362 Deviant Social Behavior .............................................................................. 3 semester hours ___
   SO 460 Sociological Theories .................................................................................. 3 semester hours ___
   SO 499 Thinking, Writing, and Speaking in the Behavioral Sciences ..................... 3 semester hours ___
   Electives in Sociology .............................................................................................. 9 semester hours ___ ___ ___

   **TOTAL PROFESSIONAL HOURS:** ...................................................................... 36 SEMESTER HOURS

5. A minor is required ..................................................................................................... 18 semester hours

6. **GENERAL ELECTIVES** ........................................................................................ 10 semester hours ___ ___

7. **TOTAL HOURS FOR GRADUATION:** ................................................................. 128 SEMESTER HOURS
Program components for the Bachelor of Science degree with a major in Sociology include:

1. **APPLICABLE GENERAL UNIVERSITY REQUIREMENTS:**

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

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

2. **GENERAL EDUCATION REQUIREMENTS:**

   **Area I. Written Composition** .......................................................... 6 semester hours ___ ___

   **Area II. Humanities/Fine Arts** (12 semester hours)
   - At least one fine arts course .......................................................... 3 semester hours ___
   - At least one literature course ....................................................... 3 semester hours ___
   - Other Humanities/Fine Arts courses ........................................... 6 semester hours ___ ___

   **Area III. Mathematics and Natural Sciences** (11 semester hours)
   - Finite Math or its equivalent required ........................................... 3 semester hours ___
   - Natural Sciences (lab based) required ........................................... 8 semester hours ___ ___

   **Area IV. History/Behavioral and Social Sciences** (12 semester hours)
   - At least one history course ........................................................... 3 semester hours ___
   - Other History/Behavioral or Social Science courses .................. 9 semester hours ___ ___ ___

   **TOTAL GENERAL EDUCATION REQUIREMENTS** ........................................ 41 SEMESTER HOURS

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

   **The Sociology major must complete**
   - CIS 146 Microcomputer Applications or
   - CIS 301 Problem Solving with Computers ........................................ 3 semester hours ___
   - HU 321 Research Sources and Skills or its equivalent .................. 1 semester hour ___
   - Electives in Sociology .................................................................... 6 semester hours ___ ___
   - General Electives ............................................................................ 13 semester hours ___ ___ ___

   **TOTAL MAJOR PREREQUISITE HOURS:** ........................................ 23 SEMESTER HOURS

   **TOTAL GEN. ED. REQ. & MAJOR PREREQUISITE HOURS:** .............. 64 SEMESTER HOURS
4. **PROFESSIONAL COURSES:**
The following courses must be completed at the 300/400 level:

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

**TOTAL PROFESSIONAL HOURS:** ................................................................. 36 SEMESTER HOURS

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

6. **GENERAL ELECTIVES:** ................................................................. 28 semester hours ___ ___ ___ ___

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

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

- Sociology

Course requirements for this minor can be found at the end of the College of Arts and Sciences section of the catalog.
## COLLEGE OF ARTS AND SCIENCES MINORS

### ART MINOR

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

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

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Semester Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>AR 312</td>
<td>Figure Drawing</td>
<td>3</td>
</tr>
<tr>
<td>AR 423</td>
<td>History of Modern Art</td>
<td>3</td>
</tr>
<tr>
<td>AR 424</td>
<td>Late Modern Art History</td>
<td>3</td>
</tr>
<tr>
<td>AR 430</td>
<td>Advanced Drawing and Design or AR 410 Illustrator Design</td>
<td>3</td>
</tr>
<tr>
<td>Art Electives</td>
<td></td>
<td>6</td>
</tr>
</tbody>
</table>

**TOTAL HOURS FOR MINOR**

18 SEMESTER HOURS

### ART MINOR FOR ART MAJORS ONLY

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Semester Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>AR 314</td>
<td>Watercolor III</td>
<td>3</td>
</tr>
<tr>
<td>AR 317</td>
<td>Ceramic Sculpture</td>
<td>3</td>
</tr>
<tr>
<td>AR 331</td>
<td>Digital Photography</td>
<td>3</td>
</tr>
<tr>
<td>AR 343</td>
<td>Renaissance Art History</td>
<td>3</td>
</tr>
<tr>
<td>*AR 401</td>
<td>Advanced Figure Drawing, *AR 313 Portrait Drawing</td>
<td></td>
</tr>
<tr>
<td>or *6 hours of Art Electives in concentration areas</td>
<td>6</td>
<td></td>
</tr>
</tbody>
</table>

