

# Athens State University

Founded 1822

## 2017-2018 Undergraduate Academic Catalog

Vol. XLI, No. 1

### ACCREDITATION

Athens State University is accredited by the Southern Association of Colleges and Schools Commission on Colleges to award bachelor's and master's degrees. Contact the Commission on Colleges at 1866 Southern Lane, Decatur, Georgia 30033-4097 or call 404-679-4500 for questions about the accreditation of Athens State University.

The College of Education at Athens State University is accredited by the National Council for Accreditation of Teacher Education (NCATE), 2010 Massachusetts Avenue, N.W., Suite 500, Washington, D.C. 20036, (202) 223-0077.

The College of Business at Athens State University is nationally accredited by the Accreditation Council for Business Schools and Programs (ACBSP), 11520 West 119<sup>th</sup> Street, Overland Park, Kansas 66213, (913) 339-9356.

Athens State University is approved by the Alabama State Department of Education for the training of elementary, secondary, and postsecondary school teachers. The Alabama State Department of Education is a member of the National Association of State Directors of Teacher Education Certification.

The B.S. in Computer Science degree program is accredited by the Computing Accreditation Commission of ABET, 415 North Charles Street, Baltimore, Maryland 21201, (410) 347-7700, <http://www.abet.org>.

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A Non-Profit, State Institution of Higher Learning

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

### **Nondiscrimination/Equal Opportunity Statement**

Athens State University, as an equal opportunity/affirmative action institution, complies with all applicable federal and state laws regarding nondiscrimination and affirmative action. Athens State University does not discriminate on the basis of race, color, national origin, age, marital status, gender, gender identity, gender expression, pregnancy, sexual orientation, disability, religion, genetic information, or veteran status in employment, or admissions to or participation in educational programs and activities. Inquiries or concerns may be addressed to the Office of the Vice President of Enrollment and Student Support Services, 300 N. Beaty St., Athens, AL 35611, 256-233-8175.

### **Disability Statement**

Athens State University complies with section 504 of the Rehabilitation Act of 1973 and the Americans with Disabilities Act (ADA) of 1990 including all updated regulations and guidance. Athens State University strives to provide a dynamic and appropriate instructional environment and workplace to meet the needs of students, employees and citizens of the communities served. It is the policy of the University that a good faith effort shall be made to meet the accommodation requests of persons with disabilities. Athens State University employees and citizens should contact the Office of Human Resources, (256) 216-3314, to complete the procedure for requesting an accommodation. Students with disabilities may contact Disability Services, located on the upper level of the Sandridge Student Center, (256) 233-8143.

### **Harassment and Discrimination**

If any person feels he/she has been harassed or discriminated against, the person should follow the University's [Harassment and Discrimination Policy and Procedure](#). Complaints of sexual misconduct should follow the University's [Sexual Misconduct Policy and Procedure](#). The University can only take action against alleged offenders and protect the University from future incidents if occurrences of harassment and discrimination are reported in a timely fashion.

### **Privacy of Student Records - Education Rights and Privacy Act of 1974**

Athens State University complies with the provisions of the Family Educational Rights and Privacy Act (FERPA) of 1974 as amended. FERPA sets forth the requirements pertaining to the privacy of student records, and the rights of students with respect to their education records. For complete FERPA information, see the Records section of this catalog or the University's online Policy Library.

### **State Transfer and Articulation Reporting System (STARS)**

The State Transfer and Articulation Reporting System (STARS) is a web-based based articulation and transfer planning system designed to inform students who attend public two-year and four-year institutions about approved transfer courses and programs. STARS is an efficient and effective way of providing students, counselors, advisors, and administrators with accurate information upon which transfer decisions may be made. STARS is the information link between the public institutions of higher education in the State of Alabama. The STARS system, if used properly, can prevent the loss of course credit hours, can provide direction for scheduling of course work, and can ease the transition from one institution to another. Transfer guides and additional information can be obtained directly through the [STARS website](#).

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# **Introduction and General Information**

## **Athens State University Vision Statement**

Athens State University will be the premier destination for transfer students seeking the highest quality education and cutting-edge delivery at the most affordable cost. As the upper division university in Alabama, building on a tradition that began in 1822, Athens State University will be the catalyst for positive change in the lives of its students. (The Vision Statement was approved by the Board of Trustees on April 19, 2013.)

## **Athens State University Mission Statement**

The University advances the best interests of its students and the State of Alabama through teaching, service, research and other creative activities to empower students to make valuable contributions in their professional, civic, educational, and economic endeavors. Through innovative communication and course delivery for high-quality undergraduate and select graduate programs, Athens State University provides a supporting environment for each student, demonstrating the importance of the diverse and interdependent nature of our state and society. Athens State University changes the face of Alabama by changing the lives of its students. (The Mission Statement was approved by the Executive Committee of the Board of Trustees on March 10, 2015.)

## **Institutional Goals**

1. To emphasize a student-centered approach to teaching, learning, and University life by expanding educational opportunities and social mobility through high quality instructional and student support services that are both accessible and affordable.
2. To promote a sense of belonging that results in lifelong associations with the University.
3. To foster and strengthen effective partnerships with educational, governmental, business, charitable, and civic organizations.
4. To recruit and retain a diverse and highly qualified faculty and staff committed to excellence in all University pursuits.
5. To encourage an atmosphere of diversity and to protect the free exchange of ideas.
6. To maintain and improve University facilities and programs through public funds and philanthropic initiatives and to ensure effective stewardship of resources.
7. To conduct University affairs in a manner that is transparent, deliberative, and ethical.
8. To evaluate, support, and effectively utilize emerging technologies.

## **Learning Goals**

1. **Global Understanding**  
Graduates of Athens State University will understand human cultures, the natural world, and the connections of a global society in the 21<sup>st</sup> century.
2. **Effective Communication**  
Graduates of Athens State University will read, write, speak, and listen effectively.
3. **Lifelong Learner**  
Graduates of Athens State University will desire to learn for a lifetime.
4. **Intellectual and Practical Skills**  
Graduates of Athens State University will think critically and creatively, independently and cooperatively, qualitatively and quantitatively.
5. **Ethical Responsibility**  
Graduates of Athens State University will engage in moral and ethical reasoning and will be proactive in their efforts to build a more just world.
6. **Human Diversity**  
Graduates of Athens State University will recognize and value human difference as well as understand how those differences enrich communities.
7. **Digital Citizenship and Information Literacy**  
Graduates of Athens State University will appropriately utilize and embrace emerging and relevant technologies and will demonstrate information literacy that will enhance their personal and professional lives.
8. **Civic Engagement**  
Graduates of Athens State University will be prepared to participate effectively in civic, charitable, and governmental affairs.
9. **Disciplinary Knowledge**  
Graduates of Athens State University will have an in-depth understanding of a discipline that will prepare them for careers or further studies, showing evidence of applying quality research to real situations.

## **Brief History of Athens State**

Athens State University is the oldest college in the state of Alabama. The institution was founded in 1822 by local citizens who purchased five acres of land, erected a building, and established Athens Female Academy. In 1842, ownership of the institution was transferred to the Tennessee Conference of the Methodist Church. The institution then came under the jurisdiction of the North Alabama Conference of the United Methodist Church when the Conference was established in 1870.

On May 10, 1974, the Board of Trustees requested permission from the North Alabama Conference of the United Methodist Church that the institution be allowed to seek affiliation with the State of Alabama. The Conference, at its annual meeting in June, 1974, granted the Board of Trustees permission and authorized the transfer of the institution to the State of Alabama.

In June 1975, the institution was accepted by the Alabama State Board of Education subject to the appropriation of operating funds by the Alabama Legislature. Later that year, the Legislature appropriated funds for the operation of the institution to serve the graduates of state junior, community, and technical colleges/institutes.

Through these changes in governance and purpose, the institution's name has changed several times in its history. Athens Female Academy, upon transfer to the Tennessee Conference of the Methodist Church in 1842, became Athens Female Institute. Then in 1889 after transfer to the newly formed North Alabama Conference, the Institute became known as Athens Female College. In 1931, the College became coeducational and was renamed Athens College. In 1975, when the institution became part of the state educational system, it was renamed Athens State College, marking the initiation of a new era of for the institution as an upper-division institution. In 1998, an act of the Alabama Legislature renamed the College as Athens State University.

By an act of the Alabama Legislature effective October 1, 2012, Athens State University was removed from governance under the Alabama State Board of Education and Department of Postsecondary Education, and from membership in the Alabama Community College System. On that date, an autonomous Board of Trustees assumed all authority over the University.

The long history of service by the University is the foundation upon which the future of the University rests.

## **Admission to Athens State University**

Admission to the University is accomplished by completing the appropriate application form, paying any required application fees, and furnishing the required credentials and documentation. Since Athens State University is an upper-division institution, anyone seeking admission **must have prior college level credit as documented on official transcripts**. More specific requirements for transfer to the University, including requirements for Joint Enrollment or Early Admission, are detailed in the sections that follow.

Admission to certain programs offered by the Colleges of the University may require submission of additional forms or documentation; see the appropriate College's section of this catalog for details.

For questions regarding admission, contact the Office of Admissions: (mail) Athens State University Office of Admissions, 300 North Beaty Street, Athens, AL 35611; (phone) 256-233-8130; (email) [admissions@athens.edu](mailto:admissions@athens.edu). Prospective students may also visit the Admissions webpage and apply online at <http://www.athens.edu/admissions/>. The Office of Admissions is located on the lower-level of the Sandridge Student Center.

### **Summary of Admission Requirements**

To gain admission to the University, prospective students must demonstrate:

- Completion of at least 60 semester hours of freshman and sophomore college credit with an overall 2.0 grade point average (GPA) on a 4.0 scale, **OR**;
- Completion of a degree from a two-year or four-year institution accredited by a regional accrediting agency, **provided** the student has completed all General Education requirements (Areas I-IV) according to the student's specific major, **OR**;
- Completion of a degree, diploma or certificate from a regionally accredited technical college or institute, **OR**;
- Fulfillment of requirements for Joint Enrollment, Early Admission, or other transfer (see details in sections that follow).

**All college credit must be documented on official transcripts sent directly to the Office of Admissions from all institutions where coursework was attempted and/or degrees were completed.**

### **Conditional Admission**

If the Office of Admissions does not have all official transcripts by the beginning of a prospective student's first semester or term, the student may be admitted **conditionally** for that term, providing unofficial copies of all transcripts have been submitted. If all official transcripts are not received by the end of the **fifth week** of the student's first semester or term, the student **will not be allowed** to register for any subsequent terms until all official transcripts are received by the Office of Admissions.

### **Transfer of Academic Credit**

As an upper division institution, Athens State University accepts credit from postsecondary institutions accredited by one of the six regional accrediting bodies for inclusion in the student's records and possible fulfillment of some degree requirements. **Acceptance of credit from institutions accredited by other accrediting bodies recognized by the U.S. Department of Education will be considered only on a case-by-case basis. Official transcripts from institutions accredited by such other accrediting bodies must be submitted for evaluation prior to admission to Athens State.**

**The University reserves the right to determine the applicability of any transfer credit toward the fulfillment of a student's degree requirements at Athens State.** In order to be applied to degree requirements, transfer credit and coursework must be relevant to the degree or program the student plans to pursue. The content and level of instruction of transfer coursework is evaluated to ensure that student competencies in the coursework are equivalent to those required by the State's general education coursework requirements, or to similar coursework offered at Athens State.

Course credit taken at the graduate level or applied toward a graduate degree will **not** be accepted or recorded on the Athens State University undergraduate transcript. A limited amount of graduate coursework may be accepted for students who are admitted as degree-seeking graduate students at Athens State; see the Graduate Catalog for additional details.

Athens State University **does not accept** continuing education units (CEUs) for academic credit.

### **Non-Traditional Academic Credit**

For information concerning non-traditional credit, contact the Director of the Adult Degree Program (256-233-8281) or refer to the policy document [Non-Traditional Academic Credit](#).

Non-traditional academic credit may be awarded for various types of study or learning achieved outside traditional college formats. Examples of such learning are certain educational programs conducted by government, business and industry, the military, or other non-collegiate organizations. Non-traditional academic credit may be awarded for acceptable work experience, and/or technical training. Degree-seeking students may apply for non-traditional academic credit if the credit is applicable toward their program of study.

Athens State University honors credit earned through the Advanced Placement Program (AP) and College Level Examination Program (CLEP) provided acceptable examination scores are achieved. Since AP and CLEP are accepted as non-graded credit, any

credit awarded will not factor in to a student's grade point average. **Credit awarded for AP and CLEP examinations is at the 100-200 level.** Although credit may be awarded by the University, applicability toward the towards the pre-professional or professional course requirements in a specific degree program and major is determined by the appropriate faculty advisor(s) in the College offering the program or major. Credit will be awarded only if it does not duplicate other earned academic credit.

**Official transcripts of AP and CLEP scores must be submitted directly to the Office of Admissions before any credit is awarded. If official examination transcripts cannot be obtained, no credit will be awarded.**

Credit may be awarded through the completion of DANES Subject Standardized Tests (DSST) under the Defense Activity for Non-traditional Educational Support (DANTES) provided acceptable scores are achieved. Credit will be awarded only if it does not duplicate other earned academic credit. **Official transcripts of DSST examination scores must be submitted directly to the Office of Admissions before any credit is awarded. If official examination transcripts cannot be obtained, no credit will be awarded.**

Minimum exam scores required for credit are determined by the American Council on Education (ACE) and are subject to change without notice when ACE performs an exam review. It is the examinee's responsibility to check the AP/CLEP/DSST/ACE websites to confirm the number of hours and whether upper/lower level credit will be awarded before taking any exams. For more information, contact the [University Testing Center](#) (256-233-6540).

## Categories for Admission of Degree Seeking Students

Prospective students applying for admission to the University who plan to pursue a degree must fall into one of the following categories. **Regardless of the category of admission, the University reserves the right to determine the applicability of any transfer credit toward the fulfillment of a student's degree requirements at Athens State.**

### Regular Transfer Students

Students who have completed at least 60 hours of freshman and sophomore level college credit at regionally accredited two-year or four-year institutions with an overall GPA of at least 2.0 on a 4.0 scale may be considered for admission. This category includes students that have earned an associate's degree from a community college.

### Joint Enrollment Students

Students currently attending a community college who have completed at least 32 semester hours at the community college with at least a 3.0 GPA on a 4.0 scale may be jointly enrolled (taking courses at both Athens State and the community college in the same term). **Joint enrollment requires the written permission of the instructional dean of the respective community college.** Courses taken at Athens State University may be used to fulfill community college degree requirements if approved by the community college. (Athens State courses approved for the fulfillment of requirements at the community college will still be transcribed on the Athens State University transcript.)

### Early Admission Students

Students who have completed at least 41 semester hours from regionally accredited institutions with an overall GPA of at least 2.0 on a 4.0 scale, **and** who have met all General Education requirements (Areas I-IV in degree program requirements) prior to being admitted to Athens State University, may be considered for admission. This category applies when a student does not plan to receive an associate's degree from a community college and does not need additional courses offered at the community college level. Students seeking early admission are required to supply **all transcripts (official or unofficial)** before meeting with the Director of Admissions, who must approve early admission.

### Students with Previous Degrees

Students who have previously been awarded a baccalaureate degree at Athens State or another regionally accredited institution, and who plan to pursue another degree at Athens State, may be considered for admission. Students with previous degrees must complete all **current** catalog requirements for the new degree and major, and must complete at least 25 percent of the requirements for the new degree and major at Athens State University beyond the conferral date of the first degree. For additional information see "Second Degrees" in the Academic Policies section later in this catalog.

Students who have previously **completed** a degree or program at a regionally accredited technical college or institute, or at a regionally accredited business or proprietary school, may be considered for admission. **Students must submit official transcripts for review prior to admission.** During the admissions process, each student's previous work will be reviewed to ascertain the entry study level of the student. In general, individual related subject courses and grades may not be directly transcribed. Technical programs completed at Council on Occupational Education (COE) accredited institutions may be potentially creditable; however, such credit may be awarded for a maximum of thirty-nine semester hours of non-graded credit depending on the particular technical program completed and the Athens State degree being pursued. These courses will not affect the total hours residency at Athens State required for the degree program, and credit earned through this method will not be used in determining the student's overall grade point average. Certain courses may be used as substitutions or waivers for specific courses in the Athens State University degree program.

## International Students

For information concerning international student enrollment, contact Laura Allen: [Laura.Allen@athens.edu](mailto:Laura.Allen@athens.edu) (256-233 8142), or visit the International Students webpage at <http://www.athens.edu/international-students>.

International students applying for admission as degree-seeking students must meet the requirements for one of the above admission categories, or must have the equivalent coursework as documented in a course-by-course evaluation performed by an evaluation agency that is a member of the National Association of Credential Evaluation Services ([NACES](#)). International students transferring from another U.S. college/university must maintain F-1 status and must not have a terminated SEVIS record. In addition to a completed application for admission, prospective international students must provide:

- Official copies of transcripts from each college/university attended in the United States, and/or an official copy of the course-by-course evaluation performed by an evaluation agency that is a member of NACES for any college credit taken outside of the United States;
- A Plan of Study completed by a counselor in the Transfer Student Success Center;
- Official documentation of the completion of TOEFL with a minimum score of 500 (pBT), 62 (iBT) or 173 (cBT) if transferring from outside the United States;
- Official documentation showing proof of health and life insurance while in the United States;
- A letter from a banking institution verifying financial status.
- Copies of visa, I-94, and current I-20;
- A completed Affidavit of Support form;
- A completed Transfer Clearance form.

**All documentation must be received at least 30 days prior to the semester of enrollment.**

## Admission of Non-Degree Seeking Students

A student who does not meet the requirements for one of the above admission categories as a degree seeking student and who wishes to pursue a **limited objective** (see below) may be admitted as a non-degree seeking student. Non-degree seeking students should apply directly to the Office of Admissions and **must complete an admissions application**. Records are kept of the work completed and credits are transferable. **Non-degree seeking students are ineligible for financial aid, veteran benefits, or federal aid funding under Title IV.**

### Definition of Limited Objectives

- **Auditing** - Any individual may elect to attend classes on an audit basis. Credit **is not** awarded for audited classes. Placement in a course as an auditing student is on a space available basis. **No change from audit to credit is allowed.**
- **Certificate** – A person who is pursuing completion of one of the certificate programs offered by Athens State may be admitted as a non-degree seeking student and should limit enrollment to courses required for the certificate, or prerequisites for these courses. Official transcripts may be required to document completion of prerequisite courses.
- **Personal Enrichment** - A person who wishes to attend Athens State University for personal enrichment or self-improvement will be limited to 6 semester hours per term with credit recorded as for a regular degree-seeking student.
- **Teacher Certification/Recertification** - A student holding a degree from another institution and taking courses at Athens State University for the purpose of fulfilling teacher certification requirements must submit one copy of all **official transcripts** from each institution previously attended. These transcripts are not evaluated or recorded but are used in determining teacher certification requirements. (For additional details, see the Teacher Education Program requirements in the College of Education section of this catalog.)
- **Transient Student from Another Institution** - A student who is in good standing at another college or university who wishes to take courses at Athens State to transfer back to their home institution must submit a Transient Letter (“Letter of Good Standing”) from the home institution indicating the specific courses to be taken at Athens State and must complete an admissions application. Upon completion of the course(s) at Athens State, the transient student must request that official transcripts be sent directly to the home institution, subject to the transcript requirements of the home institution. An international student who wishes to attend Athens State as a transient student must have a transfer clearance sheet from the current foreign student advisor. Transient students from another college or university **are not eligible** to receive federal aid funding from Athens State under Title IV.

## Readmission of Former Students in Good Standing

A student who has previously attended Athens State University and is currently in good standing (not on academic probation), including students returning after an absence of more than one semester (excluding summer semester) must submit a readmission form. There will be no additional application fee charged.

Former students who were suspended from Athens State due to unsatisfactory academic performance must appeal to the Admissions Committee in order to be readmitted (see details in sections that follow).

If a returning student plans to seek a degree from Athens State University and has attended another college or university during the absence from Athens State, the student must ensure that **official transcripts** are mailed directly to the Office of Admissions from the college or university attended.



## Admission of Students on Probationary Status at Other Institutions

A student on probationary status at another institution must provide **official transcripts** from all colleges or universities previously attended for review prior to admission.

A student who has been **suspended indefinitely** from another institution during the current academic year **will not** be permitted to enter Athens State University. However, a student who has been out of school at least one year after being suspended indefinitely by another institution may be considered for admission.

If a student on probationary status at another institution is admitted and has an overall GPA of less than 2.0, the student will be admitted on **Academic Probation**. Whether probationary status continues depends on the following circumstances:

- If at the conclusion of the semester in which the student admitted on academic probation has attempted a total of 12 semester hours at Athens State and the overall GPA is 2.0 or above, the student's status will no longer be probationary and the student will be in good standing.
- If, at the conclusion of the semester in which the student admitted on academic probation has attempted a total of 12 semester hours at Athens State University and the semester GPA at Athens State is 2.0 or above, but the overall GPA is less than 2.0, the student **will remain on Academic Probation**.
- If, at the conclusion of the semester in which the student admitted on academic probation has attempted a total of 12 semester hours at Athens State University and the semester GPA at Athens State is less than 2.0, the student is **suspended for one semester**. This suspension will be noted on the student's official Athens State transcript.

## Appeal to the Admissions Committee

The University Admissions Committee reviews and makes recommendations on the admission of students who do not meet standard admissions requirements, or on the readmission of former students who have been suspended from Athens State University due to unsatisfactory academic performance.

Students receiving financial aid who have their aid suspended for failure to meet requirements for satisfactory academic progress must file a separate appeal with the Office of Financial Aid for consideration of reinstatement of aid. For additional details, see the Student Financial Aid section of this catalog or the Financial Aid section of the University website.

All appeals must use the standard appeals form available through the [Office of Admissions webpage](#), and must include all information and materials as specified on the form. The Office of Admissions must receive the form and any supporting materials by the deadline set by the Office for each semester or term. If the student fails to meet the required deadline, the student will be required to wait until the next semester for the appeal to the Admissions Committee. The Admissions Committee meets only once per semester to review appeals.

**Every student admitted through the appeal process will have their records reviewed at the end of the term in which they were admitted or readmitted for verification of satisfactory academic performance.** For additional details on satisfactory academic performance, see the Academic Policies section of this catalog.

## Reciprocal Admissions Options

Students admitted to Athens State as degree seeking students may occasionally need to attend another institution to obtain coursework not available at Athens State.

### Athens State Transient Students

An Athens State student in good standing may request to enroll in a course at another college or university and to transfer the credit back to Athens State University when Athens State courses are not available. Athens State transient students must:

- Complete a Transient/Visiting Student form available through the [Office of Admissions webpage](#).
- Have official transcripts of transient coursework completed sent directly to the Office of Admissions immediately upon completion of course(s) to ensure timely transfer of credit.

After achieving junior status or completion of 64 semester hours, a student may **not** transfer credit for courses taken at a junior college except by prior written permission from the academic advisor. No more than 64 semester hours of community college credit will be applied toward degree requirements.

**NOTE- Financial Aid Recipients:** Federal Regulations prohibit federal aid from being paid to a student at more than one school for the same period of time. However, Financial Aid funds MAY BE USED by a transient student at institutions with Financial Aid Consortium Agreements. The Athens State Financial Aid Office must have verification of your enrollment status at any other institution. Currently Athens State University has financial aid agreements with the following schools:

- Beville State Community College
- Northeast Alabama Community College
- Northwest-Shoals Community College
- Snead State Community College
- Wallace State Community College – Selma
- Wallace State Community College – Hanceville (must be prepaid and reimbursed with Financial Aid from Athens State)

Please also see dual enrollment at <http://www.athens.edu/financial-aid/regulations/> or email [finaid@athens.edu](mailto:finaid@athens.edu) for details.

**Visiting Students Program**

Athens State University participates in a Visiting Students Program with the University of Alabama in Huntsville, Alabama A&M University, and Oakwood College. Only full-time Athens State students in good standing are eligible to participate in the program, and students may take only one course at a participating institution per semester. Requests to participate in the program must be made directly to the Office of Admissions during regular registration. Students cannot participate in the program during the final semester at Athens State. To participate in the program, an Athens State student must also obtain written approval from the faculty advisor for the course to be taken, documenting that the course is needed in the curriculum plan, and that the course being taken is not available at Athens State during the visiting semester.

**Special Instructional Request (SIR) Program**

Athens State University and Calhoun Community College cooperate in a Special Instructional Request (SIR) program. ***Athens State University students are considered visiting students under the SIR program and are placed in Calhoun courses only after all Calhoun students are placed.*** Other restrictions apply. Please contact the Athens State Office of Admissions for information.

## **Academic Records – Office of the Registrar (Student Records)**

For questions regarding academic records/transcripts, contact the Office of the Registrar (Student Records): (mail) Athens State University Office of Student Records, 300 North Beaty Street, Athens, AL 35611; (phone) 256-233-8131; (email) [registrar@athens.edu](mailto:registrar@athens.edu). Students may also visit the Student Records webpage at <http://www.athens.edu/student-records/>.

### **Permanent Academic Record**

An Athens State student's permanent academic record will consist of the Athens State University transcript, and **may** include the following: admission application, official transcripts from colleges and universities previously attended, graduation application, degree audit forms, documentation which may affect the release of student's records and any disciplinary action that would directly affect the student's enrollment in the institution. Financial records are not considered part of the student's permanent academic record.

### **Notification of Rights under FERPA**

Athens State University complies with the provisions of the Family Educational Rights and Privacy Act (FERPA) of 1974 as amended. FERPA sets forth the requirements pertaining to the privacy of student records. The law governs the release of education records and access to the records.

Responsibility for the protection of the privacy of education records rests primarily with the University Registrar and the Office of Records. FERPA defines education records to include records, files, documents, and other materials that contain information directly related to students and those that are maintained by an educational agency or institution, subject to certain restrictions under the Act.

A student's permanent education (academic) record consists of the Athens State University transcript, and **may** also include the following: admissions application, official transcripts sent to the University from other colleges and universities attended, graduation application, degree audit forms, documentation affecting the release of a student's records, and documentation of any disciplinary action that would directly affect the student's enrollment at the University. Financial records are not considered to be part of a student's permanent academic record.

FERPA affords eligible students certain rights with respect to their education records. An "eligible student" is a student who is 18 years or older or who is attending a postsecondary institution.

#### **These rights include:**

- 1.** The right to inspect and review the student's education records, subject to any limitations under the Act, within 45 days after the day the University receives a request for access. Students should submit to the University Registrar/Office of Records an Education Record Review Request Form. The Registrar will make arrangements for access and will notify the student of the time and place where the records may be inspected. The Registrar or designee shall be present during the inspection. If the requested records are not maintained by the Registrar, the Registrar shall advise the student of the correct University official to whom the request should be addressed. Copies of a student's education records may be obtained for a prepaid fee.
- 2.** The right to request the amendment of the portions of the student's education records that the student believes are inaccurate or misleading. A student who wishes to request that the University amend a record should submit to the University Registrar/Office of Records (or other appropriate official) a written statement which clearly identifies the part(s) of the record they want changed, why it should be changed, and any documentation that supports the request. The student will be notified in writing of the University's decision to amend or not amend. If the University's decision is not to amend, the student will be notified of a hearing process that they may initiate regarding the request for amendment. Additional information regarding the hearing process and procedures will be provided to the student when notified of the right to a hearing.

Note: FERPA was not intended to provide a process to be used to question substantive judgments which are correctly recorded. The FERPA right to request the amendment of records is not intended to allow a student to contest, for example, a grade in a course because the student feels a higher grade should have been assigned.

- 3.** The right to provide written consent before the University discloses personally identifiable information from the student's education records, except to the extent that FERPA authorizes disclosure without consent.

FERPA allows disclosure of information **without consent** under the following provisions:

- Disclosures to school officials with legitimate educational interests. A "school official" is a person employed by the University in an administrative, supervisory, academic, research, or support staff position (including law enforcement unit personnel and health staff); a person serving on the board of trustees; a student serving on an official committee, such as a disciplinary or grievance committee; a person or company that the University has contracted as its agent to provide a service (such as an

attorney, auditor, or collection agency); or a person assisting school officials in performing their tasks. A school official has a "legitimate educational interest" if the official needs to review an education record in order to fulfill his or her professional responsibilities.

- Disclosures of directory information. "Directory information" is information contained in an education record of a student that would not generally be considered harmful or an invasion of privacy if disclosed.

**If a student does not want directory information disclosed, the student must submit to the University Registrar/Office of Records a Directory Information Opt-Out Form within the first 15 days of the semester.** Completing this form and notifying the Registrar/Office of Records covers only the disclosure of directory information from centralized records. Students who are members of individual organizations such as fraternities, sororities, clubs, etc. must also notify those organizations to restrict the disclosure of directory information.

Athens State University has defined directory information as the following:

- Student name
- Permanent and local addresses
- Telephone listing
- Email address
- Major fields of study
- Dates of attendance
- Degrees, honors, or awards received
- High school and other colleges/universities attended
- Participation in officially recognized organizations, activities, and sports

- Disclosures allowed under other exceptions of the Act. The University may disclose information **without** prior consent:
  - To officials of another school, upon request, where the student seeks or intends to enroll.
  - To authorized representatives of the U.S. Comptroller General, the U.S. Attorney General, the U.S. Secretary of Education, or State and local educational authorities, such as the State postsecondary authority that is responsible for supervising the University's State-supported education programs. Disclosures under this provision may be made, subject to the requirements of the Act, in connection with an audit or evaluation of Federal- or State-supported education programs, or for the enforcement of or compliance with Federal legal requirements that relate to those programs. These entities may make further disclosures of personally identifiable information to outside entities that are designated by them as their authorized representatives to conduct any audit, evaluation, or enforcement or compliance activity on their behalf.
  - In connection with financial aid for which the student has applied or which the student has received, if the information is necessary to determine eligibility for the aid, determine the amount of the aid, determine the conditions of the aid, or enforce the terms and conditions of the aid.
  - To organizations conducting studies for, or on behalf of, the University, in order to: (a) develop, validate, or administer predictive tests; (b) administer student aid programs; or (c) improve instruction.
  - To accrediting organizations to carry out their accrediting functions.
  - To comply with a judicial order or lawfully issued subpoena.
  - To appropriate officials in connection with a health or safety emergency, subject to the requirements of the Act.
  - To a victim of an alleged perpetrator of a crime of violence or a non-forcible sex offense, subject to the requirements of the Act. The disclosure may only include the final results of the disciplinary proceeding with respect to that alleged crime or offense, regardless of the finding.
  - To the general public, the final results of a disciplinary proceeding, subject to the requirements of the Act, if the University determines the student is an alleged perpetrator of a crime of violence or non-forcible sex offense and the student has committed a violation of the University's rules or policies with respect to the allegation made against him or her.
  - To parents of a student regarding the student's violation of any Federal, State, or local law, or of any rule or policy of the University, governing the use or possession of alcohol or a controlled substance if the University determines the student committed a disciplinary violation and the student is under the age of 21.

4. The right to file a complaint with the U.S. Department of Education concerning alleged failures by the University to comply with the requirements of FERPA. The name and address of the Office that administers FERPA is:

Family Policy Compliance Office  
U.S. Department of Education  
400 Maryland Avenue, SW  
Washington, DC 20202

5. The right to review records of requests for disclosure of personally identifiable information from the student's education records.

## **Requests for Official or Unofficial Transcripts**

To request unofficial or official transcripts directly from the Office of Records, students must complete and submit the standard [Athens State transcript request form](#) available through the Office of Records webpage, and must pay any required transcript fees.

Official transcripts may be also requested online through the [Transcripts on Demand Transcript Ordering Service](#). Details on this service can be found on the [Office of Records](#) webpage.

## **Academic Policies**

Students admitted to Athens State University assume responsibility for being familiar with the academic policies and procedures of the University and the requirements for the degree and major that is being pursued. Additional information and other policies related to academics and educational programs can be found in the online [Athens State University Policy Library](#).

### **Academic Advising**

#### **Student Success Center**

Upon admission to Athens State University, all new students are encouraged to meet with a student success coach to understand how their transfer credits will apply to their Athens State plan of study (degree and major of interest), what general studies requirements may still be required, an overall understanding of upper-level course requirements and other degree-specific considerations. The Center is a resource to help students navigate and plan their first semester(s) of coursework, explain university policy and total credit hour requirements for graduation, as well as connect the students with the correct person, resource or department on campus.

#### **Faculty Advisor**

Upon admission to Athens State University, each student is assigned a faculty advisor. Students should confer with their advisor at least once each semester. Although each student assumes final individual responsibility for meeting all degree requirements, the advisor will offer guidance in planning the student's academic program. Any adjustments to the program of study require the submission and approval of a Curriculum Adjustment form.

#### **Academic Bankruptcy and Course Forgiveness**

Under Academic Bankruptcy, a student may apply to have 1 to 3 entire semesters of Athens State coursework excluded from the calculation of the institutional GPA, provided the student has completed 18 semester hours beyond the term being bankrupted. When academic bankruptcy is granted for a given semester, the grades for all bankrupted courses will still appear on the Athens State transcript, but will have a notation that these courses are being excluded from the institutional GPA. **Academic bankruptcy for a given semester excludes grades for all coursework taken during that semester, regardless of the grade, from the institutional GPA.**

Under Course Forgiveness, a student may apply to have no more than 2 Athens State courses (not to exceed 8 semester hours) excluded from the calculation of the institutional grade point average (GPA). If forgiveness is granted, the grades for all forgiven courses will still appear on the Athens State transcript, but will have a notation that these courses are being excluded from the institutional GPA. For additional details, see the policy document [Course Forgiveness and Academic Bankruptcy](#).

**The credit for any courses included in bankrupted semesters or in course forgiveness cannot be used towards fulfillment of program or major requirements.** Students are encouraged to contact their academic advisor before applying for academic bankruptcy or course forgiveness. **Special regulations pertain to students receiving veteran's benefits or financial aid: those individuals must confer with the Director of Veterans Affairs or the Director of Student Financial Aid prior to applying for academic bankruptcy or course forgiveness.**

Implementation of academic bankruptcy or course forgiveness at Athens State does not guarantee that other institutions will recognize such action. This determination will be made by the respective transfer institutions.

#### **Academic Calendar**

Athens State University operates on the semester system, with two semesters (fall and spring) comprising the regular academic year. Following the spring semester, the University also offers a summer term comprised of a variety of class sessions and formats. The two semesters comprising the regular academic year (fall and spring) will each be at least 15 calendar weeks in length, excluding pre-registration. The summer term will be at least 10 weeks in length, excluding pre-registration.

#### **Academic Credit**

The standard unit of college credit awarded at Athens State University is the semester hour. Course descriptions found in this catalog indicate the number of semester hours which may be earned for a particular course. Transfer credits earned in quarter hours will be evaluated on the basis that one quarter hour equals two-thirds semester hours. (e.g., a five quarter hour course would equal 3.3 semester hours). See the Admissions section of this catalog for additional details on transfer credit.

#### **Academic Honesty**

Athens State University, like all institutions of higher learning, can function effectively only when the members of the University community treat one another with honesty, fairness, respect, and trust. It is the responsibility of every student at Athens State University to be familiar with the [Student Code of Conduct](#) and the provisions of the Code related to academic dishonesty and student conduct, and to follow and support the enforcement of the Code.

## Academic Honors and Awards

Athens State University recognizes outstanding academic achievement accomplished during a given academic semester, and for outstanding achievement throughout a student's academic career.

- **President's List** – The President's List is published each semester and includes the names of students who have attained an institutional GPA of 4.0 on at least 12 semester hours of course work for that semester.
- **Provost's List** – The Provost's List is published each semester and includes the names of the students who have attained an institutional GPA of 3.50 or above (but below 4.0) on at least 12 semester hours of course work for that semester.
- **Highest Scholastic and Outstanding Academic Achievement Awards** – Graduates with outstanding academic achievements are recognized in the spring semester each year. To be eligible for nomination for these awards students must have completed 18 semester hours credit in residence at Athens State University. All students graduating in a given academic year are eligible for consideration. Students may be nominated by faculty members based on their GPA and other exemplary considerations.
- **Degrees with Honor** – Degrees with honor are based on performance in all academic work completed at Athens State University, with the exception of any coursework excluded by course forgiveness or academic bankruptcy. **To be eligible for a degree with honor, a student must have completed at least 45 semester hours at the University, not including coursework excluded by course forgiveness or academic bankruptcy.**
  - **Summa Cum Laude** – Awarded to graduating students with institutional GPAs of 3.90 to 4.0.
  - **Magna Cum Laude** – Awarded to graduating students with institutional GPAs of 3.70 to 3.89.
  - **Cum Laude** – Awarded to graduating students with institutional GPAs of 3.50 to 3.69.

## Audited Courses

Upon the recommendation of the faculty advisor, a student may audit a non-laboratory course. Students auditing a course should participate in the course in the same way as for-credit students, although auditing students are not required to complete course examinations. **No change from audit to credit is allowed.** Placement in a course as an auditing student is on a space available basis.

## Change of Program (Changes of Major, Minor, Concentration or Catalog Year)

A student who wishes to make any changes to their current program (changes to declared major, minor, concentration, or catalog year) must complete a Student Request for Change of Program form, available to students online. Students are strongly encouraged to confer with both current and prospective faculty advisors before requesting any changes. **Note:** A change of major requires the student to fulfill the degree requirements for the new major as specified in the catalog in effect on the date of the change request. Addition of majors, minors or concentrations may require moving to a newer catalog if the added major/minor/concentration did not exist under the student's current catalog.

## Concurrent Degrees

Students who have not previously completed a baccalaureate degree at Athens State can pursue two degrees of different types (i.e., B.A. and B.S., or B.A. and B.S.Ed., or B.S. and B.S.Ed.) concurrently only if at least 25% of the requirements for one of the degrees are unique to that degree, and are not major, pre-professional, or general education courses for the other degree. In addition, the total hours for both degrees must be at least 155 hours. If 25% is not unique or a total of 155 hours cannot be identified for the two degrees, the student is **not eligible** to earn both degrees, and can only be awarded an additional major (see Second or Additional Majors below).

If 25% is unique and a total of 155 hours can be identified, the student is eligible for and can be awarded both degrees simultaneously upon the completion of all requirements for both degrees and majors. Students wishing to pursue concurrent degrees must confer with their advisor(s), complete the appropriate forms to declare the concurrent degrees, and receive the necessary approvals as indicated by the forms before the concurrent degree declarations are added to the permanent academic record.

Upon completion of the concurrent degrees, the transcript will note the conferral of both degrees, the date conferred, and the majors. For additional details, see the [Second Degrees and Double or Additional Majors](#) policy.

## Course Attendance

It is accepted academic philosophy that sustained course attendance is essential to the overall educational value of a course of study in higher education. To achieve the maximum benefits from educational activities, Athens State University expects regular attendance, or online involvement and participation in the case of distance learning, from all students. **Students receiving financial aid or veterans benefits are required to attend classes according to the regulations of the federal government or the Veterans Administration.**

Attendance policies and other requirements for a particular course are published in the course syllabus and are set by the course instructor. It is therefore important that each student secure a copy of the course syllabus and be familiar with the contents. A student's performance in relation to the published requirements and class attendance regulations will affect the grade earned in the course. Any student who must miss an examination has the responsibility for notifying the instructor as soon as is practicable. It is the decision of the instructor whether a missed exam may be "made-up."

## Course Cancellation

Athens State University reserves the right to cancel any course without advance notification.

## Course Hour Load/Overload

The course hour load for a full-time student is 12-19 semester hours for the fall and spring semesters, and 12-15 semester hours for the summer term. During semesters in which compressed sessions are offered, the University reserves the right to further limit the number of hours for which a student may enroll. In addition, the University reserves the right to take appropriate steps for any student placed on academic probation, including limiting the student's course load. **No student may take more than 24 semester hours in a given term.** Students who wish to enroll in a course hour overload must complete and submit a standard overload request form available through the Office of Admissions webpage. **To qualify for a course hour overload, a student must have an overall GPA of 2.50 or higher.**

## Curriculum Adjustment Form

Course substitutions, course equivalences, and/or student curriculum adjustments require the student's advisor to submit a curriculum adjustment form. **Adjustments will not be made without the appropriate signatures required.** Once the form is submitted and signed at the appropriate levels it will be sent to the Records Office for processing.

## Degree Completion – Time Limit Requirement

A student who does not complete the requirements for a degree within a 5-year period from the date of entry must then follow the degree requirements published in the catalog which is issued when they begin their sixth year of enrollment. This process is repeated every five years until the student graduates.

## Degree Options

Athens State University offers three baccalaureate degree options: the Bachelor of Arts degree, the Bachelor of Science degree and the Bachelor of Science in Education degree. Not all degrees are available in every major/program. Students should refer to the academic College sections of this catalog for specific degree options and requirements.

## Directed Study/Research Courses

With approval of the faculty advisor and the dean of the appropriate academic College, an Athens State University student may complete and apply a maximum of 6 semester hours of Directed Study/Research course work towards the requirements for a particular degree or major. Such directed study or research must be conducted in the student's major area of study.

## Distance Learning – Online Courses and Online Course Content

Athens State University offers a variety of courses and course content through **Blackboard Learn**, the University's primary platform for delivery of online course content. The College of Business currently offers all of its majors online and many online courses are offered through the College of Education and the College of Arts and Sciences. **Students should consult an advisor or counselor before registering for an online course to ensure that they meet both the academic and technology requirements for the online course.** All courses offered in online formats meet the same requirements and quality standards as those offered in traditional classroom formats. All services of the University, such as library services, bookstore services and learning lab services, are available to both distance learning and traditional students through the University website, phone, or email.

All students enrolled in a least one regular course during any semester are **automatically enrolled** into a self-paced orientation course designed to familiarize students with Blackboard. While completion of this non-credit course is completely voluntary, all students, particularly new students who may be unfamiliar with online course technology or who are less confident in their computer skills, are strongly encouraged to complete the course.

## Final Grade Appeals

A student wishing to appeal a final grade must show **clear and convincing evidence** that:

- The grade was assigned in error, or;
- The faculty member did not assign the grade based on the grading policies and course requirements published in the course syllabus, or;
- The faculty member made changes in grading policies or course requirements without due notice and explanation.

Students cannot use this appeal process to review final course grades that are the result of an academic penalty or sanction for an academic violation of the *Student Code of Conduct*. For additional details, see the policy document [Final Grade Appeals](#).

## General University Requirements for Graduation

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

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

- Complete a minimum of 124 semester hours with at least 25 percent of the degree requirements earned at Athens State University.
- Attain a minimum institutional grade point average of 2.0 on all coursework attempted at Athens State University, and at least



a 2.0 in the major field. **College or departmental regulations may require grade point averages higher than 2.0. These degree-specific requirements are published in the appropriate degree/major section of the University catalog.**

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

## Grades

(For additional details see the policy document [Athens State University Grading System](#).) Grades of “A”, “B”, or “C” represent levels of accomplishment that indicate a student is performing satisfactorily. A grade of “D” is considered inferior and is the minimum level of accomplishment that will allow a student to continue study at the University if overall academic performance is satisfactory (see the policy *Standards of Academic Performance*). A grade of “F” is unacceptable and may be assigned when a student either: fails to meet the minimum course requirements specified in the course syllabus or assigned by the instructor, or; voluntarily discontinues class attendance without officially withdrawing.

A grade of “I” (incomplete) will be given only under extenuating circumstances, and only through consultation with and by written permission of the instructor. To obtain an incomplete in a course, a student must have completed at least 50% of the work required for the course. If an “I” is given, the time limit allotted for a student to complete the course requirements is at the discretion of the instructor, but will generally be no later than the end of the next semester. If the course requirements are not completed in the time frame allotted, the grade of “I” becomes an “F” unless the time limit is extended by the instructor. **For purposes of GPA computation the “I” is evaluated as “F” until course requirements are completed and a grade change is made.** A grade of “W” will be assigned only when a student officially withdraws from a course before the date of the first day of final exams as published in the academic schedule for the term of enrollment. See “Withdrawal from Courses” below or the policy document [Withdrawal from Courses](#).

While grades of “AU” (audit), “IP” (in progress, used when grades are pending), “W”, and “WC” (withdrawn administratively due to a conduct violation) may appear on the Athens State transcript, **these grades are not awarded quality points and are not used in calculating grade point averages** (see below).

## Grade Point Average (GPA)

### GPA Categories

Several types of grade point averages may be calculated depending on the program or major a student is pursuing. **GPAs appear on the Athens State transcript unless otherwise noted.**

- **Transfer** – calculated for all coursework completed at other postsecondary institutions. This GPA is calculated and used to determine eligibility for admission. See the policy document [Transfer and Acceptance of Academic Credit](#) for additional details.
- **Semester** – calculated for all coursework completed at Athens State University in a particular semester or term.
- **Institutional** – calculated for all coursework completed at Athens State University.
- **Program/major specific** – calculated for specific coursework (e.g., courses required for teacher certification) in Colleges or departments that have special requirements in the program or major. This GPA is calculated and used only to determine eligibility or fulfillment of College or departmental requirements, and does not appear on the Athens State transcript.

### Quality Points for Letter Grades

For each hour of credit in a course, quality points are awarded based on the letter grade earned for the course. Quality points are assigned as follows:

- “A” – 4.0 Quality Points per semester hour
- “B” – 3.0 Quality Points per semester hour
- “C” – 2.0 Quality Points per semester hour
- “D” – 1.0 Quality Point per semester hour
- “F” – 0.0 Quality Points per semester hour

The total number of quality points earned for a course is calculated by multiplying the quality point value for the letter grade

earned by the number of semester hours the course was worth. For example, a student earning the grade of “A” in a 3-semester hour course would be awarded 12 quality points. A student earning the grade of “C” in a 4-semester hour course would be awarded 8 quality points.

### Calculation of GPA

GPA's are calculated by dividing the total number of quality points earned by the total number of completed hours in the category. For example, a student that has completed 24 semester hours at Athens State and who has earned 81 quality points would have an institutional GPA of 3.38. **GPA's are rounded to the second decimal place.** A sample GPA calculation for a typical semester is seen below.

Course Hours	Grade Earned	Quality Points
3	A	12
3	B	9
3	D	3
1	B	3
2	C	4

$$\text{Semester GPA} = \text{Total Quality Points} / \text{Total Completed Hours} = 31/12 = 2.58$$

### Graduation (Commencement) Application

To apply for graduation, students must complete the online Graduation Application form by the deadline published in the class schedule each semester. Students will not be able to apply for graduation until the first day of the semester. Students are also strongly encouraged to complete the Graduating Senior Exit Survey available online. **Failure to notify the Office of Records in a timely manner of the intent to graduate may result in a student's graduation being postponed until the end of the subsequent semester.** Commencement ceremonies are held at regularly scheduled times at the end of each semester as determined by the University.

### Minors

Degree-seeking students can choose to complete coursework for one or more minors in addition to the coursework required for a degree/major. A minimum of six (6) semester hours of upper-level coursework in the minor must be completed at Athens State University. College or departmental regulations may require completion of more than six (6) semester hours of coursework in the minor at Athens State University. These specific requirements are published in the appropriate Minors section of the University catalog. To have completion of the minor(s) noted on the official transcript, all requirements for each minor being pursued must be completed, and additional minors must not have more than 6 semester hours of course requirements in common with any other minor. Students cannot receive credit for completing minors that clearly overlap any majors being completed; for example, a student majoring in Biology cannot receive credit for completion of a Biology minor.

Some degree programs require students to complete a minor (approved by the academic advisor) in addition to the coursework required for the degree/major. These degree and program specific requirements are published in the appropriate degree/major section of the University catalog.

### Registration for Courses

Students may register for courses using the Athens State Online system during periods prior to the beginning of each semester or term. The online registration periods are published in the academic schedule for each semester or term.

For a period following online registration periods as specified in the schedule for each semester or term, students may late register for courses, or courses may be dropped and other courses added, provided required payments are made. Veteran students receiving benefits or students receiving financial aid are strongly encouraged to confer with either the Director of Veterans Affairs or the Office of Student Financial Aid prior to making any schedule changes.

### Repeated Courses

Students should be aware that course repeats, regardless of the reason, are frequently looked upon unfavorably by employers, honor societies, and graduate schools. Any course originally taken at Athens State University **must** be repeated at Athens State University for the repeated course to count towards program requirements. While the grades for all repeated courses remain on the Athens State transcript, only the most recent course grade will be used in calculating the institutional GPA and for determining the fulfillment of program or major requirements or eligibility for honors.

Students are encouraged to contact their academic advisor before repeating any courses. **Special regulations pertain to students receiving veteran's benefits or financial aid: those individuals must confer with the Director of Veterans Affairs or the Director of Student Financial Aid prior to registering for a course repeat.**

### Second Degrees

Students who have previously been awarded a baccalaureate degree at Athens State or another regionally accredited institution,

and who plan to pursue another degree at Athens State, must meet all **current** admission requirements, complete all **current** catalog requirements for the new degree and major, and must complete at least 25 percent of the requirements for the new degree and major at Athens State University beyond the conferral date of the first degree. [See also the Concurrent Degrees section above, and the Second (Double) or Additional Majors section below.]

#### **Students Who Earned a Previous Baccalaureate Degree at Athens State**

In order to pursue a second degree after the conferral date of the first degree from Athens State, at least 25% of the course requirements for the new degree and major must be unique to the new degree and major, and must not be courses that are major, pre-professional, or general education courses for the first degree and major. If 25% of the course requirements are not unique, the student is **not eligible** to pursue the second degree/major.

Upon completion of the second degree, the transcript will note the conferral of the second degree, the date conferred, and the major.

### **Second (Double) or Additional Majors**

#### **Second (Double) Majors**

Students can pursue two majors under the same degree (e.g., both are B.S. programs) concurrently only if at least 20 hours for one of the majors are unique to that major, and are not major, pre-professional, or general education courses for the other major. If at least 20 unique hours cannot be identified between the majors, then a double major is **not possible or allowed**. If 20 unique hours can be identified, then upon completion of the requirements for the degree and both majors, the transcript will note the conferral of one degree, the date conferred, and both majors. **Non-disciplinary majors such as Liberal Studies are excluded as a second major.**

Students wishing to pursue double majors must confer with their advisor(s), complete the appropriate forms to declare the double majors, and receive the necessary approvals as indicated by the forms before the double major declarations are added to the permanent academic record.

#### **Additional Majors**

Students can pursue two majors under different degrees (e.g., one major is a B.S. program, the other a B.A. program) concurrently only if at least 20 hours for one of the majors are unique to that major, and are not major, pre-professional, or general education courses for the other major. If at least 20 unique hours do not exist between the majors, then the additional major is **not possible or allowed**. If 20 unique hours can be identified, then upon completion of the requirements for the degree and both majors, the transcript will note the conferral of one degree (the primary degree as specified by the student when the additional major is approved), the date conferred, and both majors. **Non-disciplinary majors such as Liberal Studies are excluded as an additional major.**

The additional major is shown as an additional major only, with no indication that the major is associated with the degree conferred. Students wishing to pursue additional majors must confer with their advisor(s), complete the appropriate forms to declare the additional major, and receive the necessary approvals as indicated by the forms before the additional major declarations are added to the permanent academic record.

According to federal regulations, a student is no longer eligible for grant aid once they meet the requirements for a first bachelor's degree, even if the student does not receive the degree. Beyond meeting the requirements for a first bachelor's degree the student may receive aid in the form of student loans if the student is seeking an additional degree (for example, first degree BA, second degree BS or BSED) or completing courses to meet state requirements for teacher certification or the student is completing a certification with a minimum of 24 semester hours. Recommended or optional courses for professional recognition or advancement do not qualify a student for aid.

### **Standards of Academic Performance**

The University standards for satisfactory academic performance are designed to assist the student in meeting and maintaining a level of achievement that will assure reasonable progress toward graduation. As specified in the General University Requirements for Graduation, all students must maintain a minimum institutional grade point average of 2.0 for graduation; some College or departmental regulations may require grade point averages higher than 2.0 (see the appropriate College or departmental section of the catalog for additional details).

**While academic performance at other institutions is considered for admission to the University, the academic status of an Athens State student is based only on the student's performance in coursework taken at the University.**

Categories for the academic status of a student are:

- **Good Standing** – assigned to a student whose cumulative institutional GPA is 2.0 or above, and whose semester institutional GPA for any semester/term is 2.0 or above.
- **Academic Probation** – assigned to a student whose semester institutional undergraduate GPA in a semester/term is below 2.0. This status will also be assigned to a student already on academic probation in a semester/term who earns a 2.0 undergraduate GPA or above in a subsequent term, but whose cumulative institutional GPA is still below 2.0. This status will

also be assigned to a student who is admitted on probationary status from other institutions, or who is admitted to the University with a transfer GPA less than 2.0.

- **Academic Suspension, One Semester** – assigned to a student on academic probation in a semester/term and whose GPA in the subsequent semester/term is below 2.0. Students wishing to return to the University after serving a one-semester suspension must apply for readmission to the Admissions Committee (see below). Suspensions may be waived on appeal by application to and approval of the Admissions Committee. Students readmitted after serving a suspension, or on successful appeal of the suspension, are readmitted on academic probation status.
- **Academic Suspension, One Year** - assigned to a student on academic suspension, one semester, and whose semester GPA in the returning semester/term is below 2.0. Students wishing to return to the University after serving a one-year suspension must apply for readmission to the Admissions Committee. Suspensions may be waived on appeal by application to and approval of the Admissions Committee. Students readmitted after serving a suspension, or on successful appeal of the suspension, are readmitted on academic probation status.

Students receiving financial aid who have their aid suspended for failure to meet requirements for satisfactory academic progress must file a **separate** appeal with the Office of Financial Aid for consideration of reinstatement of aid. For additional details, see the Student Financial Aid section of this catalog or the Financial Aid section of the University website.

Students on academic probation or suspension cannot receive permission to take coursework from another institution. Credit earned at another institution may not be used to clear probation or suspension status at Athens State University. For additional details, see the policy document [Standards of Academic Performance](#).

### Student Classification

- **Freshman** – A student who has earned less than 32 semester hours of credit; this classification may be appropriate for applicants or admitted students who have not sent all official transcripts to Athens State University.
- **Sophomore** – A student who has earned a minimum of 32 semester hours of credit; this classification may be appropriate for joint or early admission students, or for admitted students who have not sent all official transcripts to Athens State University.
- **Junior** – A student who has earned a minimum of 64 semester hours of credit or who has received an associate’s degree from an accredited two-year college.
- **Senior** – A student who has earned a minimum of 93 semester hours of credit.
- **Non-degree Seeking** – A student admitted in order to achieve a limited objective and who is not pursuing a degree. (See the Admissions section of this catalog for additional details.)

### Testing/Assessment

Students seeking admission to the College of Education’s Teacher Education Program (TEP) must take the Alabama Prospective Teacher Test (APTT), which include three parts focusing on reading, writing, and mathematics. All three parts must be passed in order to apply for admission to TEP. Prior to graduation, the PRAXIS II Content Area/Subject Area test must be taken and passed prior to admission to internship/student teaching. For additional details, see the College of Education section of the catalog.

In non-teacher education fields, each department and major require some form of exit assessment. The assessment may be a capstone experience, exit exam, or other method to assess whether students leaving the program have the necessary curricular attributes associated with the major, and also assesses the effectiveness of the curriculum within the major. This is an opportunity for self-reflection and synthesis, allowing the student to demonstrate integration of learning and academic growth. Assessment helps the institution meet student needs and ensure that teaching and learning are actually taking place. Assessment is continually under review to determine its value and effectiveness, and assessment methods are subject to change as determined appropriate for the institution. Any student having questions about assessment should contact the department chair of the academic department overseeing the major or program.

### Withdrawal from Courses

A student may officially withdraw from an individual course **before** the date of the first day of final exams as published in the academic schedule for the semester or term of enrollment. A student who officially withdraws from a course after the late registration/change of schedule period but before the first day of final exams will be assigned a grade of “W” for the course and the grade will be entered on the Athens State transcript. A “W” grade will **not** be assigned after the withdrawal deadline.

**Absence from a course does not constitute an official withdrawal. A student enrolled in a course that stops attending and does not officially withdraw will receive a grade of “F”. Under no circumstances will a grade of “W” be changed to a grade, or a final grade be changed to a “W.”**

Students **must** process all official withdrawals using the procedure established by the Office of Admissions and published on the University website. Failure to do so may result in a failing grade for a course.

Students are encouraged to contact their academic advisor before withdrawing from any courses. **Special regulations pertain to students receiving veteran’s benefits or financial aid: those individuals must confer with the Director of Veterans Affairs or the Director of Student Financial Aid prior to initiating a withdrawal action.**

## **Tuition and Fees**

**Tuition and fee rates are subject to change at any time, subject to the approval of the Athens State University Board of Trustees.** The Athens State University website has information on current [tuition and fee rates](#).

Payment due dates for each semester or term can be found on the University website or in the [class schedule](#) for the semester or term.

### **In-State Tuition**

In-state tuition rates apply to all Alabama residents. According to state law, in-state tuition rates also apply to Tennessee residents in 9 south Tennessee counties: Bedford, Franklin, Giles, Lawrence, Lincoln, Marshall, Maury, Moore and Wayne. In compliance with 38 U.S.C. §3679 (c) and Public Law 114-315, in-state tuition rates also apply to students eligible for funding under the Choice Act (see the Veterans Affairs section of this catalog for details).

### **Out-of-State Tuition**

Out-of-state tuition rates apply to all non-Alabama residents and to those who reside outside the Tennessee counties listed above.

### **Distance Learning Tuition**

The Distance Learning tuition rate applies to all courses taught 100% online and listed as Distance Learning (DL-Online) courses, regardless of the residency status of the student.

### **Senior Adult Scholarship Program**

This program allows any non-degree seeking student 60 years or older (who meets standard admissions requirements) to audit Athens State courses. The senior student is eligible to receive a tuition waiver for Athens State courses in the amount of one-half the applicable tuition rate. **All other applicable tuition and fees must be paid by the student.** Registration in courses under this program is on a space available basis and requires registration during the late registration process. Students must enroll each semester with no lapse in enrollment in order to be eligible. Repeated courses are not eligible under this program.

## **Refunds**

Current information about refunds can be found in the [Refunds of Tuition and Fees](#) policy in the University Policy Library.

### **Refunds in Compliance With Federal Regulations**

The University complies with federal regulations relative to refund of tuition and other institutional charges and the return of funds for Title IV (financial aid) recipients (see below).

### **Refunds for Alabama National Guard Members and Reservists Called to Active Duty**

Students who are active members of the Alabama National Guard or reservists or who are active duty military who are called to active duty in the time of national crisis shall receive a full tuition refund at the time of withdrawal, if such student is unable to complete the term due to active duty orders or assignment to another location.

### **Federal Regulations on Return of Funds for Students Receiving Title IV Aid (Financial Aid)**

Title IV funds are awarded to students under the assumption that the student will attend school for the entire period for which the assistance is awarded. When a student fails to complete the term, the student may no longer be eligible for the full amount of Title IV funds he or she was scheduled to receive, and the institution and/or the student may be required to return funds according to federal regulations. For additional details, see the Student Financial Aid section of the catalog or the Financial Aid Regulations on the University website.

## **Returned Checks/Returned Automated Clearing House (ACH) Payments**

If a student's check is not paid on presentment or is dishonored, the student will be assessed a bad check fee. Athens State University may electronically debit or draft a student's account for this charge. Also, if a student's check is returned for insufficient or uncollected funds, the check may be electronically re-presented for payment. Returned checks cannot be re-deposited by the Office of Financial Affairs. After the second returned check, the Office of Financial Affairs will **not** accept a personal check for tuition and fees payment. Payment must be made using cash, money order, credit card, or cashier's check.

## **Holds on Grades or Transcripts**

A student failing to meet financial obligations to the University may have semester grade reports, transcripts, and all other academic transactions put on hold until the financial obligations are cleared through the Office of Financial Affairs. Such financial obligations may include: unpaid fees, overdue library books, damaged or unreturned University equipment, and unpaid student loans. A student may also be withdrawn from classes and not permitted to register until pending financial obligations have been cleared.

## **Student Financial Aid**

The Office of Student Financial Aid supports the University goal of providing postsecondary education opportunities by assisting qualified Athens State University students pursue their educational goals with funds from grants, scholarships, loans, and work-study programs from federal, state, and private sources. The Office is committed to:

- Ensuring compliance with federal, state and institutional regulations and policy requirements governing student financial aid services;
- Maintaining funding sources by ensuring program integrity through ongoing staff training and continuing education, external audits, and self-evaluations;
- Maximizing funds available for Athens State University students to meet their costs of attendance, supplementing the efforts of students and parents in meeting educational goals; and
- Providing quality financial assistance services effectively and efficiently.

For questions regarding financial aid, contact the Office of Student Financial Aid: (mail) Athens State University Office of Student Financial Aid, 300 North Beaty Street, Athens, AL 35611; (phone) 256-233-8122; (email) [finaid@athens.edu](mailto:finaid@athens.edu). Students may also visit the Financial Aid webpage at <http://www.athens.edu/financial-aid/>. The Student Financial Aid Office is located on the upper-level of the Sandridge Student Center.

### **Basic Steps for Applying for Aid**

**Students must apply for aid each academic year.** Additional details can be found on the Student Financial Aid webpage [Aid Process – Start to Finish](#).

#### **Apply for a U.S. Department of Education Federal Student Aid ID (FSA ID)**

Apply for an FSA ID at [www.fafsa.ed.gov](http://www.fafsa.ed.gov). Click the “FSA ID” link to create an FSA ID; you will be asked to create a username and password and enter your email address. You will receive a secure code by email at the address you entered asking you to confirm your email address with the code. The FSA ID will be your electronic signature for the FAFSA, renewal FAFSA, and Master Promissory Note for loans. Parents of dependent students must also have their own FSA ID to sign the FAFSA electronically.

#### **Apply for Federal Aid**

Apply for Federal Aid at [www.fafsa.ed.gov](http://www.fafsa.ed.gov). This application is required to determine a student’s eligibility for federal grant and loan programs. The results of this application are mailed to each student and electronically transmitted to each institution listed on the student’s application. **Athens State University’s School Code is 001008.**

#### **Apply for a Direct Student Loan**

Students requesting loan funding must also fulfill the one time **online** requirements of Entrance Counseling and the completion of a Master Promissory Note at [www.studentloans.gov](http://www.studentloans.gov). The Master Promissory note requires an Federal Student Aid ID (FSA ID) to complete. The Financial Aid Office receives direct electronic confirmation of the completion of these requirements.

### **Federal Requirements on Satisfactory Academic Progress (SAP) for Students Receiving Aid**

All undergraduate first-degree-seeking students must comply with the Federal Requirements for Satisfactory Academic Progress:

- The student must maintain an institutional GPA of at least 2.0.
- The student must successfully complete 67% of all Athens State coursework attempted. All grades of “W”, “I”, and “F” count as unsuccessful completions. When unsuccessful completions exceed 33% of all coursework attempted, financial aid will be suspended.
- The student must complete the requirements for the first bachelor’s degree within 150% of the usual time frame for degree completion. Athens State generally requires completion of 124 semester hours to earn a first undergraduate degree. Therefore, financial aid will be available for no more than 186 semester hours of credit.
- Students seeking an additional degree must complete the requirements within 130% of the time frame for the degree. An advisor’s plan of study is required to be on file in the Financial Aid Office for all students pursuing an additional degree. The student must follow this plan. Therefore, if the plan of study calls for an additional 66 hours of study, financial aid will be available for no more than 86 semester hours of credit beyond the first degree. The additional undergraduate degree must be one in which Athens State will award an additional degree. This may not be an additional major or minor, but must be for a new degree program. For example, if the student has a B.S. degree, the additional degree must be for a B.A. or B.S.Ed. to be eligible for additional financial aid. The student must maintain a 2.0 on all coursework beyond the most recent bachelor’s degree.
- Students seeking a state required teaching certification or certificate program must complete the requirements within 130% of the time frame for the certification. An advisor’s plan of study is required to be on file in the Office of Student Financial Aid for all students pursuing course work toward a certification. The student must follow this plan. Therefore, if the plan of study calls for an additional 24 hours of study, financial aid will be available for no more than 31 hours of credit. The student must maintain a 2.0 on all coursework beyond the most recent bachelor’s degree.

All accepted transfer work will be included in calculations of the number of hours eligible for financial aid. Noncredit remedial

courses are not included in the calculations. Repeated courses and courses for which the student has been granted academic bankruptcy or course forgiveness are included in the calculation of both attempted and earned hours. Students changing majors will not have additional time allowed for goal accomplishment. For financial aid purposes, students are considered to be on probationary status the first term of enrollment (see below).

Compliance with standards of academic progress is checked at the end of each term. Students not in compliance will have financial aid placed on a "WARNING" status for one semester. If at the end of the WARNING semester the student fails to regain compliance with SAP, the student will be placed on SUSPENDED status. Students are notified via their student email account of suspension and steps for appeal and/or reinstatement of aid.

### **Suspension of Financial Aid – Process for Student Appeal/Reinstatement**

**Please note:** The process detailed below is for appeals related to the suspension and reinstatement of financial aid.

Students who have also been suspended from the University for poor academic performance must file a **separate** appeal concerning the University suspension. Additional information on this process can be found in the [Standards of Academic Performance](#) policy.

Students on SUSPENDED status may submit an appeal for aid reinstatement due to extenuating circumstances. Student appeals **must** include a completed Federal Aid Suspension Appeal Form and supporting documentation, including:

- A typed explanation of:
  - Unusual or mitigating circumstances that you believe prevented or hindered you in making satisfactory academic progress; **AND**
  - What has changed and/or corrective actions and steps being taken to prevent future problems.
- Supporting documentation relevant to the circumstances and your request for reinstatement of aid (e.g., doctor's statements, hospital discharge records, death certificate, etc.).
- A complete updated plan of study provided by your academic advisor.
- **RECOMMENDED:** At least one letter of support from someone (**not a family member**) who can attest to the extenuating circumstances (e.g., medical doctor, clergy, professional, etc.).

The appeal documentation must be provided to the Office of Student Financial Aid **no later than 30 days prior to the tuition payment deadline for the upcoming semester**. Failure to provide all documentation within the prescribed dates will result in a delayed determination.

Once the Office of Student Financial Aid has made a decision on the student's appeal, the student will be notified of the decision via the student's Athens State email account. If the student's appeal is approved, the status will be changed to PROBATION, which may require that the student agree to certain conditions. Generally, PROBATION continues until the student has regained SAP, provided the student has no grades of "W", "I", or "F" while on PROBATION status. Failure to follow all conditions related to the PROBATION status will result in financial aid being terminated.

The student may appeal the decision of the Office of Student Financial Aid with an additional typed letter to the Financial Aid Committee. The Committee will review the appeal and notify of their decision via the student's Athens State email account. The committee reviews appeals once per semester/term, near the beginning of the term. Decisions of the committee are final.

If the student's appeal is denied or the student elects not to appeal, the student generally must self-pay to complete the hours necessary and achieve the grades required to return to compliance with SAP. Financial aid status will return to **GOOD STANDING** when the Office of Student Financial Aid makes a determination that the student meets all the terms of SAP. Additional details can be found on the Student Financial Aid webpage [Satisfactory Academic Progress](#).

## **Financial Aid Programs**

Additional information on aid programs can be found on the Student Financial Aid webpage [Types of Aid](#).

### **Federal Programs**

#### **Pell Grants**

This program is for students who have not earned a bachelor's degree or first professional degree. The actual size of a grant award will depend upon the family's financial situation, the amount of funds actually available for the program each year and the cost of education.

#### **Federal Supplemental Educational Opportunity Grant (FSEOG)**

This program provides grants to qualified applicants who demonstrate exceptional financial need. Pell Grant recipients who demonstrate the most financial need will be the first to get FSEOGs.

#### **Teacher Education Assistance for College and Higher Education (TEACH) Grant**

The TEACH Grant Program provides up to \$4,000 a year in grant aid to Athens State University undergraduate students pursuing certain majors. **Students pursuing an additional bachelor's degree or a post baccalaureate certification are not eligible for the**



**TEACH grant program.** Eligible students may not receive more than \$8,000 in total TEACH Grants at Athens State University. A student who receives a TEACH Grant must complete the required teaching service as specified in the conditions of the TEACH grant, or will be required to repay the grants as a Federal Direct Unsubsidized Loan with interest charged from the date of each TEACH Grant disbursement.

#### **Federal Work-Study Program**

This program is designed to help students pay for part or all of their educational expenses by working part-time on campus in coordination with their class schedules. This program is available on the basis of need as defined by the student's Pell Grant information. All requirements and conditions for employment under the Federal Work-Study Program are available in the Athens State University Career Development Center.

#### **Federal Direct Loan Programs**

**Direct Subsidized Loans** – provides students the opportunity to borrow funds for education costs at low interest rates. For students with a defined need, the federal government subsidizes the interest during the certain specified periods.

**Direct Unsubsidized Loans** – for students with no defined need the federal government provides loan funds with low interest rates, but does not subsidize the interest. Interest accrues to the student while enrolled in school.

**Direct PLUS Loans** – provides parents the opportunity to borrow funds for their dependent undergraduate student enrolled at least half time in an eligible program at an eligible school. PLUS loans **require an acceptable credit history**. Parents may borrow up to the cost of education less other financial aid offered to the student.

**Athens State University does not certify loans to or for students on academic probation or for students failing to meet satisfactory academic progress standards as outlined in the preceding section.**

#### **Eligibility Requirements for Federal Aid Programs**

- U. S. citizen or eligible non-citizen
- Registered with Selective Service (if required)
- Working toward a degree or certificate
- Making satisfactory academic progress
- Not owe a refund on a federal grant or be in default of a federal educational loan
- Demonstrate financial need via the application process
- Not receiving aid at more than one school during the same enrollment period

#### **State Programs**

##### **Alabama Assistance Grant Program**

This program is a State/Federal Aid Program designed to provide assistance to residents of the State of Alabama. The program is need based and offers awards based on the Pell need analysis to students with demonstrated “exceptional need.”

##### **TRA -- Trade Readjustment Allowance**

This program is a State Aid program designed to assist individuals who became unemployed as a result of increased imports to return to suitable employment. Students must be referred by a state employment office.

##### **WIA --Alabama Workforce Investment Act**

This program is a State/Federal Aid program designed to prepare youth and unskilled adults for entry into the labor market and to provide dislocated workers with retraining opportunities that will facilitate their re-entry into the labor market. Students must be referred by a state employment office.

#### **Federal Regulations on Return of Funds for Students Receiving Title IV Aid (Financial Aid)**

The federal regulations in effect at the time of publication of this catalog are given below. Regulations are subject to change; for additional details, see the [Financial Aid Regulations](#) on the University website.

Title IV funds are awarded to students under the assumption that the student will attend school for the entire period for which the assistance is awarded. When a student fails to complete the term, the student may no longer be eligible for the full amount of Title IV funds he or she was scheduled to receive, and the institution and/or the student may be required to return funds according to federal regulations.

The Title IV programs included in these regulations are Pell Grants, Federal Supplemental Education Opportunity Grants (FSEOG), TEACH Grants, and Federal Direct Loans. Federal Work-Study funds are not included.

Federal refund regulations require Athens State University to determine the amount of aid “earned” by each student receiving Title IV funds who withdraws from all classes prior to the 60% point in the term. A student completing 60% of the term is considered to



have “earned” 100% of the Title IV funds the student was scheduled to receive during the period.

Any student earning a passing grade in at least one course for the term are not subject to the federal Return to Title IV Funds regulations. **Students are strongly encouraged to consult the Office of Student Financial Aid prior to withdrawing or dropping out of the term.**

Calculations are based on the student’s official withdrawal date. For unofficial withdrawals, calculations are based on the last date of an academically related activity that the student participated in, the mid-point of the term, or the date the school determines the student ceased attendance due to illness, accident, grievous personal loss or other circumstances beyond the student’s control. Unofficial withdrawals dates are determined by the faculty, identifying the last date of activity for courses where a student earned an ‘F’, ‘I’, or ‘W’.

The withdrawal date must be determined within 30 days of the end of the term, academic year or student’s program, whichever is earlier.

The institution must return the amount of Title IV funds for which it is responsible no later than 45 days after the date of the determination of the date of the student’s withdrawal. Athens State University offers all degree programs in a credit hour, term based format. As a credit hour, term based degree program, the following formula is used to compute aid to be returned:

$(\text{Days Enrolled} / \text{Days in Term}) \times \text{Title IV Aid Awarded and Disbursed} = \text{Aid Earned}$   
(Any break of five days or more is not counted in the days in the term)

$\text{Aid Disbursed} - \text{Aid Earned} = \text{Aid to be Returned}$

#### **Order of Funds to Return**

- Federal Direct Loans
- Federal Pell Grant
- Federal TEACH Grant
- Federal Supplemental Education Opportunity Grant (FSEOG)

If a student earned less aid than was disbursed, the institution would be required to return a portion of the funds and the student would be required to return a portion of the funds. **When Title IV funds are returned, the student borrower will owe a debit balance to the institution.**

If a student earned more aid than was disbursed, the institution will owe the student a post-withdrawal disbursement, to be paid within 120 days of the student’s withdrawal.

### **Responsibilities of Students Receiving Financial Aid**

A student receiving financial aid has the responsibility to:

- Review and consider all information about a school’s program BEFORE enrolling.
- Pay special attention to the application for student financial aid, complete it accurately, and submit it on time to the appropriate person, office or agency. Errors can delay or prevent receiving aid.
- Know all the deadlines for applying or reapplying for aid and meet them.
- Provide all documentation, corrections, and/or new information requested by either the Student Financial Aid Office or the agency to which the application was submitted.
- Notify the University of any information that has changed since an application was submitted for financial aid.
- Read, understand, and keep copies of all forms requiring signature(s).
- Repay any student loans. When a student signs a promissory note, the student is agreeing to repay the loan.
- Complete an entrance and exit interview for the University if the student has a Federal Direct Student Loan.
- Notify the University of any change in name, address, or attendance status. **If a student has a loan, the lender must also be notified of any changes.**
- Satisfactorily perform the work agreed upon, if the student is employed in a federal work-study job.
- Understand the University’s refund policy as specified in this catalog.

### **Rights of Students Receiving Financial Aid**

A student has the right to ask the University:

- For the names of the University’s accrediting and licensing organizations.
- For a copy of the documents describing the institution’s accreditation or licensing.
- About the University’s programs, instructional, laboratory, and other physical facilities, and about the faculty.
- About the cost of attending, and about the University’s policy on refunds to students who drop out.
- About the types of financial assistance that are available, including information on all federal, state, local, private and institutional financial aid programs.
- About financial aid personnel, where their offices are located, and how to contact them for information.

- About the procedures and deadlines for submitting applications for each available financial aid program.
- How the University determines financial need, including cost of education and resources available.
- How much of one's need, as determined by the University, had been met.
- How and when financial aid is received.
- To explain each type and amount of assistance in the financial aid package.
- About the interest rate on any student loan, the total amount to be repaid, the length of time for repayment and when repayment must start, and what cancellation or deferment provisions apply.
- If offered a federal work-study job— about the kind of job, the hours to be worked, the duties of the job, the rate of pay, and how and when wages are paid.
- To reconsider an aid package, if a student believes a mistake has been made, or if enrollment or financial circumstances have changed.
- About the requirements for satisfactory academic progress, and the consequences of unsatisfactory progress.
- About the special facilities and services that are available to persons with disabilities.

## **Veterans Affairs [Please also see catalog addendum August 2017]**

The veterans educational assistance programs and services at Athens State University are based on the rules, regulations, policies and procedures of the U.S. Department of Veterans Affairs (VA) and as such are subject to change without notice.

Athens State University is a participating member in the Principles of Excellence Program. Educational institutions participating in the Principles of Excellence program agree to the following guidelines:

- Provide students with a personalized form covering the total cost of an education program.
- Provide educational plans for all military and Veteran education beneficiaries.
- End fraudulent and aggressive recruiting techniques and misrepresentations.
- Accommodate Service members and Reservists absent due to service requirements.
- Designate a point of contact to provide academic and financial advice.
- Ensure accreditation of all new programs prior to enrolling students.
- Align institutional refund policies with those under Title IV, which governs the administration of federal student financial aid programs.

For questions regarding veterans programs, contact the Office of Veterans Affairs: (mail) Athens State University, Office of Veterans Affairs, 300 North Beaty Street, Athens, AL 35611; (phone) 256-233-8271; (email) [carolyn.carthen@athens.edu](mailto:carolyn.carthen@athens.edu). Students may also visit the Veterans Affairs webpage at <http://www.athens.edu/veterans-affairs/>. The Veterans Affairs Office is located on the lower-level of the Sandridge Student Center.

### **Veterans Educational Assistance Programs**

- Montgomery G.I. Bill - Active Duty Educational Assistance Program (Chapter 30 of Title 38, U. S. Code)
- Montgomery G.I. Bill - Selective Reserve Educational Assistant Program (Chapter 1606, formerly Chapter 106, of Title 10, U.S. Code)
- Post 9/11 GI Bill - Chapter 33
- Vocational Rehabilitation - Chapter 31: This program provides educational assistance to disabled veterans who are in need of vocational rehabilitation. To be eligible a veteran must have a service-connected disability entitling him/her to these benefits. An award authorization must be received by the Office of Veterans Affairs before benefits can be used.
- Survivors and Dependents Educational Assistance Program (Chapter 35 of Title 38, U. S. Code): Paperwork for state benefits (tuition, fees, books) should be processed through the Athens State Business Office. Federal benefits (monthly checks) should be processed through the Office of Veterans Affairs.
- Reserve Educational Assistance Program (REAP) - (Chapter 1607)
- Fry Scholarship - a provision of the Post 9/11 GI Bill

### **Selection of Major or Program**

In consultation with a Transfer Student Success Center counselor or an academic advisor, each veteran or eligible dependent student must select and plan a program in accordance with the Athens State University catalog. Assistance in determining a course of study or a change of program will be furnished by the Office of Veterans Affairs in consultation with the appropriate academic advisor.

### **Prior Credit Evaluation Requirements**

Athens State University is required by the Department of Veteran Affairs to obtain a written record of the previous education and training completed by veterans and other eligible persons receiving VA benefits. Students are required to submit official transcripts of courses and training prior to the end of their second term of enrollment at Athens State University. The Athens State University Office of Veterans Affairs will not submit certification for VA educational funding after the second term if all transcripts have not been received, evaluated and applied appropriately.

Certification of enrollment by the Office of Veterans Affairs prior to evaluating all prior credit could result in VA overpayment to the school and student. Any overpayment created through non-compliance with veteran policies is subject to repayment, and such overpayment can cause a delay in the payment of further benefits.

Veteran students are not allowed to receive VA Educational benefits for courses in which they have earned credit or that are not required for their degree or program. Veteran students are not allowed to repeat courses in which they have a passing grade unless a higher grade is required to pursue their course of study.

### **Repeated Courses for Veterans Receiving Educational Benefits**

If a veteran student fails a required course, the student may receive payment for repeating that course. However, according to VA regulations, the student cannot repeat a course just to improve a passing grade and still receive payment for that course. (See also Repeated Courses in the Academic Policies section of the catalog.)

### **Standards of Academic Performance**

Veterans or other eligible students receiving VA benefits are subject to the same standards of academic performance and conduct as are other University students. For additional information, see the Academic Policies section of the catalog.

### **Withdrawal Requirements**

In addition to following the University's policy [Withdrawal from Courses](#), students who receive veterans benefits must notify the Office of Veterans Affairs when withdrawing from a course or when dropping or adding courses during registration periods. Each withdrawal or drop resulting in a reduction in the course load must show the effective date of the change and the reason for the change.

### **Choice Act**

In accordance with Section 702 of the Choice Act, the following individuals shall be charged the in-state/in-district rate, or otherwise considered a resident, for tuition purposes:

- A Veteran using educational assistance under either chapter 30 (Montgomery G.I. Bill – Active Duty Program) or chapter 33 (Post 9/11 G.I. Bill), of title 38, United States Code, who lives in the State of Alabama while attending a school located in the State of Alabama (regardless of his/her formal State of residence) and enrolls in the school within three years of discharge from a period of active duty service of 90 days or more.
- Anyone using transferred Post – 9/11 G.I. Bill benefits (38 U.S.C. § 3319) who lives in the State of Alabama while attending a school located in the State of Alabama (regardless of his/her formal State of residence) and enrolls in the school within three years of the transferor's discharge from a period of active duty service of 90 days or more.
- A spouse or child using benefits under the Marine Gunnery Sergeant John David Fry Scholarship (38 U.S.C. § 3311 (b) (9)) who lives in the State of Alabama while attending a school located in the State of Alabama (regardless of his/her formal State of residence) and enrolls in the school within three years of the Service member's death in the line of duty following a period of active duty service of 90 days or more.
- Anyone described above while he or she remains continuously enrolled (other than during regularly scheduled breaks between courses, semesters, or terms) at the same school. The person so described must have enrolled in the school prior to the expiration of the three-year period following discharge or death described above and must be using educational benefits under either chapter 30 or chapter 33, of title 38, United States Code.

### **Payments to Students Receiving Veteran Benefits**

#### **Receipt of Checks**

A student who completes an Application for Education Benefits or Change of Place of Training Form at the beginning of the semester should expect a VA processing period of about 6 weeks. If the estimated time has elapsed, the student should contact the Office of Veterans Affairs immediately and, if the case warrants, an inquiry will be made to the Regional Office.

#### **Payment**

Athens State University does not participate in the advance payment plan for veterans or eligible dependents; therefore, tuition and fees must be paid in full by the published payment date. Veteran students receiving Vocational Rehabilitation are eligible to register without payment of tuition and fees providing that an award authorization from the VA Vocational Rehabilitation office has been received prior to the payment due date for the semester. Post 9/11 veteran students must provide a letter from the Department of Veterans Affairs showing the percentage for which he or she is eligible; this percentage will determine if the student will need to pay any tuition and/or fees.

#### **Overpayments**

Each veteran or dependent receiving benefits should be aware that it is his or her responsibility to comply strictly with the policies and procedures which govern the receipt of educational benefits. Any overpayment created through non-compliance with veteran policies is subject to repayment, and such overpayment can cause a delay in the payment of further benefits.

## **Responsibilities of Students Receiving Veterans Benefits**

It is the responsibility of veterans and dependents receiving VA benefits to notify the Office of Veterans Affairs via email of the following:

- Catalog changes
- Change of address
- Changes in enrollment or class schedule (including drops and/or adds, withdrawals)
- Change of major or program
- Course substitution (approval must be obtained prior to enrolling in the course)
- Enrollment/class schedule for each semester or term, including any enrollment at other institutions as a Visiting or Transient student while attending Athens State University
- Projected graduation date
- Veterans educational benefits eligibility changes

## **Services for Students with Disabilities**

Disability Services (DS) is the central contact point for Athens State students with disabilities. The goal of DS is to ensure that University programs and services are accessible to qualified students with disabilities. DS works with faculty and other members of the University community to provide individualized academic accommodations and support services while promoting student responsibility and self-advocacy.

It is the student's responsibility to self-disclose their disability, provide adequate documentation (if required), and to request academic accommodations/services from Disability Services.

For questions regarding services for students with disabilities, contact Disability Services: (mail) Athens State University, Disability Services, 300 North Beaty Street, Athens, AL 35611; (phone) 256-233-8143; (email) [disability.services@athens.edu](mailto:disability.services@athens.edu). Students may also visit the Disability Services webpage at <http://www.athens.edu/disability-services>. Disability Services is located on the upper-level of the Sandridge Student Center.

## **Adult Degree Program (ADP)**

The mission of the Adult Degree Program (ADP) at Athens State University is to serve the adult working student who has completed some college coursework without completing a baccalaureate degree. To encourage student success the ADP is designed to reduce or eliminate barriers for returning adult students while providing academically sound alternative methods to apply knowledge gained from the integration of work and classroom experience and to assist the student in the timely achievement of their professional and career goals.

The ADP program is an acknowledgement of the philosophy that it is a valid educational practice to recognize and award academic credit for various types of learning attained outside the institution. Such learning may have been acquired through certain educational programs conducted by government, business and industry, the military, and other non-collegiate organizations. In addition, non-traditional academic credit may be awarded for acceptable work experience, and/or technical training, using a method for documenting and evaluating this non-traditional activity known as Prior Learning Assessment.

For questions regarding the Adult Degree Program, contact: (mail) Athens State University, Adult Degree Program, 300 North Beaty Street, Athens, AL 35611; (phone) 256-233-8281; (email) [felicia.mucci@athens.edu](mailto:felicia.mucci@athens.edu). Students may also visit the ADP webpage at <http://www.athens.edu/adp>. Offices for the Adult Degree Program are located in Chasteen Hall at the corner of Hobbs and Clinton Streets.

## **Career Development Center**

The Career Development Center provides assistance to Athens State students and alumni in career planning, development and job seeking strategies. The Center serves as a major link between students/alumni and potential employers. The Center can assist students in identifying and fulfilling their future goals and aspirations, and students can receive support in creating professional documents (resumes, cover letters, and social media profiles) and learning effective interview and job search techniques. The Center offers a variety of opportunities for students to meet with hiring employers and graduate school recruiters at career fairs, employer workshops, information sessions, and at campus recruiting events.

**Athenian Jobs** is the Athens State online resource for connecting students with employers. This resource provides access to job openings and leads, mock interview practice modules, and information about upcoming career events. To register for **Athenian Jobs** and services, visit the Center webpage at <http://www.athens.edu/career-development-center/> or call 256-233-8140.

## **University Testing Center**

The University Testing Center strives to promote the mission of the University by providing consistent, confidential, and quality educational testing services. The Center offers a variety of exam options including web-based educational, certification, assessment, pre-employment and licensure testing programs. The University Testing Center is certified by the National College Testing Association (NCTA) and adheres to their Professional Standards and Guidelines for Post-Secondary Test Centers. The Center promotes candidate academic advancement by:

- Providing professional testing services that meet the needs of all university stakeholders and reflect positively on the institution.
- Maintaining a testing center that is quiet, has controlled access, and offers appropriate lighting, temperature, and noise restrictions.
- Providing a professional and knowledgeable test center staff that is committed to ensuring that candidates receive informative answers, courteous encounters, and consistent exam experiences.
- Providing superior customer service that meets candidate needs through polite and professional responses and services.

For questions regarding testing, contact the University Testing Center (256-233-6540 or [testcenter@athens.edu](mailto:testcenter@athens.edu)). Candidates may also obtain information from the University Testing Center webpage at <http://www.athens.edu/testing>. The University Testing Center is located in Chasteen Hall at the corner of Hobbs and Clinton Streets.

# College of Arts and Sciences

**Ronald H. Fritze, Ph. D. – Dean**

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

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

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

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

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

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

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

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

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

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

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

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

## Distance Education

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

## Interdisciplinary Programs

### Pre-Law Program

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

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

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

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

### Pre-Health Programs

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

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

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

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



## Degree Programs in the College of Arts and Sciences

### General University Requirements for Graduation

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

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

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

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

## ART (AR)

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

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

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

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

#### Applicable General University Requirements

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

#### General Education Requirements

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

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

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

**Professional Course Requirements**

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

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

The Art major must complete a minimum of 45 semester hours of art coursework, at least 15 semester hours of which must be taken at Athens State University. At least 18 hours of coursework in the major must be upper-division coursework (300/400 level). All students will be required to exhibit their work on campus during their final term before graduation.

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

**General Electives**

	Elective hours as needed to meet minimum 124 hour requirement and all other general University requirements	<b>25</b>
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		<b>Hours</b>
	<b>Total Minimum Hours Required for Completion of Art Major – Computer Graphics Option</b>	<b>124</b>

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

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

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

### **Applicable General University Requirements**

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

### **General Education Requirements**

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

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

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

### Professional Course Requirements

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

The Art major must complete a minimum of 45 semester hours of art coursework, at least 15 semester hours of which must be taken at Athens State University. At least 18 hours of coursework in the major must be upper-division coursework (300/400 level). All students will be required to exhibit their work on campus during their final term before graduation.

### Minor (Required)

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

### General Electives

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

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

## Bachelor of Arts - Art Major

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

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

### Applicable General University Requirements

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

### General Education Requirements

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

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

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

### **Professional Course Requirements**

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

### **Minor (Required)**

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

### **General Electives**

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

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

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

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

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

### **Applicable General University Requirements**

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

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

### **General Education Requirements**

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

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

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



### Teaching Field Course Requirements

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

### Professional Studies Course Requirements (Education Minor)

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

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

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

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

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

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

**General Electives**

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

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

## BEHAVIORAL SCIENCE

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

### Bachelor of Science - Behavioral Science Major

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

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

#### Applicable General University Requirements

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

#### General Education Requirements

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

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

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

**Professional Course Requirements**

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

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

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

**A minor is not required.**

**General Electives**

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

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

## BIOLOGY (BI)

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

### Bachelor of Science - Biology Major

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

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

#### Applicable General University Requirements

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

#### General Education Requirements

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

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

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

## Professional Course Requirements

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

The Biology major must complete at least 15 semester hours of upper division biology coursework at Athens State University. The major who plans to attend graduate, medical, or other professional (e.g., veterinary, chiropractic, optometry, pharmacy) school, or who seeks special licensure or certification (e.g., physical therapist, wildlife biologist) should determine the specific recommendations or requirements of the particular school, licensing or certifying agency for science and mathematics coursework and complete the recommended or required coursework. A program of study tailored to meet specific recommendations and/or requirements for science and mathematics coursework then will be developed for the major in consultation with the faculty advisor. The following courses or their equivalents are frequently recommended or required: Calculus I, II (MA 303, 304); Organic Chemistry (CH 311, 312); and Biochemistry (BI 409 or CH 409).

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

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

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

## Minor (Required)

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

## General Electives

Elective hours as needed to meet minimum 124 hour requirement and all other general University requirements	<b>10-12</b>
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	<b>Hours</b>
<b>Total Minimum Hours Required for Completion of Biology Major</b>	<b>124</b>

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

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

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

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

### **Applicable General University Requirements**

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

### **General Education Requirements**

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

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

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

### Professional Course Requirements

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

### Bioinformatics Option Course Requirements

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

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

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

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

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

A minor is not required.

### General Electives

	Elective hours as needed to meet minimum 124 hour requirement and all other general University requirements	3-9
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	Hours
<b>Total Minimum Hours Required for Completion of Biology Major – Bioinformatics Option</b>	<b>124</b>



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

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

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

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

### **Applicable General University Requirements**

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

### **General Education Requirements**

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

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

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

### Professional Course Requirements

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

### Cellular and Developmental Option Course Requirements

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

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

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

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

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

### **Minor (Required)**

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

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

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

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

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

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

### **Applicable General University Requirements**

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

### **General Education Requirements**

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

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

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

### Professional Course Requirements

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

### Ecology and Organismal Option Course Requirements

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

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

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

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

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

### Minor (Required)

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

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

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

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

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

### Applicable General University Requirements

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

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

### General Education Requirements

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

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

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

### Teaching Field Course Requirements

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

### Professional Studies Course Requirements (Education Minor)

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

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

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

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

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

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

**General Electives**

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

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

## Marine Environmental Sciences Consortium

Athens State University is a member of the Marine Environmental Sciences Consortium (MESC), based at Dauphin Island, Alabama. This affiliation offers Athens State University students an opportunity to take courses and conduct research in estuarine and marine environments. Courses offered during the summer at Dauphin Island Sea Lab may be taken for credit at Athens State University toward a major or minor in biology or a minor in marine science. All programs of study that involve marine science courses must be approved by the MESC liaison. A Dauphin Island Sea Lab Information Bulletin listing summer school course offerings can be obtained early in the spring semester from an Athens State faculty member in Biology. Active courses of undergraduate instruction sponsored by the MESC include the following:

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



## CHEMISTRY (CH)

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

### Bachelor of Science - Chemistry Major

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

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

#### Applicable General University Requirements

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

#### General Education Requirements

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

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

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

### Professional Course Requirements

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

The chemistry major must complete a minimum of 24 semester hours of upper division 300/400 level chemistry coursework at Athens State University. For those students who plan to attend graduate, medical, or other professional school, the following courses are recommended: CH 409 Biochemistry; MA 321 Differential Equations.

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

**A minor is not required.**

### General Electives

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

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

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

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

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

### Applicable General University Requirements

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

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

### General Education Requirements

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

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

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

## Teaching Field Course Requirements

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

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

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

## Professional Studies Course Requirements (Education Minor)

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

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

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

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

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

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

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

**General Electives**

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

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

## COMPUTER SCIENCE (CS)

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

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

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

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

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

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

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

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

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

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

## Bachelor of Science - Computer Science Major

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

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

### Applicable General University Requirements

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

### General Education Requirements

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

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

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

## Professional Course Requirements

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

## Additional Program Requirements

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

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

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



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

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

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

A minor is not required.

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

## CRIMINAL JUSTICE (CJ)

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

### Bachelor of Science – Criminal Justice Major

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

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

#### Applicable General University Requirements

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

#### General Education Requirements

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

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

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

**Professional Course Requirements**

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

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

**A minor is not required.**

**General Electives**

	Elective hours as needed to meet minimum 124 hour requirement and all other general University requirements	<b>30</b>
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		<b>Hours</b>
	<b>Total Minimum Hours Required for Completion of Criminal Justice Major</b>	<b>124</b>

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

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

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

### Applicable General University Requirements

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

### General Education Requirements

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

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

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

**Professional Course Requirements**

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

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

A minor is not required.

**General Electives**

	Elective hours as needed to meet minimum 124 hour requirement and all other general University requirements (CJ/PO/PSHA 350 Introduction to the American Legal System and CJ/PO/PSHA 455 Ethics in the Public Sector are recommended)	<b>26</b>
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		<b>Hours</b>
	<b>Total Minimum Hours Required for Completion of Criminal Justice Major – Juvenile Justice Studies Option</b>	<b>124</b>

## DRAMA AND THEATRE ARTS

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

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

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

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

#### Applicable General University Requirements

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

#### General Education Requirements

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

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

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

**Professional Course Requirements**

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

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

**Minor (Required)**

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

**General Electives**

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

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

## ENGLISH (EH)

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

### Bachelor of Arts – English Major

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

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

#### Applicable General University Requirements

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

#### General Education Requirements

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

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

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



**Professional Course Requirements**

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

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

**Minor (Required)**

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

**General Electives**

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

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

## Bachelor of Arts – English/Language Arts Major

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

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

### Applicable General University Requirements

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

### General Education Requirements

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

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

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

### **Professional Course Requirements**

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

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

### **Minor (Required)**

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

### **General Electives**

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

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

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

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

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

### Applicable General University Requirements

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

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

### General Education Requirements

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

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

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

### Teaching Field Course Requirements

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

### Professional Studies Course Requirements (Education Minor)

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

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

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

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

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

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

**General Electives**

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

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

## HEALTH SCIENCE (HS)

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

### Bachelor of Science - Health Science Major

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

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

#### Applicable General University Requirements

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

#### General Education Requirements

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

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

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

### **Professional Course Requirements**

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

A minor is not required.

### **General Electives**

	Elective hours as needed to meet minimum 124 hour requirement and all other general University requirements	<b>28</b>
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		<b>Hours</b>
	<b>Total Minimum Hours Required for Completion of Health Science Major</b>	<b>124</b>



## HEALTH AND WELLNESS MANAGEMENT (HWM)

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

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

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

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

#### Applicable General University Requirements

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

#### General Education Requirements

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

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

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

### **Professional Course Requirements**

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

A minor is not required.

### **General Electives**

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

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

## HISTORY (HY)

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

### Bachelor of Arts - History Major

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

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

#### Applicable General University Requirements

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

#### General Education Requirements

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

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

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

### **Professional Course Requirements**

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

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

### **Minor (Required)**

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

### **General Electives**

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

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

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

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

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

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

### **Applicable General University Requirements**

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

### **General Education Requirements**

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

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

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

### **Professional Course Requirements**

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

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

### **Minor (Required)**

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

### **General Electives**

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

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

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

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

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

### **Applicable General University Requirements**

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

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

### **General Education Requirements**

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

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

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

## Teaching Field Course Requirements

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

## Professional Studies Course Requirements (Education Minor)

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

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

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

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

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

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



**General Electives**

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

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

## **INFORMATION TECHNOLOGY (ITE)**

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

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

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

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

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

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

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

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

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

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

## Bachelor of Science – Information Technology Major

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

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

### Applicable General University Requirements

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

### General Education Requirements

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

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

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

## Professional Course Requirements

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

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

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

### **Minor (Required)**

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

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

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

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

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

### Applicable General University Requirements

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

### General Education Requirements

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

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

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

## Professional Course Requirements

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

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

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

A minor is not required.

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

## **LIBERAL STUDIES**

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

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

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

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

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

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

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

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

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

#### **General Education Requirements**

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

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

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

**Professional Course Requirements**

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

**General Electives**

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

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



## MATHEMATICS (MA)

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

### Bachelor of Science - Mathematics Major

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

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

#### Applicable General University Requirements

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

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

#### General Education Requirements

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

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

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

## Professional Course Requirements

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

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

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

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

### **General Electives**

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

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

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

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

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

### **Applicable General University Requirements**

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

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

### **General Education Requirements**

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

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

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

## Teaching Field Course Requirements

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

## Professional Studies Course Requirements (Education Minor)

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

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

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

documentation is evaluated.

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

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

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

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

### General Electives

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

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

## POLITICAL SCIENCE (PO)

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

### Bachelor of Arts - Political Science Major

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

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

#### Applicable General University Requirements

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

#### General Education Requirements

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

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

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

### **Professional Course Requirements**

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

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

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

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

### **General Electives**

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

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

## Bachelor of Science - Political Science Major

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

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

### Applicable General University Requirements

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

### General Education Requirements

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

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

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



### **Professional Course Requirements**

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

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

**A minor is not required.**

### **General Electives**

	Elective hours as needed to meet minimum 124 hour requirement and all other general University requirements	<b>36</b>
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		<b>Hours</b>
	<b>Total Minimum Hours Required for Completion of Political Science Major</b>	<b>124</b>

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

### **Option**

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

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

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

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

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

#### **General Education Requirements**

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

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

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

### **Professional Course Requirements**

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

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

A minor is not required.

### **General Electives**

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

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

## PSYCHOLOGY (PS)

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

### Bachelor of Arts - Psychology Major

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

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

#### Applicable General University Requirements

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

#### General Education Requirements

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

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

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

**Professional Course Requirements**

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

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

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

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

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

**General Electives**

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

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

## Bachelor of Science - Psychology Major

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

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

### Applicable General University Requirements

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

### General Education Requirements

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

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

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

### Professional Course Requirements

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

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

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

**A minor is not required.**

### General Electives

	Elective hours as needed to meet minimum 124 hour requirement and all other general University requirements	37

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

## PUBLIC SAFETY AND HEALTH ADMINISTRATION (PSHA)

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

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

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

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

#### Applicable General University Requirements

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

#### General Education Requirements

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

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

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



**Professional Course Requirements**

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

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

A minor is not required.