**TOTAL HOURS FOR MINOR**

18 SEMESTER HOURS

### ART HISTORY MINOR

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

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

Stipulations for the art history minor:

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

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Semester Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>AR 342</td>
<td>Art of the Ancient Americas</td>
<td>3</td>
</tr>
<tr>
<td>AR 343</td>
<td>Renaissance Art History</td>
<td>3</td>
</tr>
<tr>
<td>AR 421/RE 421</td>
<td>Sacred Art in History</td>
<td>3</td>
</tr>
<tr>
<td>AR 423</td>
<td>History of Modern Art</td>
<td>3</td>
</tr>
<tr>
<td>AR 424</td>
<td>Late Modern Art History</td>
<td>3</td>
</tr>
<tr>
<td>AR 426</td>
<td>Critical Theories in Art</td>
<td>3</td>
</tr>
</tbody>
</table>

**TOTAL HOURS FOR MINOR**

18 SEMESTER HOURS
### Behavioral Science Minor

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

**Choose one from the following group:**
- PS 352 Abnormal Behavioral
- PS 304 Drugs and Behavior
- PS 406 Physiological Psychology

**Choose one from the following group:**
- PS 331 Social Psychology
- PS 332 Child Psychology
- PS 402 Introduction to Clinical Psychology
- SO 360 Contemporary American Family
- SO 471 Aging in a Mass Society

**Required:**
- PS 334 Adolescent Psychology
- PS 335 Adult Psychology
- SO 362 Deviant Social Behavior
- SO 312 Majority/Minority Relations

**TOTAL HOURS FOR MINOR:** 18 SEMESTER HOURS

### Biology Minor

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

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

The minor must include the following courses or their approved equivalents:
- Principles of Biology I, II

**TOTAL HOURS FOR MINOR:** 18 SEMESTER HOURS

### Chemistry Minor

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

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

- College Chemistry I, II or CH 303, 304, 305
- CH 324 /CH 324L Analytical Chemistry
- Upper Level 300/400 Chemistry courses to be determined by Chemistry

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

### Church Finance Minor

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

**Choose one from the following group:**
- MG 303 Management Decision Support Systems
- MG 349 Human Resources Management
- MG 353 Project Management
- MG 375 Organizational Behavior and Team Building
- MK 331 Marketing Principles

**Required:**
- AC 300 Principles of Accounting
- EC 310 Modern Economics
- MG 350 Financial Management
- GBA311 Legal Environment of Business
- MG 346 Principles of Management and Leadership

**TOTAL HOURS FOR MINOR:** 18 SEMESTER HOURS
COMPUTER INFORMATION SYSTEMS MINOR
(This minor is open to students in all majors. Please consult course descriptions for possible prerequisites.)

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

<table>
<thead>
<tr>
<th>Course</th>
<th>Semester Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>MA308 Discrete Mathematics</td>
<td>3</td>
</tr>
<tr>
<td>Web Programming or Web Development course</td>
<td>3</td>
</tr>
<tr>
<td>CS 317 Computer Science I</td>
<td>3</td>
</tr>
<tr>
<td>CS 318 Computer Science II</td>
<td>3</td>
</tr>
<tr>
<td>CIS 325 The Digital Enterprise</td>
<td>3</td>
</tr>
<tr>
<td>CIS 365 Visual Application Development</td>
<td>3</td>
</tr>
<tr>
<td>Computer Science or Computer Information Systems upper level elective</td>
<td>3</td>
</tr>
</tbody>
</table>

**TOTAL HOURS FOR MINOR:** 21 SEMESTER HOURS

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

<table>
<thead>
<tr>
<th>Course</th>
<th>Semester Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>MA 308 Discrete Mathematics</td>
<td>3</td>
</tr>
<tr>
<td>Microcomputer Applications</td>
<td>3</td>
</tr>
<tr>
<td>CS 309 Introduction to Digital Logic Design</td>
<td>3</td>
</tr>
<tr>
<td>CS 309L Digital Design Lab</td>
<td>1</td>
</tr>
<tr>
<td>CS 317 Computer Science I</td>
<td>3</td>
</tr>
<tr>
<td>CS 318 Computer Science II</td>
<td>3</td>
</tr>
<tr>
<td>CS 340 introduction to Assembly Language</td>
<td>3</td>
</tr>
<tr>
<td>CS 409 Computer Organization and Architecture</td>
<td>3</td>
</tr>
<tr>
<td>CS 415 Operating Systems</td>
<td>3</td>
</tr>
</tbody>
</table>

**TOTAL ADDITIONAL COURSES:** 25 SEMESTER HOURS

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

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

<table>
<thead>
<tr>
<th>Course</th>
<th>Semester Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>MA 308 Discrete Mathematics</td>
<td>3</td>
</tr>
<tr>
<td>Microcomputer Applications</td>
<td>3</td>
</tr>
<tr>
<td>CS 309 Introduction to Digital Logic Design</td>
<td>3</td>
</tr>
<tr>
<td>CS 309L Digital Design Lab</td>
<td>1</td>
</tr>
<tr>
<td>CS 317 Computer Science I</td>
<td>3</td>
</tr>
<tr>
<td>CS 318 Computer Science II</td>
<td>3</td>
</tr>
<tr>
<td>CS 372 Data Structures</td>
<td>3</td>
</tr>
<tr>
<td>CS 472 Algorithm Analysis</td>
<td>3</td>
</tr>
</tbody>
</table>

**TOTAL HOURS FOR MINOR:** 22 SEMESTER HOURS

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

A minor in Drama consists of 18 semester hours. Please choose six (6) of the below listed courses.

<table>
<thead>
<tr>
<th>Course</th>
<th>Semester Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>EH 310 Film: History, Development, and Evaluation</td>
<td>3</td>
</tr>
<tr>
<td>EH 311 Drama Production</td>
<td>3</td>
</tr>
<tr>
<td>EH 319 Technical Theatre</td>
<td>3</td>
</tr>
<tr>
<td>EH 321 Set Design</td>
<td>3</td>
</tr>
<tr>
<td>EH 323 Dramatic Interpretation</td>
<td>3</td>
</tr>
<tr>
<td>EH 333 Acting</td>
<td>3</td>
</tr>
<tr>
<td>EH 405 Playwriting</td>
<td>3</td>
</tr>
</tbody>
</table>

**TOTAL HOURS FOR MINOR:** 18 SEMESTER HOURS
ENGLISH MINOR
(This minor is open to students in all majors. Please consult course descriptions for possible prerequisites.)

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

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

TOTAL HOURS FOR MINOR ........................................................................... 21 SEMESTER HOURS

GENDER AND MULTICULTURAL STUDIES MINOR
(This minor is open to students in all majors. Please consult course descriptions for possible prerequisites.)

PS/SO 301 Introduction to Gender and Multicultural Studies ......................... 3 semester hours

Choose one course from the Humanities section listed below ....................... 3 semester hours
Choose one course from the Social & Behavioral Sciences section listed below .. 3 semester hours
Choose one course from the Business section listed below ................................ 3 semester hours
Choose three additional courses from the Humanities; Social & Behavioral Sciences; or Business courses listed below ................................................. 9 semester hours

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

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

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

TOTAL HOURS FOR MINOR ......................................................... 21 SEMESTER HOURS

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

GERONTOLOGY MINOR
(This minor is open to students in all majors. Please consult course descriptions for possible prerequisites.)
GE 320 Nutrition ................................................................. 3 semester hours ___
GE 320L Nutrition Lab ...................................................... 1 semester hour ___
GE 335 Adult Psychology .................................................. 3 semester hours ___
GE 410 Physiology of Aging ................................................ 3 semester hours ___
GE 412 Aging Policy and Programs .................................... 3 semester hours ___
GE 471 Aging in a Mass Society ......................................... 3 semester hours ___
GE 464 Practicum in Psychology/Sociology/Gerontology ...... 3 semester hours ___

TOTAL HOURS FOR MINOR ...................................................... 19 SEMESTER HOURS

HISTORY MINOR
(This minor is open to students in all majors. Please consult course descriptions for possible prerequisites.)
History is an approved area of study for a minor. The student must complete at least 18 semester hours of history distributed as follows:
American History .............................................................. 6 semester hours ___ ___
European History .............................................................. 6 semester hours ___ ___
Non-Western History ......................................................... 3 semester hours ___
History Elective ................................................................. 3 semester hours ___

TOTAL HOURS FOR MINOR ...................................................... 18 SEMESTER HOURS

JUSTICE STUDIES MINOR
(This minor is open to students in all majors. Please consult course descriptions for possible prerequisites.)
A minor in Justice Studies requires the completion of eighteen semester hours of coursework to consist of the following:
JS 301 Criminal Justice Process ........................................ 3 semester hours ___
JS 302 Criminal Law ........................................................ 3 semester hours ___
JS 452 Advanced Criminology ......................................... 3 semester hours ___
Justice Studies electives .................................................. 9 semester hours ___ ___ ___