**General Electives**

	Elective hours as needed to meet minimum 124 hour requirement and all other general University requirements	<b>20</b>
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		<b>Hours</b>
	<b>Total Minimum Hours Required for Completion of Public Safety and Health Administration Major</b>	<b>124</b>

## RELIGION (RE)

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

### Bachelor of Arts - Religion Major

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

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

#### Applicable General University Requirements

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

#### General Education Requirements

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

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

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

**Professional Course Requirements**

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

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

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

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

**General Electives**

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

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

## SOCIAL SCIENCE (SS)

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

### Bachelor of Science - Social Science Major

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

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

#### Applicable General University Requirements

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

#### General Education Requirements

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

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

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

### **Professional Course Requirements**

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

A minor is not required.

### **General Electives**

	Elective hours as needed to meet minimum 124 hour requirement and all other general University requirements	<b>25</b>
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		<b>Hours</b>
	<b>Total Minimum Hours Required for Completion of Social Science Major</b>	<b>124</b>

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

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

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

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

### **Applicable General University Requirements**

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

### **General Education Requirements**

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

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

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

### **Professional Course Requirements**

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

A minor is not required.

### **General Electives**

	Elective hours as needed to meet minimum 124 hour requirement and all other general University requirements	<b>25</b>
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		<b>Hours</b>
	<b>Total Minimum Hours Required for Completion of Social Science Major – Public History Option</b>	<b>124</b>

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

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

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

### **Applicable General University Requirements**

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

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

### **General Education Requirements**

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

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

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



## Teaching Field Course Requirements

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

## Professional Studies Course Requirements (Education Minor)

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

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

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

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

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

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

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

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

## SOCIOLOGY (SO)

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

### Bachelor of Arts - Sociology Major

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

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

#### Applicable General University Requirements

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

#### General Education Requirements

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

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

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

**Professional Course Requirements**

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

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

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

**Minor (Required)**

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

**General Electives**

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

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

## Bachelor of Science - Sociology Major

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

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

### Applicable General University Requirements

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

### General Education Requirements

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

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

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

### **Professional Course Requirements**

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

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

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

**A minor is not required.**

### **General Electives**

	Elective hours as needed to meet minimum 124 hour requirement and all other general University requirements	<b>40</b>
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		<b>Hours</b>
	<b>Total Minimum Hours Required for Completion of Sociology Major</b>	<b>124</b>

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

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

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

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

# College of Business

**Kim LaFevor, D.B.A. – Dean**

Athens State University’s College of Business is nationally accredited by the Accreditation Council for Business Schools and Programs (ACBSP), 11520 West 119<sup>th</sup> Street, Overland Park, KS 66213.

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

<b>Program Name</b>	<b>Degree(s) Available</b>	<b>Minor Available</b>	<b>Certificate Available</b>
Accounting	BS	Yes	
Accounting with Minor	BS		
Acquisition and Contract Management	BS	Yes	Yes
Aviation Management		Yes	Yes
Business Administration (open to non-business majors <b>only</b> )		Yes	
Enterprise Systems Management		Yes	
Finance		Yes	
Forensic Accounting		Yes	
Health Care Management		Yes	
Human Resource Management	BS	Yes	
Information Assurance	BS	Yes	
Information Systems Management		Yes	
International Business		Yes	
Logistics and Supply Chain Management	BS	Yes	Yes
Management	BS		
Management with Minor	BS		
Management of Technology	BS		Yes
Management of Technology with Minor	BS		
Marketing		Yes	Yes
Operations Management		Yes	
Project Management		Yes	Yes
SAP Certificate			Yes
Small Business/Entrepreneurship ( <b>not</b> open to Accounting with Minor majors)		Yes	
Tailored Business Minor (open to business majors <b>only</b> )		Yes	



## **College of Business – General Information**

The mission of the College of Business is to offer programs of study to students that will prepare them for positions in business, finance, or government; enhance the professional development of those already employed; and provide an academic framework for graduate study leading to professional positions. The purpose of the College of Business is to provide quality education for all students, teaching them to think critically, to use technology efficiently, to be effective leaders, decision makers, and communicators; to maintain ethical standards, and to understand the global economy. To carry out its mission and support its purpose, the College of Business has established the following goals:

- Provide for continuous improvement of the programs within the College of Business in keeping with the standards set by Athens State University, the Southern Association of Colleges and Schools Commission on Colleges (SACSCOC), and the Accreditation Council of Business Schools and Programs (ACBSP).
- Place excellence in teaching as the number one priority for serving students and for evaluating faculty.
- Encourage growth and diversity in the faculty and student body.
- Seek community and business relationships for advice and support of student and curriculum needs.
- Maintain cooperative relationships with other educational institutions to facilitate student transfer, maximize resource utilization and provide quality programs.
- Support a quality-based, equivalent learning environment for all students in all settings.
- Produce graduates who will be academically and professionally prepared by the quality teaching programs of the College of Business for work in an increasingly diverse, global environment.

Athens State University, through its College of Business, is nationally accredited by the Accreditation Council of Business Schools and Programs to offer the Bachelor of Science (B.S.) degree with majors in accounting, acquisition and contract management, human resource management, information assurance, logistics and supply chain management, management, and management of technology. The College of Business curriculum complies with the Common Professional Component (CPC) recommended by the ACBSP. Instruction offered by the College of Business is designed to assist in the preparation of competent and effective professionals in the areas of accounting and management. Students completing a degree program offered by the College of Business will possess the following skills and competencies:

- Demonstrated knowledge of core business concepts, theories and applications in the areas of accounting, finance, management, marketing, management information systems, global business, strategic management, and production.
- Demonstrated proficiency in the use of technology as it relates to business.
- Demonstrated ability to effectively apply critical-thinking skills to analyze business issues and financial data.
- Demonstrated knowledge of the global economy including an appreciation of diversity as it relates to business.
- Demonstrated ability to effectively communicate orally and in writing.
- Demonstrated understanding and appreciation of ethical issues as it relates to business.
- Demonstrated understanding and ability to use effective managerial, leadership and group interaction techniques.

### **Distance Education**

All College of Business majors are available online. All professional coursework for these majors may be completed via distance learning. However, if students have not completed all general education and pre-professional course requirements, the University cannot guarantee that all courses will be available in online formats. For further information regarding distance education, refer to the Academic Policies section in the Introduction and General Information portion of the catalog or the University website.

### **Assessment (Pre- and Post-Testing)**

The College of Business, as a part of its continuous evaluation process, has implemented a program to assess the business knowledge levels of incoming students. This will be accomplished through a pre-test to be administered in a required course, MG 320 Organizational Communication. This course should be taken during a student's first term at Athens State University. New students who have previously completed an equivalent business communication course will take the pre-test in GBA 300 Business Research Skills, a 1-semester hour course designed to familiarize students with business information sources and library research skills (*this course is required for students who do not complete MG 320 at Athens State*). A post-test will be administered in the capstone course, MG 420 Business Policy, which should be taken during a student's last term. In addition to the pre- and post-assessment related to knowledge of the core professional courses, business majors will also take a pre- and post-assessment designed to measure knowledge related to their specific major(s).

**LiveText** is a software platform used for creating an electronic portfolio, and is required in all "core" business courses (AC/MG 302, MG 320/GBA 300, MG 346, MG 350, MG 352, MG 390, MG 420, MG 480, and MK 331). Specified work in these courses will be placed in this portfolio and will be used in assessing student progress. This program will also provide students a digital professional development resource and a workspace for building and maintaining an online personal portfolio reflecting educational achievements, and may be used for developing career credentials. There is a one-time cost for this membership. Membership is available for up to five years.

## **Advising and Scheduling Information**

### **Academic Advising**

An Academic Advisor is assigned to each College of Business major by the Transfer Student Success Center Counselor for the College of Business. After a student's transcripts (from all transfer institutions) have been received, a plan of study which reflects the transferred credit and the requirements for degree completion is available to the student and the advisor in Degree Works via the student's Athens State Online account. Students are encouraged to read all the information regarding degree requirements on the plan of study. Students should contact their advisor for any questions about the degree plan. Office hours are available on the College of Business website, along with telephone numbers and e-mail addresses. Students may also contact the College of Business staff whenever assistance is needed.

### **Scheduling**

Degree programs in the College of Business are developed to ensure that students who complete the programs possess the skills and competencies for successful careers or further academic study. To obtain the maximum benefit from the programs, some sequencing of courses is necessary.

Most business courses are offered each term, particularly the common core courses which are required in all College of Business majors (AC/MG 302, MG 320, MG 346, MG 350, MG 352, MG 390, MG 420, MG 480, and MK 331). However, some courses, particularly those which are required in only one program or minor, are offered less frequently. Observing the following guidelines will help you in efficient scheduling.

- Those courses in most demand (common core courses) are generally offered each term in multiple formats.
- Courses which are specific to only one program (or minor), may not be offered every term and/or in all formats.
- Sequential courses (especially accounting and statistics) must be taken in order, and may be offered on a rotating or alternating basis.

Students should plan accordingly and not wait until they are nearing the end of their program to begin scheduling the less frequently offered courses or sequential courses.

### **Special Scheduling Requirements**

#### **First Term:**

**The following course, which is required for all Business majors, MUST be taken in the student's first term at Athens State.** MG 320 Organizational Communication (3 semester hours). This course includes an initial assessment as part of our required outcomes assessment plan.

**The following courses, which are required for all Business majors, should be taken in the student's first term at Athens State. The content in these courses is essential preparation for other courses in the curriculum.**

AC/MG 302 Management Information Systems (3 semester hours).

MG 346 Principles of Management and Leadership (3 semester hours).

Accounting majors should take AC 321 Intermediate Accounting I in the first term it is offered.

#### **Last Term:**

**The following courses (which are required in all Business majors) should be taken during the student's last term at Athens State.**

MG 420 Business Policy (3 semester hours). This course is the capstone course which integrates content from all other core business courses. The required Assessment Exam is given in this course.

MG 480 Seminar in Business (2 semester hours).

#### **Prerequisites**

Observance of prerequisites will ensure that students have the background knowledge to obtain the maximum benefit from the curriculum. Please consult the course descriptions section of this catalog for information on course prerequisites.

## **Degree Programs in the College of Business**

### **General University Requirements for Graduation**

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

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

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

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

## ACCOUNTING (AC)

The objective of the major in accounting is to prepare students for a wide variety of careers in professional accounting, including public accounting, industrial accounting, internal auditing, and government service, and to provide an academic framework for future graduate study. With a wide variety of career options available to accounting graduates, the Department of Accounting offers an additional option for accounting majors, "Accounting with Minor." Under this option, the student will take the core accounting requirements and pair them with a minor selected from a variety of management fields. **Please note that the "Accounting with Minor" option will not include all of the courses required to sit for the CPA exam.** If you intend to sit for the CPA exam, you should complete the "Accounting (no minor)" option. Students with non-Accounting degrees preparing to sit for the CPA exam in Alabama should refer to the recommended courses following the Accounting (no minor) requirements.

### Bachelor of Science – Accounting (no minor)

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

**Program components for the Bachelor of Science degree with a major in Accounting (no minor):**

#### Applicable General University Requirements

Students earning the Bachelor of Science (BS) degree with a major in Accounting (no minor) must satisfy all general University requirements and meet all financial obligations before a degree is awarded.

#### General Education Requirements

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

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

	Discipline/Course	Hours
	CIS 146 Microcomputer Applications <b>or</b> ITE 301 Problem Solving with Computers <b>or</b> GBA 301 Windows Applications for Business	<b>3</b>
	BUS 241 Principles of Accounting I <b>or</b> AC 305 Fundamentals of Accounting I	<b>3</b>
	BUS 242 Principles of Accounting II <b>or</b> AC 306 Fundamentals of Accounting II	<b>3</b>
	BUS 271 Business Statistics I <b>or</b> MTH 265 Elementary Statistics <b>or</b> GBA 305 Stat Methods of Business I	<b>3</b>
	BUS 272 Business Statistics II <b>or</b> GBA 306 Stat Methods of Business II	<b>3</b>
	BUS 263 Legal & Social Environment of Business <b>or</b> BUS 261 Business Law I <b>or</b> GBA 311 Legal Environment of Business	<b>3</b>
	<b>Total Major Prerequisite Requirement Hours:</b>	<b>18</b>
	<b>Total General Education and Major Prerequisite Requirement Hours:</b>	<b>59</b>

### **Professional Course Requirements**

**Courses are listed in the order they should be taken.** All business majors must take a “pretest” in their first term at Athens State. The test is administered in MG 320 Organizational Communication. For students who completed BUS 215 or an equivalent course at another college, the test will be given in GBA 300 Business Research Skills [see below and “Assessment” in the College of Business General Information section]. All accounting majors must also take an accounting-specific “pretest” in AC 321 Intermediate Accounting during the first term in which they are eligible to take the course at Athens State University.

	<b>Course</b>	<b>Hours</b>
	MG 320 Organizational Communication ( <i>MUST be taken 1st semester</i> ) <b>or</b> BUS 215 Business Communications (Students who do not complete MG 320 Organizational Communication at Athens State are required to take GBA 300 Business Research Skills, a 1 hour course designed to familiarize students with business information sources and library research skills.)	<b>3</b>
	AC 302 Management Information Systems ( <i>should be taken 1st semester</i> )	<b>3</b>
	AC 321 Intermediate Accounting I ( <i>take 1<sup>st</sup> semester available</i> )	<b>3</b>
	MG 346 Principles of Management and Leadership ( <i>should be taken 1st semester</i> ) <b>or</b> BUS 275 Principles of Management	<b>3</b>
	AC 361 Federal Tax Accounting I	<b>3</b>
	AC 303 Management Decision Support Systems	<b>3</b>
	AC 322 Intermediate Accounting II	<b>3</b>
	AC 362 Federal Tax Accounting II	<b>3</b>
	MK 331 Marketing Principles <b>or</b> BUS 285 Principles of Marketing	<b>3</b>
	AC 312 Law for Accountants	<b>3</b>
	AC 323 Intermediate Accounting III	<b>3</b>
	AC 401 Auditing	<b>3</b>
	MG 350 Financial Management	<b>3</b>
	AC 431 Advanced Accounting	<b>3</b>
	AC 442 Advanced Auditing and Fraud Examination	<b>3</b>
	MG 352 International Business <b>or</b> EC 320 International Economics and Trade	<b>3</b>
	MG 390 Operations Management	<b>3</b>
	AC 435 Governmental Accounting	<b>3</b>
	AC 471 Cost Accounting ( <i>Accounting Capstone course to be taken final semester</i> )	<b>3</b>
	MG 420 Business Policy ( <i>Capstone course: A final average of at least 70% must be achieved. Course should be taken final semester.</i> )	<b>3</b>
	MG 480 Seminar in Business ( <i>Senior seminar: A final average of at least 70% must be achieved. Course should be taken final semester.</i> )	<b>2</b>
	<b>Total Professional Requirement Hours:</b>	<b>62</b>

**Assessment Exam:** All College of Business majors must earn an acceptable score on an assessment exam in MG 420 Business Policy containing questions dealing with the skill and competency areas around which the curriculum is based. Accounting majors must also complete an accounting-specific assessment exam in AC 471 Cost Accounting containing questions dealing with the accounting skills and competencies included in the curriculum.

### **General Electives**

	Elective hours as needed to meet minimum 124 hour requirement and all other general University requirements	<b>3</b>
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		<b>Hours</b>
	<b>Total Minimum Hours Required for Completion of Accounting Major (no minor)</b>	<b>124</b>

**Recommended Courses for Students with Non-Accounting Degrees Preparing to Sit for the CPA Exam in Alabama:**

AC 321/322/323 Intermediate Accounting I/II/III  
AC 361/362 Federal Tax Accounting I/II  
AC 401 Auditing  
AC 431 Advanced Accounting

AC 435 Governmental Accounting  
AC 442 Advanced Auditing and Fraud Examination  
AC 471 Cost Accounting  
AC 312 Law for Accountants

For students who completed some of the above courses in their degree program, the following substitutions are recommended: AC 303 Management Decision Support Systems, GBA 314 Business Ethics, MG 410 Employment Law, and other business courses recommended by an Accounting faculty advisor. For additional information see the Alabama State Board of Public Accountancy website at <http://www.asbpa.alabama.gov/>.

## Bachelor of Science – Accounting with Minor

With a wide variety of career options available to accounting graduates, the Department of Accounting offers an additional option for accounting majors, “Accounting with Minor.” Under this option, the student will take the core accounting requirements and pair them with a minor selected from a variety of management fields. **Please note that the “Accounting with Minor” option will not include all of the courses required to sit for the CPA exam. If you intend to sit for the CPA exam, you should complete the “Accounting” major (no minor).**

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

Program components for the Bachelor of Science degree with a major in Accounting with a required minor:

### Applicable General University Requirements

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

### General Education Requirements

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

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

	Discipline/Course	Hours
	CIS 146 Microcomputer Applications <b>or</b> ITE 301 Problem Solving with Computers <b>or</b> GBA 301 Windows Applications for Business	<b>3</b>
	BUS 241 Principles of Accounting I <b>or</b> AC 305 Fundamentals of Accounting I	<b>3</b>
	BUS 242 Principles of Accounting II <b>or</b> AC 306 Fundamentals of Accounting II	<b>3</b>
	BUS 271 Business Statistics I <b>or</b> MTH 265 Elementary Statistics <b>or</b> GBA 305 Stat Methods of Business I	<b>3</b>
	BUS 272 Business Statistics II <b>or</b> GBA 306 Stat Methods of Business II	<b>3</b>
	BUS 263 Legal & Social Environment of Business <b>or</b> BUS 261 Business Law I <b>or</b> GBA 311 Legal Environment of Business	<b>3</b>
	<b>Total Major Prerequisite Requirement Hours:</b>	<b>18</b>
	<b>Total General Education and Major Prerequisite Requirement Hours:</b>	<b>59</b>

### **Professional Course Requirements**

**Courses are listed in the order they should be taken.** All business majors must take a “pretest” in their first term at Athens State. The test is administered in MG 320 Organizational Communication. For students who completed BUS 215 or an equivalent course at another college, the test will be given in GBA 300 Business Research Skills [see below and “Assessment” in the College of Business General Information section]. All accounting majors must also take an accounting-specific “pretest” in AC 321 Intermediate Accounting during the first term in which they are eligible to take the course at Athens State University.

	<b>Accounting and Business Core Courses</b>	<b>Hours</b>
	MG 320 Organizational Communication ( <i>MUST be taken 1st semester</i> ) <b>or</b> BUS 215 Business Communications (Students who do not complete MG 320 Organizational Communication at Athens State are required to take GBA 300 Business Research Skills, a 1 hour course designed to familiarize students with business information sources and library research skills.)	<b>3</b>
	AC 302 Management Information Systems ( <i>should be taken 1st semester</i> )	<b>3</b>
	AC 321 Intermediate Accounting I ( <i>take 1<sup>st</sup> semester available</i> )	<b>3</b>
	MG 346 Principles of Management and Leadership ( <i>should be taken 1st semester</i> ) <b>or</b> BUS 275 Principles of Management	<b>3</b>
	AC 322 Intermediate Accounting II	<b>3</b>
	AC 361 Federal Tax Accounting I	<b>3</b>
	MK 331 Marketing Principles <b>or</b> BUS 285 Principles of Marketing	<b>3</b>
	AC 323 Intermediate Accounting III	<b>3</b>
	AC 401 Auditing	<b>3</b>
	MG 350 Financial Management	<b>3</b>
	MG 352 International Business <b>or</b> EC 320 International Economics and Trade	<b>3</b>
	MG 390 Operations Management	<b>3</b>
	AC 471 Cost Accounting ( <i>Accounting Capstone course to be taken final semester</i> )	<b>3</b>
	MG 420 Business Policy ( <i>Capstone course: A final average of at least 70% must be achieved. Course should be taken final semester.</i> )	<b>3</b>
	MG 480 Seminar in Business ( <i>Senior seminar: A final average of at least 70% must be achieved. Course should be taken final semester.</i> )	<b>2</b>
	<b>Total Professional Requirement Hours:</b>	<b>44</b>

**Assessment Exam:** All College of Business majors must earn an acceptable score on an assessment exam in MG 420 Business Policy containing questions dealing with the skill and competency areas around which the curriculum is based. Accounting majors must also complete an accounting-specific assessment exam in AC 471 Cost Accounting containing questions dealing with the accounting skills and competencies included in the curriculum.

### **Minor (Required)**

**Please note:** Many courses required for minors are not offered every semester. Therefore, minor courses should be taken when available instead of waiting until a later semester.

	<b>Course</b>	<b>Hours</b>
	Required Courses for Minor (minimum 18 hours)	<b>18</b>
	<b>College of Business Minor options:</b>	
	Acquisition & Contract Management      Information Systems Management	
	Aviation Management      International Business	
	Enterprise Systems Management      Logistics and Supply Chain Management	
	Finance      Marketing	
	Health Care Management      Operations Management	
	Human Resource Management      Project Management	
	Information Assurance Management      Tailored Business Minor (must be approved by advisor)	
	<b>Total Minor Requirement Hours:</b>	<b>18</b>



**General Electives**

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

		<b>Hours</b>
	<b>Total Minimum Hours Required for Completion of Accounting Major with Minor</b>	<b>124</b>

## ACQUISITION AND CONTRACT MANAGEMENT (ACM)

Students will gain knowledge of the acquisition and contracting processes to include the purchasing of goods and services, pricing, negotiating of contracts, administration of contracts, contract law, and responsibilities from contract award to termination of the contract. An emphasis will be placed upon federal contracting. This program will include a study of the Federal Acquisition Regulations.

### Bachelor of Science – Acquisition and Contract Management

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

**Program components for the Bachelor of Science degree with a major in Acquisition and Contract Management:**

#### Applicable General University Requirements

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

#### General Education Requirements

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

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

	Discipline/Course	Hours
	CIS 146 Microcomputer Applications <b>or</b> ITE 301 Problem Solving with Computers <b>or</b> GBA 301 Windows Applications for Business	<b>3</b>
	BUS 241 Principles of Accounting I <b>or</b> AC 305 Fundamentals of Accounting I	<b>3</b>
	BUS 242 Principles of Accounting II <b>or</b> AC 306 Fundamentals of Accounting II	<b>3</b>
	BUS 271 Business Statistics I <b>or</b> MTH 265 Elementary Statistics <b>or</b> GBA 305 Stat Methods of Business I	<b>3</b>
	BUS 272 Business Statistics II <b>or</b> GBA 306 Stat Methods of Business II	<b>3</b>
	BUS 263 Legal & Social Environment of Business <b>or</b> BUS 261 Business Law I <b>or</b> GBA 311 Legal Environment of Business	<b>3</b>
	<b>Total Major Prerequisite Requirement Hours:</b>	<b>18</b>
	<b>Total General Education and Major Prerequisite Requirement Hours:</b>	<b>59</b>

### **Professional Course Requirements**

**Courses are listed in the order they should be taken.** All business majors must take a “pretest” in their first term at Athens State. The test is administered in MG 320 Organizational Communication. For students who completed BUS 215 or an equivalent course at another college, the test will be given in GBA 300 Business Research Skills [see below and “Assessment” in the College of Business General Information section].

	<b>Course</b>	<b>Hours</b>
	MG 320 Organizational Communication ( <i>MUST be taken 1st semester</i> ) <b>or</b> BUS 215 Business Communications (Students who do not complete MG 320 Organizational Communication at Athens State are required to take GBA 300 Business Research Skills, a 1 hour course designed to familiarize students with business information sources and library research skills.)	<b>3</b>
	ACM 394 Introduction to Acquisition and Contract Management	<b>3</b>
	MG 302 Management Information Systems ( <i>should be taken 1st semester</i> )	<b>3</b>
	MG 346 Principles of Management and Leadership ( <i>should be taken 1st semester</i> ) <b>or</b> BUS 275 Principles of Management	<b>3</b>
	ACM 353 Project Management	<b>3</b>
	ACM 395 Acquisition and Contract Management Pricing	<b>3</b>
	MG 303 Management Decision Support Systems	<b>3</b>
	MG 350 Financial Management	<b>3</b>
	ACM 396 Acquisition and Contract Management Administration	<b>3</b>
	LSM 301 Introduction to Logistics and Supply Chain Management <b>or</b> ESM 300 Enterprise Systems & Bus. Processes	<b>3</b>
	MG 390 Operations Management	<b>3</b>
	MK 331 Marketing Principles <b>or</b> BUS 285 Principles of Marketing	<b>3</b>
	ACM 397 Acquisition and Contract Management Negotiations	<b>3</b>
	ACM 398 Government Contract Law	<b>3</b>
	MG 352 International Business <b>or</b> EC320 International Commerce	<b>3</b>
	MG 417 Management of Change	<b>3</b>
	ACM 400 Advanced ACM Research/Project	<b>3</b>
	MG 420 Business Policy ( <i>Capstone course: A final average of at least 70% must be achieved. Course should be taken final semester.</i> )	<b>3</b>
	MG 480 Seminar in Business ( <i>Senior seminar: A final average of at least 70% must be achieved. Course should be taken final semester.</i> )	<b>2</b>
	Electives (Selected from ESM, ISM, LSM courses)	<b>6</b>
	<b>Total Professional Requirement Hours:</b>	<b>62</b>

**Assessment Exam:** All College of Business majors must earn an acceptable score on an assessment exam in MG 420 Business Policy containing questions dealing with the skill and competency areas around which the curriculum is based.

### **General Electives**

	Elective hours as needed to meet minimum 124 hour requirement and all other general University requirements	<b>3</b>
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		<b>Hours</b>
	<b>Total Minimum Hours Required for Completion of Acquisition and Contract Management Major</b>	<b>124</b>

## HUMAN RESOURCE MANAGEMENT

The objective of the major in Human Resource Management is to provide students with a program of study that will prepare them for a variety of employment opportunities in the area of human resource management and provide an academic framework for future graduate study. The curriculum combines traditional business courses, specialized management courses, and related psychology courses.

### Bachelor of Science – Human Resource Management

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

**Program components for the Bachelor of Science degree with a major in Human Resource Management:**

#### Applicable General University Requirements

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

#### General Education Requirements

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

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

	Discipline/Course	Hours
	CIS 146 Microcomputer Applications <u>or</u> ITE 301 Problem Solving with Computers <u>or</u> GBA 301 Windows Applications for Business	<b>3</b>
	BUS 241 Principles of Accounting I <u>or</u> AC 305 Fundamentals of Accounting I	<b>3</b>
	BUS 242 Principles of Accounting II <u>or</u> AC 306 Fundamentals of Accounting II	<b>3</b>
	BUS 271 Business Statistics I <u>or</u> MTH 265 Elementary Statistics <u>or</u> GBA 305 Stat Methods of Business I	<b>3</b>
	BUS 272 Business Statistics II <u>or</u> GBA 306 Stat Methods of Business II	<b>3</b>
	BUS 263 Legal & Social Environment of Business <u>or</u> BUS 261 Business Law I <u>or</u> GBA 311 Legal Environment of Business	<b>3</b>
	<b>Total Major Prerequisite Requirement Hours:</b>	<b>18</b>
	<b>Total General Education and Major Prerequisite Requirement Hours:</b>	<b>59</b>

### **Professional Course Requirements**

**Courses are listed in the order they should be taken.** All business majors must take a “pretest” in their first term at Athens State. The test is administered in MG 320 Organizational Communication. For students who completed BUS 215 or an equivalent course at another college, the test will be given in GBA 300 Business Research Skills [see below and “Assessment” in the College of Business General Information section].

	<b>Course</b>	<b>Hours</b>
	MG 320 Organizational Communication ( <i>MUST be taken 1st semester</i> ) <b>or</b> BUS 215 Business Communications (Students who do not complete MG 320 Organizational Communication at Athens State are required to take GBA 300 Business Research Skills, a 1 hour course designed to familiarize students with business information sources and library research skills.)	<b>3</b>
	EC 348 Labor Economics	<b>3</b>
	MG 302 Management Information Systems ( <i>should be taken 1st semester</i> )	<b>3</b>
	MG 346 Principles of Management and Leadership ( <i>should be taken 1st semester</i> ) <b>or</b> BUS 275 Principles of Management	<b>3</b>
	GBA 307 Quantitative Business Analysis and HR Analytics	<b>3</b>
	MG 349 Human Resources Management <b>or</b> BUS 276 Human Resource Management	<b>3</b>
	MG 350 Financial Management	<b>3</b>
	MK 331 Marketing Principles <b>or</b> BUS 285 Principles of Marketing	<b>3</b>
	MG 351 Labor/Management Relations	<b>3</b>
	MG 352 International Business <b>or</b> EC 320 International Economics and Trade	<b>3</b>
	MG 370 Performance Management in Organizations	<b>3</b>
	MG 375 Organizational Behavior and Teambuilding	<b>3</b>
	MG 390 Operations Management	<b>3</b>
	MG 410 Employment Law for Business	<b>3</b>
	MG 411 Compensation and Benefits	<b>3</b>
	MG 417 Management of Change	<b>3</b>
	MG 449 Advanced Human Resource Management	<b>3</b>
	MG 420 Business Policy ( <i>Capstone course: A final average of at least 70% must be achieved. Course should be taken final semester.</i> )	<b>3</b>
	MG 480 Seminar in Business ( <i>Senior seminar: A final average of at least 70% must be achieved. Course should be taken final semester.</i> )	<b>2</b>
	<b>Two courses from the following:</b> EC 321 Money and Banking GBA 314 Business Ethics PS 304 Drugs and Behavior PS 331 Social Psychology PS 335 Adult Psychology PS 368 Industrial and Personnel Psychology	<b>6</b>
	<b>Total Professional Requirement Hours:</b>	<b>62</b>

**Assessment Exam:** All College of Business majors must earn an acceptable score on an assessment exam in MG 420 Business Policy containing questions dealing with the skill and competency areas around which the curriculum is based.

### **General Electives**

	Elective hours as needed to meet minimum 124 hour requirement and all other general University requirements	<b>3</b>
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		<b>Hours</b>
	<b>Total Minimum Hours Required for Completion of Human Resource Management Major</b>	<b>124</b>

## INFORMATION ASSURANCE (IAM)

Information Assurance provides the measures that protect and defend information and information systems by ensuring their availability, integrity, authentication, confidentiality, and non-repudiation. These measures include providing for restoration of information systems by incorporating protection, detection, and reaction capabilities.

Career paths for those with an Information Assurance degree include; Management Information Security, Information Security Policy, Security Program Development, and Risk Management.

### Bachelor of Science – Information Assurance

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

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

#### Applicable General University Requirements

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

#### General Education Requirements

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

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

	Discipline/Course	Hours
	CIS 146 Microcomputer Applications <u>or</u> ITE 301 Problem Solving with Computers <u>or</u> GBA 301 Windows Applications for Business	<b>3</b>
	BUS 241 Principles of Accounting I <u>or</u> AC 305 Fundamentals of Accounting I	<b>3</b>
	BUS 242 Principles of Accounting II <u>or</u> AC 306 Fundamentals of Accounting II	<b>3</b>
	BUS 271 Business Statistics I <u>or</u> MTH 265 Elementary Statistics <u>or</u> GBA 305 Stat Methods of Business I	<b>3</b>
	BUS 272 Business Statistics II <u>or</u> GBA 306 Stat Methods of Business II	<b>3</b>
	BUS 263 Legal & Social Environment of Business <u>or</u> BUS 261 Business Law I <u>or</u> GBA 311 Legal Environment of Business	<b>3</b>
	<b>Total Major Prerequisite Requirement Hours:</b>	<b>18</b>
	<b>Total General Education and Major Prerequisite Requirement Hours:</b>	<b>59</b>

### **Professional Course Requirements**

**Courses are listed in the order they should be taken.** All business majors must take a “pretest” in their first term at Athens State. The test is administered in MG 320 Organizational Communication. For students who completed BUS 215 or an equivalent course at another college, the test will be given in GBA 300 Business Research Skills [see below and “Assessment” in the College of Business General Information section].

	<b>Core Courses</b>	<b>Hours</b>
	MG 320 Organizational Communication ( <i>MUST be taken 1st semester</i> ) <b>or</b> BUS 215 Business Communications (Students who do not complete MG 320 Organizational Communication at Athens State are required to take GBA 300 Business Research Skills, a 1 hour course designed to familiarize students with business information sources and library research skills.)	<b>3</b>
	MG 302 Management Information Systems ( <i>should be taken in 1<sup>st</sup> semester</i> )	<b>3</b>
	MG 346 Principles of Management and Leadership ( <i>should be taken 1st semester</i> ) <b>or</b> BUS 275 Principles of Management	<b>3</b>
	MK 331 Marketing Principles <b>or</b> BUS 285 Principles of Marketing	<b>3</b>
	IAM 409 Management of Information Assurance	<b>3</b>
	MG 350 Financial Management	<b>3</b>
	MG 390 Operations Management	<b>3</b>
	IAM 410 Information Assurance Administration and Operations Management	<b>3</b>
	IAM 411 Information Assurance Strategic Management	<b>3</b>
	IAM 412 Management of Business Contingency and Resilience Planning	<b>3</b>
	IAM 413 Information Assurance Systems and Product Acquisition	<b>3</b>
	MG 352 International Business <b>or</b> EC 320 International Economics and Trade	<b>3</b>
	IAM 414 Information Assurance Government ( <i>CAPSTONE</i> )	<b>3</b>
	MG 420 Business Policy ( <i>Capstone course: A final average of at least 70% must be achieved. Course should be taken final semester.</i> )	<b>3</b>
	MG 480 Seminar in Business ( <i>Senior seminar: A final average of at least 70% must be achieved. Course should be taken final semester.</i> )	<b>2</b>
	<b>Total Professional Requirement Hours:</b>	<b>44</b>

**Assessment Exam:** All College of Business majors must earn an acceptable score on an assessment exam in MG 420 Business Policy containing questions dealing with the skill and competency areas around which the curriculum is based.

### **Minor (Required)**

**Please note:** Many courses required for minors are not offered every semester. Therefore, minor courses should be taken when available instead of waiting until a later semester.

	<b>Course</b>	<b>Hours</b>
	Required Courses for Minor (18 hours minimum) <b>Minor options:</b> Enterprise Systems Management Information Systems Management Computer Science Computer Networking Information Technology	<b>18</b>
	<b>Total Minor Requirement Hours:</b>	<b>18</b>

### **General Electives**

	Elective hours as needed to meet minimum 124 hour requirement and all other general University requirements	<b>3</b>
	<b>Total Minimum Hours Required for Completion of Information Assurance Major</b>	<b>124</b>

## LOGISTICS AND SUPPLY CHAIN MANAGEMENT (LSM)

Students will learn the most reliable and cost-effective ways to source services and materials, construct and manufacture products, orchestrate inventory, and move products to customers. Businesses today are increasingly global and the innovations in information systems/information technology are reshaping manufacturing, transportation, inventory control, customer relationship management, supply chain management, and planning/forecasting demand for product and services. The program includes the integration of operations involving the movement of raw materials for production to ultimately providing finished goods to consumers across the globe.

### Bachelor of Science - Logistics and Supply Chain Management

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

Program components for the Bachelor of Science degree with a major in Logistics and Supply Chain Management:

#### Applicable General University Requirements

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

#### General Education Requirements

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

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

	Discipline/Course	Hours
	CIS 146 Microcomputer Applications <b>or</b> ITE 301 Problem Solving with Computers <b>or</b> GBA 301 Windows Applications for Business	<b>3</b>
	BUS 241 Principles of Accounting I <b>or</b> AC 305 Fundamentals of Accounting I	<b>3</b>
	BUS 242 Principles of Accounting II <b>or</b> AC 306 Fundamentals of Accounting II	<b>3</b>
	BUS 271 Business Statistics I <b>or</b> MTH 265 Elementary Statistics <b>or</b> GBA 305 Stat Methods of Business I	<b>3</b>
	BUS 272 Business Statistics II <b>or</b> GBA 306 Stat Methods of Business II	<b>3</b>
	BUS 263 Legal & Social Environment of Business <b>or</b> BUS 261 Business Law I <b>or</b> GBA 311 Legal Environment of Business	<b>3</b>
	<b>Total Major Prerequisite Requirement Hours:</b>	<b>18</b>
	<b>Total General Education and Major Prerequisite Requirement Hours:</b>	<b>59</b>



### **Professional Course Requirements**

**Courses are listed in the order they should be taken.** All business majors must take a “pretest” in their first term at Athens State. The test is administered in MG 320 Organizational Communication. For students who completed BUS 215 or an equivalent course at another college, the test will be given in GBA 300 Business Research Skills [see below and “Assessment” in the College of Business General Information section].

	<b>Course</b>	<b>Hours</b>
	MG 320 Organizational Communication ( <i>MUST be taken 1st semester</i> ) <b>or</b> BUS 215 Business Communications (Students who do not complete MG 320 Organizational Communication at Athens State are required to take GBA 300 Business Research Skills, a 1 hour course designed to familiarize students with business information sources and library research skills.)	<b>3</b>
	MG 302 Management Information Systems ( <i>should be taken 1st semester</i> )	<b>3</b>
	MG 346 Principles of Management and Leadership ( <i>should be taken 1st semester</i> ) <b>or</b> BUS 275 Principles of Management	<b>3</b>
	MK 331 Marketing Principles <b>or</b> BUS 285 Principles of Marketing	<b>3</b>
	LSM 300 Enterprise Systems and Business Processes	<b>3</b>
	LSM 353 Project Management	<b>3</b>
	MG 303 Management Decision Support Systems	<b>3</b>
	MG 350 Financial Management	<b>3</b>
	ACM 394 Introduction to Acquisition & Contract Management	<b>3</b>
	LSM 301 Introduction to Logistics and Supply Chain Management	<b>3</b>
	LSM 320 Logistics and Distribution	<b>3</b>
	MG 352 International Business <b>OR</b> EC 320 International Economics and Trade	<b>3</b>
	LSM 330 Logistics & Supply Chain Mgmt. in the Global Environment	<b>3</b>
	MG 390 Operations Management	<b>3</b>
	MG 417 Management of Change	<b>3</b>
	Electives (selected from ACM, ESM, ISM or MK courses)	<b>6</b>
	LSM 401 Logistics and Supply Chain Integration Techniques	<b>3</b>
	LSM 410 Logistics and Supply Chain Strategy	<b>3</b>
	MG 420 Business Policy ( <i>Capstone course: A final average of at least 70% must be achieved. Course should be taken final semester.</i> )	<b>3</b>
	MG 480 Seminar in Business ( <i>Senior seminar: A final average of at least 70% must be achieved. Course should be taken final semester.</i> )	<b>2</b>
	<b>Total Professional Requirement Hours:</b>	<b>62</b>

**Assessment Exam:** All College of Business majors must earn an acceptable score on an assessment exam in MG 420 Business Policy containing questions dealing with the skill and competency areas around which the curriculum is based.

### **General Electives**

	Elective hours as needed to meet minimum 124 hour requirement and all other general University requirements	<b>3</b>
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		<b>Hours</b>
	<b>Total Minimum Hours Required for Completion of Logistics and Supply Chain Management Major</b>	<b>124</b>

## MANAGEMENT (MG)

The objective of the major in management is to provide students with a comprehensive business education, which will prepare them to enter managerial employment or to assist in the development of individuals who hold those positions. In addition, this major provides an academic framework for future graduate study. Management encompasses the traditional business curriculum which includes coursework in accounting, finance, management, marketing, management information systems, global business, strategic management, and production theories/concepts.

Management majors who wish to pursue a specialized area of study as a part of a management major may elect to complete the "Management with Minor" major. Minors are available in the following areas: Acquisition & Contract Management, Aviation Management, Enterprise Systems Management, Finance, Health Care Management, Human Resource Management, Information Assurance Management, Information Systems Management, International Business, Logistics and Supply Chain Management, Marketing, Operations Management, Project Management, and Small Business/Entrepreneurship. In addition to these minors, a student may earn a Tailored Minor requiring 18 hours of advisor-approved coursework in an appropriate academic or professional area. NOTE: Please be aware that course work for all of the minors may not be offered every semester, in all formats, or at all sites.

### Bachelor of Science – Management (no minor)

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

**Program components for the Bachelor of Science degree with a major in Management (no minor):**

#### Applicable General University Requirements

Students earning the Bachelor of Science (BS) degree with a major in Management (no minor) must satisfy all general University requirements and meet all financial obligations before a degree is awarded.

#### General Education Requirements

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

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

	<b>Discipline/Course</b>	<b>Hours</b>
	CIS 146 Microcomputer Applications <u>or</u> ITE 301 Problem Solving with Computers <u>or</u> GBA 301 Windows Applications for Business	<b>3</b>
	BUS 241 Principles of Accounting I <u>or</u> AC 305 Fundamentals of Accounting I	<b>3</b>
	BUS 242 Principles of Accounting II <u>or</u> AC 306 Fundamentals of Accounting II	<b>3</b>
	BUS 271 Business Statistics I <u>or</u> MTH 265 Elementary Statistics <u>or</u> GBA 305 Stat Methods of Business I	<b>3</b>
	BUS 272 Business Statistics II <u>or</u> GBA 306 Stat Methods of Business II	<b>3</b>
	BUS 263 Legal & Social Environment of Business <u>or</u> BUS 261 Business Law I <u>or</u> GBA 311 Legal Environment of Business	<b>3</b>
	<b>Total Major Prerequisite Requirement Hours:</b>	<b>18</b>
	<b>Total General Education and Major Prerequisite Requirement Hours:</b>	<b>59</b>

### **Professional Course Requirements**

**Courses are listed in the order they should be taken.** All business majors must take a “pretest” in their first term at Athens State. The test is administered in MG 320 Organizational Communication. For students who completed BUS 215 or an equivalent course at another college, the test will be given in GBA 300 Business Research Skills [see below and “Assessment” in the College of Business General Information section].

	<b>Course</b>	<b>Hours</b>
	MG 320 Organizational Communication ( <i>MUST be taken 1st semester</i> ) <u>or</u> BUS 215 Business Communications (Students who do not complete MG 320 Organizational Communication at Athens State are required to take GBA 300 Business Research Skills, a 1 hour course designed to familiarize students with business information sources and library research skills.)	<b>3</b>
	MG 302 Management Information Systems ( <i>should be taken 1st semester</i> )	<b>3</b>
	MG 346 Principles of Management and Leadership ( <i>should be taken 1st semester</i> ) <u>or</u> BUS 275 Principles of Management	<b>3</b>
	AC 315 Managerial Accounting	<b>3</b>
	EC 321 Money and Banking	<b>3</b>
	MG 303 Management Decision Support Systems	<b>3</b>
	MG 349 Human Resources Management <u>or</u> BUS 276 Human Resource Management	<b>3</b>
	MG 350 Financial Management	<b>3</b>
	MK 331 Marketing Principles <u>or</u> BUS 285 Principles of Marketing	<b>3</b>
	GBA 314 Business Ethics	<b>3</b>
	MG 351 Labor/Management Relations	<b>3</b>
	MG 352 International Business <u>or</u> EC 320 International Economics and Trade	<b>3</b>
	MG 353 Project Management	<b>3</b>
	MG 375 Organizational Behavior and Teambuilding	<b>3</b>
	MG 390 Operations Management	<b>3</b>
	MG 417 Management of Change	<b>3</b>
	MG 420 Business Policy ( <i>Capstone course: A final average of at least 70% must be achieved. Course should be taken final semester.</i> )	<b>3</b>
	MG 480 Seminar in Business ( <i>Senior seminar: A final average of at least 70% must be achieved. Course should be taken final semester.</i> )	<b>2</b>
	<b>Total Professional Requirement Hours:</b>	<b>53</b>

**Assessment Exam:** All College of Business majors must earn an acceptable score on an assessment exam in MG 420 Business Policy containing questions dealing with the skill and competency areas around which the curriculum is based.

**General Electives**

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

		<b>Hours</b>
	<b>Total Minimum Hours Required for Completion of Management Major (no minor)</b>	<b>124</b>

## Bachelor of Science – Management with Minor

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

Program components for the Bachelor of Science degree in Management with Minor:

### Applicable General University Requirements

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

### General Education Requirements

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

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

	Discipline/Course	Hours
	CIS 146 Microcomputer Applications <u>or</u> ITE 301 Problem Solving with Computers <u>or</u> GBA 301 Windows Applications for Business	<b>3</b>
	BUS 241 Principles of Accounting I <u>or</u> AC 305 Fundamentals of Accounting I	<b>3</b>
	BUS 242 Principles of Accounting II <u>or</u> AC 306 Fundamentals of Accounting II	<b>3</b>
	BUS 271 Business Statistics I <u>or</u> MTH 265 Elementary Statistics <u>or</u> GBA 305 Stat Methods of Business I	<b>3</b>
	BUS 272 Business Statistics II <u>or</u> GBA 306 Stat Methods of Business II	<b>3</b>
	BUS 263 Legal & Social Environment of Business <u>or</u> BUS 261 Business Law I <u>or</u> GBA 311 Legal Environment of Business	<b>3</b>
	<b>Total Major Prerequisite Requirement Hours:</b>	<b>18</b>
	<b>Total General Education and Major Prerequisite Requirement Hours:</b>	<b>59</b>

### **Professional Course Requirements**

**Courses are listed in the order they should be taken.** All business majors must take a “pretest” in their first term at Athens State. The test is administered in MG 320 Organizational Communication. For students who completed BUS 215 or an equivalent course at another college, the test will be given in GBA 300 Business Research Skills [see below and “Assessment” in the College of Business General Information section].

	<b>Management Core Courses</b>	<b>Hours</b>
	MG 320 Organizational Communication ( <i>MUST be taken 1st semester</i> ) <b>or</b> BUS 215 Business Communications (Students who do not complete MG 320 Organizational Communication at Athens State are required to take GBA 300 Business Research Skills, a 1 hour course designed to familiarize students with business information sources and library research skills.)	<b>3</b>
	MG 302 Management Information Systems ( <i>should be taken 1st semester</i> )	<b>3</b>
	MG 346 Principles of Management and Leadership ( <i>should be taken 1st semester</i> ) <b>or</b> BUS 275 Principles of Management	<b>3</b>
	AC 315 Managerial Accounting	<b>3</b>
	EC 321 Money and Banking	<b>3</b>
	MG 303 Management Decision Support Systems	<b>3</b>
	MK 331 Marketing Principles <b>or</b> BUS 285 Principles of Marketing	<b>3</b>
	MG 350 Financial Management	<b>3</b>
	MG 352 International Business <b>or</b> EC 320 International Economics and Trade	<b>3</b>
	MG 390 Operations Management	<b>3</b>
	MG 420 Business Policy ( <i>Capstone course: A final average of at least 70% must be achieved. Course should be taken final semester.</i> )	<b>3</b>
	MG 480 Seminar in Business ( <i>Senior seminar: A final average of at least 70% must be achieved. Course should be taken final semester.</i> )	<b>2</b>
	<b>Total Professional Requirement Hours:</b>	<b>35</b>

**Assessment Exam:** All College of Business majors must earn an acceptable score on an assessment exam in MG 420 Business Policy containing questions dealing with the skill and competency areas around which the curriculum is based.

### **Minor (Required)**

**Please note:** Many courses required for minors are not offered every semester. Therefore, minor courses should be taken when available instead of waiting until a later semester.

	<b>Course</b>	<b>Hours</b>
	Required Courses for Minor (minimum 18 hours)	<b>18</b>
	<b>College of Business Minor options:</b>	
	Acquisition & Contract Management      Information Systems Management	
	Aviation Management      International Business	
	Enterprise Systems Management      Logistics and Supply Chain Management	
	Finance      Marketing	
	Health Care Management      Operations Management	
	Human Resource Management      Project Management	
	Information Assurance Management      Small Business/Entrepreneurship	
		Tailored Business Minor (must be approved by advisor)
	<b>Total Minor Requirement Hours:</b>	<b>18</b>

### **General Electives**

	Elective hours as needed to meet minimum 124 hour requirement and all other general University requirements	<b>12</b>
	<b>Total Minimum Hours Required for Completion of Management Major with Minor</b>	<b>124</b>

## MANAGEMENT OF TECHNOLOGY

The objective of the major in Management of Technology (MOT) is to provide students with a comprehensive business education which will prepare them to enter managerial employment, advance within the management field, or to assist in the development of individuals who hold those positions. In addition, it provides an academic framework for future graduate study. The major encompasses the traditional business curriculum which includes coursework in accounting, finance, management, management information systems, global business, strategic management, and production theories and concepts, marketing and technology management.

Management of Technology majors who wish to pursue specialized study as a part of the MOT major may elect to complete the "Management of Technology Major with Minor." Minors are available in the following areas: Acquisition & Contract Management, Aviation Management, Enterprise Systems Management, Finance, Health Care Management, Human Resource Management, Information Assurance Management, Information Systems Management, International Business, Logistics and Supply Chain Management, Marketing, Operations Management, Project Management, and Small Business/Entrepreneurship. In addition to these minors, a student may earn a Tailored Minor requiring 18 hours of advisor-approved coursework in an appropriate academic or professional area. NOTE: Please be aware that course work for all of the minors may not be offered every semester, in all formats, or at all sites.

### **Bachelor of Science - Management of Technology (no minor)**

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

**Program components for the Bachelor of Science degree with a major in Management of Technology (no minor):**

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

Students earning the Bachelor of Science (BS) degree with a major in Management of Technology (no minor) must satisfy all general University requirements and meet all financial obligations before a degree is awarded.

#### **General Education Requirements**

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

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

	Discipline/Course	Hours
	CIS 146 Microcomputer Applications <b>or</b> ITE 301 Problem Solving with Computers <b>or</b> GBA 301 Windows Applications for Business	3
	BUS 241 Principles of Accounting I <b>or</b> AC 305 Fundamentals of Accounting I	3
	BUS 242 Principles of Accounting II <b>or</b> AC 306 Fundamentals of Accounting II	3
	BUS 271 Business Statistics I <b>or</b> MTH 265 Elementary Statistics <b>or</b> GBA 305 Stat Methods of Business I	3
	BUS 272 Business Statistics II <b>or</b> GBA 306 Stat Methods of Business II	3
	BUS 263 Legal & Social Environment of Business <b>or</b> BUS 261 Business Law I <b>or</b> GBA 311 Legal Environment of Business	3
	<b>Note: ADP 301 is required for students that will be using prior learning credit to satisfy requirements for their MOT major</b>	
	<b>Total Major Prerequisite Requirement Hours:</b>	<b>18</b>
	<b>Total General Education and Major Prerequisite Requirement Hours:</b>	<b>59</b>

### Professional Course Requirements

**Courses are listed in the order they should be taken.** All business majors must take a “pretest” in their first term at Athens State. The test is administered in MG 320 Organizational Communication. For students who completed BUS 215 or an equivalent course at another college, the test will be given in GBA 300 Business Research Skills [see below and “Assessment” in the College of Business General Information section].

	Management of Technology Core Courses	Hours
	MG 320 Organizational Communication ( <i>MUST be taken 1st semester</i> ) <b>or</b> BUS 215 Business Communications (Students who do not complete MG 320 Organizational Communication at Athens State are required to take GBA 300 Business Research Skills, a 1 hour course designed to familiarize students with business information sources and library research skills.)	3
	MG 302 Management Information Systems ( <i>should be taken 1st semester</i> )	3
	MG 303 Management Decision Support Systems	3
	MG 346 Principles of Management and Leadership ( <i>should be taken 1st semester</i> ) <b>or</b> BUS 275 Principles of Management	3
	MG 350 Financial Management	3
	MG 353 Project Management	3
	MK 331 Marketing Principles <b>or</b> BUS 285 Principles of Marketing	3
	MG 352 International Business <b>or</b> EC 320 International Economics and Trade	3
	MG 415 Technical Risk Management	3
	MG 390 Operations Management	3
	MG 418 Management of Technology	3
	MG 419 Technology Transfer and Commercialization	3
	MG 420 Business Policy ( <i>Capstone course: A final average of at least 70% must be achieved. Course should be taken final semester.</i> )	3
	MG 480 Seminar in Business ( <i>Senior seminar: A final average of at least 70% must be achieved. Course should be taken final semester.</i> )	2
	<b>Total Professional Requirement Hours:</b>	<b>41</b>

**Assessment Exam:** All College of Business majors must earn an acceptable score on an assessment exam in MG 420 Business Policy containing questions dealing with the skill and competency areas around which the curriculum is based.

### General Electives

	Elective hours as needed to meet minimum 124 hour requirement and all other general University requirements ( <b>ADP 301 required for students that will be using prior learning credit to satisfy requirements for their MOT major</b> )	24
	<b>Total Minimum Hours Required for Completion of Management of Technology Major (no minor)</b>	<b>124</b>



## Bachelor of Science - Management of Technology with Minor

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

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

### Applicable General University Requirements

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

### General Education Requirements

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

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

	Discipline/Course	Hours
	CIS 146 Microcomputer Applications <b>or</b> ITE 301 Problem Solving with Computers <b>or</b> GBA 301 Windows Applications for Business	<b>3</b>
	BUS 241 Principles of Accounting I <b>or</b> AC 305 Fundamentals of Accounting I	<b>3</b>
	BUS 242 Principles of Accounting II <b>or</b> AC 306 Fundamentals of Accounting II	<b>3</b>
	BUS 271 Business Statistics I <b>or</b> MTH 265 Elementary Statistics <b>or</b> GBA 305 Stat Methods of Business I	<b>3</b>
	BUS 272 Business Statistics II <b>or</b> GBA 306 Stat Methods of Business II	<b>3</b>
	BUS 263 Legal & Social Environment of Business <b>or</b> BUS 261 Business Law I <b>or</b> GBA 311 Legal Environment of Business	<b>3</b>
	<b>Note: ADP 301 is required for students that will be using prior learning credit to satisfy requirements for their MOT major</b>	
	<b>Total Major Prerequisite Requirement Hours:</b>	<b>18</b>
	<b>Total General Education and Major Prerequisite Requirement Hours:</b>	<b>59</b>

### **Professional Course Requirements**

**Courses are listed in the order they should be taken.** All business majors must take a “pretest” in their first term at Athens State. The test is administered in MG 320 Organizational Communication. For students who completed BUS 215 or an equivalent course at another college, the test will be given in GBA 300 Business Research Skills [see below and “Assessment” in the College of Business General Information section].

	<b>Management of Technology Core Courses</b>	<b>Hours</b>
	MG 320 Organizational Communication ( <i>MUST be taken 1st semester</i> ) <b>or</b> BUS 215 Business Communications (Students who do not complete MG 320 Organizational Communication at Athens State are required to take GBA 300 Business Research Skills, a 1 hour course designed to familiarize students with business information sources and library research skills.)	<b>3</b>
	MG 302 Management Information Systems ( <i>should be taken 1st semester</i> )	<b>3</b>
	MG 346 Principles of Management and Leadership ( <i>should be taken 1st semester</i> ) <b>or</b> BUS 275 Principles of Management	<b>3</b>
	MG 350 Financial Management	<b>3</b>
	MK 331 Marketing Principles <b>or</b> BUS 285 Principles of Marketing	<b>3</b>
	MG 352 International Business <b>or</b> EC 320 International Economics and Trade	<b>3</b>
	MG 415 Technical Risk Management	<b>3</b>
	MG 390 Operations Management (Aviation Management minors may substitute MG 474)	<b>3</b>
	MG 418 Management of Technology	<b>3</b>
	MG 419 Technology Transfer and Commercialization	<b>3</b>
	MG 420 Business Policy ( <i>Capstone course: A final average of at least 70% must be achieved. Course should be taken final semester.</i> )	<b>3</b>
	MG 480 Seminar in Business ( <i>Senior seminar: A final average of at least 70% must be achieved. Course should be taken final semester.</i> )	<b>2</b>
	<b>Total Professional Requirement Hours:</b>	<b>35</b>

**Assessment Exam:** All College of Business majors must earn an acceptable score on an assessment exam in MG 420 Business Policy containing questions dealing with the skill and competency areas around which the curriculum is based.

### **Minor (Required)**

**Please note:** Many courses required for minors are not offered every semester. Therefore, minor courses should be taken when available instead of waiting until a later semester.

	<b>Course</b>	<b>Hours</b>
	Required Courses for Minor (minimum 18 hours)	<b>18</b>
	<b>College of Business Minor options:</b>	
	Acquisition & Contract Management      Information Systems Management	
	Aviation Management      International Business	
	Enterprise Systems Management      Logistics and Supply Chain Management	
	Finance      Marketing	
	Health Care Management      Operations Management	
	Human Resource Management      Project Management	
	Information Assurance Management      Small Business/Entrepreneurship	
	Tailored Business Minor (must be approved by advisor)	
	<b>Total Minor Requirement Hours:</b>	<b>18</b>

**General Electives**

	Elective hours as needed to meet minimum 124 hour requirement and all other general University requirements <b>(ADP 301 required for students that will be using prior learning credit to satisfy requirements for their MOT major)</b>	<b>12</b>

		<b>Hours</b>
	<b>Total Minimum Hours Required for Completion of Management of Technology Major with Minor</b>	<b>124</b>

## **College of Business Certificate Programs**

The College of Business at Athens State University offers the following specialized certificates. **A grade of “C” or better must be achieved on all required courses.**

### **Certificate in Acquisition and Contract Management**

	<b>Course</b>	<b>Hours</b>
	ACM 394 Introduction to Acquisition and Contract Management	<b>3</b>
	ACM 395 Acquisition and Contract Management Pricing	<b>3</b>
	ACM 396 Acquisition and Contract Management Administration	<b>3</b>
	ACM 397 Acquisition and Contract Management Negotiations	<b>3</b>
	ACM 398 Government Contract Law	<b>3</b>
	<b>Total Required Hours:</b>	<b>15</b>

### **Certificate in Aviation Management**

	<b>Course</b>	<b>Hours</b>
	MG 470 Introduction to Aviation Management	<b>3</b>
	MG 471 Aviation Law	<b>3</b>
	MG 472 Aviation Safety and Security Management	<b>3</b>
	MG 474 General Aviation Management	<b>3</b>
	MG 476 Federal Aviation Regulations Management	<b>3</b>
	<b>Total Required Hours:</b>	<b>15</b>

### **Certificate in Logistics and Supply Chain Management**

	<b>Course</b>	<b>Hours</b>
	LSM 301 Introduction to Logistics and Supply Chain Management	<b>3</b>
	LSM 320 Logistics and Distribution	<b>3</b>
	LSM 330 Logistics and SCM in the Global Environment	<b>3</b>
	LSM 401 Logistics and Supply Chain Integration Techniques	<b>3</b>
	LSM 410 Logistics and Supply Chain Strategy	<b>3</b>
	<b>Total Required Hours:</b>	<b>15</b>

### **Certificate in Management of Technology**

	<b>Course</b>	<b>Hours</b>
	MG 353 Project Management	<b>3</b>
	MG 415 Technical Risk Management	<b>3</b>
	MG 417 Management of Change	<b>3</b>
	MG 418 Management of Technology	<b>3</b>
	MG 419 Technology Transfer and Commercialization	<b>3</b>
	<b>Total Required Hours:</b>	<b>15</b>

### **Certificate in Marketing**

	<b>Course</b>	<b>Hours</b>
	MK 331 Marketing Principles <b>or</b> BUS 285 Principles of Marketing	<b>3</b>
	MK 336 Consumer Behavior	<b>3</b>
	MK 431 Marketing Research	<b>3</b>
	MK 432 Retailing	<b>3</b>
	MK 433 Marketing Strategies and Policies	<b>3</b>
	<b>Total Required Hours:</b>	<b>15</b>

### **Certificate in Project Management**

	<b>Course</b>	<b>Hours</b>
	MG 353 Project Management	<b>3</b>
	MG 357 Project Detailed Scheduling and Planning	<b>3</b>
	MG 358 Project Initiation and Scope Management	<b>3</b>
	MG 405 Project Cost Control and Earned Value Management	<b>3</b>
	MG 413 Project Communication, Management and Leadership	<b>3</b>
	<b>Total Required Hours:</b>	<b>15</b>

### **SAP Student Achievement Recognition Certificate**

	<b>Course</b>	<b>Hours</b>
	ESM 300 Enterprise Systems & Business Processes	<b>3</b>
	<b>Complete two of the following:</b> ESM 320 Human Capital Management Systems ESM 330 Accounting Information Systems ESM 410 Business Intelligence Systems ESM 420 Enterprise Systems Development ESM 425 Enterprise Systems Configuration	<b>6</b>
	<b>Total Required Hours:</b>	<b>9</b>

# College of Education

**Patricia Sims, Ed. D. – Dean**

The College of Education at Athens State University is accredited by the National Council for Accreditation of Teacher Education (NCATE) 2010 Massachusetts Avenue, N.W. Suite 500, Washington, D.C. 20036. NCATE is currently collaborating with TEAC (Teacher Education Accreditation Council) to form a new unified accrediting body called *The Council for Accreditation of Educator Programs* (CAEP).

Athens State University is approved by the Alabama State Department of Education for the training of elementary, secondary, and postsecondary school teachers. The Alabama State Department of Education is a member of the National Association of State Directors of Teacher Education Certification.

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

Program Name	Degree(s) Available	Minor Available	Certificate Available
Autism and Developmental Disabilities		Yes	
Early Childhood Education (P-3)	BSEd	Yes	
Early Childhood/Special Education		Yes	
Educational Studies (Non-certification)	BSEd		
Educational Technology		Yes	Yes
Elementary Education (K-6)	BSEd		
Elementary/Collaborative (K-6)	BSEd		
English Language Learner (ELL)		Yes	Yes
Instructional Design		Yes	Yes
Instructional Technology			Yes
Middle Level Education		Yes	
Physical Education (P-12)	BSEd		
Professional Studies		Yes	
Special Education (Collaborative Teacher) (K-6)	BSEd		
Special Education (Collaborative Teacher) (6-12)	BSEd		
Technical Education – Secondary Instructor (Class B Certification)	BSEd		
Technical Education – Early Instructor Option (Non-certification)	BSEd		
Technical Education – Instructional Design (Non-certification)	BSEd		
Technical Education – Military Instructor (Non-certification)	BSEd		
Technical Education – Post-Secondary Instructor (Non-certification)	BSEd		

The College of Education also offers the required Professional Studies coursework for licensure/certification in approved BA or BS programs offered by the College of Arts and Sciences:

- Art with Minor in Education (P-12)
- Biology with Minor in Education (6-12)
- Chemistry with Minor in Education (6-12)
- English/Language Arts with Minor in Education (6-12)
- History with Minor in Education (6-12)
- Mathematics with Minor in Education (6-12)
- Social Science with Minor in Education (6-12)

Information about these programs can be found in the College of Arts and Sciences catalog section.

## **College of Education – General Information**

### **Mission Statement**

The College of Education's mission is to prepare teacher candidates to be reflective practitioners who are knowledgeable, collaborative professionals. They will have a rich knowledge of content with an understanding of how people learn in various ways combined with the ability to apply that knowledge to assure student success.

### **Goals**

The College of Education educates pre-service teachers who embrace student-centered learning, maintain a comprehensive knowledge of content knowledge, possess an excellent foundation of professional and pedagogical knowledge, and model social justice through social responsibility. Our graduates are able to do this through adherence to institutional, state, and national standards that support the conceptual framework.

Graduates from the College of Education at Athens State will have the knowledge to apply:

- Disciplinary Knowledge;
- Professional Knowledge;
- Pedagogical Knowledge; and

the ability to create student-centered learning opportunities and practice socially responsible citizenship.

### **Teacher Education Program**

The Teacher Education Program at Athens State University promotes professional development of students who seek teaching as a career, students who will become Reflective Practitioners. The program is approved by the Alabama State Department of Education and accredited by the National Council for Accreditation of Teacher Education. Students are advised and assisted in each phase of their preparation program. The College of Education offers undergraduate degrees leading to Class B Certification in Early Childhood Education, Elementary Education, Elementary/Collaborative K-6 Education, Physical Education, Special Education K-6, 6-12 (Collaborative Teacher), and Technical Education. The College of Education also offers secondary certification in the following College of Arts and Sciences programs through a minor in Education: Art, Biology, Chemistry, English/Language Arts, History, Mathematics and Social Science.

The preparation of teachers is built on a liberal arts foundation. Those students preparing for teaching positions in the secondary schools pursue a major through the College of Arts and Sciences with a minor in Education. Teaching certification requirements are completed through the College of Education. Students preparing to teach special education/collaborative, early childhood, and elementary education concentrate on subject matter relevant to the major. Those who are preparing to teach physical education pursue a broad program appropriate to both elementary and secondary schools. Students in the technical education program are preparing to teach their specialized skill areas. All groups complete their programs with specific and appropriate professional courses.

All programs are designed to assist students in acquiring knowledge and abilities to become teachers who participate in positive interactions, show respect for self and others, exhibit interest in the learner and the learning process, assume responsibility, exhibit stewardship of diversity, advocate use of technology, and exhibit fairness and the belief that all students can learn. Faculty model varied methods, strategies and techniques. Students demonstrate attainment of knowledge and skills in campus-based classes and field-based settings. Students will develop an electronic professional portfolio that reflects evolving professional growth and the ability to integrate general learning, subject matter, professional and pedagogical studies. The College of Education conducts follow-up studies of graduates in an effort to assess teaching effectiveness and to secure data vital to future planning and development and offers special assistance to beginning teachers.

Courses that require admission to the Teacher Education Program (TEP) cannot be fulfilled with transfer courses/credit (no exceptions). The State of Alabama articulation agreement requires the University to accept other courses taken at community colleges if such courses satisfy requirements specified for a given degree program. **Changes to the requirements of the Teacher Education Program may occur at any time due to certification changes made by the State Department of Education.** Students are advised to check updated program of study forms for these changes.

Students seeking a degree that leads to certification through a College of Education program, or a College of Arts and Sciences program with a minor in Education, are required to be fingerprinted and ABI/FBI cleared for the Alabama State Department of Education. The student shall be issued a suitability determination from the State Superintendent of Education. The student must provide the Teacher Education Services Department documentation of having cleared the criminal history background check prior to admission to a State-approved teacher education program.

A student whose suitability determination precludes admission to a State-approved teacher education program has the right to due process procedures in accordance with Alabama State Department of Education Rules.

## Field Experience

Field experience, a requirement of the Alabama State Department of Education, is an invaluable opportunity to observe and be involved in real life teaching situations. During P-12 school visits, students will learn pedagogy and management strategies and, in some instances, be allowed to practice their teaching skills. **Field Experiences must be completed in conjunction with assigned courses.** Teacher Candidates cannot receive a grade of Incomplete in courses that include Field Experience requirements. Successful completion of each Field Experience component is required in order to progress in College of Education programs. For additional information about field experience visit the University website: [www.athens.edu/education/field-experiences](http://www.athens.edu/education/field-experiences).

## Professional Review Board

A Professional Review Board composed of education faculty members meets periodically to review unsatisfactory performance and progress of students referred by faculty members. Actions that can cause students to be referred to the Professional Review Board include **but are not limited to** the following: an unacceptable score on a Professional Disposition, or removal of student from field experience and/or internship. Certain actions or misconduct may be violations of the Student Code of Conduct, and may be subject to the disciplinary procedures of the Code. For additional information, see the *Student Code of Conduct and Disciplinary Procedures*.

## Admission into the Teacher Education Program (TEP)

Students seeking a degree that leads to certification through a College of Education program, or a College of Arts and Sciences program with a minor in Education, must apply and be accepted into the Teacher Education Program (TEP). Students applying for admission into the TEP Program must meet all the TEP admission requirements. No more than five courses in the Professional Studies Requirements of the program of study may be completed before admittance to the TEP Program. Check plan of study for approved courses. **Courses that require admission to the TEP Program are not accepted as transfer credit (no exceptions).** For additional information about the Teacher Education Program (TEP) visit the University website: [www.athens.edu/education/tep-info](http://www.athens.edu/education/tep-info).

Students must demonstrate academic competence in the required content. The following Grade Point Averages (GPA) are required for admission into the TEP Program, and for graduation in the degree programs that lead to certification:

- \* **GPA Requirements for College of Education program majors:**  
Cumulative GPA 2.75; Professional Studies GPA 2.75; Teaching Field GPA 2.75
- \* **GPA Requirements for College of Arts and Sciences program majors with a minor in Education:**  
Cumulative GPA 2.75; Professional Studies GPA 2.75; Teaching Field GPA 2.75

### IMPORTANT NOTICE!!!

The State Department of Education retains the right to deny credit for a course with a prerequisite of admission to the Teacher Education Program if that course was taken prior to admission. Students seeking certification who are not admitted to the Teacher Education Program and who register for courses that require admission will be withdrawn from the course by the College of Education.

## Internship (Student Teaching)

The professional Internship Program for interns bridges the gap between theory and practice. The Internship experience is regarded as the most significant laboratory experience in teacher preparation. It is regarded as a period of learning for the intern under the supervision of the classroom teacher, local school, and an Athens State University supervisor. Successful completion of the internship course is required for graduation. For additional information about Internship visit the University website: [www.athens.edu/education/internship](http://www.athens.edu/education/internship).

## Certification

The State Board of Education periodically revises the requirements governing certification in the State of Alabama. Therefore, requirements for degrees leading to certification are subject to change from those published in this catalog. Students are advised to secure a current plan of study from their advisor(s) to ensure that degree requirements and certification requirements are met.

Issuance of Alabama teaching certificates is the legal responsibility of the Alabama State Department of Education. Universities and colleges cannot issue a professional certificate. However, in order to be certified at the professional "B" level, a student must complete an appropriate plan of study at a college or university which has been approved by the State Department of Education. When a student completes the plan of study, the institution recommends to the State Department of Education that the appropriate certificate be awarded. For additional information about certification through Athens State University visit the University website: [www.athens.edu/education/certification](http://www.athens.edu/education/certification).

A student cannot be recommended for certification based on completion of a program for which State approval expired more than seven years prior to the date of program completion.

## Praxis II Requirements

Students seeking a degree that leads to certification through a College of Education program, or a College of Arts and Sciences



program with a minor in Education, and subsequent licensure and certification by the State of Alabama, are required to pass the appropriate Praxis II exams for their program of study. **It is the student's responsibility to schedule, complete tests, and receive test scores prior to placement for internship (student teaching).** A complete listing of these exams along with required scoring information can be reviewed on the College of Education's webpage: [www.athens.edu/education/praxis-ii/](http://www.athens.edu/education/praxis-ii/)

### **Support for Beginning Teachers**

In order to provide support and to assure continued application of and growth in these professional qualities, additional services are available and include remediation within the first two years after the Professional Educator Certificate. The College of Education at Athens State University encourages graduates and public school personnel to contact the College for any of the following support services:

- on-going mentorship of beginning teachers, including utilizing LiveText in day-to-day teaching and planning;
- curriculum laboratory resources;
- one-on-one support conferences;
- content support from other academic areas; and
- site visits.

### **Distance Education**

The College of Education offers one online degree: the Bachelor of Science in Education -Technical Education: Instructional Design. All coursework for this major may be completed via distance learning. For further information regarding distance education, refer to the Academic Policies section in the Introduction and General Information portion of the catalog or the University website.

### **Transfer of Academic Credit – College of Education and College of Arts & Sciences with a minor in Education**

Transferred courses and/or credits used to meet approved program requirements in professional studies, instructional support, or other approved program requirements (other than general education courses and Arts and Sciences courses used to meet academic major requirements) must have been completed at a regionally accredited institution that prepares teachers on the same degree level of certification.

Transfer courses/credit cannot be used to fulfill certain course requirements in programs leading to certification offered by the College of Education, or by the College of Arts and Sciences with a minor in Education. For a complete list of these courses refer to College of Education website: [www.athens.edu/education/transfer-of-academic-credit](http://www.athens.edu/education/transfer-of-academic-credit).

Courses, credits, and/or degrees accepted from institutions outside the United States shall be substantiated by an evaluation of the foreign credentials from a state, federal, or private foreign credential evaluation service recognized by the Alabama State Department of Education Teacher Education and Certification Office. The evaluation must show that courses, credits, and/or degrees were earned at an institution equivalent to a regionally accredited institution in the United States.

Remedial coursework is not accepted for transfer and cannot be used to meet program requirements. It may, however, fulfill prerequisite requirements, if applicable.

If an individual completes a Class B program at an institution and wants to return to the same institution for a new Class B program, professional studies courses common to both approved checklists are not subject to the five-course limit. However, if the individual has taken more than five professional studies courses on the checklist of the second program, no additional professional studies courses may be taken prior to unconditional admission.

## **Degree Programs in the College of Education**

### **General University Requirements for Graduation**

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

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

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

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

## **Bachelor of Science in Education - Early Childhood Education Major (P-3)**

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

Program components for the Bachelor of Science in Education degree with a major in Early Childhood Education:

### **Applicable General University Requirements**

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

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

### **General Education Requirements**

Area	Discipline/Course	Hours
I	<b>Written Composition</b>	<b>6</b>
II	<b>Humanities/Fine Arts (12 hours total)</b>	
	Fine arts course	<b>3</b>
	Speech (SPH 106, 107) course	<b>3</b>
	At least one literature course*	<b>3</b>
	Other courses in humanities or fine arts	<b>3</b>
III	<b>Mathematics and Natural Sciences (11 hours total)</b>	
	Finite math or higher mathematics course	<b>3</b>
	Natural sciences (lab-based) (recommended courses are Biology and Physical Science courses that will help students prepare for the Early Childhood Content Knowledge Praxis II test)	<b>8</b>
IV	<b>History/Behavioral and Social Sciences (12 hours total)</b>	
	At least one history course*	<b>3</b>
	Human Growth and Development course (PSY 210, PSY 211, or PS 332 acceptable)	<b>3</b>
	Other courses in history or behavioral/social science	<b>6</b>
	<b>*Students must complete a 6 hour sequence in either Literature (Area II) or History (Area IV).</b>	
	<b>Total General Education Requirement Hours:</b>	<b>41</b>

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

Area	Discipline/Course	Hours
	Natural Science (lab-based)	<b>4</b>
	Mathematics courses (lower level math 100 or above, <b>not to include Remedial or Technical Math</b> )	<b>6</b>
	One upper level mathematics course (which could include Precalculus Algebra or MA 311 Advanced Math for Teachers)	<b>3</b>
	CHD 206 Children’s Health and Safety	<b>3</b>
	CHD 209 Infant and Toddler Programs <b>or</b> ER 309 Early Brain Development	<b>3</b>
	<b>One of the following courses:</b> CHD 203, CHD 204, CHD 205, CHD 215, ER 318	<b>3</b>
	<b>Total Major Prerequisite Requirement Hours:</b>	<b>22</b>
	<b>Total General Education and Major Prerequisite Requirement Hours:</b>	<b>63</b>

### Professional Studies Course Requirements

Course	Hours
ED 301 Introduction to Teaching	1
ED 302 Foundations of Education	3
ED 305 Technology and Media in Education	3
ED 322 Basic Principles of ELL Education	3
SE 301 Survey of Exceptional Learners	3
<b><u>ER 480 Internship in Early Childhood Education</u></b>	<b>6-12</b>
<b>Total Professional Studies Requirement Hours:</b>	
	<b>19</b>

### Teaching Field Course Requirements

Course	Hours
AR 310 Fine Arts Connection	1
ER 302 Language Development and Developmental Interactions	3
ER 310 Principles of Early Childhood Education	3
<b><u>ER 319 Literacy and Literature for the Young Child</u></b>	<b>3</b>
ER 323 Curriculum & Instruction: Primary Reading	3
ER 326 Assessment in Early Childhood Classrooms	3
ER 327 Classroom Management in Early Childhood Education	3
ER 330 Children's Constructions of Relationships through Arithmetic and Mathematical Reasoning	3
<b><u>ER 430 Investigations, Experimentation &amp; Inquiry</u></b>	<b>3</b>
<b><u>ER 470 Early Childhood Curriculum</u></b>	<b>3</b>
HPE 428 Early Childhood and Elementary Physical Education Curriculum	1
<b>Total Teaching Field Requirement Hours:</b>	
	<b>29</b>

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

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

### Electives

Elective courses may be required to meet minimum degree requirements of 124 hours and upper level credit requirements. These may come from the courses below or other areas and **must be approved by the faculty advisor**. Elective courses may not include Professional Studies coursework.

Course or Area	Hours
ER 309 Early Brain Development	3
ER 318 Literature in Early Childhood Education	3
ER 400 Children's Play as Symbolic Behavior	3
ER 402 Preschool Curriculum	3
ER 420 Parenting and Community Relations	3
<b>Or other advisor approved elective courses from the following programs or areas (see Minors or Course Descriptions catalog section for details):</b>	
Autism and Developmental Disabilities Minor	
Child Advocacy Studies Training (CAST) Certificate (see College of Arts & Sciences section)	
Early Childhood/Special Education Minor	
Educational Technology Minor	

	<b>Course or Area</b>	<b>Hours</b>
	English Language Learner (ELL) Minor	
	Human Development Minor	
	Mathematics Minor	

		<b>Hours</b>
	<b>Total Minimum Hours Required for Completion of Early Childhood Education Major</b>	<b>124</b>

## **Bachelor of Science in Education - Elementary Education Major (K-6)**

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

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

### **Applicable General University Requirements**

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

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

### **General Education Requirements**

Area	Discipline/Course	Hours
I	<b>Written Composition</b>	<b>6</b>
II	<b>Humanities/Fine Arts (12 hours total)</b>	
	Fine arts course	<b>3</b>
	Speech (SPH 106, 107) course	<b>3</b>
	At least one literature course*	<b>3</b>
	Other courses in humanities or fine arts	<b>3</b>
III	<b>Mathematics and Natural Sciences (11 hours total)</b>	
	Finite math or higher mathematics course	<b>3</b>
	Natural sciences (lab-based) (recommended courses are Biology and Physical Science courses that will help students prepare for the Elementary Multiple Subjects Praxis II test)	<b>8</b>
IV	<b>History/Behavioral and Social Sciences (12 hours total)</b>	
	At least one history course*	<b>3</b>
	Human Growth and Development course (PSY 210, PSY 211, or PS 332 acceptable)	<b>3</b>
	Other courses in history or behavioral/social science	<b>6</b>
	<b>*Students must complete a 6 hour sequence in either Literature (Area II) or History (Area IV).</b>	
	<b>Total General Education Requirement Hours:</b>	<b>41</b>

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

Discipline/Course	Hours
One Natural Science course (lab-based)	<b>4</b>
Mathematics courses (lower level math 100 or above, <b>not to include Remedial or Technical Math</b> )	<b>6</b>
One upper level mathematics course (which could include Precalculus Algebra or MA 311 Advanced Math for Teachers)	<b>3</b>
<b>Total Major Prerequisite Requirement Hours:</b>	<b>13</b>
<b>Total General Education and Major Prerequisite Requirement Hours:</b>	<b>54</b>

### Professional Studies Course Requirements

Course	Hours
ED 301 Introduction to Teaching	1
ED 302 Foundations of Education	3
ED 305 Technology and Media in Education	3
ED 322 Basic Principles of ELL Education	3
SE 301 Survey of Exceptional Learners	3
<b><u>EL 482 Internship in Elementary Education</u></b>	<b>6-12</b>
<b>Total Professional Studies Requirement Hours:</b>	
	<b>19</b>

### Teaching Field Course Requirements

Course	Hours
AR 310 Fine Arts Connection	1
EL 315 Principles and Methods of Teaching Kindergarten	3
EL 320 Children's Literature	3
EL 321 Curriculum & Instruction: Language Arts	3
ER 323 Curriculum & Instruction: Primary Reading	3
EL 324 Curriculum & Instruction: Primary Math	3
EL 351 Assessment Strategies for the Elementary Classroom	3
EL 352 Curriculum & Instruction: Management Strategies	3
EL 413 Curriculum & Instruction: Intermediate Reading	3
EL 420 Curriculum & Instruction: Science	3
<b><u>EL 423 Curriculum &amp; Instruction: Social Studies</u></b>	<b>3</b>
<b><u>EL 424 Curriculum &amp; Instruction: Intermediate Mathematics</u></b>	<b>3</b>
<b><u>EL 484 Curriculum Seminar in Elementary Education</u></b>	<b>3</b>
HPE 428 Early Childhood and Elementary Physical Education Curriculum	1
<b>Total Teaching Field Requirement Hours:</b>	
	<b>38</b>

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

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

### Electives

Elective courses may be required to meet minimum degree requirements of 124 hours and upper level credit requirements. These may come from the courses below or other areas and **must be approved by the faculty advisor**. Elective courses may not include Professional Studies coursework.

Course or Area	Hours
ED 312 Cultural Competence and Responsiveness	3
ED 313 Information Literacy for the Teacher Candidate	1
MA 311 Advanced Mathematics for Teachers	3
SE 355 Curriculum & Instruction for Learners with High Incidence Disabilities	3
<b>Or other advisor approved elective courses from the following programs or areas (see Minors or Course Descriptions catalog section for details):</b>	
Autism and Developmental Disabilities Minor	
Early Childhood Minor	
Early Childhood/Special Education Minor	
Educational Technology Minor	

	<b>Course or Area</b>	<b>Hours</b>
	English Language Learner (ELL) Minor	
	Human Development Minor	
	Instructional Design Minor	
	Mathematics Minor	
	Middle Level Education Minor	

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



## Bachelor of Science in Education – Elementary/Collaborative (K-6)

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

Program components for the Bachelor of Science in Education degree with a major in Elementary/Collaborative:

### Applicable General University Requirements

Students earning the Bachelor of Science in Education (B.S.Ed.) degree with a major in Elementary/Collaborative must satisfy all general University requirements and meet all financial obligations before a degree is awarded. **Additional requirements for this program are:**

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

### General Education Requirements

Area	Discipline/Course	Hours
I	<b>Written Composition</b>	<b>6</b>
II	<b>Humanities/Fine Arts (12 hours total)</b>	
	Fine arts course	<b>3</b>
	Speech (SPH 106, 107) course	<b>3</b>
	At least one literature course*	<b>3</b>
	Other courses in humanities or fine arts	<b>3</b>
III	<b>Mathematics and Natural Sciences (11 hours total)</b>	
	Finite math or higher mathematics course	<b>3</b>
	Natural sciences (lab-based) (recommended courses are Biology and Physical Science courses that will help students prepare for the Elementary Content Knowledge Praxis II test)	<b>8</b>
IV	<b>History/Behavioral and Social Sciences (12 hours total)</b>	
	At least one history course*	<b>3</b>
	Human Growth and Development course (PSY 210, PSY 211, or PS 332 acceptable)	<b>3</b>
	Other courses in history or behavioral/social science	<b>6</b>
	<b>*Students must complete a 6 hour sequence in either Literature (Area II) or History (Area IV).</b>	
<b>Total General Education Requirement Hours:</b>		<b>41</b>

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

	Discipline/Course	Hours
	Natural Science course (lab-based)	<b>4</b>
	Mathematics courses (lower level math 100 or above, <b>not to include Remedial or Technical Math</b> )	<b>6</b>
	One upper level mathematics course (which could include Precalculus Algebra or MA 311 Advanced Math for Teachers)	<b>3</b>
<b>Total Major Prerequisite Requirement Hours:</b>		<b>13</b>
<b>Total General Education and Major Prerequisite Requirement Hours:</b>		<b>54</b>

## Professional Studies Course Requirements

Course	Hours
ED 301 Introduction to Teaching	1
ED 302 Foundations of Education	3
ED 305 Technology and Media in Education	3
ED 322 Basic Principles of ELL Education	3
SE 301 Survey of Exceptional Learners	3
<b><u>EL 483 Internship in Elementary Education</u></b>	<b>3-6</b>
<b><u>SE 477 Internship for Collaborative K-6</u></b>	<b>3-6</b>
<b>Total Professional Studies Requirement Hours:</b>	<b>19</b>

## Teaching Field Course Requirements

Course	Hours
AR 310 Fine Arts Connection	1
EL 321 Curriculum & Instruction: Language Arts	3
EL 324 Curriculum & Instruction: Primary Math	3
EL 351 Assessment Strategies for the Elementary Classroom	3
EL 352 Curriculum & Instruction: Management Strategies	3
EL 413 Curriculum & Instruction: Intermediate Reading	3
EL 420 Curriculum & Instruction: Science	3
<b><u>EL 423 Curriculum &amp; Instruction: Social Studies</u></b>	<b>3</b>
<b><u>EL 424 Curriculum &amp; Instruction: Intermediate Mathematics</u></b>	<b>3</b>
<b><u>EL 484 Curriculum Seminar in Elementary Education</u></b>	<b>3</b>
ER 323 Curriculum & Instruction: Primary Reading	3
HPE 428 Early Childhood and Elementary Physical Education Curriculum	1
SE 315 Characteristics & Identification of Students w/Mod. to Severe Disabilities	3
SE 325 Characteristics & Identification of High Incidence Disabilities	3
SE 355 Curriculum & Instruction for Learners with High Incidence Disabilities	3
<b><u>SE 425 Collaboration for Instruction and for Program Planning</u></b>	<b>3</b>
<b><u>SE 435 Curriculum &amp; Instruction for Students with Moderate to Severe Disabilities</u></b>	<b>3</b>
<b>Total Teaching Field Requirement Hours:</b>	<b>47</b>

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

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

## Electives

Elective courses may be required to meet minimum degree requirements of 124 hours and upper level credit requirements. These may come from the courses below or other areas and **must be approved by the faculty advisor**. Elective courses may not include Professional Studies coursework.

Course or Area	Hours
ED 312 Cultural Competence and Responsiveness	3
ED 313 Information Literacy for the Teacher Candidate	1
EL 315 Principles and Methods of Teaching Kindergarten	3
EL 320 Children's Literature	3
MA 311 Advanced Mathematics for Teachers	3
SE 402 Assessment of Exceptional Learners ( <b>strongly recommended</b> )	3

	<b>Course or Area</b>	<b>Hours</b>
	SE 495 Classroom Management and Discipline	<b>3</b>
	<b>Or other advisor approved elective courses from the following programs or areas (see Minors or Course Descriptions catalog section for details):</b>	
	Autism and Developmental Disabilities Minor	
	Early Childhood Minor	
	Early Childhood/Special Education Minor	
	Educational Technology Minor	
	English Language Learner (ELL) Minor	
	Human Development Minor	
	Instructional Design Minor	
	Mathematics Minor	
	Middle Level Education Minor	

		<b>Hours</b>
	<b>Total Minimum Hours Required for Completion of Elementary/Collaborative (K-6) Major</b>	<b>124</b>

## **Bachelor of Science in Education – Physical Education (P-12 Certification)**

The Physical Education curriculum at Athens State University consists of courses which meet the requirements of the State Department of Education for Class “B” Teacher Certification for the professional programs in Physical Education (P-12).

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

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

### **Applicable General University Requirements**

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

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

### **General Education Requirements**

Area	Discipline/Course	Hours
I	<b>Written Composition</b>	<b>6</b>
II	<b>Humanities/Fine Arts (12 hours total)</b>	
	Fine arts course	<b>3</b>
	Speech (SPH 106, 107) course	<b>3</b>
	At least one literature course*	<b>3</b>
	Other courses in humanities or fine arts	<b>3</b>
III	<b>Mathematics and Natural Sciences (11 hours total)</b>	
	Finite math <b>or</b> higher mathematics course	<b>3</b>
	Human Anatomy and Physiology <b>or</b> BI 361 Human Structure & Function	<b>4</b>
	Natural science (lab-based) course	<b>4</b>
IV	<b>History/Behavioral and Social Sciences (12 hours total)</b>	
	At least one history course*	<b>3</b>
	Human Growth and Development course (PSY 210, PSY 211, PS 332, or PS 334 acceptable)	<b>3</b>
	Other courses in history or behavioral/social science	<b>6</b>
	<b>*Students must complete a 6 hour sequence in either Literature (Area II) or History (Area IV).</b>	
	<b>Total General Education Requirement Hours:</b>	<b>41</b>

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

Discipline/Course	Hours
PED 200 Foundations of Physical Education <b>or</b> HPE 326 History and Principles	<b>3</b>
Health (HED 221, 222, 224, or HPE 354) <b>or</b> Fitness/Wellness (HED 199, 226, or PED 100)	<b>3</b>
Safety/First Aid (HED 230, 231) <b>or</b> HPE 323 Aquatics and Advanced Lifesaving	<b>3</b>
Care and Prevention of Athletic Injuries (HED 232 <b>or</b> HPE 333)	<b>3</b>
PED 216 Sports Officiating <b>or</b> HPE 301 Theory of Coaching & Officiating	<b>3</b>
Three different Physical Education activity courses (1 hour each)	<b>3</b>
<b>Total Major Prerequisite Requirement Hours:</b>	<b>18</b>
<b>Total General Education and Major Prerequisite Requirement Hours:</b>	<b>59</b>

### Professional Studies Course Requirements

Course	Hours
ED 301 Introduction to Teaching	1
ED 302 Foundations of Education	3
ED 305 Technology and Media in Education	3
ED 322 Basic Principles of ELL Education	3
SE 301 Survey of Exceptional Learners	3
<b><u>HPE 488 Internship in Physical Education P-12</u></b>	<b>6-12</b>
<b>Total Professional Studies Requirement Hours:</b>	
	<b>19</b>

### Teaching Field Course Requirements

Course	Hours
HPE 322 Analysis and Teaching of Individual Sports	3
HPE 324 Analysis and Teaching of Team Sports	3
HPE 325 Kinesiology	3
HPE 327 Physiology of Exercise	3
HPE 350 Adapted Physical Education and Sports	3
HPE 400 Organization and Administration of Physical Education	3
<b><u>HPE 430 Teaching, Assessment &amp; Management of PE in Elementary</u></b>	<b>3</b>
HPE 431 Motor Development and Physical Activities	3
<b><u>HPE 440 Teaching, Assessment &amp; Management of PE in High School</u></b>	<b>3</b>
<b>Total Teaching Field Requirement Hours:</b>	
	<b>27</b>

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

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

### Electives

Elective courses may be required to meet minimum degree requirements of 124 hours and upper level credit requirements. These may come from the courses below or other areas and **must be approved by the faculty advisor**. Elective courses may not include Professional Studies coursework.

Course	Hours
HPE 321 Analysis & Teach Rhythms and Dance	3
HPE 355 Health Related Fitness & Nutrition	3
HPE 401 Measurement & Evaluation	3
SE 315 Characteristics & Identification of Students w/Mod. to Severe Disabilities	3
SE 325 Characteristics & Identification of High Incidence Disabilities	3
<b>Or other advisor approved electives from courses in the following programs or areas:</b>	
Educational Technology	
Instructional Design	
English Language Learner (ELL)	
<b>Total Minimum Hours Required for Completion of Physical Education Major</b>	
	<b>124</b>

## SPECIAL EDUCATION (Collaborative Teacher)

The Special Education Program at Athens State University is designed to prepare professionals to work with students across various age levels (K-6 or 6-12) who have disabilities. The program provides pre-service training in preparation for the class “B” certificate.

### Bachelor of Science in Education - Special Education (Collaborative Teacher) (K-6)

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

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

#### Applicable General University Requirements

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

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

#### General Education Requirements

Area	Discipline/Course	Hours
I	<b>Written Composition</b>	<b>6</b>
II	<b>Humanities/Fine Arts (12 hours total)</b>	
	Fine arts course	<b>3</b>
	Speech (SPH 106, 107) course	<b>3</b>
	At least one literature course*	<b>3</b>
	Other courses in humanities or fine arts	<b>3</b>
III	<b>Mathematics and Natural Sciences (11 hours total)</b>	
	Finite math <b>or</b> higher mathematics course	<b>3</b>
	Natural sciences (lab-based) (recommended courses are Biology and Physical Science courses that will help students prepare for the Elementary Multiple Subjects Praxis II test)	<b>8</b>
IV	<b>History/Behavioral and Social Sciences (12 hours total)</b>	
	At least one history course*	<b>3</b>
	Human Growth and Development course (PSY 210, PSY 211, or PS 332 acceptable)	<b>3</b>
	Other courses in history or behavioral/social science	<b>6</b>
	<b>*Students must complete a 6 hour sequence in either Literature (Area II) or History (Area IV).</b>	
	<b>Total General Education Requirement Hours:</b>	<b>41</b>

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

	<b>Discipline/Course</b>	<b>Hours</b>
	Natural Science course (lab-based)	<b>4</b>
	Mathematics courses (lower level math 100 or above, <b>not to include Remedial or Technical Math</b> )	<b>6</b>
	One upper level mathematics course (which could include Precalculus Algebra or MA 311 Advanced Math for Teachers)	<b>3</b>
	<b>Total Major Prerequisite Requirement Hours:</b>	<b>13</b>
	<b>Total General Education and Major Prerequisite Requirement Hours:</b>	<b>54</b>

### **Professional Studies Course Requirements**

	<b>Course</b>	<b>Hours</b>
	ED 301 Introduction to Teaching	<b>1</b>
	ED 302 Foundations of Education	<b>3</b>
	ED 305 Technology and Media in Education	<b>3</b>
	ED 322 Basic Principles of ELL Education	<b>3</b>
	SE 301 Survey of Exceptional Learners	<b>3</b>
	<b><u>SE 476 Internship in Collaborative Education K-6</u></b>	<b>6-12</b>
	<b>Total Professional Studies Requirement Hours:</b>	<b>19</b>

### **Teaching Field Course Requirements**

	<b>Course</b>	<b>Hours</b>
	EL 321 Curriculum & Instruction: Language Arts	<b>3</b>
	ER 323 Curriculum & Instruction: Primary Reading	<b>3</b>
	EL 324 Curriculum & Instruction: Primary Math	<b>3</b>
	EL 413 Curriculum & Instruction: Intermediate Reading	<b>3</b>
	<b><u>EL 424 Curriculum &amp; Instruction: Intermediate Mathematics</u></b>	<b>3</b>
	SE 315 Characteristics & Identification of Students w/Mod. to Severe Disabilities	<b>3</b>
	SE 325 Characteristics & Identification of High Incidence Disabilities	<b>3</b>
	SE 355 Curriculum & Instruction for Learners with High Incidence Disabilities	<b>3</b>
	SE 402 Assessment for Exceptional Learners	<b>3</b>
	<b><u>SE 425 Collaboration for Instruction and for Program Planning</u></b>	<b>3</b>
	<b><u>SE 435 Curriculum &amp; Instruction for Students with Moderate to Severe Disabilities</u></b>	<b>3</b>
	SE 455 Language Development and Developmental Interactions	<b>3</b>
	SE 495 Classroom Management and Discipline	<b>3</b>
	<b>Total Teaching Field Requirement Hours:</b>	<b>39</b>

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

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

### **Electives**

Elective courses may be required to meet minimum degree requirements of 124 hours and upper level credit requirements. These may come from the courses below or other areas and **must be approved by the faculty advisor**. Elective courses may

not include Professional Studies coursework.

	<b>Course or Area</b>	<b>Hours</b>
	ED 313 Information Literacy for the Teacher Candidate	<b>1</b>
	SC 333 Teaching Reading/Writing in the Content Areas	<b>3</b>
	SE 415 Transition Planning and Learning Strategies for Adolescents with Disabilities	<b>3</b>
	SE 478 Internship for Collaborative Education 6-12	<b>6-12</b>
	<b>Or other advisor approved elective courses from the following programs or areas (see Minors or Course Descriptions catalog section for details):</b>	
	Autism and Developmental Disabilities Minor	
	Early Childhood/Special Education Minor	
	Educational Technology Minor	
	Instructional Design Minor	
	English Language Learner (ELL) Minor	

		<b>Hours</b>
	<b>Total Minimum Hours Required for Completion of Special Education (K-6) Major</b>	<b>124</b>



## Bachelor of Science in Education - Special Education (Collaborative Teacher) (6-12)

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

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

### Applicable General University Requirements

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

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

### General Education Requirements

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

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

Discipline/Course	Hours	
Natural Science course (lab-based)	<b>4</b>	
Mathematics courses (lower level math 100 or above, <b>not to include Remedial or Technical Math</b> )	<b>6</b>	
One upper level mathematics course (which could include Precalculus Algebra or MA 311 Advanced Math for Teachers)	<b>3</b>	
<b>Total Major Prerequisite Requirement Hours:</b>		<b>13</b>
<b>Total General Education and Major Prerequisite Requirement Hours:</b>		<b>54</b>

### Professional Studies Course Requirements

Course	Hours
ED 301 Introduction to Teaching	1
ED 302 Foundations of Education	3
ED 305 Technology and Media in Education	3
ED 322 Basic Principles of ELL Education	3
SE 301 Survey of Exceptional Learners	3
<b><u>SE 478 Internship in Collaborative Education 6-12</u></b>	<b>6-12</b>
<b>Total Professional Studies Requirement Hours:</b>	
	<b>19</b>

### Teaching Field Course Requirements

Course	Hours
ER 323 Curriculum & Instruction: Primary Reading	3
EL 324 Curriculum & Instruction: Primary Math	3
EL 413 Curriculum & Instruction: Intermediate Reading	3
<b><u>EL 424 Curriculum &amp; Instruction: Intermediate Mathematics</u></b>	<b>3</b>
SC 333 Teaching Reading/Writing in the Content Areas	3
SE 315 Characteristics & Identification of Students w/Mod. to Severe Disabilities	3
SE 325 Characteristics & Identification of High Incidence Disabilities	3
SE 355 Curriculum & Instruction for Learners with High Incidence Disabilities	3
SE 402 Assessment for Exceptional Learners	3
SE 415 Transition Planning & Learning Strategies for Adolescents with Disabilities	3
<b><u>SE 425 Collaboration for Instruction and for Program Planning</u></b>	<b>3</b>
<b><u>SE 435 Curriculum &amp; Instruction for Students with Moderate to Severe Disabilities</u></b>	<b>3</b>
SE 495 Classroom Management and Discipline	3
<b>Total Teaching Field Requirement Hours:</b>	
	<b>39</b>

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

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

### Electives

Elective courses may be required to meet minimum degree requirements of 124 hours and upper level credit requirements. These may come from the courses below or other areas and **must be approved by the faculty advisor**. Elective courses may not include Professional Studies coursework.

Course or Area	Hours
ED 313 Information Literacy for the Teacher Candidate	1
EL 321 Curriculum and Instruction: Language Arts	3
SE 455 Language Development and Developmental Interactions	3
SE 476 Internship for Collaborative Education K-6	6-12
<b>Or other advisor approved elective courses from the following programs or areas (see Minors or Course Descriptions catalog section for details):</b>	
Autism and Developmental Disabilities Minor	
Educational Technology Minor	
Instructional Design Minor	
English Language Learner (ELL) Minor	

	Hours
<b>Total Minimum Hours Required for Completion of Special Education (6-12) Major</b>	<b>124</b>

## TECHNICAL EDUCATION: Secondary Instructor Option (Class B, Secondary Professional Certification)

### Bachelor of Science in Education - Technical Education: Secondary Instructor

Detailed information about the Alabama State Department of Education (ALSDE) requirements and specialty areas for Technical Education can be found at the ALSDE website:

<http://web.alsde.edu/home/Sections/SectionDocuments.aspx?SectionID=52&Subsection=64>

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

Program components for the Bachelor of Science in Education degree with a major in Technical Education – Secondary Instructor:

#### Applicable General University Requirements

Students earning the Bachelor of Science in Education (B.S.Ed.) degree with a major in Technical Education: Secondary Instructor must satisfy all general University requirements and meet all financial obligations before a degree is awarded.