TOTAL HOURS FOR MINOR ...................................................... 18 SEMESTER HOURS

MARINE SCIENCE MINOR
(This minor is open to students in all majors. Please consult course descriptions for possible prerequisites.)
A Marine Science minor requires completion of 20 semester hours of marine science and/or biology coursework, at least 12 semester hours of which must be taken at Dauphin Island Sea Lab.
The minor must include the following courses or their approved equivalents:
Principles of Biology I, II ...................................................... 8 semester hours ___

TOTAL HOURS FOR MINOR ...................................................... 20 SEMESTER HOURS
MATHEMATICS MINOR
(This minor is open to students in all majors. Please consult course descriptions for possible prerequisites.)

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

Calculus Sequence ................................................................. 12 semester hours
MA 310 Linear Algebra .......................................................... 3 semester hours
MA 321 Differential Equations .............................................. 3 semester hours
Upper Division Mathematics Electives (Approved Mathematics courses above the calculus sequence) ........................................... 6 semester hours

TOTAL HOURS FOR MINOR .................................................. 24 SEMESTER HOURS

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

Choose one from the following group:
PH 312 Logic
PH 401 Skeptical, Critical, and Logical Thinking .................................................. 3 semester hours

Required:
PH 300 Moral Values in Today's Society ......................................................... 3 semester hours
PH 321 History of Philosophy I ................................................................. 3 semester hours
PH 322 History of Philosophy II ................................................................. 3 semester hours
PH 325 Philosophy of Religion ........................................................................ 3 semester hours
Electives in the Humanities or Sciences ......................................................... 3 semester hours

TOTAL HOURS FOR MINOR .................................................. 18 SEMESTER HOURS

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

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

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

TOTAL HOURS FOR MINOR .................................................. 18 SEMESTER HOURS

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

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

PS 331 Social Psychology ............................................................................... 3 semester hours
PS 420 Cognitive Psychology or PS 336 Psychology of Learning .................. 3 semester hours
PS 332 Child Psychology or PS 334 Adolescent Psychology .......................... 3 semester hours
PS 352 Abnormal Psychology .......................................................................... 3 semester hours
PS 406 Physiological Psychology ..................................................................... 3 semester hours
Psychology Elective ......................................................................................... 3 semester hours

TOTAL HOURS FOR MINOR .................................................. 18 SEMESTER HOURS
PUBLIC SAFETY AND HEALTH ADMINISTRATION
(This minor is open to students in all majors. Please consult course descriptions for possible prerequisites.)

A minor in Public Safety and Health Administration requires the completion of eighteen semester hours of coursework to consist of the following:

- PO 303 Comparative State and Local Government ................................................. 3 semester hours
- PSHA 377 Public Administration .............................................................................. 3 semester hours
- PSHA 380 Public Finance .......................................................................................... 3 semester hours
- PSHA 446 Public Safety Concepts and Systems ...................................................... 3 semester hours
- PSHA 447 Public Health Concepts and Systems ...................................................... 3 semester hours
- PSHA 455 Public Administration Ethics ................................................................... 3 semester hours

TOTAL HOURS FOR MINOR .............................................................................. 18 SEMESTER HOURS

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

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

TOTAL HOURS FOR MINOR .............................................................................. 18 SEMESTER HOURS

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

RELIGIOUS EDUCATION MINOR
(RE 305 Survey of Religious Education .................................................................... 3 semester hours
- RE 405 Religious Education of Adults* ................................................................. 3 semester hours
- ER 310 Principles of Early Childhood Education .................................................... 3 semester hours
- RE 417 Senior Research Project in Religious Education .......................................... 4 semester hours
- **Elective in Education ............................................................................................ 6 semester hours

TOTAL HOURS FOR MINOR .............................................................................. 19 SEMESTER HOURS

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

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

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

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

- SO 312 Majority/Minority Group Relations ........................................................... 3 semester hours
- SO 362 Deviant Social Behavior ............................................................................... 3 semester hours
- SO 460 Sociological Theories ................................................................................... 3 semester hours
- Sociology Electives ................................................................................................... 9 semester hours

TOTAL HOURS FOR MINOR .............................................................................. 19 SEMESTER HOURS