**Additional requirements for this program are:**

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

#### General Education Requirements

Area	Discipline/Course	Hours
I	<b>Written Composition</b>	<b>6</b>
II	<b>Humanities/Fine Arts (12 hours total)</b>	
	Fine arts course	<b>3</b>
	Speech (SPH 106, 107) course	<b>3</b>
	At least one literature course*	<b>3</b>
	Other courses in humanities or fine arts	<b>3</b>
III	<b>Mathematics and Natural Sciences (11 hours total)</b>	
	Finite math or higher mathematics course	<b>3</b>
	Natural sciences (lab-based)	<b>8</b>
IV	<b>History/Behavioral and Social Sciences (12 hours total)</b>	
	At least one history course*	<b>3</b>
	Other courses in history or behavioral/social science (General Psychology is recommended since it is a prerequisite to the Professional Studies PS 330 requirement)	<b>9</b>
	<b>*Students must complete a 6 hour sequence in either Literature (Area II) or History (Area IV).</b>	
	<b>Total General Education Requirement Hours:</b>	<b>41</b>

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

	<b>Discipline/Course</b>	<b>Hours</b>
	Up to 18 hours from 100, 200, 300 or 400 level coursework (credit given for courses here may not be used in other areas)	<b>18</b>
	Up to 21 hours from documented full-time work in program technical field (Minimum 5 years work experience) (Credit given for work experience may not be used in other areas)	<b>21</b>
	<b>Total Major Prerequisite Requirement Hours:</b>	<b>18-39</b>
	<b>Total General Education and Major Prerequisite Requirement Hours:</b>	<b>59-80</b>

### **Professional Studies Course Requirements**

	<b>Course</b>	<b>Hours</b>
	ED 301 Introduction to Teaching	<b>1</b>
	ED 302 Foundations of Education	<b>3</b>
	SC 333 Teaching Reading/Writing in Content Areas	<b>3</b>
	PS 330 Educational Psychology	<b>3</b>
	<b><u>CE 487 Internship in Technical Education**</u></b>	<b>6-12</b>
	** or CE 460 Directed Study/Research Career/Technical Education (In-service teachers <b>ONLY</b> who have completed the ALSDE NTI)	
	<b>Total Professional Studies Requirement Hours:</b>	<b>16</b>

### **Teaching Field Course Requirements**

	<b>Course</b>	<b>Hours</b>
	CE 302 History and Principles of Career Technical Education	<b>3</b>
	CE 305 Meeting Needs of Exceptional Career Technical Education Students	<b>3</b>
	CE 432 Teaching Career/Technical Education	<b>3</b>
	CE 433 Learning Resources and Technology in Career Technical Education	<b>3</b>
	CE 434 Course Development and Evaluation in Career Technical Education	<b>3</b>
	CE 435 Industrial Health and Shop Safety	<b>3</b>
	CE 438 Classroom/Laboratory Management & Student Leadership Development	<b>3</b>
	CE 439 Career/Technical Student Youth Organizations	<b>3</b>
	<b><u>CE 440 Testing/Evaluation in Career Technical Education</u></b>	<b>3</b>
	CE 445 Functions of the Coordinator	<b>3</b>
	<b>Total Teaching Field Requirement Hours:</b>	<b>30</b>

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

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

### **Electives**

Elective courses may be required to meet minimum degree requirements of 124 hours and upper level credit requirements. These may come from the courses below or other areas and **must be approved by the faculty**

**advisor.** Elective courses may not include Professional Studies coursework.

	<b>Course</b>	<b>Hours</b>
	CE 303 Professional Education Communication	<b>3</b>
	CE 307 IC^3 Preparation	<b>3</b>
	CE 436 Career/Technical Information and Guidance	<b>3</b>
	CE 470 Practicum-Supervised Work Experience	<b>3</b>
	CE 471 Practicum-Supervised Work Experience	<b>3</b>
	CE 472 Practicum-Supervised Work Experience	<b>3</b>
	EC 348 Labor Economics	<b>3</b>
	ED 307 Teaching Strategies for the Digital Age	<b>3</b>
	ED 308 Curriculum Design and Assessment for the e-classroom	<b>3</b>

		<b>Hours</b>
	<b>Total Minimum Hours Required for Completion of Technical Education: Secondary Instructor (Class B, Secondary Professional Certification) Major</b>	<b>124</b>

## TECHNICAL EDUCATION: Early Instructor Option (No Class B Certification)

### Bachelor of Science in Education - Technical Education: Early Instructor

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

Program components for the Bachelor of Science in Education degree with a major in Technical Education – Early Instructor:

#### Applicable General University Requirements

Students earning the Bachelor of Science in Education (B.S.Ed.) degree with a major in Technical Education: Early Instructor must satisfy all general University requirements and meet all financial obligations before a degree is awarded.

#### General Education Requirements

Area	Discipline/Course	Hours
I	<b>Written Composition</b>	<b>6</b>
II	<b>Humanities/Fine Arts (12 hours total)</b>	
	Fine arts course	<b>3</b>
	Speech (SPH 106, 107) course	<b>3</b>
	At least one literature course*	<b>3</b>
	Other courses in humanities or fine arts	<b>3</b>
III	<b>Mathematics and Natural Sciences (11 hours total)</b>	
	Finite math or higher mathematics course	<b>3</b>
	Natural sciences (lab-based)	<b>8</b>
IV	<b>History/Behavioral and Social Sciences (12 hours total)</b>	
	At least one history course*	<b>3</b>
	Other courses in history or behavioral/social science ( <b>PSY 211 Child Growth and Development Principles recommended</b> )	<b>9</b>
	<b>*Students must complete a 6 hour sequence in either Literature (Area II) or History (Area IV).</b>	
<b>Total General Education Requirement Hours:</b>		<b>41</b>

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

	Discipline/Course	Hours
	Up to 18 hours from child development, humanities/fine arts, mathematics, natural science, history/behavioral science, and social science  HED 221 Personal Health, HED 224 Personal and Community Health, HED 230 Safety and First Aid, HED 231 First Aid accepted  CE 450, CE 451, CE 452, CE 470, CE 471, CE 472, CE 483, CE 484, CE 485 accepted  (Credit given for courses here may not be used in other areas)	<b>18</b>
	Up to 21 hours from documented full-time work in program technical field (Minimum 5 years work experience) (Credit given for work experience may not be used in other areas)	<b>21</b>
<b>Total Major Prerequisite Requirement Hours:</b>		<b>18-39</b>
<b>Total General Education and Major Prerequisite Requirement Hours:</b>		<b>59-80</b>

### Professional Course Requirements

Course	Hours
CE 310 Principles of Early Childhood Education	3
CE 319 Literacy and Literature for the Young Child	3
CE 330 <u>or</u> ER 330 Children's Constructions of Relationships through Arithmetic & Math Reasoning	3
CE 402 <u>or</u> ER 402 Preschool Curriculum	3
ER 302 Language Development and Developmental Interactions	3
ER 309 Early Brain Development	3
ER 430 Investigations, Experimentation & Inquiry	3
CE 327 <u>or</u> ER 327 Classroom Management in Early Childhood Education	3
<b>Total Professional Course Requirement Hours:</b>	
	<b>24</b>

### Early Instructor Electives – 12 Hours Required

Course	Hours
<p><b>Complete 12 semester hours</b> from the following (all courses listed are 3 semester hour courses unless otherwise noted):</p> <p>CE 326 <u>or</u> ER 326 Assessment in Early Childhood Classrooms            CE 322 <u>or</u> ED 322 Basic Principles of ELL Education            CA 301 Perspectives on Child Maltreatment &amp; Child Advocacy            CA 302 Global Child Advocacy Issues            CA 401 Child Advocacy II: Professional and System Responses to Child Maltreatment <b>(4 Hrs.)</b>            CE 400 Children's Play</p> <p><b>No more than 2 of the following electives allowed in this area:</b>            CHD 202 Children's Creative Experiences            CHD 206 Children's Health and Safety            CHD 209 Infant and Toddler Education Programs            CHD 210 Educating Exceptional Children</p>	<b>12</b>
<b>Total Early Instructor Electives Requirement Hours:</b>	
	<b>12</b>

### Administration/Management Electives – 6 Hours Required

Course	Hours
<p><b>Complete 6 semester hours</b> from the following (all courses listed are 3 semester hour courses unless otherwise noted):</p> <p>CHD 208 Administration of Child Development Programs            ER 450 Administering/Managing Early Childhood Programs            CE 303 <u>or</u> ER 303 Professional Education Communication            CE 420 Parenting and Community Relations</p>	<b>6</b>
<b>Total Administration/Management Electives Requirement Hours:</b>	
	<b>6</b>

### Additional Required Electives

Additional elective courses may be required to meet minimum degree requirements of 124 hours. These may come from courses listed above or other areas. Elective courses not included in this program **must be approved by the faculty advisor.**

	Hours
<b>Total Minimum Hours Required for Completion of Technical Education: Early Instructor (No Class B Certification) Major</b>	<b>124</b>

## TECHNICAL EDUCATION: Instructional Design Option (No Class B Certification)

### Bachelor of Science in Education - Technical Education: Instructional Design

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

Program components for the Bachelor of Science in Education degree with a major in Technical Education – Instructional Design:

#### Applicable General University Requirements

Students earning the Bachelor of Science in Education (B.S.Ed.) degree with a major in Technical Education: Instructional Design must satisfy all general University requirements and meet all financial obligations before a degree is awarded.

#### General Education Requirements

Area	Discipline/Course	Hours
I	<b>Written Composition</b>	<b>6</b>
II	<b>Humanities/Fine Arts (12 hours total)</b>	
	Fine arts course	<b>3</b>
	Speech (SPH 106, 107) course	<b>3</b>
	At least one literature course*	<b>3</b>
	Other courses in humanities or fine arts	<b>3</b>
III	<b>Mathematics and Natural Sciences (11 hours total)</b>	
	Finite math or higher mathematics course	<b>3</b>
	Natural sciences (lab-based)	<b>8</b>
IV	<b>History/Behavioral and Social Sciences (12 hours total)</b>	
	At least one history course*	<b>3</b>
	Other courses in history or behavioral/social science	<b>9</b>
	<b>*Students must complete a 6 hour sequence in either Literature (Area II) or History (Area IV).</b>	
	<b>Total General Education Requirement Hours:</b>	<b>41</b>

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

	Discipline/Course	Hours
	Up to 18 hours from 100, 200, 300 or 400 level coursework (credit given for courses here may not be used in other areas)	<b>18</b>
	Up to 21 hours from documented full-time work in program technical field (Minimum 5 years work experience) (Credit given for work experience may not be used in other areas)	<b>21</b>
	<b>Total Major Prerequisite Requirement Hours:</b>	<b>18-39</b>
	<b>Total General Education and Major Prerequisite Requirement Hours:</b>	<b>59-80</b>



### Professional Course Requirements

Course	Hours
CE 306 Introduction to Instructional Design	3
CE 430 Instructional Strategies for Adult Learners	3
PS 336 Psychology of Learning	3
MG 353 Project Management <b>or</b> MG 357 Project Detailed Scheduling and Planning	3
CE 308 Information Design and Visual Literacy	3
ED 305 Technology and Media in Education	3
CE 465 Instructional Design Capstone	3
<b>Total Professional Course Requirement Hours:</b>	<b>21</b>

### Instructional Design Electives – 2 Courses Required

Course	Hours
Choose <b>two</b> of the following courses: CE 307 IC <sup>3</sup> Preparation CE 444 Design and Instruction of Online Training CE 448 Assessment of Instructional Design ED 307 Teaching Strategies for the Digital Age ED 407 Emerging Instructional Technologies ED 411 Curriculum Technology Integration for Secondary and Adult Learners EL 351 Assessment Methods	6
<b>Total Instructional Design Elective Requirement Hours:</b>	<b>6</b>

### Multimedia Development Electives – 2 Courses Required

Course	Hours
Choose <b>two</b> of the following courses: AR 335 Topics in Adobe Photoshop AR 405 Interface Design Management AR 410 Adobe I llustrator Design AR 435 Computer Graphic Design	6
<b>Total Multimedia Development Elective Requirement Hours:</b>	<b>6</b>

### Interpersonal Communication/Management Elective – 1 Course Required

Course	Hours
Choose <b>one</b> of the following courses: EH 333 Acting EH 401 Speech: Conflict Management MG 320 Organizational Communication MG 358 Project Initiation/Scope Management MG 413 Project Communication, Management and Leadership MG 417 Management of Change	3
<b>Total Interpersonal Comm./Mgmt. Elective Requirement Hours:</b>	<b>3</b>

### **Additional Electives**

Additional elective courses may be required to meet minimum degree requirements of 124 hours. These may come from courses listed below or other areas. Elective courses not listed below **must be approved by the faculty advisor.**

	<b>Course</b>	<b>Hours</b>
	CE 450, 451, or 452 Practicum in Advanced Technical Studies	<b>3</b>
	CE 470, 471, or 472 Practicum-Supervised Work Experience	<b>3</b>
	CE 483, 484, or 485 Practicum in Teaching and Training	<b>3</b>
	Additional Courses from Instructional Design Electives block (above) not already used to fulfill major requirements	<b>3</b>
	Additional Courses from Multimedia Development Electives block (above) not already used to fulfill major requirements	<b>3</b>
	Additional Courses from Interpersonal Communication/Management Elective block (above) not already used to fulfill major requirements	<b>3</b>

		<b>Hours</b>
	<b>Total Minimum Hours Required for Completion of Technical Education: Instructional Design (No Class B Certification) Major</b>	<b>124</b>

## TECHNICAL EDUCATION: Military Instructor Option (No Class B Certification)

Military Instructors work in public and private colleges, professional schools, junior or community colleges, community-based programs, career and vocational schools, government agencies, and within business and industry. Military Instructor candidates learn and apply the fundamental principles of effective teaching in a variety of learning environments enabling them to plan, develop, administer and evaluate learning experiences that meet the diverse needs of adult learners.

### Bachelor of Science in Education -Technical Education: Military Instructor

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

**Program components for the Bachelor of Science in Education degree with a major in Technical Education – Military Instructor:**

#### Applicable General University Requirements

Students earning the Bachelor of Science in Education (B.S.Ed.) degree with a major in Technical Education: Military Instructor must satisfy all general University requirements and meet all financial obligations before a degree is awarded.

#### General Education Requirements

Area	Discipline/Course	Hours
I	<b>Written Composition</b>	<b>6</b>
II	<b>Humanities/Fine Arts (12 hours total)</b>	
	Fine arts course	<b>3</b>
	Speech (SPH 106, 107) course	<b>3</b>
	At least one literature course*	<b>3</b>
	Other courses in humanities or fine arts	<b>3</b>
III	<b>Mathematics and Natural Sciences (11 hours total)</b>	
	Finite math or higher mathematics course	<b>3</b>
	Natural sciences (lab-based)	<b>8</b>
IV	<b>History/Behavioral and Social Sciences (12 hours total)</b>	
	At least one history course*	<b>3</b>
	Other courses in history or behavioral/social science	<b>9</b>
	<b>*Students must complete a 6 hour sequence in either Literature (Area II) or History (Area IV).</b>	
<b>Total General Education Requirement Hours:</b>		<b>41</b>

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

	Discipline/Course	Hours
	Up to 18 hours from 100, 200, 300 or 400 level coursework (credit given for courses here may not be used in other areas)	<b>18</b>
	Up to 21 hours from documented full-time work in program technical field (Minimum 5 years work experience) (Credit given for work experience may not be used in other areas)	<b>21</b>
<b>Total Major Prerequisite Requirement Hours:</b>		<b>18-39</b>
<b>Total General Education and Major Prerequisite Requirement Hours:</b>		<b>59-80</b>

**Professional Course Requirements**

Course	Hours
CE 300 Foundations of Technical Education I	3
CE 302 History and Principles of Career/Technical Education	3
CE 432 Teaching Career/Technical Education	3
CE 433 Learning Resources and Technology in Career Technical Education	3
CE 440 Testing and Evaluation in Career/Technical Education	3
<b>Total Professional Course Requirement Hours:</b>	<b>15</b>

**Professional Electives and Practica – 15 Hours Required**

Course	Hours
<p><b>Complete 15 semester hours</b> from the following (all courses listed are 3 semester hour courses unless otherwise noted):</p> <ul style="list-style-type: none"> <li>CE 303 Professional Education Communications</li> <li>CE 307 IC^3 Preparation</li> <li>CE 430 Instructional Strategies for Adult Learners</li> <li>CE 434 Course Development &amp; Evaluation in Career Technical Education</li> <li>CE 435 Industrial Shop Safety</li> <li>CE 436 Career Technical Information and Guidance</li> <li>CE 438 Classroom/Laboratory Management &amp; Student Leadership Development</li> <li>CE 439 Career Technical Student Youth Organizations</li> <li>CE 441 Special Topics in Career Technical Education (1 Hr.)</li> <li>CE 442 Special Topics in Career Technical Education (2 Hrs.)</li> <li>CE 450 Practicum in Advanced Technical Studies</li> <li>CE 451 Practicum in Advanced Technical Studies</li> <li>CE 452 Practicum in Advanced Technical Studies</li> <li>CE 460 Directed Study/Research Career/Technical Education (1-9 Hrs.)</li> <li>CE 470 Practicum-Supervised Work Experience</li> <li>CE 471 Practicum-Supervised Work Experience</li> <li>CE 472 Practicum-Supervised Work Experience</li> <li>CE 483 Practicum in Teaching and Training</li> <li>CE 484 Practicum in Teaching and Training</li> <li>CE 485 Practicum in Teaching and Training</li> <li>PS 330 Education Psychology</li> </ul>	15
<b>Total Professional Electives/Practica Requirement Hours:</b>	<b>15</b>

**Business Industry Electives\* – 6 Hours Required**

Course	Hours
<p><b>Complete 6 semester hours</b> from the following (all courses listed are 3 semester hour courses unless otherwise noted):</p> <ul style="list-style-type: none"> <li>EC 310 Modern Economics</li> <li>EC 311 Economic Geography</li> <li>EC 348 Labor Economics</li> <li>GBA 314 Business Ethics</li> <li>PS 368 Industrial and Organizational Psychology</li> <li>SO 304 Sociology of Work</li> <li>BUS 190J Ethics in the Workplace (1 Hr.)</li> <li>BUS 190L Developing a Business Plan (1 Hr.)</li> <li>BUS 190P Planning for Supervising Human Resources (1 Hr.)</li> <li>BUS 190Q Planning Market Strategy (1 Hr.)</li> <li>BUS 263 The Legal and Social Environment of Business</li> </ul>	6

	BUS 275 Principles of Management BUS 279 Small Business Management  *Or other electives approved by faculty advisor	
<b>Total Business Industry Electives Requirement Hours:</b>		<b>6</b>

**Leadership and Interpersonal Communication Skills\* – 6 Hours Required**

Course	Hours	
<p><b>Complete 6 semester hours</b> from the following (all courses listed are 3 semester hour courses unless otherwise noted):</p> <p>EH 311 Drama Production EH 401 Speech: Conflict Management MG 413 Project Communication, Management and Leadership MG 417 Management of Change MG 320 Organizational Communication MG 346 Principles of Management and Leadership MG 358 Project Initiation/Scope Management MG 375 Organizational Management and Teambuilding BUS 190C Teambuilding <b>(1 Hr.)</b> BUS 190D Self-Management <b>(1 Hr.)</b> BUS 190F Organizational Communication <b>(1 Hr.)</b> BUS 190G Interpersonal Relations for Management <b>(1 Hr.)</b> BUS 190H Time/Project Management <b>(1 Hr.)</b> BUS 190Y Leadership Skills <b>(1 Hr.)</b> BUS 215 Business Communication Skills SPH 116 Introduction to Interpersonal Communication SPH 206 Oral Interpretation</p> <p>*Or other electives approved by faculty advisor</p>	<b>6</b>	
<b>Total Leadership/Interpersonal Communication Requirement Hours:</b>		<b>6</b>

**Additional Required Electives**

Additional elective courses may be required to meet minimum degree requirements of 124 hours. These may come from courses listed above or other areas. Elective courses not included in this program **must be approved by the faculty advisor.**

	Hours
<b>Total Minimum Hours Required for Completion of Technical Education: Military Instructor (No Class B Certification) Major</b>	<b>124</b>

## TECHNICAL EDUCATION: Post-Secondary Instructor Option (No Class B Certification)

Post-Secondary Instructors work in public and private colleges, professional schools, junior or community colleges, community-based programs, career and vocational schools, government agencies, and within business and industry. Post-Secondary Instructor candidates learn and apply the fundamental principles of effective teaching in a variety of learning environments, enabling them to plan, develop, administer and evaluate learning experiences that meet the diverse needs of adult learners.

### Bachelor of Science in Education -Technical Education: Post-Secondary Instructor

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

**Program components for the Bachelor of Science in Education degree with a major in Technical Education – Post-Secondary Instructor:**

#### Applicable General University Requirements

Students earning the Bachelor of Science in Education (B.S.Ed.) degree with a major in Technical Education: Post-Secondary Instructor must satisfy all general University requirements and meet all financial obligations before a degree is awarded.

#### General Education Requirements

Area	Discipline/Course	Hours
I	<b>Written Composition</b>	<b>6</b>
II	<b>Humanities/Fine Arts (12 hours total)</b>	
	Fine arts course	<b>3</b>
	Speech (SPH 106, 107) course	<b>3</b>
	At least one literature course*	<b>3</b>
	Other courses in humanities or fine arts	<b>3</b>
III	<b>Mathematics and Natural Sciences (11 hours total)</b>	
	Finite math or higher mathematics course	<b>3</b>
	Natural sciences (lab-based)	<b>8</b>
IV	<b>History/Behavioral and Social Sciences (12 hours total)</b>	
	At least one history course*	<b>3</b>
	Other courses in history or behavioral/social science	<b>9</b>
	<b>*Students must complete a 6 hour sequence in either Literature (Area II) or History (Area IV).</b>	
	<b>Total General Education Requirement Hours:</b>	<b>41</b>

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

	Discipline/Course	Hours
	Up to 18 hours from 100, 200, 300 or 400 level coursework (credit given for courses here may not be used in other areas)	<b>18</b>
	Up to 21 hours from documented full-time work in program technical field (Minimum 5 years work experience) (Credit given for work experience may not be used in other areas)	<b>21</b>
	<b>Total Major Prerequisite Requirement Hours:</b>	<b>18-39</b>
	<b>Total General Education and Major Prerequisite Requirement Hours:</b>	<b>59-80</b>

**Professional Course Requirements**

Course	Hours
CE 300 Foundations of Technical Education I	3
CE 302 History and Principles of Career/Technical Education	3
CE 432 Teaching Career/Technical Education	3
CE 433 Learning Resources and Technology in Career/Technical Education	3
CE 434 Course Development and Evaluation in Career/Technical Education	3
CE 438 Classroom/Laboratory Management & Student Leadership Development	3
CE 440 Testing and Evaluation in Career/Technical Education	3
<b>Total Professional Course Requirement Hours:</b>	
	<b>21</b>

**Professional Electives and Practica – 12 Hours Required**

Course	Hours
<p><b>Complete 12 semester hours</b> from the following (all courses listed are 3 semester hour courses unless otherwise noted):</p> <ul style="list-style-type: none"> <li>CE 303 Professional Education Communications</li> <li>CE 307 IC<sup>3</sup> Preparation</li> <li>CE 430 Instructional Strategies for Adult Learners</li> <li>CE 435 Industrial Shop Safety</li> <li>CE 436 Career Technical Information and Guidance</li> <li>CE 439 Career Technical Student Youth Organizations</li> <li>CE 441 Special Topics in Career Technical Education (1 Hr.)</li> <li>CE 442 Special Topics in Career Technical Education (2 Hrs.)</li> <li>CE 450 Practicum in Advanced Technical Studies</li> <li>CE 451 Practicum in Advanced Technical Studies</li> <li>CE 452 Practicum in Advanced Technical Studies</li> <li>CE 460 Directed Study/Research Career/Technical Education (1-9 Hrs.)</li> <li>CE 470 Practicum-Supervised Work Experience</li> <li>CE 471 Practicum-Supervised Work Experience</li> <li>CE 472 Practicum-Supervised Work Experience</li> <li>CE 483 Practicum in Teaching and Training</li> <li>CE 484 Practicum in Teaching and Training</li> <li>CE 485 Practicum in Teaching and Training</li> <li>PS 330 Education Psychology</li> </ul>	12
<b>Total Professional Electives/Practica Requirement Hours:</b>	
	<b>12</b>

**Business Industry Electives\* – 6 Hours Required**

Course	Hours
<p><b>Complete 6 semester hours</b> from the following (all courses listed are 3 semester hour courses unless otherwise noted):</p> <ul style="list-style-type: none"> <li>EC 310 Modern Economics</li> <li>EC 311 Economic Geography</li> <li>EC 348 Labor Economics</li> <li>GBA 314 Business Ethics</li> <li>PS 368 Industrial and Organizational Psychology</li> <li>SO 304 Sociology of Work</li> <li>BUS 190J Ethics in the Workplace (1 Hr.)</li> <li>BUS 190L Developing a Business Plan (1 Hr.)</li> <li>BUS 190P Planning for Supervising Human Resources (1 Hr.)</li> <li>BUS 190Q Planning Market Strategy (1 Hr.)</li> <li>BUS 263 The Legal and Social Environment of Business</li> </ul>	6

	BUS 275 Principles of Management BUS 279 Small Business Management *Or other electives approved by faculty advisor	
<b>Total Business Industry Electives Requirement Hours:</b>		<b>6</b>

**Leadership and Interpersonal Communication Skills\* – 6 Hours Required**

Course	Hours	
<p><b>Complete 6 semester hours</b> from the following (all courses listed are 3 semester hour courses unless otherwise noted):</p> <p>EH 311 Drama Production EH 401 Speech: Conflict Management MG 413 Project Communication, Management and Leadership MG 417 Management of Change MG 320 Organizational Communication MG 346 Principles of Management and Leadership MG 358 Project Initiation/Scope Management MG 375 Organizational Management and Teambuilding BUS 190C Teambuilding <b>(1 Hr.)</b> BUS 190D Self-Management <b>(1 Hr.)</b> BUS 190F Organizational Communication <b>(1 Hr.)</b> BUS 190G Interpersonal Relations for Management <b>(1 Hr.)</b> BUS 190H Time/Project Management <b>(1 Hr.)</b> BUS 190Y Leadership Skills <b>(1 Hr.)</b> BUS 215 Business Communication Skills SPH 116 Introduction to Interpersonal Communication SPH 206 Oral Interpretation</p> <p>*Or other electives approved by faculty advisor</p>	<b>6</b>	
<b>Total Leadership/Interpersonal Communication Requirement Hours:</b>		<b>6</b>

**Additional Required Electives**

Additional elective courses may be required to meet minimum degree requirements of 124 hours. These may come from courses listed above or other areas. Elective courses not included in this program **must be approved by the faculty advisor.**

	Hours
<b>Total Minimum Hours Required for Completion of Technical Education: Post -Secondary Instructor (No Class B Certification) Major</b>	<b>124</b>



## **Bachelor of Science in Education – Educational Studies Major**

**Note: Completion of this major does not make a student eligible for teaching licensure and certification by the Alabama State Department of Education.**

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

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

### **Applicable General University Requirements**

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

### **General Education Requirements**

Area	Discipline/Course	Hours
I	<b>Written Composition</b>	<b>6</b>
II	<b>Humanities/Fine Arts (12 hours total)</b>	
	Fine arts course	<b>3</b>
	Speech (SPH 106, 107) course	<b>3</b>
	At least one literature course*	<b>3</b>
	Other course in humanities or fine arts	<b>3</b>
III	<b>Mathematics and Natural Sciences (11 hours total)</b>	
	Finite Math <b>or</b> higher mathematics course	<b>3</b>
	Natural Sciences (lab based)	<b>8</b>
IV	<b>History/Behavioral and Social Sciences (12 hours total)</b>	
	At least one history course*	<b>3</b>
	Other courses in history or behavioral/social science	<b>9</b>
	<b>*Students must complete a 6 hour sequence in either Literature (Area II) or History (Area IV).</b>	
	<b>Total General Education Requirement Hours:</b>	<b>41</b>

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

	Discipline/Course	Hours
	100, 200, 300 or 400 level coursework (credit given for courses here may not be used in other areas)	<b>19</b>
	<b>Total Major Prerequisite Requirement Hours:</b>	<b>19</b>
	<b>Total General Education and Major Prerequisite Requirement Hours:</b>	<b>60</b>

### **Professional Studies Course Requirements**

	Course	Hours
	ED 301 Introduction to Teaching	<b>1</b>
	ED 302 Foundations of Education	<b>3</b>
	ED 305 Technology and Media in Education	<b>3</b>
	ED 322 Basic Principles of ELL Education	<b>3</b>
	SE 301 Survey of Exceptional Learners	<b>3</b>
	ED/CE 483 <b>or</b> ED/CE 484 <b>or</b> ED/CE 485 Practicum in Teaching and Training (two courses required)	<b>6</b>
	<b>Total Professional Studies Requirement Hours:</b>	<b>19</b>

### **Concentration Course Requirements**

In addition to the Professional Studies requirements above, students must complete all coursework for one of the concentrations below.

#### **Concentration in Career and Technical Education**

<b>Career and Technical Education Courses</b>		
CE 432 Teaching Career/Technical Education		<b>3</b>
CE 461 Related Training Career and Technical Education		<b>3</b>
CE 483 <u>or</u> CE 484 <u>or</u> CE 485 Practicum in Teaching and Training (at least one is required)		<b>3</b>
Other Courses in Career and Technical Education (see course descriptions for credit hours and possible prerequisites): CE 300, CE 302, CE 305, CE 307, CE 430, CE 433, CE 434, CE 435, CE 436, CE 437, CE 438, CE 439, CE 440, CE 441, CE 442, CE 445, CE 446, CE 450, CE 451, CE 452, CE 459, CE 461, CE 469, CE 470, CE 471, CE 472, CE 483, CE 484, CE 485		<b>18</b>
<b>Total Concentration Requirement Hours:</b>		<b>27</b>

#### **Concentration in Collaborative Education**

<b>Collaborative Education Courses</b>		
Courses in Special Education (see course descriptions for credit hours and possible prerequisites): SE 315, SE 325, SE 335, SE 355, SE 402, SE 425, SE 435, SE 455, SE 495  HPE 428 <u>or</u> HPE 429 (only one of these HPE courses may be applied towards the concentration)		<b>24</b>
SE 465 IEPs and Other Legal Issues		<b>3</b>
<b>Total Concentration Requirement Hours:</b>		<b>27</b>

#### **Concentration in Early Childhood Education**

<b>Early Childhood Education Courses</b>		
Courses in Early Childhood Education (see course descriptions for credit hours and possible prerequisites): ER 302, ER 303, ER 310, ER 319, ER 323, ER 326, ER 327, ER 330, ER 430  HPE 428 <u>or</u> HPE 429 (only one of these HPE courses may be applied towards the concentration)		<b>24</b>
ER 470 Early Childhood Curriculum		<b>3</b>
<b>Total Concentration Requirement Hours:</b>		<b>27</b>

#### **Concentration in Educational Technology**

<b>Educational Technology Courses</b>		
ED 307 Teaching Strategies for the Digital Age		<b>3</b>
ED 308 Curriculum Design and Assessment for the e-Classroom		<b>3</b>
ED 410 Curriculum Integration of Technology for Elementary Learners <u>or</u> ED 411 Curriculum Integration of Technology for Secondary and Adult Learners		<b>3</b>
Other Courses in Education, Technology or Design (see course descriptions for credit hours and possible prerequisites): AR 335, AR 410, AR 435, ED 407, ED 408, ED 409, ED 410, ED 411		<b>18</b>
<b>Total Concentration Requirement Hours:</b>		<b>27</b>

### Concentration in Elementary Education

<b>Elementary Education Courses</b>		
	Courses in Elementary Education (see course descriptions for credit hours and possible prerequisites): EL 315, EL 320, EL 321, EL 324, EL 351, EL 352, EL 413, EL 420, EL 423, EL 424, ER 323  HPE 428 <b>or</b> HPE 429 (only one of these HPE courses may be applied towards the concentration)	<b>24</b>
	ED 484 Curriculum Seminar in Elementary Education	<b>3</b>
	<b>Total Concentration Requirement Hours:</b>	<b>27</b>

### Concentration in English Language Learners

<b>English Language Learner Courses</b>		
	ED 325 Theoretical Foundations of Language Acquisitions	<b>3</b>
	ED 404 Materials and Methods for Teaching English Language Learners	<b>3</b>
	ED 405 Assessment of English Language Learners	<b>3</b>
	Other Courses in Cultures, Education, English, or Languages (see course descriptions for credit hours and possible prerequisites): ED 312, EH 320, ER 302, ER 319, HU 313, HU 314, SPA 101, SPA 102, SPA 201, SPA 202, SO 301, SO 312	<b>18</b>
	<b>Total Concentration Requirement Hours:</b>	<b>27</b>

### Concentration in Health

<b>Health Courses</b>		
	Courses in Health, Nutrition, Fitness, and Exercise (see course descriptions for credit hours and possible prerequisites): GS 320, HPE 323, HPE 325, HPE 327, HPE 333, HPE 354, HPE 355, HPE 356, HPE 401, HPE 420, HPE 427, HPE 431, HPE 450, HS 320, HS 400, HS 447, HS 451	<b>24</b>
	HPE 465 Senior Research Project	<b>3</b>
	<b>Total Concentration Requirement Hours:</b>	<b>27</b>

### Concentration in Instructional Design

<b>Instructional Design Courses</b>		
	PS 336 Psychology of Learning	<b>3</b>
	CE 306 Introduction to Instructional Design	<b>3</b>
	CE 308 Information Design and Visual Literacy	<b>3</b>
	CE 448 Assessment in Instructional Design	<b>3</b>
	CE 465 Instructional Design Capstone	<b>3</b>
	Other Courses in Education, Technology, Design, or Management (see course descriptions for credit hours and possible prerequisites): AR 335, AR 410, AR 435, CE 307, CE 430, CE 444, ED 307, ED 407, ED 411, EL 351, MG 353, MG 357, MG 413, SC 362	<b>12</b>
	<b>Total Concentration Requirement Hours:</b>	<b>27</b>

### **Concentration in Physical Education**

	<b>Health Courses</b>	
	Courses in Health and Physical Education (see course descriptions for credit hours and possible prerequisites): HPE 301, HPE 321, HPE 321, HPE 322, HPE 323, HPE 324, HPE 325, HPE 326, HPE 327, HPE 333, HPE 350, HPE 354, HPE 355, HPE 400, HPE 401, HPE 430, HPE 431, HPE 440  HPE 428 <b>or</b> HPE 429 (only one of these HPE courses may be applied towards the concentration)	<b>24</b>
	HPE 465 Senior Research Project	<b>3</b>
	<b>Total Concentration Requirement Hours:</b>	<b>27</b>

In addition to the requirements above, students must complete additional electives in approved areas.

### **Educational Studies Additional Electives**

	<b>Course or Area*</b>	<b>Hours</b>
	Educational Technology Minor Courses	
	English Language Learner (ELL) Minor Courses	
	Health Fitness Minor Courses	
	Instructional Design Minor Courses	
	*Electives in other areas must be submitted by the faculty advisor for approval through the University Curriculum Adjustment process	
	<b>Total Additional Elective Requirement Hours:</b>	<b>18</b>

A minor is not required.

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

## LICENSURE/CERTIFICATION FOR GRADES P-12 OR 6-12

**Students who wish to be certified to teach grades P-12 or 6-12 must successfully complete an approved degree from the College of Arts and Sciences including completion of the required Professional Studies courses for a Minor in Education offered by the College of Education.**

Degree programs with minors in Education are offered in:

- Art with Minor in Education (P-12)
- Biology with Minor in Education (6-12)
- Chemistry with Minor in Education (6-12)
- English/Language Arts with Minor in Education (6-12)
- History with Minor in Education (6-12)
- Mathematics with Minor in Education (6-12)
- Social Science with Minor in Education (6-12)

**See the College of Arts and Sciences section of the catalog for detailed descriptions of the programs with Minors in Education.**

## College of Education Certificate Programs

The College of Education at Athens State University offers the following specialized certificates. **A grade of "C" or better must be achieved on all required courses.**

### Certificate in Educational Technology

	Course	Hours
	ED 305 Technology and Media in Education (taken Fall 2011 or later)	3
	ED 307 Teaching Strategies for the Digital Age	3
	ED 308 Curriculum Design and Assessment for the e-Classroom	3
	ED 410 Curriculum Integration of Technology for Elementary Learners <b>or</b> ED 411 Curriculum Integration of Technology for Secondary and Adult Learners	3
	<b>Total Required Hours:</b>	<b>12</b>

### Certificate in English Language Learner

	Course	Hours
	ED 322 Basic Principles of ELL Education	3
	ED 325 Theoretical Foundations of Language Acquisitions	3
	ED 404 Methods and Materials for Teaching English Language Learners	3
	ED 405 Assessment of English Language Learners	3
	<b>Total Required Hours:</b>	<b>12</b>

### Certificate in Instructional Design

	Course	Hours
	CE 306 Introduction to Instructional Design	3
	CE 308 Information Design and Visual Literacy	3
	CE 444 Design and Instruction of Online Training	3
	<b>Elective Course – Choose one of the courses listed below:</b>	<b>3</b>
	ED 305 Technology and Media in Education (taken Fall 2011 or later)	
	AR 335 Topics in Adobe Photoshop	
	AR 410 Adobe Illustrator Design	
	AR 435 Computer Graphic Design	
	<b>Total Required Hours:</b>	<b>12</b>

### Certificate in Instructional Technology

	Course	Hours
	ED 305 Technology and Media in Education (taken Fall 2011 or later)	3
	ED 308 Curriculum Design and Assessment for the e-Classroom	3
	ED 411 Curriculum Integration of Technology for Secondary and Adult Learners	3
	CE 430 Instructional Strategies for Adult Learners	3
	<b>Total Required Hours:</b>	<b>12</b>

## Minors

Degree-seeking students can choose to complete coursework for one or more minors in addition to the coursework required for a degree/major. In order to have completion of the minor(s) noted on the official transcript, all requirements for each minor being pursued must be completed, and additional minors must **not** have more than 6 semester hours of course requirements in common with any other minor. As specified in the *General University Requirements for Graduation* policy, in order to earn the minor, a student must complete **a minimum of six (6) semester hours of upper-level coursework in the minor from Athens State University.**

**Students cannot receive credit for completing minors that clearly overlap any majors being completed; for example, a student majoring in Biology cannot receive credit for completion of a minor in Biology.**

Some degree programs require students to complete a minor (approved by the academic advisor) in addition to the coursework required for the degree/major. These degree and program specific requirements are published in the appropriate degree/major section of the University catalog.

<b>College of Arts and Sciences: Minors Available</b>
Art
Art History
Behavioral Science
Biology
Chemistry
Computer Forensics
Computer Networking
Computer Science
Criminal Justice
Drama
English
Gender/Multicultural Studies
Gerontology
Globalization
Health Fitness
History
Human Development
Information Security – <b>open to Information Technology majors (either option) only</b>
Information Technology
Marine Science
Mathematics
Music (Vocal)
Political Science
Psychology
Public Safety and Health Administration
Religion
Religious Education
Sociology

<b>College of Business: Minors Available</b>
Accounting – <b>not open to Accounting majors</b>
Acquisition and Contract Management
Aviation Management
Business Administration – <b>open to non-College of Business majors only</b>
Enterprise Systems Management
Finance
Forensic Accounting
Health Care Management
Human Resource Management
Information Assurance Management
Information Systems Management

<b>College of Business: Minors Available</b>
International Business
Logistics and Supply Chain Management
Marketing
Operations Management
Project Management
Small Business/Entrepreneurship – <b>not open to Accounting with Minor majors</b>
Tailored Business Minor – <b>open to College of Business majors only</b>

<b>College of Education: Minors Available</b>
Autism and Developmental Disabilities
Early Childhood Education
Early Childhood/Special Education
Educational Technology
English Language Learner (ELL)
Instructional Design
Middle Level Education
Professional Studies



## **Accounting Minor**

This minor is open to students in all majors except for students in the Accounting major options. **Please consult course descriptions for possible prerequisites.**

	<b>Course</b>	<b>Hours</b>
	AC 305 Fundamentals of Accounting I <b>or</b> BUS 241 Principles of Accounting I	<b>3</b>
	AC 306 Fundamentals of Accounting II <b>or</b> BUS 242 Principles of Accounting II	<b>3</b>
	AC 315 Managerial Accounting <b>or</b> BUS 248 Managerial Accounting	<b>3</b>
	AC 321 Intermediate Accounting I	<b>3</b>
	AC 322 Intermediate Accounting II	<b>3</b>
	<b>One course from the following:</b> AC 312 Law for Accountants AC 323 Intermediate Accounting III AC 361 Federal Tax Accounting I AC 362 Federal Tax Accounting II AC 401 Auditing AC 435 Governmental Accounting AC 441 Special Topics in Accounting AC 451 Forensic Accounting I AC 452 Forensic Accounting II	<b>3</b>
	<b>Total Required Hours for Accounting Minor:</b>	<b>18</b>

## **Acquisition and Contract Management Minor**

This minor is open to students in all majors except for students in the Acquisition and Contract Management major option. **Please consult course descriptions for possible prerequisites.**

	<b>Course</b>	<b>Hours</b>
	ACM 394 Introduction to Acquisition and Contract Management	<b>3</b>
	ACM 395 Acquisition and Contract Management Pricing	<b>3</b>
	ACM 396 Acquisition and Contract Management Administration	<b>3</b>
	ACM 397 Acquisition and Contract Management Negotiations	<b>3</b>
	ACM 398 Government Contract Law	<b>3</b>
	ACM 400 Advanced Acquisition and Contract Research/Project	<b>3</b>
	<b>Total Required Hours for Acquisition and Contract Management Minor:</b>	<b>18</b>

## **Art Minor**

This minor is open to students in all majors except for students in the Art major options. **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.

	<b>Course</b>	<b>Hours</b>
	AR 312 Figure Drawing	<b>3</b>
	AR 423 History of Modern Art	<b>3</b>
	AR 424 Late Modern Art History	<b>3</b>
	AR 430 Advanced Drawing and Design <b>or</b> AR 410 Adobe Illustrator Design	<b>3</b>
	Art Electives	<b>6</b>
	<b>Total Required Hours for Art Minor:</b>	<b>18</b>

## 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 student's major 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).

	Course	Hours
	AR 342 Art of the Ancient Americas	3
	AR 343 Renaissance Art History	3
	AR 421/RE 421 Sacred Art in History	3
	AR 423 History of Modern Art	3
	AR 424 Late Modern Art History	3
	AR 426 Critical Theories in Art	3
	<b>Total Required Hours for Art History Minor:</b>	<b>18</b>

## Autism and Developmental Disabilities Minor

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

	Course	Hours
	SE 460 Students on the Autism Spectrum	3
	SE 462 Evidence-Based Intervention Strategies for Autism and Developmental Disabilities	3
	SE 464 Using Behavior Analysis for Effective Teaching	3
	SE 466 Supporting Children & Adults with Complex Communication Needs	3
	<b>Two courses from the following (courses from other areas may be considered as approved by the faculty advisor through the University Curriculum Adjustment process):</b>	<b>6</b>
	<b>Special Education Electives</b> SE 301 Survey of Exceptional Learners SE 315 Characteristics & Identification of Students w/Mod. to Severe Disabilities SE 402 Assessment of Exceptional Learners SE 435 Curriculum & Instruction for Students w/Moderate to Severe Disabilities	
	<b>Cultural Studies/Child Development Electives</b> ED 312 Cultural Competence and Responsiveness PSY 210 Human Growth and Development PSY 211 Child Growth and Development <b>or</b> PS 332 Child Psychology PS 334 Adolescent Psychology <b>or</b> PS 335 Adult Psychology PS/SO 301 Gender and Multicultural Studies	
	<b>Total Required Hours for Autism and Developmental Disabilities Minor:</b>	<b>18</b>

### **Aviation Management Minor**

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

Course	Hours
MG 471 Aviation Law	3
MG 472 Aviation Safety and Security Management	3
MG 473 Mgt. of Air Traffic Control Fund	3
MG 474 General Aviation Management <u>or</u> MG 390 Operations Management	3
MG 475 Aviation Weather Management	3
MG 47x Aviation Management Elective	3
<b>Total Required Hours for Aviation Management Minor:</b>	<b>18</b>

### **Behavioral Science Minor**

This minor is open to students in all majors except for students in the Behavioral Science major option. **Please consult course descriptions for possible prerequisites.**

Course	Hours
PS 334 Adolescent Psychology	3
PS 335 Adult Psychology	3
SO 312 Majority/Minority Relations	3
SO 362 Deviant Social Behavior	3
<b>One course from this group:</b> PS 304 Drugs and Behavior PS 352 Abnormal Psychology PS 406 Physiological Psychology	3
<b>One course from this group:</b> PS 331 Social Psychology PS 332 Child Psychology PS 402 Clinical Psychology SO 360 Contemporary American Family SO 471 Aging in a Mass Society	3
<b>Total Required Hours for Behavioral Science Minor:</b>	<b>18</b>

### **Biology Minor**

This minor is open to students in all majors except for students in the Biology major options. **Please consult course descriptions for possible prerequisites.** A minor in Biology 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.

Course	Hours
Principles of Biology I, II or the equivalent	8
Biology Electives	10
<b>Total Required Hours for Biology Minor:</b>	<b>18</b>

### **Business Administration Minor**

This minor is open to non-business majors only. **Please consult course descriptions for possible prerequisites.**

Course	Hours
AC 305 Fundamentals of Accounting I	3
EC 310 Modern Economics <u>or</u> ECO 231 Principles of Macroeconomics	3
GBA 305 Statistical Methods of Business I	3
GBA 311 The Legal Environment of Business	3
MG 320 Organizational Communication*	3
MG 346 Prin. of Management & Leadership* <u>or</u> BUS 275 Principles of Management	3
MG 350 Financial Management*	3
MK 331 Marketing Principles* <u>or</u> BUS 285 Principles of Marketing	3
<b>*LiveText is required for these courses</b>	
<b>Total Required Hours for Business Administration Minor:</b>	<b>24</b>

## **Chemistry Minor**

This minor is open to students in all majors except for students in the Chemistry major options. **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.

Course	Hours
College Chemistry I and II	8
CH 324 /CH 324L Analytical Chemistry	4
Upper Level 300/400 Chemistry courses approved by Chemistry Faculty Advisor	8
<b>Total Required Hours for Chemistry Minor:</b>	<b>20</b>

## **Computer Forensics Minor (for non-CS and non-ITE majors)**

Students in Criminal Justice or majors/minors **other** than Computer Science (CS), Information Technology (ITE), or Information Technology: Computer Networking Option must complete the following courses for a minor in Computer Forensics.

Course	Hours
CS 317 Computer Science I <b>or</b> sufficient score on Placement Exam*	0-3
ITE 315 Scripting Languages and System Administration	3
CJ/PO 302 Criminal Law	3
CJ 400 Law Enforcement in America	3
ITE 420 Fundamentals of Information Security	3
ITE 421 Digital Forensics	3
CS 454 System Security Management	3
* Students who have completed CIS 251 C** Programming or the equivalent may take a placement exam. Following the policy in place for students majoring in Computer Science or Information Technology, the CS 317 requirement (zero hours awarded) may be waived provided a sufficient score is achieved on this exam.	
<b>Total Required Hours for Computer Forensics Minor (non-CS, non-ITE majors):</b>	<b>18-21</b>

## **Computer Forensics Minor (for CS and ITE majors only)**

Students majoring in Computer Science (CS), Information Technology (ITE), or Information Technology: Computer Networking Option must complete the following courses for a minor in Computer Forensics.

Course	Hours
CJ 301 Criminal Justice Process <b>or</b> CJ 401 Adult Corrections <b>or</b> CJ 452 Advanced Criminology <b>or</b> CH 302 Introduction to Forensic Science	3
CJ/PO 302 Criminal Law	3
CJ 400 Law Enforcement in America	3
ITE 420 Fundamentals of Information Security	3
ITE 421 Digital Forensics	3
CS 454 System Security Management	3
<b>Total Required Hours for Computer Forensics Minor (CS and ITE majors):</b>	<b>18</b>

## **Computer Networking Minor (for non-CS and non-ITE majors)**

Students in majors **other** than Computer Science (CS), Information Technology (ITE), or the Information Technology: Computer Networking option must complete the following courses for a minor in Computer Networking.

Course	Hours
CS 309/309L Introduction to Digital Logic Design	4
CN 301 Networking Fundamentals	2
CN 302 Local Area Networks	2
CN 303 Wide Area Networks	2
CN 304 Network Architecture	2
CN 401 Internetworking Devices	2
CN 402 The Internet	2

	CN 403 Network Processes and Protocols	2
	CN 404 Enterprise Network Design and Management	2
	CN 405/405L Network Security and Network Security Lab	4
	<b>Total Required Hours for Computer Networking Minor (non-CS, non-ITE majors):</b>	<b>24</b>

### **Computer Networking Minor (for CS, ITE majors only)**

This minor is not open to students in the Information Technology: Computer Networking option. Students majoring in Computer Science (CS) or Information Technology (ITE) must complete the following courses for a minor in Computer Networking.

	Course	Hours
	CN 301 Networking Fundamentals	2
	CN 302 Local Area Networks	2
	CN 303 Wide Area Networks	2
	CN 304 Network Architecture	2
	CN 401 Internetworking Devices	2
	CN 402 The Internet	2
	CN 403 Network Processes and Protocols	2
	CN 404 Enterprise Network Design and Management	2
	CN 405/405L Network Security and Network Security Lab	4
	<b>Total Required Hours for Computer Networking Minor (CS and ITE majors):</b>	<b>20</b>

### **Computer Science Minor**

This minor is open to students in all majors except for students in the Computer Science, Information Technology, or Information Technology: Computer Networking major options. **Please consult course descriptions for possible prerequisites.**

	Course	Hours
	MA 308 Discrete Mathematics	3
	Microcomputer Applications	3
	CS 309/CS309L Introduction to Digital Logic Design	4
	CS 317 Computer Science I	3
	CS 318 Computer Science II	3
	CS 372 Data Structures	3
	CS 472 Algorithm Analysis	3
	<b>Total Required Hours for Computer Science Minor:</b>	<b>22</b>

### **Criminal Justice Minor**

This minor is open to students in all majors except for students in the Criminal Justice major options. **Please consult course descriptions for possible prerequisites.**

	Course	Hours
	CJ 301 Criminal Justice Process	3
	CJ 302 Criminal Law	3
	CJ 452 Advanced Criminology	3
	Criminal Justice or Children's Advocacy Studies Training (CAST) Electives	9
	<b>Total Required Hours for Criminal Justice Minor:</b>	<b>18</b>

## **Drama Minor**

This minor is open to students in all majors except for students in the Drama and Theatre Arts major option. **Please consult course descriptions for possible prerequisites.** Students must choose six (6) of the below listed courses and are required to take at least one class from each category (unless they receive prior approval from the English Department faculty member).

	<b>Course</b>	<b>Hours</b>
	<b><u>Dramatic Literature &amp; Criticism (at least one course from this category):</u></b> EH 313 Modern American Drama EH 331 Dramatic Theory & Criticism EH 426 Renaissance Drama EH 455 Theatre for Young Audiences	<b>3</b>
	<b><u>Performance: (at least one course from this category):</u></b> EH 333 Acting I EH 334 Acting II: Scene Study and Acting Shakespeare EH 335 Movement and Stage Combat	<b>3</b>
	<b><u>Production (at least one course from this category):</u></b> EH 311 Drama Production EH 319 Technical Theater EH 322 Costume Design EH 466 Practicum in Production	<b>3</b>
	<b><u>Other (at least one course from this category):</u></b> EH 310 Film: History, Development, and Evaluation EH 332 Adaptation and the Arts EH 405 Playwriting	<b>3</b>
	<b>Two additional courses from the above categories</b>	<b>6</b>
	<b>Total Required Hours for Drama Minor:</b>	<b>18</b>

## **Early Childhood Education Minor**

This minor is open to students in all majors except for students in the Early Childhood Education major option. **Please consult course descriptions for possible prerequisites.**

	<b>Course</b>	<b>Hours</b>
	CHD 201 Child Growth and Development <b>or</b> PSY 210 Human Growth and Development <b>or</b> PSY 211 Child Growth and Development <b>or</b> PS 332 Child Psychology	<b>3</b>
	EL 315 Principles and Methods of Teaching Kindergarten	<b>3</b>
	ER 318 Literature in Early Childhood Education	<b>3</b>
	ER 327 Classroom Management in Early Childhood Education	<b>3</b>
	<b>Two courses from the following:</b> ER 302 Language Development and Developmental Interactions ER 309 Early Brain Development ER 319 Literacy and Literature for the Young Child ER 326 Assessment in Early Childhood Classrooms ER 400 Children's Play as Symbolic Behavior ER 402 Preschool Curriculum ER 420 Parenting and Community Relations ER 430 Investigation, Experimentation and Inquiry	<b>6</b>
	<b>Total Required Hours for Early Childhood Education Minor:</b>	<b>18</b>

## **Early Childhood/Special Education Minor**

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

	<b>Course</b>	<b>Hours</b>
	SE 301 Survey of Exceptional Learners	<b>3</b>
	SE 303 Introduction to Early Childhood Special Education	<b>3</b>
	SE 315 Characteristics & Identification of Students w/Mod. to Severe Disabilities	<b>3</b>
	SE 400 Methods Adapting Early Childhood Curricula for Children with Special Needs	<b>3</b>
	<b>Two courses from the following:</b> ER 302 Language Development and Developmental Interactions	<b>6</b>

	ER 309 Early Brain Development ER 318 Literature in Early Childhood <b>or</b> EL 320 Children’s Literature ER 326 Assessment in Early Childhood Classrooms ER 400 Children’s Play as Symbolic Behavior ER 402 Preschool Curriculum PSY 210 Human Growth and Development* <b>or</b> PS 332 Child Psychology  *Prerequisite: PSY 200 General Psychology	
	<b>Total Required Hours for Early Childhood Education Minor:</b>	<b>18</b>

### **Educational Technology Minor**

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

Course	Hours
ED 307 Teaching Strategies for the Digital Age*	<b>3</b>
ED 308 Curriculum Design and Assessment for the e-Classroom*	<b>3</b>
ED 410 Curriculum Integration of Technology for Elementary Learners* <b>or</b> ED 411 Curriculum Integration of Technology for Secondary and Adult Learners*	<b>3</b>
<b>Educational Technology Electives</b> - Choose <b>two</b> of the following courses:  ED 407 Emerging Instructional Technologies* ED 408 Issues and Trends in Educational Technology* ED 409 Special Topics in Educational Technology (by permission of instructor only)* ED 413 Interactive Learning Environments*  * <b>These courses require intermediate-level technology/computer skills (e.g., word processing, slide presentations, and basic video production)</b>	<b>6</b>
<b>Multimedia Elective***</b> - Choose <b>one</b> of the following courses:  ED 305 Technology and Media in Education AR 335 Topics in Adobe Photoshop AR 410 Adobe Illustrator Design AR 435 Computer Graphic Design  ART 178 Audio-Visual Techniques ART 221 Computer Graphics ART 253 Graphic Design I AR 254 Graphic Design II ART 283 Graphic Animation I ART 284 Graphic Animation II CAT 283 Graphics and Animation CIS 151 Graphics for the World Wide Web CIS 197C Dreamweaver <b>or</b> CIS 197D Flash <b>or</b> CIS 197H Photoshop CIS 208 Intermediate Web Development CIS 209 Advanced Web Development CIS 223 Three Dimensional Computer Modeling CIS 224 Three Dimensional Computer Animation VCM 254 Graphic Design VCM 255 Advanced Graphic Design VCM 285 Multimedia Production VCM 286 Advanced Multimedia Production *** <b>Other elective courses may be considered as approved by the faculty advisor through the University Curriculum Adjustment process</b>	<b>3</b>
<b>Total Required Hours for Educational Technology Minor:</b>	<b>18</b>

## English Minor

This minor is open to students in all majors except for students in the English major options. **Please consult course descriptions for possible prerequisites.** At least 12 semester hours of the requirements for the English minor must be taken at Athens State University.

	Course	Hours
	EH 312 Dramatic Literature	3
	EH 425 Shakespeare	3
	EH 431 Poetry and Poetics	3
	<b>Four courses from the following:</b> EH 304 Southern Literature EH 307 Major Authors I EH 308 Major Authors II EH 314 19 <sup>th</sup> Century British Studies EH 316 American Masterpieces EH 325 Myth: Ritual and Culture EH 330 Literary and Critical Theory 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	12
<b>Total Required Hours for English Minor:</b>		<b>21</b>

## English Language Learner (ELL) Minor

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

	Course	Hours
	ED 322 Basic Principles of ELL Education	3
	ED 325 Theoretical Foundations of Language Acquisition	3
	ED 404 Methods and Materials for Teaching English Language Learners (Prerequisites: ED 322 or ED 325)	3
	ED 405 Assessment of English Language Learners	3
	<b>ELL Electives – Choose two of the courses listed below*</b>	6
	<b>Language Electives</b> EH 320 Grammar EH 454 Young Adult Literature EL 320 Children's Literature ER 302 Language Development and Developmental Interactions ER 318 Literature in Early Childhood Education ER 319 <b>or</b> CE 319 Literacy and Literature for the Young Child HPS 113 Spanish for Health Care Professionals HU 313 <b>or</b> HU 314 Beginning Spanish Conversation and Culture I/II (or another foreign language) SC 333 Teaching Reading/Writing in the Content Areas SPA 101 <b>or</b> SPA 102 Introductory Spanish I/II (or another foreign language introductory course) SPA 201 <b>or</b> SPA 202 Intermediate Spanish I/II (or another foreign language intermediate course)	
	<b>Cultural Studies/Child Development Electives</b> CA 302 Global Child Advocacy Issues ED 312 Cultural Competence and Responsiveness EL 315 Principles and Methods of Teaching Kindergarten PSY 210 Human Growth and Development PSY 211 Child Growth And Development (Prerequisite: PSY 200) PS 332 Child Psychology RE 300 Religion, Culture, and Media	



	SE 455 Language Development and Developmental Interactions SO 301 Introduction to Multicultural Studies SO 312 Majority/Minority Group Relations  *Or other advisor approved electives	
<b>Total Required Hours for ELL Minor:</b>		<b>18</b>

### **Enterprise Systems Management Minor**

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

Course	Hours
ESM 300 Enterprise Systems & Business Processes	3
ESM 410 Business Intelligence Systems	3
ESM Elective (ESM 320, 330, 340, 400, 420, <u>or</u> 425)	3
ISM 400 Information Management	3
ISM 401 Systems Design Management	3
ISM 404 Managing Information Resources	3
<b>Total Required Hours for Enterprise Systems Management Minor:</b>	
<b>18</b>	

### **Finance Minor**

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

Course	Hours
ECO 231 Principles of Macroeconomics or the equivalent	3
ECO 232 Principles of Microeconomics or the equivalent	3
MG 350 Financial Management	3
FIN 301 Financial Institutions and Markets	3
<b>Select 2 courses from the following:</b> FIN 355 General Insurance <u>or</u> FIN 356 Real Estate EC 410 International Finance & Monetary Economics FIN 412 Money & Capital Markets FIN 414 Investments	6
<b>Total Required Hours for Finance Minor:</b>	
<b>18</b>	

### **Forensic Accounting Minor**

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

Course	Hours
AC 312 Law for Accountants	3
AC 442 Advanced Auditing and Fraud Examination	3
AC 451 Forensic Accounting I	3
AC 452 Forensic Accounting II	3
GBA 314 Business Ethics	3
<b>One course from the following:</b> AC 362 Federal Tax Accounting II AC 431 Advanced Accounting AC 435 Governmental Accounting AC 441 Special Topics in Accounting IAM 409 Management of Information Assurance	3
<b>Total Required Hours for Forensic Accounting Minor:</b>	
<b>18</b>	

## Gender and Multicultural Studies Minor

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

**To fulfill the requirements for the 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.**

	Course	Hours
	PS/SO 301 Gender and Multicultural Studies	3
	<b>Humanities (choose one course from this category):</b> AR 423 History of Modern Art AR 424 Late Modern Art History EH 325 Myth: Ritual and Culture EH 401 Speech: Conflict Management EH/RE 416 Interpreting the Text EH 440 African-American Studies EL 320 Children's Literature HY/HU 330 Landmarks of Civilization RE 301 Religions that Shaped the World RE 312 History of Judaism RE 314 History of Islam	3
	<b>Social &amp; Behavioral Science: (choose one course from this category):</b> CJ 452 Advanced Criminology ED 312 Cultural Competence and Responsiveness GO 340 South America, Africa and Asia PH 300 Moral Values in Today's Society PO/SO 351 American Public Policy/Political Sociology PS 331 Social Psychology SE 301 Introduction to Exceptional Learners SO 312 Majority/Minority Group Relations SO 360 Contemporary American Family SS 400 Culture and Globalization	3
	<b>Business (choose one course from this category):</b> EC 348 Labor Economics MG 352 International Business MG 412 Cultural Diversity & Communication Issues in International Business PS 368 Industrial and Organizational Psychology	3
	Three additional courses from the above categories	9
	<b>Total Required Hours for Gender and Multicultural Studies Minor:</b>	<b>21</b>

## Gerontology Minor

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

	Course	Hours
	PS 335 Adult Psychology	3
	PS 406 Physiological Psychology	3
	SO 471 Aging in a Mass Society	3
	<b>Three courses from the following:</b> BI 320 Human Nutrition (Co-requisite: BI 320L)* HCM 340 Health Care Systems (Prerequisite: MG 346) HCM 355 Survey of Issues in Health Care Management (Prerequisite: MG 346) HCM 356 Legal and Ethical Issues in Health Care Management (Prerequisite: HCM 340) HPE 325 Kinesiology (Prerequisite: Anatomy and Physiology) HPE 327 Physiology and Exercise (Prerequisite: Anatomy & Physiology) HPE 355 Health Related Fitness and Nutrition HS 355 Health Policy in the U.S. PH 320 Biomedical Ethics PS/SO 443 Special Topics in Psychology/Sociology (related to Gerontology) PS/SO 463 Directed Study in Psychology/Sociology (related to Gerontology)	9

	PS/SO 498 Internship in Psychology/Sociology (related to Gerontology) SO 352 Sociology of Health and Illness SO 353 Sociology of Death and Dying <b>*Courses with co-requisite one-hour labs will total 4 semester hours</b>	
<b>Total Required Hours for Gerontology Minor:</b>		<b>18</b>

### **Globalization Minor**

This minor is open to students in all majors, although it is designed particularly for students majoring in business who want to gain a better political, historical, geographical, and anthropological understanding of the global aspects of commerce and business. It is also intended to allow students in the business programs to broaden their educations with courses outside of business subjects, as is repeatedly and consistently recommended by Fortune 500 companies and AACSB accreditors. **Please consult course descriptions for possible prerequisites.**

Course	Hours	
One of the following sequences: HIS 121 and 122 World History I and II FRN 101 and 102 Introductory French I and II GRN 101 and 102 Introductory German I and II SPA 101 and 102 Introductory Spanish I and II HU 313 and 314 Beginning Spanish Conversation & Culture I and II <b>or</b> Two upper level courses dealing with Global or Globalization topics (approved by the faculty)	<b>6</b>	
HY 430 Globalization: Theory and History	<b>3</b>	
HY 431 Human Expansion: A History of Trade, Travel, Tourism, and Empires	<b>3</b>	
PO 453 International Relations: America and the World	<b>3</b>	
SS 400 Culture and Globalization	<b>3</b>	
<b>Total Required Hours for Globalization Minor:</b>		<b>18</b>

### **Health Care Management Minor**

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

Course	Hours	
HCM 340 Intro. to Health Care Systems	<b>3</b>	
HCM 345 Management of Health Care Org.	<b>3</b>	
HCM 355 Survey of Issues in HCM	<b>3</b>	
HCM 356 Legal & Ethical Issues in Health Care Management	<b>3</b>	
HCM 440 Ambulatory Care Management	<b>3</b>	
HCM 460 Health Care Management Senior Seminar	<b>3</b>	
<b>Total Required Hours for Health Care Management Minor:</b>		<b>18</b>

### **Health Fitness Minor**

This minor is open to students in all majors except for students in the Health and Wellness Management major option. **Please consult course descriptions for possible prerequisites.**

Course	Hours
PED 200 Foundations of Physical Education <b>or</b> HPE 326 History and Principles of Physical Education	<b>3</b>
HED 221 Personal Health <b>or</b> HED 222 Community Health <b>or</b> HPE 354 Contemporary Health	<b>3</b>
HPE 355 Health-Related Fitness and Nutrition	<b>3</b>
HPE 356 Health Promotion	<b>3</b>
<b><u>Choose two courses from the following:</u></b> HPE 325 Kinesiology HPE 327 Physiology of Exercise	<b>6</b>

	HPE 401 Measurement and Evaluation HS 400 Public Safety and Health Education HS 447 Public Health Concepts and Systems	
<b>Total Required Hours for Health Fitness Minor:</b>		<b>18</b>

### **History Minor**

This minor is open to students in all majors except for students in the History major options . **Please consult course descriptions for possible prerequisites.**

Course	Hours	
American History	6	
European History	6	
Non-Western History	3	
History Elective	3	
<b>Total Required Hours for History Minor:</b>		<b>18</b>

### **Human Development Minor**

This minor is open to students in all majors. **At least 12 hours towards the minor must be completed at Athens State University. Please consult course descriptions for possible prerequisites.**

Course	Hours
PS 332 Child Psychology	3
PS 334 Adolescent Psychology	3
PS 335 Adult Psychology	3
<b>A minimum of three courses* from the following:</b>	<b>9</b>
BI 302 Genetics (Co-requisite: BI 302L)*	
BI 320 Human Nutrition (Co-requisite: BI 320L)*	
BI 361 Human Structure and Function (Co-requisite: BI 361L)*	
BI 424 Animal Physiology (Co-requisite: BI 424L)*	
CA 301 Perspectives in Child Maltreatment & Child Advocacy	
CA 302 Global Child Advocacy Issues	
CA 401 Child Advocacy II: Professional & System Resp. to Child Maltreatment	
CJ 453 Juvenile Delinquency	
HS 320/PH 320 Biomedical Ethics	
HS 355 Health Policy in the U.S.	
PSY 210 Human Growth and Devel. <u>or</u> PSY 211 Child Growth and Devel.	
PS 330 Educational Psychology	
SO 353 Sociology of Death and Dying	
SO 360 Contemporary American Family	
SO 471 Aging in a Mass Society	
ER 302 Language Development and Developmental Interactions	
ER 309 Early Brain Development	
ER 310 <u>or</u> CE 310 Principles of Early Childhood Education	
ER 330 <u>or</u> CE 330 Children's Constructions of Relationships through Arithmetic & Mathematical Reasoning	
ER 400 <u>or</u> CE 400 Children's Play as Symbolic Behavior	
ER 402 <u>or</u> CE 402 Preschool Curriculum	
ER 420 <u>or</u> CE 420 Parenting and Community Relations	
HPE 325 Kinesiology	
HPE/HWM 354 Contemporary Health	
HPE 431 Motor Development and Physical Activities	
SE 301 Survey of Exceptional Learners	
SE 303 Introduction to Early Childhood Special Education	
SE 315 Characteristics & Identification of Students w/Mod. to Severe Disabilities	
SE 325 Characteristics and Identification of High Incidence Disabilities	
SE 460 Students on the Autism Spectrum	
SE 462 Evidence-Based Intervention Strategies for Autism & Devel. Disabilities	

	SE 464 Using Behavior Analysis for Effective Teaching SE 466 Supporting Children & Adults with Complex Communication Needs	
	<b>*Courses with co-requisite one-hour labs will total 4 semester hours</b>	
	<b>Total Required Hours for Human Development Minor:</b>	<b>18</b>

### **Human Resource Management Minor**

This minor is open to students in all majors except for students in the Human Resource Management major option. **Please consult course descriptions for possible prerequisites.**

	<b>Course</b>	<b>Hours</b>
	MG 349 Human Resources Management <u>or</u> BUS 276 Human Resource Management	<b>3</b>
	MG 351 Labor/Management Relations	<b>3</b>
	MG 370 Performance Management in Organizations	<b>3</b>
	MG 410 Employment Law for Business	<b>3</b>
	MG 449 Advanced Human Resource Management	<b>3</b>
	EC 348 Labor Economics	<b>3</b>
	<b>Total Required Hours for Human Resource Management Minor:</b>	<b>18</b>

### **Information Assurance Management Minor**

This minor is open to students in all majors except for students in the Information Assurance major option. **Please consult course descriptions for possible prerequisites.**

	<b>Course</b>	<b>Hours</b>
	ISM 400 Information Management	<b>3</b>
	ISM 403 Data Communications Management	<b>3</b>
	ISM 404 Managing Information Resources	<b>3</b>
	IAM 409 Management of Information Assurance	<b>3</b>
	IAM 410 Information Assurance Administration and Operations Management	<b>3</b>
	IAM 411 Information Assurance Strategic Management	<b>3</b>
	<b>Total Required Hours for Information Assurance Management Minor:</b>	<b>18</b>

### **Information Security Minor**

This minor is open to Information Technology majors (either option) only. **Please consult course descriptions for possible prerequisites.**

	<b>Course</b>	<b>Hours</b>
	CIS 214 Security Analysis (PEN Testing)	<b>3</b>
	CIS 246 Ethical Hacking	<b>3</b>
	CIS 282 Computer Forensics	<b>3</b>
	CN 405/405L Network Security and Network Security Lab	<b>4</b>
	ITE 420 Fundamentals of Information Security	<b>3</b>
	Choose <b>one</b> of the following courses: CS 454 System Security Management ITE 421 Digital Forensics	<b>3</b>
	Choose <b>one</b> of the following courses: CS 414 Programming Language CS 415 Operating Systems CS 484 Applied Cryptography and System Security	<b>3</b>
	<b>Total Required Hours for Information Security Minor:</b>	<b>22</b>

## **Information Systems Management Minor**

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

Course	Hours
ISM 400 Information Management	3
ISM 401 Systems Design Management	3
ISM 402 Information Systems and Analytics	3
ISM 403 Data Communications Management	3
ISM 404 Managing Information Resources	3
ISM 408 E-Commerce Systems Management	3
<b>Total Required Hours for Information Systems Management Minor:</b>	<b>18</b>

## **Information Technology Minor**

This minor is open to students in all majors except for students in the Computer Science, Information Technology, or Information Technology: Computer Networking options. **Please consult course descriptions for possible prerequisites.**

Course	Hours
MA 308 Discrete Mathematics	3
CIS 209 Advanced Web Development <b>or</b> CS 380 Programming for the Web	3
CS 317 Computer Science I	3
CS 318 Computer Science II	3
ITE 321 Systems Analysis and Design	3
ITE 365 Visual Application Development	3
<b>Total Required Hours for Information Technology Minor:</b>	<b>18</b>

## **Instructional Design Minor**

This minor is open to students in all majors except for students in the Technical Education – Instructional Design major option. **Please consult course descriptions for possible prerequisites.**

Course	Hours
CE 306 Introduction to Instructional Design	3
CE 308 Information Design and Visual Literacy	3
ED 305 Technology and Media in Education	3
MG 353 Project Management <b>or</b> MG 357 Project Detailed Scheduling and Planning	3
<b>Instructional Design Elective</b> - Choose <b>one</b> of the following courses:  CE 444 Design and Instruction of Online Courses CE 448 Assessment of Instructional Design ED 407 Emerging Instructional Technologies ED 411 Curriculum Integration of Technology for Secondary and Adult Learners	3
<b>Multimedia Elective*</b> - Choose <b>one</b> of the following courses:  ART 178 Audio-Visual Techniques ART 253 Graphic Design I <b>or</b> AR 254 Graphic Design II AR 435 Computer Graphic Design ART 221 Computer Graphics CIS 151 Graphics for the World Wide Web VCM 254 Graphic Design <b>or</b> VCM 255 Advanced Graphic Design ART 283 Graphic Animation I <b>or</b> ART 284 Graphic Animation II AR 335 Topics in Adobe Photoshop AR 410 Adobe I Illustrator Design CAT 283 Graphics and Animation CIS 197C Dreamweaver <b>or</b> CIS 197D Flash <b>or</b> CIS 197H Photoshop CIS 223 Three Dimensional Computer Modeling CIS 224 Three Dimensional Computer Animation	3

	VCM 285 Multimedia Production <u>or</u> VCM 286 Advanced Multimedia Production	
	* Or other <b>advisor approved</b> multimedia electives	
	<b>Total Required Hours for Instructional Design Minor:</b>	<b>18</b>

### **International Business Minor**

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

	<b>Course</b>	<b>Hours</b>
	EC 410 International Finance & Monetary Economics <u>or</u> EC 320 International Economics and Trade	<b>3</b>
	GBA 350 International Business Law	<b>3</b>
	MG 352 International Business	<b>3</b>
	MG 412 Cultural Diversity & Communication Issues	<b>3</b>
	<b>Select 2 courses from the following:</b> PO 453 International Relations: America and the World GBA 314 Business Ethics AR/RE 421 Sacred Art in History MK 431 Marketing Research	<b>6</b>
	<b>Total Required Hours for International Business Minor:</b>	<b>18</b>

### **Logistics and Supply Chain Management Minor**

This minor is open to students in all majors except for students in the Logistics and Supply Chain Management major option. **Please consult course descriptions for possible prerequisites.**

	<b>Course</b>	<b>Hours</b>
	LSM 300 Enterprise Systems and Business Processes	<b>3</b>
	LSM 301 Introduction to Logistics and Supply Chain Management	<b>3</b>
	LSM 320 Logistics and Distribution	<b>3</b>
	LSM 330 Logistics & Supply Chain Management in Global Environment	<b>3</b>
	LSM 401 Logistics and Supply Chain Integration Techniques	<b>3</b>
	LSM 410 Logistics and Supply Chain Strategy	<b>3</b>
	<b>Total Required Hours for Logistics and Supply Chain Management Minor:</b>	<b>18</b>

### **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.

	<b>Course</b>	<b>Hours</b>
	Principles of Biology I, II or the equivalent	<b>8</b>
	Courses at Dauphin Island Sea Lab	<b>12</b>
	<b>Total Required Hours for Marine Science Minor:</b>	<b>20</b>

### **Marketing Minor**

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

	<b>Course</b>	<b>Hours</b>
	MK 331 Marketing Principles <u>or</u> BUS 285 Principles of Marketing	<b>3</b>
	MK 333 Advertising	<b>3</b>
	MK 336 Consumer Behavior	<b>3</b>
	MK 431 Marketing Research	<b>3</b>
	MK 432 Retailing	<b>3</b>
	MK 433 Marketing Strategies and Policies	<b>3</b>
	<b>Total Required Hours for Marketing Minor:</b>	<b>18</b>

## **Mathematics Minor**

This minor is open to students in all majors except for students in the Mathematics major options. **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.

	<b>Course</b>	<b>Hours</b>
	Calculus Sequence	<b>12</b>
	MA 310 Linear Algebra <b>or</b> MTH 237 Linear Algebra	<b>3</b>
	MA 321 Differential Equations <b>or</b> MTH 238 Applied Differential Equations	<b>3</b>
	Upper Division Mathematics Electives (Approved Mathematics courses above the calculus sequence)	<b>6</b>
	<b>Total Required Hours for Mathematics Minor:</b>	<b>24</b>

## **Middle Level Education Minor**

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

	<b>Course</b>	<b>Hours</b>
	ED 304 Action Research and Qualitative Inquiry	<b>3</b>
	PS 334 Adolescent Psychology	<b>3</b>
	SC 350 Foundations of Middle Level Education	<b>3</b>
	SC 430 Curriculum Design for the Middle Level Learner	<b>3</b>
	Two 300-400 level courses from <b>one</b> content area below ( <b>courses from other areas may be considered as approved by the faculty advisor through the University Curriculum Adjustment process</b> ): Biology Chemistry English General Science History Mathematics Social Sciences (any combination of two EC, GO, HY, PO, SS courses)	<b>6</b>
	<b>Total Required Hours for Middle Level Education Minor:</b>	<b>18</b>

## **Music (Vocal) Minor**

This minor is open to students in all majors, although it is designed particularly for students who have transferred to Athens State from a community college after earning an associate's degree with a music concentration. The minor will be valuable to students in the Teacher Education program as it would qualify them to direct a school choir. The minor will also provide students with the foundation to be a church or community choir director as a full- or part-time job. **Please consult course descriptions for possible prerequisites.**

	<b>Course</b>	<b>Hours</b>
	MUS 111/113 Music Theory I/Music Theory I Lab	<b>4</b>
	MUS 112/114 Music Theory II/Music Theory II Lab	<b>4</b>
	MUL 100 or 200 level Music Ensemble courses (1-2 Sem. Hrs. each)	<b>4</b>
	MU 300 or 400 level Music History course	<b>3</b>
	MU 300 or 400 level Elective or Conducting course	<b>3</b>
	MUP 300 or 400 level Private Lesson courses	<b>4</b>
	<b>Total Required Hours for Music (Vocal) Minor:</b>	<b>22</b>



### **Operations Management Minor**

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

Course	Hours
MG 391 Fundamentals of Operations	3
MG 393 Basics of Supply Chain	3
MG 395 Master Planning of Resources	3
MG 400 Detailed Scheduling & Planning	3
MG 407 Execution & Control of Operations	3
MG 409 Strategic Resources Planning	3
<b>Total Required Hours for Operations Management Minor:</b>	<b>18</b>

### **Political Science Minor**

This minor is open to students in all majors except for students in the Political Science major options. **Please consult course descriptions for possible prerequisites.**

Course	Hours
American Government <b>or</b> PO 304 Problems of American Government	3
PO 303 Comparative State and Local Government	3
PO 308 World Government <b>or</b> PO 453 International Relations: America & the World	3
Political Science Electives	9
<b>Total Required Hours for Political Science Minor:</b>	<b>18</b>

### **Professional Studies Minor**

This minor is open to students in all majors. **Please consult course descriptions for possible prerequisites. Completion of this minor does not make a student eligible for teaching licensure and certification by the Alabama State Department of Education.**

Course	Hours
ED 301 Introduction to Teaching	1
ED 302 Foundations of Education	3
ED 305 Technology & Media in Education (fulfills CIS 146 prerequisite in major)	3
Other 300/400 level Education Coursework (CE, ED, EL, ER, SC, SE)	6
Electives (may include 100/200 level coursework)	5
<b>Total Required Hours for Professional Studies Minor:</b>	<b>18</b>

### **Project Management Minor**

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

Course	Hours
MG 353 Project Management	3
MG 357 Project Detailed Scheduling & Planning	3
MG 405 Project Cost Control & Earned Value Management	3
MG 430 Project Management Practicum	3
<b>Select 2 courses from the following:</b> MG 358 Project Initiation & Scope Management MG 397 Program & Project Risk Management MG 413 Project Communication, Management & Leadership	6
<b>Total Required Hours for Project Management Minor:</b>	<b>18</b>

### **Psychology Minor**

This minor is open to students in all majors except for students in the Psychology major option. **Please consult course descriptions for possible prerequisites.**

	<b>Course</b>	<b>Hours</b>
	PS 331 Social Psychology	<b>3</b>
	PS 332 Child Psychology <b>or</b> PS 334 Adolescent Psychology	<b>3</b>
	PS 352 Abnormal Psychology	<b>3</b>
	PS 406 Physiological Psychology	<b>3</b>
	PS 420 Cognitive Psychology <b>or</b> PS 336 Psychology of Learning	<b>3</b>
	Psychology Elective	<b>3</b>
	<b>Total Required Hours for Psychology Minor:</b>	<b>18</b>

### **Public Safety and Health Administration**

This minor is open to students in all majors except for students in the Public Safety and Health Administration major option. **Please consult course descriptions for possible prerequisites.**

	<b>Course</b>	<b>Hours</b>
	PO 303 Comparative State and Local Government	<b>3</b>
	PO 377 Public Administration	<b>3</b>
	PSHA 380 Public Budgeting and Finance	<b>3</b>
	PSHA 446 Public Sector Organizational Theory and Management	<b>3</b>
	PSHA 455 Ethics in the Public Sector	<b>3</b>
	HS 447 Public Health Concepts and Systems	<b>3</b>
	<b>Total Required Hours for Public Safety and Health Administration Minor:</b>	<b>18</b>

### **Religion Minor**

This minor is open to students in all majors except for students in the Religion major option. **Please consult course descriptions for possible prerequisites.** Religion courses accepted from non-regionally 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.

	<b>Course</b>	<b>Hours</b>
	Three courses in Religion	<b>9</b>
	Three courses in Philosophy or Religion	<b>9</b>
	<b>Total Required Hours for Religion Minor:</b>	<b>18</b>

### **Religious Education Minor**

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

	<b>Course</b>	<b>Hours</b>
	ER 310 Principles of Early Childhood Education	<b>3</b>
	RE 305 Survey of Religious Education	<b>3</b>
	RE 405 Religious Education of Adults	<b>3</b>
	RE 417 Senior Research Project in Religious Education	<b>4</b>
	Electives in Education (Electives may <b>not</b> be selected from courses that require admission to the Teacher Education Program)	<b>6</b>
	<b>Total Required Hours for Religious Education Minor:</b>	<b>19</b>

### **Small Business/Entrepreneurship Minor**

This minor is **not open** to Accounting with Minor majors, but is open to other majors. **Please consult course descriptions for possible prerequisites.**

	<b>Course</b>	<b>Hours</b>
	AC 315 Managerial Accounting	<b>3</b>
	AC 361 Federal Tax Accounting I	<b>3</b>
	MG 346 Principles of Management & Leadership <u>or</u> BUS 275 Principles of Management	<b>3</b>
	MG 349 Human Resources Management <u>or</u> BUS 276 Human Resource Management	<b>3</b>
	MG 416 Entrepreneurship	<b>3</b>
	MK 432 Retailing	<b>3</b>
	<b>Total Required Hours for Small Business/Entrepreneurship Minor:</b>	<b>18</b>

### **Sociology Minor**

This minor is open to students in all majors except for students in the Sociology major option. **Please consult course descriptions for possible prerequisites.**

	<b>Course</b>	<b>Hours</b>
	SO 312 Majority/Minority Group Relations	<b>3</b>
	SO 362 Deviant Social Behavior	<b>3</b>
	SO 460 Sociological Theories	<b>3</b>
	Sociology electives (300/400 level) – In addition to courses with the SO prefix, the following courses may also be taken as Sociology electives: CJ 401 Adult Corrections CJ 452 Advanced Criminology CJ 453 Juvenile Delinquency PH 300 Moral Values in Today's Society PO 350 Introduction to the American Legal System	<b>9</b>
	<b>Total Required Hours for Sociology Minor:</b>	<b>18</b>

### **Tailored Business Minor**

This minor is open to business majors only. **Please consult course descriptions for possible prerequisites.**

	<b>Course</b>	<b>Hours</b>
	Completion of 6 approved courses (minimum 18 semester hours) in appropriate academic or professional areas. <b>Courses must be approved by the faculty advisor and the Dean of the College of Business.</b>	<b>18</b>
	<b>Total Required Hours for Tailored Business Minor:</b>	<b>18</b>

## **Course Descriptions**

This section lists the descriptions for all courses offered at Athens State University.

Course descriptions are presented in alphabetical order by **discipline prefix**.

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

## Accounting (AC)

- AC 302 Management Information Systems (3 Sem. Hrs.) (Also listed as MG 302)**  
**Prerequisite:** *Windows applications course (CIS 146); LiveText required*  
An examination of the role of information systems in organizations and how they relate to the objectives and structure of an organization. Emphasis is given to providing a broad overview of the information system management function.
- AC 303 Management Decision Support Systems (3 Sem. Hrs.) (Also listed as MG 303)**  
**Prerequisite:** *Windows applications course (CIS 146)*  
An analysis of the nature of the decision making process and an examination of support systems. Instruction will emphasize an advanced application of spreadsheet and database management software.
- AC 305 Fundamentals of Accounting I (3 Sem. Hrs.)**  
This course provides an introduction to the financial accounting concepts, procedures and reporting practices. Emphasis is placed on the elements of the accounting cycle for service and merchandising enterprises.
- AC 306 Fundamentals of Accounting II (3 Sem. Hrs.)**  
**Prerequisite:** *Principles of Accounting I (BUS 241) or AC 305*  
This course is a continuation of AC 305. In addition to a study of financial accounting, this course also provides a brief overview of managerial accounting concepts and principles as well as investment analysis.
- AC 312 Law for Accountants (3 Sem. Hrs.)**  
**Prerequisite:** *Legal Environment of Business (BUS 263)*  
A study of law subjects the accountant encounters including contracts, the UCC, business organizations, and accountant liability.
- AC 315 Managerial Accounting (3 Sem. Hrs.)**  
**Prerequisite:** *Principles of Accounting II (BUS 242) or AC 306*  
This course will provide an introduction to the internal reporting that managers use in planning and controlling operating systems, decision making, formulating major plans and policies, and costing products for inventory valuation and income determination. The course is designed to benefit all students who will be future users of accounting information.
- AC 321 Intermediate Accounting I (3 Sem. Hrs.)**  
**Prerequisite:** *Principles or Fundamentals of Accounting II (BUS 242 or AC 306)*  
A survey of the financial reporting process, detailed study of financial statements, and an analysis of generally accepted accounting principles.
- AC 322 Intermediate Accounting II (3 Sem. Hrs.)**  
**Prerequisite:** *AC 321*  
An in-depth study of accounting theory applicable to the major asset categories of a business entity.
- AC 323 Intermediate Accounting III (3 Sem. Hrs.)**  
**Prerequisite:** *AC 322*  
A review of the application of accounting theory to liability and stockholders equity balance sheet categories, culminating with a study of special purpose financial statements.
- AC 361 Federal Tax Accounting I (3 Sem. Hrs.)**  
**Prerequisite:** *Principles of Accounting II (BUS 242)*  
An overview of federal tax laws and regulations applicable to individuals and sole proprietors.
- AC 362 Federal Tax Accounting II (3 Sem. Hrs.)**  
**Prerequisite:** *AC 361*  
The application of the federal income tax law as it applies to partnerships and corporations, with emphasis on the differences which exist between financial and tax accounting.
- AC 401 Auditing (3 Sem. Hrs.)**  
**Prerequisites:** *AC 302, AC 303, and AC 322*  
Auditing theory and practice, with emphasis given to the function of the audit in the certification of financial statements by an independent auditor.
- AC 431 Advanced Accounting (3 Sem. Hrs.)**  
**Prerequisite:** *AC 323*  
A study of advanced accounting concepts including business combinations, partnerships, foreign currency transaction, and other related topics.
- AC 435 Governmental Accounting (3 Sem. Hrs.)**  
**Prerequisite:** *AC 322*  
An introduction to fund and budgetary accounting for government and not-for-profit organizations in education, health care, and social welfare agencies.
- AC 441 Special Topics in Accounting (3 Sem. Hrs.)**  
To be offered on occasion of student demand or need.

- AC 442 Advanced Auditing and Fraud Examination (3 Sem. Hrs.)**  
**Prerequisites: AC 322 and AC 401**  
 An advanced study of auditing theory and practice.
- AC 451 Forensic Accounting I (3 Sem. Hrs.)**  
**Prerequisite: AC 322**  
 A study of forensic accounting concepts including fraud, accounting crimes, careers, ethics in accounting, and related topics.
- AC 452 Forensic Accounting II (3 Sem. Hrs.)**  
**Prerequisite: AC 322**  
 A study of forensic accounting concepts including litigation, interrogation, evidence, and related topics.
- AC 460 Directed Study/Research in Accounting (3 Sem. Hrs.)**  
 A course designed to allow students an opportunity to perform research/directed studies in accounting. Offered at the discretion of the professor with approval of the College Dean.
- AC 461 Internship in Accounting (1 Sem. Hr.) (At least 50 hours of work-based experience required)**  
**AC 462 Internship in Accounting (2 Sem. Hrs.) (At least 100 hours of work-based experience required)**  
**AC 463 Internship in Accounting (3 Sem. Hrs.) (At least 150 hours of work-based experience required)**  
**Prerequisites: MG 320 or GBA 300; Senior standing, approval of academic advisor, and compliance with College of Business Internship Policies and Procedures**  
 Designed to provide the student with practical work experience leading to a potential career in either functional or technical areas of the field.
- AC 471 Cost Accounting (3 Sem. Hrs.)**  
**Prerequisites: AC 323, AC 361 and AC 401**  
 Cost data analysis and accounting controls in planning and controlling operations and in making special decisions.

## Acquisition and Contract Management (ACM)

- ACM 353 Project Management (3 Sem. Hrs.) (Also listed as LSM 353 and MG 353)**  
 An examination of the use of critical path method (CPM) and Program Evaluation Review Technique (PERT) on project planning and control.
- ACM 394 Introduction to Acquisition and Contract Management (3 Sem. Hrs.)**  
 This course is an examination into contracting with the Federal Government. Content provides insight and understanding into how government requirements are presented and developed into a contractual instrument negotiated between the government and contractor. Topics addressed include a typical contract, elements comprising a contract, terms and conditions, special provisions, clauses and instructions. Pre-award and post-award documents will be accessed. Navigation of the Federal Acquisition Regulation (FAR) to find specific laws and regulations relative to contracting with the federal government will be explored. An understanding and knowledge of the Uniform Contract Format will be obtained along with the ethical conduct and responsibilities of major contracting participants throughout the acquisition process.
- ACM 395 Acquisition and Contract Management Pricing (3 Sem. Hrs.)**  
 This course covers material needed by buyers, price analysts, and contracting officers tasked with obtaining fair and reasonable prices. Students who complete this class will be able to address market forces, the market research process, commerciality issues and cost/price analysis techniques such as the analogy method, parametrics, and learning curves. Students will determine whether a cost or price analysis is appropriate and identify factors that affect price comparability. Direct labor, material and indirect costs will be analyzed and calculated to determine pre-negotiation objectives. Application of a full range of contract pricing techniques will be utilized to determine the appropriate contract adjustment and establish final price or fee adjustments.
- ACM 396 Acquisition and Contract Management Administration (3 Sem. Hrs.)**  
 An examination of the management of government contracts in the pre- and post-award phases. The content provides insight into the variety of administrative matters that arise during the life of a contract. Emphasis is given to a consideration of the rights and responsibilities of the government and contractor.
- ACM 397 Acquisition and Contract Management Negotiations (3 Sem. Hrs.)**  
**Prerequisite: ACM 394**  
 An examination of the concepts and techniques of negotiation. Topics covered include strategies and tactics of contract negotiation, preparation for sound negotiation, organization and operation of a procurement team, the relative positions of strength required for successful negotiation, and limitations as imposed by law. Students will participate in mock negotiations using case studies.
- ACM 398 Government Contract Law (3 Sem. Hrs.)**  
**Prerequisites: ACM 394, ACM 395, and ACM 396**  
 This course is a study of that specialized area of contract law as applied to contracts with the Federal Government. It will focus on the unique legal aspects of government contracts from the establishment of a requirement that will be fulfilled by contract, through the solicitation and award phases; it will conclude with the management/administration of the contract including a review of the administrative and judicial forums that resolve and adjudicate claims and disputes arising under the contract.
- ACM 400 Advanced Acquisition and Contract Research/Project (3 Sem. Hrs.)**  
**Prerequisites: ACM 394, ACM 395, ACM 396, ACM 397, and ACM 398**  
 This course allows students the opportunity to implement the knowledge and skills gained in prior prerequisite coursework. This class prepares the students to be able to apply the knowledge gained in real world situations in the contracting environment with the

creation of contract components. The study consists of a series of individual and group research projects which build upon material presented within the ACM curriculum.

**ACM 461 Internship in Contract Management (1 Sem. Hr.) (At least 50 hours of work-based experience required)**

**ACM 462 Internship in Contract Management (2 Sem. Hrs.) (At least 100 hours of work-based experience required)**

**ACM 463 Internship in Contract Management (3 Sem. Hrs.) (At least 150 hours of work-based experience required)**

**Prerequisite: MG 320 or GBA 300; compliance with College of Business Internship Policies and Procedures**

The internships in the field of Acquisition and Contract Management are designed to provide the student with practical work experience leading to a potential career-field in business.

## Adult Degree Program (ADP)

**ADP 301 Adult Degree Theory and Practice (3 Sem. Hrs.)**

**Prerequisite: Permission of Instructor Required**

This course will focus on academic and personal issues unique to adult re-entry students, with emphasis on the university services available to nontraditional students. It will also provide students information regarding the concept of prior learning assessment and how to effectively document prior learning gained from work-place experience, training programs, military training, and certification programs.

## Art (AR)

**AR 300 Art Studio in Critique (3 Sem. Hrs.) (Lab fee)**

**Prerequisite: Art major or minor or permission of instructor**

This course is designed to enable the student to produce works in visual art making use of personal innovations, carefully considered form, techniques, and materials. Skills in art analysis and criticism will be used regularly. This course involves a significant amount of criticism of historical and contemporary art works. Students will define their creative projects in a written statement. This statement will be discussed and possibly modified. A body of work will be created.

**AR 301 Painting (3 Sem. Hrs.) (Lab fee)**

This course includes oil painting theory and techniques and a study of the history of painting. Museum visits and critiques will be included.

**AR 310 Fine Arts Connection (1 Sem. Hr.) (Lab fee)**

**(Education or Art Majors Only.)** This course is an integrated fine arts course that assists students in acquiring the knowledge to use the visual arts, music, and creative movement in developmentally appropriate ways in regular classroom instruction.

**AR 311 Landscape Painting and Drawing (3 Sem. Hrs.) (Lab fee)**

**Prerequisite: AR 301 or equivalent**

This course looks at the environment as a subject for drawing and painting in a variety of media. It is a direct study from nature.

**AR 312 Figure Drawing (3 Sem. Hrs.) (Lab fee)**

This course places emphasis upon the human figure.

**AR 313 Portrait Drawing and Painting (3 Sem. Hrs.) (Lab fee)**

Students will use a variety of media to develop skills in portraiture.

**AR 314 Topics in Watercolor (3 Sem. Hrs.) (Lab fee)**

Students will use transparent and opaque water color techniques and a variety of subject matter to become more proficient as painters.

**AR 315 Topics in Ceramics (3 Sem. Hrs.) (Lab fee)**

This course is an introduction to basic ceramic techniques with emphasis on hand-constructed ceramics. The course will include a study of the history of ceramics from prehistory to modern times.

**AR 317 Ceramic Sculpture (3 Sem. Hrs.) (Lab fee)**

This course is an exploration of sculptural media, particularly clay and terra cotta.

**AR 330 Topics in Photography (3 Sem. Hrs.) (Lab fee - course requires the student to purchase supplies in addition to the lab fee)**

**(Composition)** This is a course in digital photography. Students will need a DSLR 35mm camera with adjustable/stop, shutter speed and focus, and a working internal light meter. An exploration of photography with emphasis upon creativity and activities. The course will include criticism and aesthetics.

**AR 331 Digital Photography (3 Sem. Hrs.) (Lab fee - course requires the student to purchase supplies in addition to the lab fee)**

**(Camera Craft)** Advanced theory and practice in pre- and post-production.

**AR 335 Topics in Adobe Photoshop (3 Sem. Hrs.) (Lab fee)**

**Prerequisite: Art major or minor or permission of instructor**

This course is designed to enable the student to produce works in graphic art making use of personal innovations, carefully considered form, techniques, and materials. Skills in art analysis and criticism will be used regularly. Students will define their final creative project in a written statement. This statement will be discussed and possibly modified. A body of work will be created.

- AR 336 Advanced Microscopy and Digital Imaging (3 Sem. Hrs.) (Lab fee) (Also listed as BI 336)**  
**Prerequisite: 8 semester hours of lab-based sciences**  
 This course is designed to enable the student to produce works in digital photography through the use of various photomicrographic techniques including ordinary light, phase contrast, electron microscopy, and digital image analysis. The course will include criticism, and a body of work will be required.
- AR 341 Visual Culture (3 Sem. Hrs.)**  
 "Visual Culture" studies recognize the predominance of visual forms of media, communication, and information in the postmodern world. "Visual Culture" intersects with the notion of "mediasphere" in mediology, the study of media systems and media as a system. This course teaches strategies for analyses and interpretation of the increasing visualization of contemporary culture with emphasis on building specific visual and verbal skills for observing, analyzing, describing and critiquing visual imagery from a range of diverse theoretical perspectives.
- AR 342 Art of the Ancient Americas (3 Sem. Hrs.)**  
 Focusing on the period before the European conquest, this course explores the art and archaeological record of the Americas' aboriginal cultures and societies in sculpture, architecture, ceramics and paintings. The goal is to understand the aesthetics, philosophy and social historical and religious contexts of the visual arts and speak to the function of these artworks as ideological statements.
- AR 343 Renaissance Art History (3 Sem. Hrs.)**  
 This course covers the history of art from the Early Renaissance through the first part of the 19th century including the Renaissance, Mannerism, Baroque.
- AR 401 Advanced Figure Drawing (3 Sem. Hrs.) (Lab fee)**  
**Prerequisite: AR 312**  
 This course is a continuation of Figure Drawing, building on the techniques learned in AR 312 to create a finished product.
- AR 404 Art Studio in Photography (3 Sem. Hrs.) (Lab fee)**  
**Prerequisite: AR 330 or AR 331 or the equivalent**  
 This course is designed to enable the student to produce works in photography making use of personal innovations, carefully considered form, techniques, and materials. Skills in art analysis and criticism will be used regularly. Students will define their final creative projects in a written statement. This statement will be discussed and possibly modified. A body of work will be created. Both analog and digital images will be encouraged.
- AR 405 Interface Design Management (3 Sem. Hrs.) (Also listed as ISM 405) (Lab fee)**  
**Prerequisite: Art major or permission of instructor**  
 This course introduces students to theories of human-computer interaction as well as the principles and practices of user interface design, evaluation, and integration. Topics covered include command, menu, and direct manipulation interfaces. Using a visual design tool such as Visual Basic, students develop an actual user interface. Emphasis is placed on management aspects of GUI design.
- AR 408 Printmaking (3 Sem. Hrs.) (Lab fee)**  
 This course is a development of techniques in various print media.
- AR 410 Adobe Illustrator Design (3 Sem. Hrs.) (Lab fee)**  
 Concepts will be covered from visualizations through finished projects. Problems in composition in commercial as well as fine arts projects will be assigned. This course is designed to produce a portfolio of finished projects.
- AR 420 Art Studio (3 Sem. Hrs.) (Lab fee)**  
**Prerequisite: Art major or minor or permission of instructor**  
 This course is designed to enable the student to produce works in visual art making use of personal innovations, carefully considered form, techniques, and materials. Skills in art analysis and criticism will be used regularly. Students will define their creative projects in a written statement. This statement will be discussed and possibly modified. A body of work will be created.
- AR 421 Sacred Art in History (3 Sem. Hrs.) (Also listed as RE 421)**  
 This course explores the relationships between art and religion bringing theories of religious and aesthetic experience together. It gives an overview of the history of sacred art worldwide and it introduces students to religious functions of contemporary art. The course concentrates on the ways in which sacred and spiritual beliefs influence the creation of works of art using various cultures from around the world and throughout history. Students learn to understand aesthetic experiences with critical reflection and explain it to others.
- AR 423 History of Modern Art (3 Sem. Hrs.)**  
 This course covers the post-impressionist period through 1945.
- AR 424 Late Modern Art History (3 Sem. Hrs.)**  
 This course covers 1945 to present.
- AR 426 Critical Theories of Today's Art (3 Sem. Hrs.)**  
 Critical theory looks deeper in to the given art object. It is a way of thinking about and looking at and even making art that is not simply affirmative, but goes beyond generalities to the reception and interpretation of art with regard to context. Context is the economic, religious, institutionalized, political, educational and personal practices of any particular culture. Issues of how are the arts responding to science and technology, new trends in art and the socio-cultural issues demanding art attention today will be discussed. This course will focus on art being made today in a world-wide culture context.



- AR 430 Advanced Drawing and Design (3 Sem. Hrs.) (Lab fee)**  
This course covers advanced concepts in drawing and composition.
- AR 435 Computer Graphic Design (3 Sem. Hrs.) (Lab fee)**  
Graphic design is art for the purpose of communication. The student will gain the knowledge necessary to understand and augment the latest innovations in computer graphics through advanced graphic design projects using hardware and software important to the Graphic Design industry.
- AR 442 Special Topics in Art (1-3 Sem. Hrs.) (Lab fee)**  
This course will be offered on occasion of student demand or need.
- AR 443 Art Entrepreneurship (3 Sem. Hrs.)**  
This course prepares the student to take the next career step, whether they are going into the job market as a professional artist, looking for representation, or continuing their education at the graduate level. Students will explore the various opportunities for artists in a variety of fields by individual interviews and class visits from/to working professionals. Emphasis will be placed on mentorship, business practices and self-promotion.
- AR 450 Internship in Art (3 Sem. Hrs.) (Lab fee)**  
This course is an internship program in which the student will receive training with a commercial enterprise relating to his or her area of experience.
- AR 451 Internship in Art P-12 (6-12 Sem. Hrs.) (Lab fee)**  
**Prerequisites: Admission to the Teacher Education Program, satisfactory completion of all TEP courses, and clearance by the Internship Office**  
This course is a fifteen-week internship program for art with seven weeks in an elementary school and seven weeks in a secondary school. This culminating experience of the Teacher Education Program provides practical experience in teaching classes in state-accredited schools under the guidance of a cooperating teacher and supervision by a University supervisor. Seminar attendance is required.
- AR 454 Materials and Methods of Teaching Art in P-5 (3 Sem. Hrs.) (Lab fee)**  
**Prerequisite: Admission to the Teacher Education Program**  
**Field experience is required.** Students will study the unique dynamics of teaching and assessing a comprehensive arts education to P-5th grade level children. Students will examine how to teach the young learner to create visual art using a variety of materials and methods using knowledge of childhood physical and emotional development, will be involved in extended learning discussions about how art relates to children's perception, cognition, questioning, and interpretation processes. Students will learn to mount exhibitions of student art. Students in AR454 will study multiculturalism in their approaches to learn how to use the integration of other subjects into art thinking and into the creation of art. Students will learn methods for introducing aesthetics in educational settings. Students observe primary education practices in a working art classroom. Students will learn to give instructions to help their own future students prepare art portfolio that synthesizes knowledge, and skills. Students will develop a working knowledge of a comprehensive art education curriculum. Students will implement an art lesson plan, first, in the university classroom and then in an education setting under supervision of that classroom's instructor.
- AR 455 Materials and Methods of Teaching Art in 6-12 (3 Sem. Hrs.) (Lab fee)**  
**Prerequisite: Admission to the Teacher Education Program**  
**Course requirements include mandatory campus-based training. Consult the College of Education Calendar of Events Webpage for more information. Field experience is required.** Students will study the unique dynamics of teaching and assessing a comprehensive arts education to 6-12 grade level children. Students will examine how learning about art relates to adolescents' perception, cognition, questioning, and interpretation processes. Students will pursue inquiry into the relationship between creating and a philosophical investigation about art. Students will study multi-cultural approaches to teaching art. Students will study contextual art criticism. Students will learn how to find and develop art resources for the classroom. Students will learn how to use the integration of other subjects into art thinking and into the creation of art. Students will learn methods for introducing aesthetics in educational settings. Students will observe 6-12 grade level practices in a working art classroom. Students will learn to give instruction to help their own students prepare an art portfolio that synthesizes knowledge, skills, and dispositions in art and pedagogy developed through a comprehensive art education curriculum. Students will create and implement an art lesson plan, first, in the university classroom and then in a secondary setting to age appropriate students.
- AR 460 Special Workshop (3 Sem. Hrs.) (Lab fee)**  
This workshop focuses on arts and crafts.
- AR 461 Special Workshop in Sculpture (3 Sem. Hrs.) (Lab fee)**  
This course is a special workshop in sculpture. It looks at advanced exploration in various 3D materials and methods with an emphasis on design and craftsmanship.
- AR 465 Portfolio, Exhibition and Art Research (3 Sem. Hrs.) (Lab fee)**  
**Prerequisites: AR 300 and Graduating Senior Art Major**  
This capstone course will familiarize the students with the proper utilization of the art reference books, abstracts, monographs, and indices for the purpose of college writing and research in the content area of art. Students will compile a professional portfolio and hang their senior exhibition.

## Biology (BI)

- BI 300**      **Microbes and You (3 Sem. Hrs.)**  
**Corequisite:** BI 300L **Prerequisites:** Principles of Biology I and II, or consent of instructor  
This is an introductory microbiology course which examines the major groups of bacteria and instills awareness of the importance of microbes to the Earth's ecology.
- BI 300L**      **Microbes and You Lab (1 Sem. Hr.)** **Corequisite:** BI 300
- BI 301**      **Cell Structure and Function (3 Sem. Hrs.)**  
**Corequisite:** BI 301L **Prerequisites:** Principles of Biology I and II, Introductory Chemistry with lab or equivalent, or consent of instructor  
This course considers molecular organization of basic cellular components, including membranes, nucleic acids, and proteins, and how these are assembled into organelles and other cellular structures. It also explores mechanisms of enzyme and organelle function and coordination.
- BI 301L**      **Cell Structure and Function Lab (1 Sem. Hr.)** **Corequisite:** BI 301
- BI 302**      **Genetics (3 Sem. Hrs.)**  
**Corequisite:** BI 302L **Prerequisites:** Principles of Biology I and II, Introductory Chemistry with lab or equivalent, or consent of instructor  
This course is an up-to-date treatment emphasizing structure, function, and regulation of genes, recombinant DNA techniques and applications, principles and patterns of Mendelian inheritance, and population genetics.
- BI 302L**      **Genetics Lab (1 Sem. Hr.)** **Corequisite:** BI 302
- BI 303**      **General Ecology (3 Sem. Hrs.)**  
**Corequisite:** BI 303L **Prerequisites:** Principles of Biology I and II, or Plant Biology and Animal Biology, or consent of instructor  
This course includes the study of extant organisms and how they interact with one another and with their nonliving environments. Interactions are investigated at individual, population, community, and ecosystem levels. Qualitative, quantitative, and theoretical aspects of ecology are also discussed.
- BI 303L**      **General Ecology Lab (1 Sem. Hr.)** **Corequisite:** BI 303
- BI 311**      **Biodiversity of North Alabama (3 Sem. Hrs.)**  
**Corequisite:** BI 311L  
This course is designed as an introduction to the diversity of habitats and organisms found in northern Alabama. A broad variety of topics relating to the natural history and adaptations of the various organisms inhabiting this region will be discussed. Field trips are required.
- BI 311L**      **Biodiversity of North Alabama Lab (1 Sem. Hr.)** **Corequisite:** BI 311 (Lab runs concurrently with lecture)
- BI 313**      **Bioinformatics (3 Sem. Hrs.)**  
**Corequisite:** BI 313L  
This is a survey course intended to introduce the student to the field of Bioinformatics. It discusses the use of, and concepts behind, current bioinformatics tools in fields such as molecular biology, biochemistry, and phylogenetics.
- BI 313L**      **Bioinformatics Lab (1 Sem. Hr.)** **Corequisite:** BI 313
- BI 314**      **Entomology (3 Sem. Hrs.)**  
**Corequisite:** BI 314L **Prerequisites:** Principles of Biology I and II  
This course is an exploration of insects with respect to physiology, behavior, evolution, systematics and diversity, ecology, and economic importance.
- BI 314L**      **Entomology Lab (1 Sem. Hr.)** **Corequisite:** BI 314
- BI 315**      **Fermentation and Microbial Technology (3 Sem. Hrs.)**  
**Corequisite:** BI 315L  
This course will cover the basics of food fermentations and their applications in small scale industry with a focus on the products produced by local companies. The co-requisite lab will emphasize microbial techniques used by food fermenters.
- BI 315L**      **Fermentation and Microbial Technology Lab (1 Sem. Hr.)** **Corequisite:** BI 315
- BI 320**      **Human Nutrition (3 Sem. Hrs.)**  
**Corequisite:** BI 320L  
**BI 320/320L may only be used by Biology majors (all options) to fulfill the required Area V natural science elective; it cannot be applied as a Professional Course requirement in the major.** This course explores nutrition within the context of human biology. Emphasis is on the relationship of the various classes of nutrients and their biological role in health, growth, development, and disease prevention.
- BI 320L**      **Human Nutrition Lab (1 Sem. Hr.)** **Corequisite:** BI 320
- BI 336**      **Advanced Microscopy and Digital Imaging (3 Sem. Hrs.) (Lab fee) (Also listed as AR 336)**  
**Prerequisite:** 8 semester hours of lab-based sciences  
This course is designed to enable the student to produce works in digital photography through the use of various photomicrographic techniques including ordinary light, phase contrast, electron microscopy, and digital image analysis. The course will include criticism. A body of work will be required.
- BI 342**      **Economic Botany (3 Sem. Hrs.)**  
This course presents important roles that plants have played in the development of civilizations and cultures, past and present. Emphasis is placed on origins of agriculture and domestication of plants, on development of early irrigation and rainfall agriculture

- civilizations, on importance of plants in religion, medicine, commerce, politics, and war, and on future of plants in relation to man.
- BI 342L Economic Botany Lab (1 Sem. Hr.) Corequisite: BI 342**
- BI 361 Human Structure and Function (3 Sem. Hrs.)**  
This course is designed to be a one-semester study of human anatomy and physiology. Lecture and laboratory topics include human cells, tissues, skin and integument, skeletal, nervous, muscular, cardiovascular, respiratory, digestive, endocrine and reproductive systems, and fluid and electrolyte balance.
- BI 361L Human Structure and Function Lab (1 Sem. Hr.) Corequisite: BI 361**
- BI 409 Biochemistry (3 Sem. Hrs.) (Also listed as CH 409)**  
*Prerequisite: CH 311*  
This course is a study of proteins, carbohydrates, lipids, and other important biochemical compounds and their metabolic functions. Enzyme reaction mechanisms and biological oxidations may also be included.
- BI 411 Invertebrate Systematics and Morphology (3 Sem. Hrs.)**  
*Corequisite: BI 411L Prerequisite: Principles of Biology I and II, or Animal Biology, or consent of instructor*  
This is an inclusive and in-depth survey of invertebrate animals covering all phyla from protozoa through echinoderms. Emphasis is placed on morphological structures characterizing each phylum, on a systematic approach taken in each phylum, and on phylogenetic relationships among the various phyla.
- BI 411L Invertebrate Systematics and Morphology Lab (1 Sem. Hr.) Corequisite: BI 411**
- BI 415 Microbial Toxins and Human Health (3 Sem. Hrs.)**  
*Prerequisites: Principles of Biology I and II and an introductory course in microbiology or consent of instructor*  
This advanced course examines the roles of microbes as human pathogens and as a source of contamination in the food industry.
- BI 420 Field Vertebrate Zoology I: Ichthyology and Herpetology (4 Sem. Hrs.)**  
*Prerequisites: Principles of Biology II and BI 303, or consent of instructor*  
This is a course in systematic and ecological ichthyology and herpetology. It introduces the diversity of fishes, amphibians, and reptiles, position and content of major groups, their classification, relationships, and basic structure, with emphasis on living representatives, particularly those of the Tennessee Valley region of North Alabama.
- BI 422 Field Vertebrate Zoology II: Ornithology and Mammalogy (4 Sem. Hrs.)**  
*Prerequisites: Principles of Biology II and BI 303, or consent of instructor*  
This is a course in systematic and ecological ornithology and mammalogy. It introduces the diversity of birds and mammals, position and content of major groups, their classification, relationships, and basic structure, with emphasis on living representatives, particularly those of the Tennessee Valley region in North Alabama.
- BI 423 Histology (3 Sem. Hrs.)**  
*Corequisite: BI 423L Prerequisites: Principles of Biology I and II*  
This course studies the groups of specialized cells called tissues. Tissue organization is examined at all levels, from the whole organ to the molecular components of cells. Histological techniques include tissue culture, fixing and staining, microscopy, and biochemistry.
- BI 423L Histology Lab (1 Sem. Hr.) Corequisite: BI 423**
- BI 424 Animal Physiology (3 Sem. Hrs.)**  
*Corequisite: BI 424L Prerequisites: Principles of Biology I and II, or Animal Biology, and Introductory Chemistry with lab, or equivalent, or consent of instructor*  
This course explores the functions of living animals and discusses temporary, long-term and developmental changes in an organism's responses to the environment. Topics will include sensory, motor, nervous and endocrine systems; circulation and respiration; the use and acquisition of energy; and the maintenance of fluid, electrolyte and temperature homeostasis. Lab will focus on the human model system.
- BI 424L Animal Physiology Lab (1 Sem. Hr.) Corequisite: BI 424**
- BI 425 Developmental Biology (3 Sem. Hrs.)**  
*Corequisite: BI 425L Prerequisites: Principles of Biology I and II*  
This course considers the period of growth and differentiation from fertilization until hatching or birth of an animal or, in plants, germination. Vertebrate and human models will be emphasized. Concepts are explored in terms of cell biology, genetics, and comparative vertebrate anatomy.
- BI 425L Developmental Biology Lab (1 Sem. Hr.) Corequisite: BI 425**
- BI 427 Parasitology (3 Sem. Hrs.)**  
*Corequisite: BI 427L Prerequisites: Principles of Biology I and II*  
This is a study of the relationships between parasites and their hosts, with emphasis on vertebrate and human models. Concepts are discussed in terms of systematics, molecular biology, ecology, and evolutionary biology.
- BI 427L Parasitology Lab (1 Sem. Hr.) Corequisite: BI 427**
- BI 429 Immunology (3 Sem. Hrs.)**  
*Corequisite: BI 429L Prerequisites: Principles of Biology I and II*  
This course examines the evolution, organization, and function of immune systems, with an emphasis on vertebrate and human models. Concepts are discussed in terms of cell biology, genetics, and evolutionary biology.
- BI 429L Immunology Lab (1 Sem. Hr.) Corequisite: BI 429**

- BI 431 Plant Systematics and Morphology (3 Sem. Hrs.)**  
**Corequisite:** BI 431L **Prerequisites:** Principles of Biology I and II, or Plant Biology, or consent of instructor  
 This course includes an in-depth survey of non-vascular and vascular plants. Emphasis is placed on morphological structures characterizing each division, subdivision, class, and subclass of plants, on a systematic approach taken at each level of taxonomic hierarchy, and on phylogenetic relationships among the various groups of plants.
- BI 431L Plant Systematics and Morphology Lab (1 Sem. Hr.)** **Corequisite:** BI 431
- BI 434 Applying Lab Principles at HudsonAlpha (3 Sem. Hrs.) (Lab fee)**  
**Prerequisites:** Principles of Biology I and II  
 This course is designed for Athens State students who have been selected as interns for study at The HudsonAlpha Institute for Biotechnology. The selection process is open to all biology majors and is conducted by the staff at HudsonAlpha. Students will work independently on a research project in either DNA barcoding analysis or clinical variant analysis using protein-modeling data. Students will apply lab and data processing skills to projects that will contribute to a larger research effort.
- BI 441 Special Topics in Biology (1 Sem. Hr.)**  
**BI 442 Special Topics in Biology (2 Sem. Hrs.)**  
**BI 443 Special Topics in Biology (3 Sem. Hrs.)**  
**BI 444 Special Topics in Biology (4 Sem. Hrs.)**  
**Prerequisite:** Consent of instructor  
 These courses will be offered on occasion of student demand or need. (BI 443 may be used to award credit to SIM in-service teachers who meet the established criteria.)
- BI 450 Research Seminar (1 Sem. Hr.)**  
**Prerequisite:** Consent of instructor  
 This course will be offered on occasion of student demand or need. It affords the biology major the opportunity to develop and present results of laboratory and/or field research.
- BI 451 Marine Biology (3 Sem. Hrs.) (Lab/Special fees)**  
**Corequisite:** BI 451L **Prerequisite:** Principles of Biology I and II  
 This course is an introduction to salt water and salt marsh environments. This course is offered for students to obtain first hand field experience in marine ecosystems especially on the Gulf Coast. Class lecture content includes the microbial, and planktonic life forms, marine invertebrates, and marine vertebrates around the world, and specifically on the Gulf Coast. Laboratory and field exercises will include sampling, collecting, preserving and identification techniques for specimens on the Gulf Coast using various dichotomous keys for the species observed and collected.
- BI 451L Marine Biology Lab (1 Sem. Hr.)** **Corequisite:** BI 451
- BI 453 Plant Ecology (3 Sem. Hrs.) (Lab/Special fees)**  
**Corequisite:** BI 453L **Prerequisite:** Principles of Biology I and II  
 This course is designed to provide the student with information about types of plant communities and the various forest types in the Southeastern U.S. Lab and field exercises will include field trips to Wheeler National Wildlife Refuge and/or other suitable forest types, and to the Great Smoky Mountains National Park in East Tennessee, for forest evaluation and treatment of data.
- BI 453L Plant Ecology (1 Sem. Hr.)** **Corequisite:** BI 453
- BI 456 Materials and Methods of Teaching Biology in the Middle School/High School (3 Sem. Hrs.) (Also listed as CH/GS 456)**  
**Prerequisite:** Admission to the Teacher Education Program  
 This course is intended to enhance the students' abilities to plan, implement, and evaluate instructional activities and to select and use appropriate materials and equipment in the field of secondary science (Biology, Chemistry, General Science). Students will actively participate in demonstration and modeling of strategies and techniques. Emphasis will be placed on the integration of laboratory activities into the curriculum and research-based science pedagogical methods. This will include the use of technology, laboratory management, inquiry teaching, teaching resources, science-thinking skills, and the Alabama science curricula. Does not satisfy requirements for biology/chemistry/general science major, minor, or general studies. Senior methods portfolio will be submitted in this course.
- BI 457 AMSTI/Science in Motion Laboratory Technologies for Teachers (3 Sem. Hrs.) (Lab fee)**  
**Prerequisites:** Principles of Biology I and II  
 This course is designed as training for student teachers using the Alabama Mathematics and Science Teaching Initiative (AMSTI) /Science in Motion (SIM) biological laboratory exercises owned by and distributed to public schools in North Alabama by Athens State University. This training will enable the student to use and teach the biological principles within the selected labs in Levels 1, 2, and 3 in the Science in Motion series.
- BI 461 Directed Study/Research in Biology (1 Sem. Hr.)**  
**BI 462 Directed Study/Research in Biology (2 Sem. Hrs.)**  
**BI 463 Directed Study/Research in Biology (3 Sem. Hrs.)**  
**Prerequisite:** Consent of instructor  
 These courses will be offered on occasion of student demand or need. May be repeated for credit.
- BI 470 Biology Capstone (1 Sem. Hr.)**  
**Prerequisites:** At least two of these courses - BI 301/301L, BI 302/302L, BI 303/303L  
 This capstone course will provide students with the knowledge and skills to formulate a thesis, do research on the thesis topic, write the thesis, and orally present the findings to the class.

- BI 471 Research Thesis Capstone (1 Sem. Hr.)**  
**Prerequisites: At least two of these courses - BI 301/301L, BI 302/302L, BI 303/303L; AND 3 hours of Directed Study/Research in Biology**  
 This capstone course will provide students with the knowledge and skills to formulate a thesis, do research on the thesis topic, write the thesis, and orally present the finding to the class. This thesis will be based on the student's previous and ongoing Research in Biology.

## Children's Advocacy Studies Training (CAST)

- CA 301 Perspectives on Child Maltreatment & Child Advocacy (3 Sem. Hrs.)**  
 This course is the introductory course for child advocacy studies. This course covers the history, comparative perspectives, the legal framework, responses to child maltreatment, the skills necessary to do the work, other pertinent issues pertaining to child maltreatment and child advocacy, and the future. The field of child maltreatment is fraught with controversy. Much of the class focuses on these controversies. The approach of the course will be from a variety of diverse, professional perspectives including the perspectives of a prosecuting attorney versus a defense attorney. The course is designed for students majoring in criminal justice, education, social work, sociology, psychology, nursing, paralegal, or other areas where knowledge of child maltreatment and advocating for children might be necessary.
- CA 302 Global Child Advocacy Issues (3 Sem. Hrs.)**  
 This course is a core course for child advocacy studies certificate. The purpose of this course is to prepare students to recognize child advocacy issue around the world. The course is designed for students majoring in criminal justice, education, social work, sociology, psychology, nursing, paralegal, or other areas where knowledge of child maltreatment and advocating for children will be necessary. Multidisciplinary approaches to advocacy in different countries throughout the world will be presented and discussed.
- CA 401 Child Advocacy II: Professional and System Responses to Child Maltreatment (4 Sem. Hrs.)**  
**Prerequisites: CA 301 and CA 302, or consent of instructor**  
 This course is the third course for child advocacy studies. The purpose of this course is to prepare students to recognize the effects of child maltreatment and apply interventions strategies for children and their families. Multidisciplinary approaches to prevention, advocacy and treatment of child maltreatment survivors will be presented and discussed. The course is designed for students majoring in criminal justice, education, social work, sociology, psychology, nursing, paralegal, or other areas where knowledge of child maltreatment and advocating for children will be necessary.

## Career and Technical Education (CE)

- CE 300 Foundations of Technical Education I (3 Sem. Hrs.)**  
 A survey course on philosophies and developments in education and training; focusing on adult learning theories and principles.
- CE 302 History and Principles of Career/Technical Education (3 Sem. Hrs.)**  
 A historical review of the development of career and technical education including philosophies, ideologies, trends, economic, sociological, and legislative perspectives.
- CE 303 Professional Education Communication (3 Sem. Hrs.) (Students seeking the Technical Education: Early Instructor option will take this course)**  
 This beginning education course is designed to facilitate the acquisition of professional attributes, and to improve oral and written communication skills by refining study and research skills, using professional vocabulary, sharing research findings about educational trends and issues, seeking funding for educational programs, sharing information with families, and writing lesson plans. Attributes and dispositions will be articulated, defined, and modeled. These dispositions will be encouraged in oral presentations and collegial interactions. Practice in oral and written language usage will occur through writing and speaking about current educational concerns.
- CE 305 Meeting the Needs of Exceptional Career/Technical Education Students (3 Sem. Hrs.)**  
 An exploration of individual differences of students in career and technical education. Students with different socio-cultural backgrounds, abilities, and values; understanding diversity; legislation pertaining to diversity; categories of exceptional students; referral and placement procedures; services; curriculum, instructional, and facility modification and adaptations; and career opportunities are concepts addressed in the course.
- CE 306 Introduction to Instructional Design (3 Sem. Hrs.)**  
 Introduction to Instructional Design focuses on the design, development, implementation, and evaluation of learning and teaching. Students will develop the necessary pedagogical and technological skills that will facilitate the design and development of instruction using the appropriate tools.
- CE 307 IC<sup>3</sup> Preparation (3 Sem. Hrs.)**  
 A course based upon The Global Standard 3 (IC<sup>3</sup>), an internationally recognized standard for digital literacy and reflects the most relevant skills needed in today's academic and business environments. Modules include computing fundamentals, key applications, and living online.
- CE 308 Information Design and Visual Literacy (3 Sem. Hrs.)**  
 In this course, students will explore the foundations of Cognitive Load Theory and discover various methods and techniques to help design efficient and effective teaching and training materials that will limit the amount of load placed on the learner.
- CE 310 Principles of Early Childhood Education (3 Sem. Hrs.) (Students seeking the Technical Education: Early Instructor option will take this course)**  
 This course is designed to provide prospective teachers of young children with the historical, theoretical, and practical issues of

early childhood education. Emphasis is on early childhood philosophical and sociological foundations, facets of development, principles of learning, trends and issues, and program models.

- CE 319 Literacy and Literature for the Young Child (3 Sem. Hrs.)** *(Students seeking the Technical Education: Early Instructor option will take this course)*  
Emphasis is given to teaching Language Arts and literature to ESL students. This course examines methods and materials for planning, implementing, and assessing developmentally and culturally appropriate language arts and literature curricula for early childhood education. Emphasis will be on developing the process skills for facilitating emergent literacy, early writing, listening, and speaking, as well as teaching language arts and literature.
- CE 322 Basic Principles of ELL Education (3 Sem. Hrs.)** *(Students seeking the Technical Education: Early Instructor option will take this course)*  
A course designed to provide all educators the fundamental theories and knowledge about second language acquisition, with an emphasis on instructional methods for teaching English language learners.
- CE 326 Assessment in Early Childhood Classrooms (3 Sem. Hrs.)** *(Students seeking the Technical Education: Early Instructor option will take this course)*  
This course examines the goals, benefits, and uses of developmentally and culturally appropriate assessment processes that positively influence children's development and learning. It focuses on the family's significant role in the assessment process. It includes developmental and health screenings, systematic observations, play-based assessments, diagnostic evaluations, documentation of learning, and curriculum and criterion referenced assessments. Strengths, limitations, problems, and the developmental and cultural appropriateness of the selected practices and strategies will be addressed.
- CE 327 Classroom Management in Early Childhood Education (3 Sem. Hrs.)** *(Students seeking the Technical Education: Early Instructor option will take this course)*  
This course is designed to provide prospective teachers of young children with a rationale for thoughtful provision of an appropriate environment for effective learning and development in early childhood programs. This course will provide early childhood educators with the factors that influence quality programs in the area of management.
- CE 330 Children's Constructions of Relationships through Arithmetic and Mathematical Reasoning (3 Sem. Hrs.)** *(Students seeking the Technical Education: Early Instructor option will take this course)*  
**Prerequisites: ED 301, ED 302, and ER 323**  
Students will examine how young children construct number and mathematical concepts. They will identify and examine developmentally and culturally appropriate techniques, strategies, and materials for teaching young children arithmetic and mathematical concepts. **Five days of Field Experiences are required.**
- CE 400 Children's Play as Symbolic Behavior (3 Sem. Hrs.)** *(Students seeking the Technical Education: Early Instructor option will take this course)*  
This course will examine the role of representation in young children's learning, study the child's developing ability to represent what they know about their worlds through play, understand the impact of experience, culture, and social interaction on the ability to represent, as well as allow students the opportunity to explore a range of forms of symbolic representations and develop ideas and strategies to stimulate children's development.
- CE 402 Preschool Curriculum (3 Sem. Hrs.)** *(Students seeking the Technical Education: Early Instructor option will take this course)*  
This course provides a curricula framework of goals and outcomes for young children attending Head Start, preschool, Pre-K and Kindergarten programs that support their growth and development and help teachers and administrators meet state and national standards of high quality in their programming for children. The course builds knowledge about outcomes in nine areas considered essential in preparing children for school success; language development, literacy, mathematics, science, creative arts, social and emotional development, approaches to learning and physical health and development. Students will develop the knowledge and skills to plan for children, implement plans, and assess the progress of children in meeting local, state and national standards. Emphasis is on planning and implementing plans in all domains of learning for all children, including English language learners and those with special needs.
- CE 420 Parenting and Community Relations (3 Sem. Hrs.)** *(Students seeking the Technical Education: Early Instructor option will take this course)*  
This course will examine various ways of enhancing the young child's development through promoting positive interrelationships among early childhood educators, parents and others in the community. Using an ecological systems framework, the course builds knowledge of the roles of diverse family structures, cultural identities, stressors and supports, economic circumstances, and community characteristics and resources in facilitating child development. Learners develop skills needed for communicating effectively with families, facilitating parent education, and promoting family involvement with child care setting as well as utilization of community resources. Special emphasis is given to the importance of the role of the educational leader in school-community relations.
- CE 430 Instructional Strategies for Adult Learners (3 Sem. Hrs.)**  
A course focused on the development and implementation of instructional strategies and techniques to facilitate adult learning in various settings. Participants will examine and apply models, strategies, and methods for planning and implementing instruction. Instructional approaches, engagement strategies, and management of the instructional environment are explored.
- CE 432 Teaching Career/Technical Education (3 Sem. Hrs.)**  
A course on methods, strategies, and techniques for teaching and training in career and technical education.

- CE 433 Learning Resources and Technology in Career/Technical Education (3 Sem. Hrs.)**  
A course on selecting, developing, utilizing, and evaluating a variety of appropriate instructional resources, media, and technology for instruction and facilitating online learning.
- CE 434 Course Development and Evaluation in Career/Technical Education (3 Sem. Hrs.)**  
A course designed to provide knowledge of the process of developing and evaluating instructional curriculum. Concepts addressed are techniques, procedures, and potential problems in the selection and organization of subject matter and the implementation, facilitation, and evaluation of instruction.
- CE 435 Industrial Health and Shop Safety (3 Sem. Hrs.)**  
A survey course on accident prevention and identification of potential safety hazards as they pertain to technical education classes, labs, and business industry settings. The Occupational Safety and Health Administration (OSHA) basic practices of identifying, reducing, eliminating and reporting hazards are introduced and discussed as applicable in educational and business/industry settings.
- CE 436 Career/Technical Information Guidance (3 Sem. Hrs.)**  
An introductory course on career/technical guidance. Topics include trends and issues in workforce development, educational and training options, job qualifications and requirements, and sources for continued education and training and occupational information.
- CE 438 Classroom/Laboratory Management & Student Leadership Development (3 Sem. Hrs.)**  
A course designed to provide knowledge and application of techniques and procedures used to maintain and manage technical education learning environments, including inventories, and organizational processes. Leadership development through the management and care of various laboratories and equipment is addressed.
- CE 439 Career/Technical Student Youth Organizations (3 Sem. Hrs.)**  
A survey course of procedures for establishing, implementing, and operating informal, formal, and/or co-curricular career/technical student organizations.
- CE 440 Testing and Evaluation in Career/Technical Education (3 Sem. Hrs.)**  
A course designed to review traditional methods used to measure and interpret student achievement and to introduce knowledge and skills necessary to select/construct and implement appropriate assessment strategies for career/technical instruction and settings.
- CE 441 Special Topics in Career/Technical Education (1 Sem. Hr.)**  
**CE 442 Special Topics in Career/Technical Education (2 Sem. Hrs.)**  
Courses designed to allow students majoring in Technical Education to pursue special projects of interest. Projects undertaken for these courses may be continuations of projects begun in other courses.
- CE 444 Design and Instruction of Online Training (3 Sem. Hrs.) (Cross-listed with ED 308)**  
Design and Instruction of Online Training prepares students with knowledge and skills in methods of designing different types of tutorials (print-based, video, multimedia) for online training and learning. Study includes identifying media elements, understanding the media selection process, and media design principles. Students will also explore, design, and create online training materials in accordance with best practices and media design principles.
- CE 445 Functions of the Coordinator (3 Sem. Hrs.)**  
A course designed to prepare individuals for organizing, establishing, and administering various programs in career/technical education that are of a cooperative nature.
- CE 448 Assessment in Instructional Design (3 Sem. Hrs.)**  
Assessment of Instructional Design focuses on the application and interpretation of theory, research and standards-based effective practices used to design, develop and evaluate distance and blended education experiences. Students will examine different aspects of online teaching (e.g. asynchronous communication, facilitation and feedback) based on research, and apply their learning to online content design. Students will leave the course with a completed online course module that includes content specific activities and an understanding of how to create lessons and assessments that support student exploration of their individual curiosities, educational goal setting, management of learning and assessment of progress.
- CE 450 Practicum in Advanced Technical Studies (3 Sem. Hrs.)**  
**CE 451 Practicum in Advanced Technical Studies (3 Sem. Hrs.)**  
**CE 452 Practicum in Advanced Technical Studies (3 Sem. Hrs.)**  
Courses designed to allow students majoring in Technical Education to pursue special projects of interest. Projects undertaken for these courses may be continuations of projects begun in other courses.
- CE 460 Directed Study/Research Career/Technical Education (1-9 Sem. Hrs.)**  
**Prerequisite: Permission of academic advisor required**  
In-service technical education instructors may earn up to 9 semester hours of credit for directed study/research in Career/Technical Education.
- CE 465 Instructional Design Capstone (3 Sem. Hrs.)**  
**Prerequisite: Permission of academic advisor required**  
Instructional Design Capstone is the culminating capstone course of the CE instructional design instructor course sequence. In this course, students will apply theory, research, principles, skills and knowledge learned in all previous CE instructional design instructor courses to design and build an entire course inside a learning management system. Students must obtain permission from their academic advisor before enrolling in the course.

- CE 470**      **Practicum-Supervised Work Experience (3 Sem. Hrs.)**  
**CE 471**      **Practicum-Supervised Work Experience (3 Sem. Hrs.)**  
**CE 472**      **Practicum-Supervised Work Experience (3 Sem. Hrs.)**  
 Courses designed to allow students majoring in Technical Education to pursue special projects of interest in a program area work setting. Projects undertaken for these courses may be continuation of projects begun in other courses.
- CE 483**      **Practicum in Teaching and Training (3 Sem. Hrs.) (Also listed as ED 483)**  
**CE 484**      **Practicum in Teaching and Training (3 Sem. Hrs.) (Also listed as ED 484)**  
**CE 485**      **Practicum in Teaching and Training (3 Sem. Hrs.) (Also listed as ED 485)**  
 Studies designed to expand teaching/training skills of participants.
- CE 487**      **Internship in Technical Education (6-12 Sem. Hrs.) (Teaching Internship fee)**  
*Prerequisites: Admission to the Teacher Education Program and clearance by the Internship Office*  
 The culminating experience for pre-service candidates in the Technical Education Teacher Education Program. The internship program provides practical experience in teaching classes in state-accredited schools under the guidance of a cooperating teacher and a University supervisor.

## Chemistry (CH)

- CH 302**      **Introduction to Forensic Science (3 Sem. Hrs.) (Lab fee)**  
*Prerequisite: General Education Science requirements*  
 This course is a basic study of investigation methodology, forensic science techniques and procedures, evidence collection and development, and laboratory techniques. CH 302 may not be used as credit toward a chemistry major or minor.
- CH 311**      **Organic Chemistry I (4 Sem. Hrs.)**  
*Corequisite: CH 311L Prerequisite: General Chemistry I, II*  
 This course is a basic study of aliphatic and aromatic compounds, their properties, preparation, and reactions, with an emphasis on theory and mechanisms of reaction.
- CH 311L**      **Organic Chemistry I Lab (1 Sem. Hr.) Corequisite: CH 311**
- CH 312**      **Organic Chemistry II (4 Sem. Hrs.)**  
*Corequisite: CH 312L Prerequisite: CH 311*  
 This course is a basic study of aliphatic and aromatic compounds, their properties, preparation, and reactions, with an emphasis on theory and mechanisms of reaction. Laboratory includes organic qualitative analysis.
- CH 312L**      **Organic Chemistry II Lab (1 Sem. Hr.) Corequisite: CH 312**
- CH 314**      **Polymer Science (3 Sem. Hrs.)**  
*Corequisite CH 314L Prerequisite: CH 311*  
 This course is a study of synthesis, characterization, testing, and reactions of polymers. It includes step-reaction polymerization, ionic chain reactions, free radical chain polymerization, copolymerization, and inorganic polymers, in addition to the effects of additives and fillers.
- CH 314L**      **Polymer Science Lab (1 Sem. Hr.) Corequisite: CH 314**
- CH 324**      **Analytical Chemistry (3 Sem. Hrs.)**  
*Corequisite: CH 324L Prerequisites: General Chemistry I, II*  
 Topics covered in this course may include: classical volumetric techniques in chemical analysis, modern methods of chemical separation, and basic instrumentation techniques.
- CH 324L**      **Analytical Chemistry Lab (1 Sem. Hr.) Corequisite: CH 324**
- CH 330**      **Environmental Chemistry (3 Sem. Hrs.) (Also listed as GS 330)**  
 This course is a study of natural chemical processes of Earth and actual and possible effects of humans on natural chemical systems. Environmental problems such as air and water pollution, ozone depletion, and global warming are discussed. The course may also include an introduction to some methods of environmental analysis and pertinent environmental regulations.
- CH 409**      **Biochemistry (3 Sem. Hrs.) (Also listed as BI 409)**  
*Prerequisite: CH 311*  
 This course is a study of proteins, carbohydrates, lipids, and other important biochemical compounds and their metabolic functions. Enzyme reaction mechanisms and biological oxidations may also be included.
- CH 410**      **Instrumental Analysis (3 Sem. Hrs.)**  
*Corequisite: CH 410L Prerequisite: CH 324 or consent of instructor*  
 The theoretical application of modern instrumentation to problems in analytical chemistry is covered in this course. Optical, electrochemical, and other instrumentation techniques are also covered.
- CH 410L**      **Instrumental Analysis Lab (1 Sem. Hr.) Corequisite: CH 410**  
 The practical application of modern instrumentation to problems in analytical and environmental chemistry is covered in this laboratory course.
- CH 420**      **Intermediate Inorganic Chemistry (3 Sem. Hrs.)**  
*Prerequisite: General Chemistry I, II*  
 This course covers atomic structure, bonding, trends in the periodic table, and coordination chemistry. Topics also may include catalysis, group theory, structure and properties of solids or bio-inorganic chemistry.



- CH 430 Physical Chemistry I (4 Sem. Hrs.)**  
**Corequisite:** CH 430L **Prerequisite:** General Chemistry I, II, MA 304, and calculus-based Physics II  
 This course covers the application of laws of physics and mathematics to study of thermodynamics, equilibria, and kinetics.
- CH 430L Physical Chemistry I Lab (1 Sem. Hr.)** **Corequisite:** CH 430  
 This laboratory course includes introduction to working with personal computers and spreadsheet programs.
- CH 431 Physical Chemistry II (3 Sem. Hrs.)**  
**Corequisite 431L Prerequisite:** CH 430, 420, or consent of instructor  
 This course covers the application of the laws of physics and mathematics to the study of quantum chemistry, molecular structure, and spectroscopy. The laboratory includes experience with computer programs pertinent to chemistry.
- CH 431L Physical Chemistry II Lab (1 Sem. Hr.)** **Corequisite:** CH 431  
 This lab course serves as the capstone course for the chemistry major. To fulfill requirements for this course, students are required to submit a written project report and make an oral presentation of the report findings.
- CH 441 Special Topic in Chemistry (1-3 Sem. Hrs.)**  
**Prerequisite:** Consent of instructor  
 To be offered on occasion of student demand or need. (3 semester hour course may be used to award credit to SIM in-service teachers who meet the established criteria.)
- CH 456 Materials and Methods of Teaching Chemistry in the Middle School/High School (3 Sem. Hrs.) (Also listed as BI/GS 456)**  
**Prerequisite:** Admission to the Teacher Education Program  
 This course is intended to enhance the students' abilities to plan, implement, and evaluate instructional activities and to select and use appropriate materials and equipment in the field of secondary science (Biology, Chemistry, General Science). Students will actively participate in demonstration and modeling of strategies and techniques. Emphasis will be placed on the integration of laboratory activities into the curriculum and research-based science pedagogical methods. This will include the use of technology, laboratory management, inquiry teaching, teaching resources, science-thinking skills, and the Alabama science curricula. Does not satisfy requirements for biology/chemistry/general science major, minor, or general studies. Senior methods portfolio will be submitted in this course.
- CH 461 Directed Study/Research in Chemistry (1 Sem. Hr.)**  
**CH 462 Directed Study/Research in Chemistry (2 Sem. Hrs.)**  
**CH 463 Directed Study/Research in Chemistry (3 Sem. Hrs.)**  
**Prerequisite:** Consent of instructor  
 These courses will be offered on occasion of student demand or need.

## Criminal Justice (CJ)

- CJ 301 Criminal Justice Process (3 Sem. Hrs.)**  
 This course presents an overview of the major steps in the processing of a criminal case in the United States, including pretrial, trial, and post-conviction phases.
- CJ 302 Criminal Law (3 Sem. Hrs.) (Also listed as PO 302)**  
 This course focuses on definitions of crimes to include the specific elements of various criminal offenses. Defenses to criminal conduct also are discussed.
- CJ 307 American Constitutional Law (3 Sem. Hrs.) (Also listed as HY 307 and PO 307)**  
 This course examines the text of the nation's primary law and key decisions of the U.S. Supreme Court interpreting certain phrases. Organization and operation of the Court are also covered. This course focuses on separation of powers, federalism, interstate commerce, taxation, the contract clause and the takings clause. This course provides a foundation in American constitutionalism for students who plan to attend law school or teach social studies in the secondary schools.
- CJ 326 International and Domestic Terrorism (3 Sem. Hrs.) (Also listed as PO 326)**  
 This course examines the threat of international and domestic terrorism. There is an emphasis on the people and groups involved in international terrorism, the goals and ideology of the terrorists, major terrorist events, the global war on terrorism, homeland security, and strategies for containing and defeating the terrorist threat.
- CJ 336 A History of Criminal Justice (3 Sem. Hrs.) (Also listed as HY 336)**  
 The subject of this course is the historical development of American criminal justice philosophy, institutions, and practices in the political, cultural, and social context of the Western world and the United States from ancient Hebraic law to the present. Emphasis is on the contribution and effect of the Enlightenment, Puritanism, American Revolution and Constitution, and frontier experience on the origins and evolution of the American administration of justice.
- CJ 350 Introduction to the American Legal System (3 Sem. Hrs.) (Also listed as PSHA 350 and PO 350)**  
 This course is a review of basic legal doctrines and processes in the U.S. system of jurisprudence. Students are introduced to a wide variety of topics in civil and criminal justice. Topics include the theory and nature of law as a device for social control, torts, contracts, and ownership of property. The course is structured to provide prelaw majors with limited exposure to the many social conflicts managed by law and courts, and to provide education majors with an overview of law-related topics necessary for civics instruction.
- CJ 364 Civil Liberties (3 Sem. Hrs.) (Also listed as PO 364)**  
 This course focuses on the leading cases and doctrines which balance governmental/societal interests with individual rights across a broad spectrum of social relationships. It explores the constitutional foundations for freedom of expression, due process, and equal protection under the law.

- CJ 400 Law Enforcement In America (3 Sem. Hrs.)**  
This course presents an in-depth examination of American policing. It includes history, structure, functions, processes, and administrative issues of contemporary law enforcement agencies/systems.
- CJ 401 Adult Corrections (3 Sem. Hrs.)**  
This course examines socioeconomic facets of crime and principles and practices of delinquency, probation, and parole. Interaction (environmental and attitudinal) of persons from sentencing to return to society will be stressed.
- CJ 446 Public Sector Organizational Theory and Management (3 Sem. Hrs.) (Also listed as PSHA 446)**  
This course examines the structure and functioning of public sector organizations focusing on agencies involved in the areas of public safety and health administration. Major theories and concepts relating to structure, behavior, and management practices of public organizations are examined.
- CJ 452 Advanced Criminology (3 Sem. Hrs.)**  
This course provides an analysis of social causal process and theories by which individuals become criminals and evaluation of the effectiveness of the criminal justice system in returning helpful, contributing citizens back to society. Historical and contemporary orientation.
- CJ 453 Juvenile Delinquency (3 Sem. Hrs.)**  
The course applies a sociological approach to analyzing juvenile delinquency. While recognizing a variety of the causes (physiological, psychological, and social) of juvenile delinquency, this approach focuses on the impact of societal conditions on juvenile delinquency. The course combines a theoretical and an empirical emphasis.
- CJ 455 Ethics in the Public Sector (3 Sem. Hrs.) (Also listed as PO 455 and PSHA 455)**  
This course examines ethical issues encountered by employees of governmental agencies, both in terms of management practices and interactions with the public. The course explores application of codes of ethics, theories of ethical decision making, and ethical principles impacting various aspects of the public sector.
- CJ 460 Directed Studies in Criminal Justice (1 Sem. Hr.)**  
**CJ 462 Directed Studies in Criminal Justice (2 Sem. Hrs.)**  
**CJ 463 Directed Studies in Criminal Justice (3 Sem. Hrs.)**  
*Prerequisite: Consent of instructor (Offered by request)*
- CJ 464 Internship in Criminal Justice (3 Sem. Hrs.)**  
*Prerequisite: Consent of instructor*  
This course provides an opportunity for students to gain experience in a Criminal Justice career field under the guidance of a faculty and agency supervisor. All Criminal Justice students must take at least three hours of internship course work during their junior or senior academic year. The minimum clock hours for the three hours of required internship course work is 120 clock hours within the semester that the student is registered. Students must meet with the instructor at least one semester before the semester in which they will register for the internship in order to begin the internship application process and gain approval. **Students are suggested to maintain at least a 2.5 G.P.A. to apply for an internship.**
- CJ 465 Senior Research Project (4 Sem. Hrs.)**  
This course provides a capstone experience for senior Criminal Justice majors. It is available only to Criminal Justice majors and must be taken during their last term in the degree program. The course consists of four elements: (1) an observation experience at an office or agency engaged in the application of theories and concepts in a subfield of Criminal Justice; (2) an issue paper on a contemporary issue facing criminal justice leaders at the national, state, or local levels and presentation of this research to selected full-time faculty at Athens State University; (3) a supervised review of selected professional literature, and (4) a sufficient score on an externally validated exit exam. Students should consult with their academic advisor **prior** to registration for this course.

## Computer Networking (CN)

- CN 301 Networking Fundamentals (2 Sem. Hrs.) (Lab fee)**  
This course introduces the student to underlying concepts of data communication, telecommunications, and networking. The course focuses on terminology and technologies in current networking environments. The course also provides a general overview of field of networking as basis for continued study in field.
- CN 302 Local Area Networks (2 Sem. Hrs.) (Lab fee)**  
*Prerequisite: CN 301 or concurrent enrollment*  
This course presents the latest concepts of local area network (LAN) technologies. It also provides a comprehensive introduction to the concepts, technologies, components, and acronyms inherent in today's local networking environments.
- CN 303 Wide Area Networks (2 Sem. Hrs.) (Lab fee)**  
This course provides conceptual and working knowledge of how LANs communicate over wide area. The course introduces telephony and the technology of switched-voice communications. The course also provides an understanding of how communication channels of public switched-telephone networks are used for data communication and how voice data communication have become integrated.
- CN 304 Network Architectures (2 Sem. Hrs.) (Lab fee)**  
*Prerequisite: CN 303 or concurrent enrollment*  
This course outlines three important networking architectures in today's corporate environments: TCP/IP, SNA, and DNA. The major components and functions of each of these architectures are discussed, as well as methods used to connect different architectures.

The course also provides concepts important to the field of Systems integration and conceptual basis for understanding network architecture.

**CN 401 Internetworking Devices (2 Sem. Hrs.) (Lab fee)**

**Prerequisite:** CN 302 or CN 303 or concurrent enrollment

This is an advanced course intended for networking professionals and students who already grasp the general concepts of data communications and networking but would like a more detailed understanding of internetworking. Techniques and components for managing network growth and connecting disparate network architectures will be presented and solutions to internetworking problems will be developed.

**CN 402 The Internet (2 Sem. Hrs.)**

**Prerequisite:** CN 401 or concurrent enrollment

This course familiarizes the student with the operation and function of the Internet. The course covers the underlying components and protocols that make up the Internet and the services provided. Internet tools will be used to illustrate concepts. The course also provides concepts necessary to establishing and maintaining Internet connectivity. Tools used to navigate and access information on the Internet will be studied.

**CN 403 Network Processes and Protocols (2 Sem. Hrs.) (Lab fee)**

**Prerequisite:** CN 304

This is an advanced course intended for networking professional and students who grasp the basic concepts of networking but would like to understand, in more detail, some of the major protocols controlling the flow of information between data communication layers and between cooperating processes on network nodes. Trace and analysis tools will be used to analyze the frames and packets traversing a network.

**CN 404 Enterprise Network Design and Management (2 Sem. Hrs.) (Lab fee)**

**Prerequisite:** CN 304 and CN 403, or concurrent enrollment

This is an advanced course intended for networking professionals and students who grasp basic concepts of networking but would like to understand methods used to analyze, design, and manage LANs and point-to-point networks. Exercises are geared toward learning techniques used to design and analyze networks.

**CN 405 Network Security (3 Sem. Hrs.)**

**Prerequisite:** CN 304 or consent of instructor **Corequisite:** CN 405L

This course is a study of networking basics and security essentials with respect to information services provided over a computer network. The course covers the technical details of security threats, vulnerabilities, attacks, policies, and countermeasures such as firewalls, honeypots, intrusion detection systems, and cryptographic algorithms for confidentiality and authentication and the development of strategies to protect information services and resources accessible on a computer network.

**CN 405L Network Security Lab (1 Sem. Hr.) Corequisite: CN 405**

## Cooperative Education (CP)

**Note:** These classes are only for students who are active working members of the Cooperative Education Program. A minimum overall grade point average of 2.5 and prior approval by the Co-op Education Office is required. Courses must be taken in sequential order.

**CP 301 Parallel Co-op Practicum I (1 Sem. Hr.) Prerequisite: Prior approval of Instructor**

**CP 302 Parallel Co-op Practicum II (1 Sem. Hr.) Prerequisite: CP 301**

**CP 303 Parallel Co-op Practicum III (1 Sem. Hr.) Prerequisite: CP 302**

**CP 304 Parallel Co-op Practicum IV (1 Sem. Hr.) Prerequisite: CP 303**

**CP 305 Parallel Co-op Practicum V (1 Sem. Hr.) Prerequisite: CP 304**

**CP 306 Parallel Co-op Practicum VI (1 Sem. Hr.) Prerequisite: CP 305**

**CP 307 Parallel Co-op Practicum VII (1 Sem. Hr.) Prerequisite: CP 306**

**CP 308 Parallel Co-op Practicum VIII (1 Sem. Hr.) Prerequisite: CP 307**

(Co-op Work Experience) A series of courses wherein the student works on a part-time basis in a job directly related to their academic major. Grades will be based on the employer's evaluation of the student's productivity and the student's completion of vocational self-assessment workbook exercises and reports, work evaluation, and a personal SWOT analysis leading to the development of a professional career portfolio and class presentation.

**CP 401 Alternating Co-op Practicum I (2 Sem. Hrs.) Prerequisite: Prior approval of instructor**

**CP 402 Alternating Co-op Practicum II (2 Sem. Hrs.) Prerequisite: CP 401**

**CP 403 Alternating Co-op Practicum III (2 Sem. Hrs.) Prerequisite: CP 402**

**CP 404 Alternating Co-op Practicum IV (2 Sem. Hrs.) Prerequisite: CP 403**

**CP 405 Alternating Co-op Practicum V (2 Sem. Hrs.) Prerequisite: CP 404**

(Co-op Work Experience) A series of courses wherein the student works on a part-time basis in a job directly related to their academic major. Grades will be based on the employer's evaluation of the student's productivity and the student's completion of vocational self-assessment workbook exercises and reports, work evaluation, and a personal SWOT analysis leading to the development of a professional career portfolio and class presentation.

**CP 410 Co-op Practicum (2 Sem. Hrs.)**

**Prerequisite:** Prior approval of instructor

A course wherein the student works a minimum of 20 hours in a job directly related to their academic major. Grade will be based on the employer's evaluation of the student's productivity and the student's completion of vocational self-assessment workbook exercises and reports, work evaluation, and a personal SWOT analysis leading to development of a professional career portfolio and class presentation.

## Computer Science (CS)

- CS 305 Concepts of Computer Programming (3 Sem. Hrs.) (Lab fee)**  
*Prerequisite: Any Introduction to Computer course or consent of instructor*  
CS 305 may only be taken by Computer Science or Information Technology majors as a substitution for the required pre-professional programming course(s). This course is offered for those incoming students who have not taken programming courses to fulfill their pre-professional requirements and to fulfill the prerequisite for CS 317. The course will introduce the fundamental techniques of programming as a foundation for more advanced study of computer science. Considerable attention is devoted to developing effective software engineering practice, emphasizing such principles as design, decomposition, encapsulation, procedural abstraction, testing, and software reuse. Topics include standard programming constructs, problem-solving strategies, the concept of an algorithm, and fundamental data structures (strings, arrays, and records) along with an introduction to machine representation, and graphics.
- CS 309 Introduction to Digital Logic Design (3 Sem. Hrs.)**  
*Corequisite: CS 309L*  
This course is a comprehensive introduction to Boolean Algebra and methods for designing circuits which implement Boolean expressions. Topics include binary numbers and codes, axioms and theorems of Boolean Algebra, standard algebraic forms of Boolean expressions, the use of methods such as Karnaugh Maps and the Quine-McCluskey procedures for simplification of Boolean expression, analysis and design of combinational and sequential circuits, register operations, and introduction to fault tolerance design.
- CS 309L Digital Design Lab (1 Sem. Hr.)** *Corequisite: CS 309*
- CS 310 Professional Ethics of Computing (1 Sem. Hr.)**  
*Prerequisites: Microcomputer Applications and Computer Programming courses*  
This course is an applied introduction to the ethical problems faced by computer scientists, professional codes of ethics in computing, legal issues involved in technology, and the social implications of computing and other digital technologies.
- CS 317 Computer Science I (3 Sem. Hrs.) (Lab fee)**  
*Prerequisite: Precalculus Algebra and an introductory programming course*  
This is the first course for any new CS or ITE student or minor at Athens State. It covers the fundamentals of programming. This course reviews introductory programming and problem-solving techniques and expands upon the following topics: Arithmetic and relational operations; I/O for elementary data types; logic-control constructs for selection and iteration; functions and parameter passing mechanisms. Students are introduced to the concepts and the rationale for object-oriented programming using classes and class functions. This course will also cover the use of arrays, including basic sorting and searching algorithms. Programming assignments will focus on the techniques of good programming style and how to design, code, debug, and document program.
- CS 318 Computer Science II (3 Sem. Hrs.) (Lab fee)**  
*Prerequisite: CS 317*  
This is an advanced course in object-oriented computer programming using C++. The focus for this course is on the principles of object-oriented programming, abstraction, and software design. It also provides an introduction to recursion, pointers, and linked lists. Object-oriented design and programming, using classes, operator overloading, member functions and inheritance are emphasized. Students will learn the principle of encapsulation (information hiding) and code reuse. Programming assignments will focus on the techniques of design as a prerequisite of good programming.
- CS 340 Introduction to Assembly Language (3 Sem. Hrs.) (Lab fee)**  
*Prerequisites: CS 309 and CS 318*  
This course is an introduction to computer architecture at the assembly language level. Methods for representing data in computers, the study of the assembly language of a specific computer will be covered. The course covers addressing modes, instruction formats, and control structures of a typical assembly language. A number of programming assignments are given to support assembly programming concepts.
- CS 372 Data Structures (3 Sem. Hrs.) (Lab fee)**  
*Prerequisite: CS 318 with a grade of C or better*  
This course is a continuation of CS 318 stressing concepts of abstraction, software engineering, analysis of algorithms, and problem solving skills. The course introduces lists, linked lists, stacks, queues, and trees, and presents problems and algorithms using these advanced data structures. The course covers searching and sorting algorithms. Students are required to understand of each concept through programming assignments.
- CS 380 Programming for the Web (3 Sem. Hrs.) (Lab fee)**  
*Prerequisite: CS 318*  
This course introduces students to developing interactive web pages and client-server computing. Course topics include XHTML, cascading style-sheets, HTML Forms processing, dynamic and interactive content, scripting languages, and internet servers. These languages allow the programmer to add interactive content to their web pages. Principals of event-driven, user-oriented websites are covered. Emphasis is placed on hands-on design of working web pages and software using a variety of web programming technologies.
- CS 409 Computer Organization and Architecture (3 Sem. Hrs.) (Lab fee)**  
*Prerequisites: CS 309, CS 340, and MA 308*  
This course is a comprehensive study of the architecture of a hypothetical digital computer. The course will present an overview of computer architecture and then a detailed design of each major functional subsystem, including: memory, central processing unit (control unit and arithmetic-logic unit), Input/Output devices, and hardware for the support of the Operating System. The study of the implications of computer architecture for systems programming and Operating System design will also be covered.

- CS 414 Programming Language (3 Sem. Hrs.) (Lab fee)**  
**Prerequisite: CS 372**  
 This course is an in-depth study of similarities and differences of modern programming language paradigms. Emphasis is on the implementation of basic language features and in the choice of a language most appropriate for a given problem. Programming assignments will require the use of the unique features of various languages.
- CS 415 Operating Systems (3 Sem. Hrs.) (Lab fee)**  
**Prerequisites: CS 372 and any computer networking course**  
 This course is an applied introduction to Operating Systems, appropriate for students who are interested in using and understanding computer operating systems and networks. The goal is to learn why operating systems are needed and what, at a functional level, they do. The course approaches these materials from a perspective to include experienced users who may or may not know how to program. Concepts covered include: Operating System Fundamentals, User Interfaces, File Systems, Resource Management (memory, multiprogramming, peripherals), Client/Server Information Systems. Modern commercial and open source operating systems, as well as supporting components, are also studied.
- CS 417 Topics in Object Oriented Programming (3 Sem. Hrs.) (Lab fee)**  
**Prerequisite: CS 372**  
 Topics in this course include the principles of object-oriented programming and design, visual application frameworks, and event-driven programming. A formal modeling language will be used for design. Students will be required to design, develop and implement working applications.
- CS 418 Advanced Object Oriented Applications (3 Sem. Hrs.) (Lab fee)**  
**Prerequisite: CS 417**  
 This course will cover advanced object-oriented and event-driven programming using modern programming languages. Materials covered will include implementation of inheritance, techniques to achieve encapsulation and improve code reusability, using a formal modeling language for program design, GUI development, event handling, and multithreading programming. Students will be required to design, develop and write advanced working applications.
- CS 423 Computer Graphics (3 Sem. Hrs.) (Lab fee)**  
**Prerequisites: CS 318 and MA 308**  
 This course is an introduction to the basic concepts and tools of computer graphics in both two and three dimensional space. The course covers graphical devices, graphical software, coordinate systems, vectors and matrix algebra, and transformation algorithms. Also covered are algorithms in line drawing, drawing curves, geometric figures, and Windowing and clipping concepts. Students are required to understand each concept through programming assignments.
- CS 430 Software Ethics and Professionalism (3 Sem. Hrs.)**  
**Prerequisites: Successful completion of 12 sem. hrs. of 300-400 level Computer Science courses at Athens State**  
 The ethics and professionalism course addresses ethical, professional, social and team issues inherent in software development. Interaction with software development team members, clients, system users, and others is covered. Written and oral communications documents, standards and sensitivity issues are discussed. Confidentiality, privacy, copyrights, and harassment are just a few of the topics explored.
- CS 441 Special Topic in Computer Science (1 Sem. Hr.)**  
**CS 442 Special Topic in Computer Science (2 Sem. Hrs.)**  
**CS 443 Special Topic in Computer Science (3 Sem. Hrs.)**  
**Prerequisite: Consent of instructor**  
 These courses are to be offered on occasion of student demand or need. Topics which may be covered include special programming languages, compilers, system design, graphics, and special applications.
- CS 451 Software Engineering (3 Sem. Hrs.) (Lab fee) (Also listed as ITE 451)**  
**Prerequisites: CS 372 with grade of C or better, MA 308, senior standing and consent of instructor**  
 The course will familiarize the student with the entire software life cycle, spanning from the time of conception of the actual requirements, through the analysis, design, and development of the software. The course will study various methodologies of software engineering; i.e., the analysis and comparison of methods which use sound engineering principles to develop software that is reliable, cost-effective, and easily maintainable. The course will emphasize the concept of a software development team where students work on real-world software development projects to solve software problems for users.
- CS 452 Senior Software Engineering Project (3 Sem. Hrs.) (Also listed as ITE 452)**  
**Corequisite: CS 452L; Prerequisite: CS 451**  
 This course provides students with the opportunity to apply the knowledge and skills mastered in the computer science discipline through development of complex software projects. Emphasis is placed on the concept of software development teams to create project plans, software requirements, design specifications, test plans, and other written documentation for the selected software project. Student software teams also code, test, and integrate the software according to the requirements and design specifications produced. Technical walk through and software demonstrations are required at the completion of various milestones.
- CS 452L Senior Software Engineering Project Lab (1 Sem. Hr.) (Also listed as ITE 452L) Corequisite: CS 452**
- CS 454 System Security Management (3 Sem. Hrs.) (Lab fee)**  
**Prerequisites: CS 372 and MA 308**  
 The focus of this course is security engineering and building systems to remain dependable in the face of malice, error, or mishaps of other sorts. This course will cover tools, processes, and methods needed to design, implement, and test complete security systems and to adapt existing systems as their environment evolves. Students will use real-world case studies to gain practical experience in solving complex problems, like the ones encountered in industry.

- CS 460 **Directed Study/Special Computer Science Project (1 Sem. Hr.)**  
 CS 461 **Directed Study/Special Computer Science Project (2 Sem. Hrs.)**  
 CS 462 **Directed Study/Special Computer Science Project (3 Sem. Hrs.)**  
*Prerequisites: 15 sem. hrs. of upper level computer science coursework, and consent of instructor*  
 These courses are to be offered on occasion of student demand or need. The courses are designed to allow students majoring in computer science to pursue special projects of interest to both the student and instructor. Projects undertaken for these courses might well be continuations of projects begun in other courses.
- CS 472 **Algorithm Analysis (3 Sem. Hrs.) (Lab fee)**  
*Prerequisites: MA 308 and CS 372*  
 This course is an introduction to the classic methods for designing algorithms. The course will study specific problems such as sorting, graph traversals, and matrix multiplication in order to illustrate these methods. The methods studied will include: Divide and Conquer, Back-Tracking, Branch and Bound, and Dynamic Programming and a brief introduction to computational complexity.
- CS 474 **Introduction to Formal Language Theory (3 Sem. Hrs.) (Lab fee)**  
*Prerequisite: CS 414*  
 This course covers formal programming languages, formal grammars, methods for language parsing, regular and context-free languages, automata, Chomsky hierarchy, Church-Turing Thesis, and theory of computability.
- CS 475 **Introduction to the Theory of Computing (3 Sem. Hrs.)**  
*Prerequisites: CS 372 and MA 308*  
 This is a first course on the theory of computing. Topics covered include finite automata, regular expressions and languages, push-down automata, pumping lemmas for regular and context-free grammars, the Chomsky hierarchy of language classes, Turing machines and computability, the decidability of the halting problem, time complexity and NP-completeness and tractability.
- CS 484 **Applied Cryptography and System Security (3 Sem. Hrs.)**  
*Prerequisites: CS 372 and MA 308*  
 Cryptography is about communication in the presence of an adversary. Modern cryptography encompasses problems as diverse as encryption, authentication, and key distribution. This course provides the foundation upon which one may understand what these problems are, how to evaluate protocols and methods to solve them, and how to build secure software solutions for these problems.

## Economics (EC)

- EC 310 **Modern Economics (3 Sem. Hrs.)**  
 A macro examination of the operation of modern economic systems including price determination, aggregate demand and supply theory, public policy options, and the philosophical foundations of free market and command systems.
- EC 320 **International Economics and Trade (3 Sem. Hrs.)**  
 Introduction of the economic principles underlying the international market systems and international trade. Attention given to economic benefits and consequences of free trade, the examination of the factors affecting trade and of the trade policies relating to industrialized and developing nations. Focus will also be on the application of these principles to current international and domestic developments.
- EC 321 **Money and Banking (3 Sem. Hrs.)**  
*Prerequisite: Principles of Economics*  
 A study of how money, credit, and interest rates affect the level of employment, production, and prices in the economy. Topics of study will include the Federal Reserve System, the operations of commercial banks, credit controls, the theory of interest rate determination, and recent trends in banking.
- EC 348 **Labor Economics (3 Sem. Hrs.)**  
 Introduction to labor in the economy and the relationships among workers, management, labor organizations, and public policy.
- EC 410 **International Finance and Monetary Economics (3 Sem. Hrs.)**  
*Prerequisites: Principles of Macro and Micro Economics (or equivalent) and EC 321 Money and Banking (or equivalent)*  
 This course provides students with a strong foundation in the theory and practice of international finance and macroeconomics policies, and will explore emerging topics of interest such as a single currency (Euro) in Europe and financial crises in developing countries. The course consists of four parts: foreign exchange markets, the international monetary system, open-economy macroeconomics and international financial markets.
- EC 441 **Special Topics in Economics (3 Sem. Hrs.)**  
 To be offered on occasion of student demand or need.
- EC 460 **Directed Study/Research in Economics (3 Sem. Hrs.)**  
 A course designed to allow students an opportunity to perform research/directed studies in economics. Offered at the discretion of the professor with approval of the College Dean.

## Education (ED)

- ED 301 Introduction to Teaching (1 Sem. Hr.)**  
**Course requirements include mandatory campus-based training. Consult the College of Education Calendar of Events Webpage for more information.** Introduction to Teaching introduces prospective teachers as well as other education students to the teaching profession. This course encourages students to think more deeply, more broadly, and more systematically about what teaching is, what teachers do, and whether teaching is an appropriate career choice for them. In the course students will develop research and theory-based views of teaching practices, various contexts of teaching and teachers, and contemporary issues related to teacher education.
- ED 302 Foundations of Education (3 Sem. Hrs.)**  
**Field experience is required. Course requirements include mandatory campus-based training. Consult the College of Education Calendar of Events Webpage for more information.** A foundational approach to the study of education draws on the disciplines of history, philosophy, and sociology. This course will examine, discuss, and reflect on philosophical issues related to education in a democratic society, as well as explore interdisciplinary understandings of cultural and social realities of education in a global society. Pre-service teachers will use interpretative, normative, and critical perspectives in understanding the relationship between school and society as well as address emerging issues in education.
- ED 303 Practicum in Teacher Education (1 Sem. Hr.)**  
University supervised teaching experience in a K-12 school, enrichment program or academic camp.
- ED 304 Action Research and Qualitative Inquiry (3 Sem. Hrs.)**  
This research methodology course focuses on trustworthy pre-service action research that provides the pre-service teacher guidance with all stages of the research experience (selecting an area of focus, designing a culturally proficient study, collecting and interpreting data, and communicating findings).
- ED 305 Technology and Media in Education (3 Sem. Hrs.) (Software/license fee)**  
This course will examine the transformative effect technology is having on society and schools, as well as the implications these changes have for teaching and learning. Students will explore the use of technology in schools, including meeting students' needs and wants, educational equity and challenges for using technology creatively in public school classrooms. As pre-service teachers learn to integrate technology into teaching and to produce educationally sound, technology-based, communication and instructional materials, the ethical, legal, and pedagogical issues related to technology will be emphasized.
- ED 307 Teaching Strategies for the Digital Age (3 Sem. Hrs.)**  
**This course requires intermediate-level technology/computer skills (e.g., word processing, slide presentations, and basic video production).** This course encourages questioning of previously conceived notions about the qualities and characteristics that make a good teachers and how to use those qualities to better and increase learner awareness regarding ever-changing student needs. Students will learn the unique characteristics of today's digital-age students and 21st century pedagogical strategies used for instructing this population. Upon completion of the course, students will have the ability to locate, use and assess a variety of tech tools that are used for student inquiry and presentation of work and create and present content-based lessons that model explored teaching strategies.
- ED 308 Curriculum Design and Assessment for the e-Classroom (3 Sem. Hrs.) (Cross-listed with CE 444)**  
**This course requires intermediate-level technology/computer skills (e.g., word processing, slide presentations, and basic video production).** This course focuses on the application and interpretation of theory, research and standards-based effective practices used to design, develop and evaluate distance and blended education experiences. Students will examine different aspects of online teaching (e.g. asynchronous communication, facilitation and feedback) based on research, critically evaluate existing social media and online resources, and apply their learning to online content design. Students will leave the course with a completed online course module that includes content specific activities and an understanding of how to create lessons and assessments that support student exploration of their individual curiosities, educational goal setting, management of learning and assessment of progress.
- ED 312 Cultural Competence and Responsiveness (3 Sem. Hrs.)**  
This course is designed to equip students with the knowledge and skills needed to respect, appreciate, and value diverse populations. Beginning with the awareness of self, biases, and prejudices, students will engage in learning experiences to develop skills to interact respectfully, responsively, and effectively with diverse populations, understand daily living practices and challenges of those who represent diverse cultures, races, ages, and socioeconomic platforms. The ultimate goal of cultural competence is to recognize, affirm, foster, and value strengths of individuals from all walks of life and protect and preserve their worth and dignity through activism and action. Learners will use the framework "know myself and know others" to better understand their role as a change agent for liberty and justice.
- ED 313 Information Literacy for the Teacher Candidate (1 Sem. Hr.)**  
This course addresses the role of the educator in the field of information literacy. Teacher candidates will learn best practices in how to both perform and teach information literacy practices from both education and library perspectives. Collaborating with a university librarian will give the teacher candidate instruction in comprehending, planning and designing processes for working with school media specialists to practice and teach information literacy skills.
- ED 322 Basic Principles of ELL Education (3 Sem. Hrs.)**  
A course designed to provide all educators the fundamental theories and knowledge about second language acquisition, with an emphasis on instructional methods for teaching English language learners.
- ED 325 Theoretical Foundations of Language Acquisitions (3 Sem. Hrs.)**  
A course designed to investigate the conceptual, linguistic, sociological, historical, political, and legal foundations of ELL education.

Emphasis is placed on understanding acculturation and academic achievement of, and programmatic alternatives and pedagogy for ELLs in a pluralistic society. Multiple factors impacting the school experience of language minority students will be explored, including but not limited to: cognitive/academic (school, teacher), social/affective (personal, family, community), and linguistic development issues.

- ED 359 Assessment Strategies for the P-12 Art Classroom (3 Sem. Hrs.)**  
*Prerequisite: Admission to the Teacher Education Program*  
**Field experience is required.** A senior level course designed to provide P-12 art teachers the skills necessary to develop and implement proper assessment strategies. Special emphasis will be on types of assessment that are used in the art classroom as well as the construction of assessments that are appropriate for elementary and secondary art classrooms.
- ED 360 Classroom Management in Art Education (3 Sem. Hrs.)**  
*Prerequisite: Admission to the Teacher Education Program*  
**Field experience is required.** This course is designed to prepare the senior level art student in the techniques of classroom management; emphasizing rules, procedures and general classroom organization for the elementary through high school classroom.
- ED 404 Methods and Materials for Teaching English Language Learners (3 Sem. Hrs.)**  
*Prerequisite: ED 322 or ED 325*  
This course focuses on curriculum development and instruction for students (K-6) in a variety of English learner programs. The course emphasizes second-language methods, approaches, and strategies to facilitate ELL students learning of reading, writing, speaking and listening in English and other content areas such as mathematics, science and social studies. Frameworks for evaluating curriculum materials and their instructional recommendations for ELL students are provided.
- ED 405 Assessment of English Language Learners (3 Sem. Hrs.)**  
The theoretical and practical aspects of assessing English language learners are addressed including examination of instruments used by educators to assess the language proficiency and academic achievement of linguistically diverse students. Classroom assessment practices across content areas will be developed within this course. Provisions of state and federal requirements, and the use of varied data sources to distinguish between ELLs who are developing normally and those with a disabling condition are discussed.
- ED 407 Emerging Instructional Technologies (3 Sem. Hrs.)**  
**Note: This course requires land-based lab activities conducted at the main Athens State campus. This course requires intermediate-level technology/computer skills (e.g., word processing, slide presentations, and basic video production).** In this course, current leading-edge research about emerging instructional technologies is integrated with hands-on experiences. Through the process of compiling, evaluating, and organizing educational technology resources, K-12 teachers will obtain the skills necessary to provide similar learning experiences for their respective students. More importantly, participants will consider their own unique educational contexts while working with course content to determine how the Internet can be used to meet teaching and learning goals.
- ED 408 Issues and Trends in Educational Technology (3 Sem. Hrs.)**  
**This course requires intermediate-level technology/computer skills (e.g., word processing, slide presentations, and basic video production).** This course will provide a holistic overview of the issues and trends associated with using the Internet for instruction. Participants will review and discuss literature from a variety of sources, such as educational technology research journals, educational technology practitioner magazines, online articles and websites, and select books. Participants will engage in group reading discussions and projects, compose position papers, and chart the history, current state and possible future developments in educational technology.
- ED 409 Special Topics in Education Technology (1-6 Sem. Hrs.)**  
*Prerequisites: ED 305, ED 307, ED 308, and permission of instructor*  
**This course requires intermediate-level technology/computer skills (e.g., word processing, slide presentations, and basic video production).** This practicum course explores topics and/or includes projects related to development and innovations in modern technology, as applied to teaching/training and learning. Composition will vary from semester to semester and over time.
- ED 410 Curriculum Integration of Technology for Elementary Learners (3 Sem. Hrs.)**  
**This course requires intermediate-level technology/computer skills (e.g., word processing, slide presentations, and basic video production).** This course will focus on using technology tools to help facilitate learning in the elementary classroom and help pre-service teacher and students improve digital awareness. Participants will engage in learning instructional strategies and techniques unique to the elementary classroom. Participants will also review and practice strategies, regarding the proper use and implementation of technologies, into content specific teaching and learning. Students will examine how role of technology differentiating instruction. By the end of the course, participants will have designed several lesson plans and activities for the elementary classroom toolkit.
- ED 411 Curriculum Integration of Technology for Secondary and Adult Learners (3 Sem. Hrs.)**  
**This course requires intermediate-level technology/computer skills (e.g., word processing, slide presentations, and basic video production).** This course will focus on using technology tools to help facilitate learning in secondary and adult teaching environments and help pre-service teachers and students improve digital awareness. Participants will engage in learning instructional strategies and techniques unique to secondary and adult classrooms. Participants will also review and practice strategies, regarding the proper use and implementation of technologies, into content-specific teaching and learning. Students will examine how role of technology differentiating instruction. By the end of the course, participants will have designed several lesson plans and activities for the classroom toolkit.
- ED 413 Interactive Learning Environments (3 Sem. Hrs.)**  
**This course requires intermediate-level technology/computer skills (e.g., word processing, slide presentations, and basic video production).** This course will explore technological impacts and pedagogical practices adapted to address interactive learning



environments.

- ED 483 **Practicum in Teaching and Training (3 Sem. Hrs.) (Also listed as CE 483)**  
ED 484 **Practicum in Teaching and Training (3 Sem. Hrs.) (Also listed as CE 484)**  
ED 485 **Practicum in Teaching and Training (3 Sem. Hrs.) (Also listed as CE 485)**  
Studies designed to expand teaching/training skills of participants.

## English (EH)

- EH 301 **Advanced Composition (3 Sem. Hrs.)**  
A study of advanced features of composition writing and evaluation focusing upon declared majors. Product-centered as well as process-centered techniques will be examined.
- EH 303 **Journalism (3 Sem. Hrs.) (Lab fee)**  
(This course will **not** satisfy literature requirements. It is designed to fulfill requirements for language arts majors.) This course is a study and practical experience with journalistic principles, processes, and practices of the news media, utilizing media outlets both in schools and in the community with special emphasis on work with school publications.
- EH 304 **Southern Literature (3 Sem. Hrs.)**  
This course is an appreciative and critical study of the body of fine literature written by and about residents of the American South with a concentration on literature in the 20th century. Both oral and written student response are required.
- EH 307 **Major Authors I (3 Sem. Hrs.)**  
This course is a survey (Ancient to Renaissance) of contributions to western civilization by the great writers of ancient and medieval times, beginning with the Old Testament and concluding with John Milton. Both oral and written student response are required.
- EH 308 **Major Authors II (3 Sem. Hrs.)**  
This course is a survey of contributions to western civilization made by the great writers of the 18th century through the 20th century, beginning with the Enlightenment and ending with contemporary writers. Both oral and written student response are required.
- EH 310 **Film: History, Development and Evaluation (3 Sem. Hrs.)**  
This course looks at the history and development of the film as literature and drama, with student practice in critical evaluation. Films will be viewed and read about, and students will perform oral and written criticism of them. The course may include film writing and film making.
- EH 311 **Drama Production (3 Sem. Hrs.) (Lab fee)**  
(This course will **not** satisfy literature requirement. It is designed to fulfill requirements for Language Arts majors.) This course covers the study and practical experience in producing, acting, and directing, or otherwise active participation in stage craft in school or community theatre. An opportunity exists for qualified students to study with the Alabama Shakespeare Festival Theatre.
- EH 312 **Dramatic Literature (3 Sem. Hrs.)**  
This course covers the selected studies in drama, from classical through contemporary, designed to provide a wide familiarity with dramatic literature. The close study of specific plays are included. Both oral and written student response are required.
- EH 313 **Modern American Drama (3 Sem. Hrs.)**  
Through the examination of plays, this course will explore the development of Modern American Drama. The focus will begin with the foundational drama of Eugene O'Neill in the 1920s through the contemporary drama of Susan-Lori Parks in the early 21<sup>st</sup> Century. Over the course of the semester students will read plays, discuss American playwrights, and examine the historical, social, and critical contexts of the period. Although analysis of dramatic texts will be the main focus, discussion will emphasize historical documents and artifacts, dramatic reconstructions (including taped and live performances), and major theories of early 20<sup>th</sup> Century drama.
- EH 314 **19<sup>th</sup> Century British Studies (3 Sem. Hrs.)**  
This course is a critical study of the major and minor works of the Romantic and Victorian periods. Both oral and written analysis are required.
- EH 316 **American Masterpieces (3 Sem. Hrs.)**  
This course is an in-depth study of the major works of American literature from the colonial period to the present. Both oral and written analysis are required.
- EH 319 **Technical Theatre (3 Sem. Hrs.)**  
This course will cover the technical aspects of play production, designed for students who intend to direct a play or teach Drama.
- EH 320 **Grammar (3 Sem. Hrs.)**  
**Prerequisite: Two courses in freshman composition**  
(This course will **not** satisfy literature or composition requirement.) This course is a teaching-oriented course, using both traditional standard grammar and linguistics-based grammatical systems and will include some work in elements of composition.
- EH 322 **Costume Design (3 Sem. Hrs.)**  
In this course, students will learn to design costumes for stage productions and will work on combining visual expression with ideas about character and theme. Students will learn to analyze a script for relevant information, develop costume plots and breakdowns, do clothing and design research, create image references, and swatch them with fabric ideas.

- EH 325 Myth: Ritual and Culture (3 Sem. Hrs.)**  
This course is a study of the core Greco-Roman myths of Western Civilization, their impact on art, literature, and culture, and their ongoing evolution in art, advertising, film, and in fantasy and young adult literature.
- EH 330 Literary and Critical Theory (3 Sem. Hrs.)**  
This course is an introduction to the major figures and principles of literary theory from Plato to the present.
- EH 331 Dramatic Theory and Criticism (3 Sem. Hrs.)**  
Dramatic Theory and Criticism surveys the range of theatre and performance theories from ancient time to the present, as well as critical methodologies to theatre, drama and performance (e.g. Feminism, Semiotics, Materialism, Post Colonialism, etc.). Considerable time will be devoted to the development of excellent writing skills, including organization and editing of material, effective argumentation, and the conventions of research and citation standard for the discipline.
- EH 332 Adaptation and the Arts (3 Sem. Hrs.)**  
Many plays, musicals, and television shows are adapted from other literary, dramatic, and artistic sources. This colloquium will examine and compare source material such as novels, and short stories adapted into plays, films and other representational forms. In addition, students will focus on works whose characters are confronted with life's challenges, often requiring them to *adapt* to new circumstances. In this way students will consider not only the art and techniques of adaptation, but also adaptation as a social, interpersonal, and creative human process.
- EH 333 Acting I (3 Sem. Hrs.)**  
This course is a study and practice in the art and skills of acting in live theater to include emphasis on the use of voice, gesture, and body language to convey meaning and emotion.
- EH 334 Acting II: Scene Study and Acting Shakespeare (3 Sem. Hrs.)**  
Acting II: Scene Study and Acting Shakespeare is a performance class offering in-depth scene and monologue study emphasizing character development and script analysis. Various basic through advanced acting techniques will be discussed and utilized as students work with some of the most-produced playwrights in the English language. Students will have the opportunity to begin or further their work on monologues which can be used as audition pieces, and to develop in-depth scene work with partners. This course will culminate with exploring techniques for acting Shakespeare based in the 1623 First Folio.
- EH 335 Movement and Stage Combat (3 Sem. Hrs.)**  
Movement Stage Combat explores creative movement for the theatre with an emphasis in stage combat. This course is designed to stimulate the actor's body to increase flexibility and the kinetic response to environmental stimuli through exercise and research into the physical process. Our main goals are to develop the ability to safely portray violence onstage within the context of a play with specificity and dramatic power, as well as to understand how stage combat fits into the practice of theater as a whole. Other aspects include the development of strength and flexibility, eye/hand coordination, understanding and applications of principles of safety in working with a partner, and learning how to advance your character journey and develop ensemble work through each individual move in a fight sequence. This course will be a hands-on approach with emphasis placed upon actor safety, dramatic requirements of the script, and historical accuracy.
- EH 400 Creative Writing (3 Sem. Hrs.)**  
This course is a study and practice in the art and skills of creative writing--poetry, prose, and drama.
- EH 401 Speech: Conflict Management (3 Sem. Hrs.)**  
(This course will satisfy the general speech requirement. It will **not** satisfy a literature requirement.) This is a course in interpersonal communication, and group dynamics. Emphasis will be on conflict, resolution, problem solving and mediation.
- EH 405 Playwriting (3 Sem. Hrs.)**  
This course is a study and practice in the art and skills of playwriting. The student will learn to write plays by writing plays.
- EH 414 History of the English Language (3 Sem. Hrs.)**  
(This course will **not** satisfy literature or composition requirements.) This course looks at the development of American English from early and medieval British beginnings to the current linguistic standards and variations. It is designed to increase ease of use, vocabulary, and appreciation of the English language. Analytical writing is required.
- EH 416 Interpreting the Text (3 Sem. Hrs.) (Also listed as RE 416)**  
This course is an examination of various ancient, historical, and literary methods of interpreting literature covering the range from ancient ways of reading texts to current poststructuralist approaches. Even though primary emphasis will center on religious texts, there will be considerable attention given to issues and methods that emerged from the realms of the social sciences, literature, and philosophy.
- EH 425 Shakespeare (3 Sem. Hrs.)**  
This course is designed to provide familiarization with the range of Shakespeare's work as well as close critical appreciation of certain sonnets and plays.
- EH 426 Renaissance Drama (3 Sem. Hrs.)**  
Through the examination of plays, students will explore the development of dramatic literature in the European Renaissance from 1589-1700. Over the course of the semester students will read plays, discuss European playwrights, and examine the historical, social, and critical contexts of the period. The focus will begin with the foundational drama of the University Wits in Elizabethan period, and continue through the commercial theatre of the Jacobean and Carolinian period. These English plays will then be contrasted with the dramatic works Lope de Vega and the playwrights of the Spanish Golden Age. Finally the course will conclude with an exploration of the French Neoclassical drama of the Seventeenth Century. Although analysis of dramatic texts will be the main focus, discussion will

emphasize historical documents and artifacts, the development of Renaissance theatrical performance, dramatic reconstructions (including taped and live performances), and major theories of Early Modern European drama.

- EH 431 Poetry and Poetics (3 Sem. Hrs.)**  
This course is a critical study of the major poems in English and American literature with an emphasis on language, forms, themes, poetic theory, analysis, interpretation, and explication. Both oral and written analysis are required.
- EH 433 Fiction (3 Sem. Hrs.)**  
This course is a study of a wide range of fiction. Study is designed both to increase enjoyment of fiction and to develop analytical and evaluative reading skills. Both oral and written response are required.
- EH 440 African-American Studies (3 Sem. Hrs.)**  
This course is a study of the major works of African-American writers from the 1700's to the present day. It includes the history of the African-American culture with an emphasis on literature related to the civil rights movement: 1865-1965.
- EH 441 Special Topics in English (1 Sem. Hr.)**  
**EH 442 Special Topics in English (2 Sem. Hrs.)**  
**EH 443 Special Topics in English (3 Sem. Hrs.)**  
*Prerequisite: Consent of instructor.*  
These courses will be offered on occasion of student demand or need.
- EH 450 Renaissance Literature 1550-1680 (3 Sem. Hrs.)**  
This course is a critical study of the major works of the English Renaissance from Spenser through Milton, (1550-1680) exclusive of Shakespeare. Both oral and written analysis are required.
- EH 451 The British Novel (3 Sem. Hrs.)**  
This course covers the development of the English novel as a genre from late seventeenth century to the present. Students will gain perspective on this literary form with emphasis on how moral, social, economic, gender, political, and philosophical problems were perceived during corresponding periods of the English novel's history.
- EH 452 Chaucer and Medieval Literature (3 Sem. Hrs.)**  
This course is a critical study of the major literary works of the middle ages with an emphasis on Chaucer and The Canterbury Tales. Both oral and written analysis are required.
- EH 454 Young Adult Literature (3 Sem. Hrs.)**  
This is a survey course of novels for middle and high school readers. Various themes and a diverse representation of authors will be studied.
- EH 455 Theatre for Young Audiences (3 Sem. Hrs.)**  
Theatre for Young Audiences (TYA) surveys the range of theatre and performance theories and practice of all phases of play production for young audiences. In this course students will discuss the TYA movement of the later 20<sup>th</sup> Century, various theories, practices, and applications of theatre for children and adolescents. Children's plays will be analyzed and examined through reading, discussion, and scene study. Although analysis of dramatic texts will be the main focus, there will also be discussions on historical documents and artifacts, the development of TYA performance, and dramatic reconstructions (including taped and live performances).
- EH 457 Materials and Methods of Teaching English/Language Arts in the Middle School/High School (3 Sem. Hrs.)**  
*Prerequisite: Admission to the Teacher Education Program*  
A senior methods portfolio must be submitted during this class (LiveText required). This course does not satisfy requirements for any English major, minor, or general studies. This course is intended to enhance the students' abilities to plan, implement, and evaluate instructional methods, activities and equipment into instruction; to expand knowledge of curriculum in drama, journalism, literature, speech and writing; and to improve student-centered instructional techniques. Students will actively participate in demonstration and modeling of strategies and techniques. Research-based decision making will be emphasized.
- EH 460 Directed Study of English (1 Sem. Hr.)**  
**EH 461 Directed Study of English (2 Sem. Hrs.)**  
**EH 462 Directed Study of English (3 Sem. Hrs.)**  
*Prerequisite: Consent of instructor*  
These courses are special research or creative writing courses designed to meet specific needs and interest.
- EH 465 Internship in Applied Journalism: Student Editor of Athena's Web, A Journal of the College of Arts and Sciences (1 Sem. Hr.)**  
*Prerequisite: Consent of Instructor*  
This course is a study and practical experience with journalistic principles, processes, and practices, with a special emphasis on copy reading, headline writing, and publication layout with online student academic journal publications.
- EH 466 Practicum in Production (3 Sem. Hrs.)**  
Practicum in Production is designed to provide college credit for participation in Athens State University theatre activities. This course is designed to provide students the opportunities to participate in and learn skills directly related to specific areas of theatrical production. This course allows the student to work in all areas of theatre practicum during an instructed work call. It may be in set building, painting, costumes, props, publicity and-or box office for a certain number of hours each week so that a practical knowledge of the working theatre may be obtained.

- EH 469 English Capstone Seminar (1 Sem. Hr.)**  
This capstone course for English majors, which must be taken during students' final semester as seniors, will consist of three main components: a comprehensive examination based on required Professional courses in English major, a research paper/project designed around students' needs and interests, and a presentation of research. Upon successful completion of this course, students will understand how to formulate a thesis, collect, assess and integrate scholarly research into a 25-page research paper and present the findings of their research orally and before peers. Like all humanities classes at Athens State University, this one increases students' awareness of cultural heritage and helps them develop the research abilities for graduate work.

## Elementary Education (EL)

- EL 315 Principles and Methods of Teaching Kindergarten (3 Sem. Hrs.)**  
This is a course designed to teach Elementary Education majors (K-6) appropriate methodology specifically for kindergarten. This course includes developmental characteristics of five-year-old children with emphasis on language and intellectual development. The course will provide theoretical and philosophical bases for selecting materials and methods for a developmentally appropriate kindergarten curriculum. Implications for equipment selection, room arrangements, daily schedules, and learning experiences are discussed.
- EL 320 Children's Literature (3 Sem. Hrs.)**  
This is a survey course of current and traditional prose and poetry thought to be applicable to diverse populations of children. Emphasis is placed on the integration of children's literature throughout the curriculum.
- EL 321 Curriculum and Instruction: Language Arts (3 Sem. Hrs.)**  
**Prerequisites: ED 301 and ED 302**  
A course designed to teach appropriate methodology for all areas of language arts with an emphasis on effective teaching of written composition in the elementary grades/early middle school grades. Course reflects the integrative nature of the language arts; the need for wholeness; the importance of being able to transfer skills, abilities, and attitudes learned in one context to another.
- EL 324 Curriculum and Instruction: Primary Mathematics (3 Sem. Hrs.)**  
**Prerequisites: ER 323**  
**Field experience is required. Course requirements include mandatory campus-based training. Consult the College of Education Calendar of Events Webpage for more information.** A course designed to assist prospective teachers of young children in presenting early mathematical concepts and skills. Application of psychological principles to the teaching and learning of mathematics is included.
- EL 351 Assessment Strategies for the Elementary Classroom (3 Sem. Hrs.)**  
A junior level course designed to provide elementary and elementary/collaborative teachers the skills necessary to develop and implement proper assessment strategies. Special emphasis will be on types of assessment that are used in the classroom including state mandated assessments and interpretation of data received from standardized testing as well as the construction of assessments that are appropriate for an elementary classroom.
- EL 352 Curriculum and Instruction: Management Strategies (3 Sem. Hrs.)**  
**Prerequisites: ED 301 and ED 302**  
A junior level course designed to prepare prospective elementary and elementary/collaborative teachers to provide an environment for effective learning. Special emphasis will be on classroom organization, discipline, and the establishment of fair rules and procedures. General methods for establishing a community of learners will be identified through the design of a classroom layout and the procedures and rules that are appropriate for an elementary classroom.
- EL 413 Curriculum and Instruction: Intermediate Reading (3 Sem. Hrs.) (Lab fee)**  
**Prerequisite: ER 323**  
This course provides in-depth study in and application of the process of reading and reading instruction, theoretical approaches, instructional strategies, classroom organization, and the formal/ informal assessment of teaching reading in the intermediate grades. Emphases are on acquiring vocabulary, developing comprehension skills, and refining reading processes by modeling metacognitive strategies that promote reading for meaning and foster an enjoyment of reading in a balanced literacy program.
- EL 420 Curriculum and Instruction: Science (3 Sem. Hrs.) (Lab fee)**  
**Prerequisites: ED 301 and ED 302**  
**Course requirements include mandatory campus-based training. Consult the College of Education Calendar of Events Webpage for more information.** Recommended for students beginning their third full semester of course work. This course is designed to present a comprehensive overview of the place of science in elementary education: the objectives and trends, issues in science curriculum and teaching methods, how children learn science, the relation of science to daily life, processes in science, organizing the program, and obtaining materials for instruction. Emphasis is placed on materials and methods, processes of discovery, and the role of children as investigators. Inquiry science teaching is a major course emphasis.
- EL 423 Curriculum and Instruction: Social Studies (3 Sem. Hrs.)**  
**Prerequisite: Admission to the Teacher Education Program**  
This course is designed to provide prospective elementary and middle school teachers with materials and methods to help children develop competencies that will enable them to deal with and, to some extent, manage the physical and social forces of the world in which they live. Emphasis is placed on a balanced instructional program in the development of understandings, attitudes, and skills which are needed to meet intelligently the problems of everyday living.
- EL 424 Curriculum and Instruction: Intermediate Mathematics (3 Sem. Hrs.) (Lab fee)**  
**Prerequisites: EL 324 and Admission to the Teacher Education Program**  
This course is based on the NCTM Standards and is designed to present a comprehensive overview of the topics presented in an elementary/middle school mathematics program. Emphasis is placed on materials and methods that assist students in learning

mathematical concepts with understanding for application in everyday living.

- EL 482 Internship in Elementary Education (6-12 Sem. Hrs.) (Teaching Internship fee)**  
*Prerequisites: Admission to the Teacher Education Program and clearance by the Internship Office*  
Fifteen-week internship program. This culminating experience of the Teacher Education Program provides practical experience in teaching classes in state-accredited schools under the guidance of a cooperating teacher and supervision by a University supervisor.
- EL 483 Internship in Elementary Education (3-6 Sem. Hrs.) (Teaching Internship fee)**  
*Prerequisites: Admission to the Teacher Education Program and clearance by the Internship Office*  
Seven-week internship program for persons seeking certification through the Elementary/Collaborative K-6 degree.
- EL 484 Curriculum Seminar in Elementary Education (3 Sem. Hrs.)**  
*Prerequisites: ER 323 and Admission to the Teacher Education Program*  
**Field experience is required.** Senior methods portfolio must be submitted during this class. This is a senior level capstone course designed to prepare prospective elementary teachers through reflective practice and to provide an environment for effective learning. Special emphases will be on classroom organization, including preparing for the first day of school, establishing fair rules and procedures, and integrating the curriculum. The course will include recent trends in the selection and organization of the elementary school curriculum. General methods for integrated teaching will be identified through the planning of a series of lessons appropriate for an elementary school class.

## Early Childhood Education (ER)

- ER 302 Language Development and Developmental Interactions (3 Sem. Hrs.)**  
*Prerequisites: ED 301 and ED 302*  
This course emphasizes the development of language (including phonology, morphology, syntax, semantics, and pragmatics), cognitive, social development and their relationship to language development. Topics include theory and stages of language and cognitive development and strategies and materials used to meet the developmental needs of young children who are developing typically and those with developmental delay and disability.
- ER 303 Professional Education Communication (3 Sem. Hrs.)**  
This beginning education course is designed to facilitate the acquisition of professional attributes, and to improve oral and written communication skills by refining study and research skills, using professional vocabulary, sharing research findings about educational trends and issues, seeking funding for educational programs, sharing information with families, and writing lesson plans. Attributes and dispositions will be articulated, defined, and modeled. These dispositions will be encouraged in oral presentations and collegial interactions. Practice in oral and written language usage will occur through writing and speaking about current educational concerns.
- ER 309 Early Brain Development (3 Sem. Hrs.) (May be used as a substitution for CHD 209)**  
The purpose of this course is to help students understand how early brain development might be related to changes in cognitive and affective development in young children birth through age 8. Topics will include (1) normal development in infants and toddlers in all domains, physical, social, emotional and cognitive; (2) the history, theory and research on early brain development; (3) biological perspectives on development; (4) the processes of brain maturation; (5) the educational implications of early brain research; (6) brain plasticity; (7) the neurological basis development disorders, and; (8) the effects early experiences have on the development of the young child.
- ER 310 Principles of Early Childhood Education (3 Sem. Hrs.)**  
This course is designed to provide prospective teachers of young children with the historical, theoretical, and practical issues of early childhood education. Emphasis is on early childhood philosophical and sociological foundations, facets of development, principles of learning, trends and issues, and program models.
- ER 318 Literature in Early Childhood Education (3 Sem. Hrs.)**  
This course has a two-fold purpose. As a survey course, it is designed to assist preservice teachers in becoming acquainted with the great wealth of trade books available for today's young children. An equally important purpose is to assist pre-service teachers so they may guide young children toward more creative, insightful utilization of literary materials in a classroom setting.
- ER 319 Literacy and Literature for the Young Child (3 Sem. Hrs.)**  
*Prerequisite: Admission to the Teacher Education Program*  
**Course requirements include mandatory campus-based training. Consult the College of Education Calendar of Events Webpage for more information.** Emphasis is given to teaching Language Arts and literature to ESL students. This course examines methods and materials for planning, implementing, and assessing developmentally and culturally appropriate language arts and literature curricula for early childhood education. Emphasis will be on developing the process skills for facilitating emergent literacy, early writing, listening, and speaking, as well as teaching language arts and literature.
- ER 323 Curriculum and Instruction: Primary Reading (3 Sem. Hrs.)**  
*Prerequisites: ED 301 and ED 302*  
**Field experience is required. Course requirements include mandatory campus-based training. Consult the College of Education Calendar of Events Webpage for more information.** An in-depth study of early literacy development; word identification strategies including phonics, structural analysis, contextual analysis, and whole word methodology; various approaches to reading including the language experience and basal reader approaches and the uses of computers in the reading/writing program.
- ER 326 Assessment in Early Childhood Classrooms (3 Sem. Hrs.)**  
This course examines the goals, benefits, and uses of developmentally and culturally appropriate assessment processes that positively influence children's development and learning. It focuses on the family's significant role in the assessment process. It includes

developmental and health screenings, systematic observations, play-based assessments, diagnostic evaluations, documentation of learning, and curriculum and criterion referenced assessments. Strengths, limitations, problems, and the developmental and cultural appropriateness of the selected practices and strategies will be addressed.

- ER 327 Classroom Management in Early Childhood Education (3 Sem. Hrs.)**  
This course is designed to provide prospective teachers of young children with a rationale for thoughtful provision of an appropriate environment for effective learning and development in early childhood programs. This course will provide early childhood educators with the factors that influence quality programs in the area of management.
- ER 330 Children's Constructions of Relationships through Arithmetic and Mathematical Reasoning (3 Sem. Hrs.)**  
*Prerequisites: ED 301, ED 302, and ER 323*  
**Field experience is required.** Students will examine how young children construct number and mathematical concepts. They will identify and examine developmentally and culturally appropriate techniques, strategies, and materials for teaching young children arithmetic and mathematical concepts.
- ER 400 Children's Play as Symbolic Behavior (3 Sem. Hrs.)**  
This course will examine the role of representation in young children's learning, study the child's developing ability to represent what they know about their worlds through play, understand the impact of experience, culture, and social interaction on the ability to represent, as well as allow students the opportunity to explore a range of forms of symbolic representations and develop ideas and strategies to stimulate children's development.
- ER 402 Preschool Curriculum (3 Sem. Hrs.)**  
This course provides a curricula framework of goals and outcomes for young children attending Head Start, preschool, Pre-K and Kindergarten programs that support their growth and development and help teachers and administrators meet state and national standards of high quality in their programming for children. The course builds knowledge about outcomes in nine areas considered essential in preparing children for school success; language development, literacy, mathematics, science, creative arts, social and emotional development, approaches to learning and physical health and development. Students will develop the knowledge and skills to plan for children, implement plans, and assess the progress of children in meeting local, state and national standards. Emphasis is on planning and implementing plans in all domains of learning for all children, including English language learners and those with special needs.
- ER 420 Parenting and Community Relations (3 Sem. Hrs.)**  
This course will examine various ways of enhancing the young child's development through promoting positive interrelationships among early childhood educators, parents and others in the community. Using an ecological systems framework, the course builds knowledge of the roles of diverse family structures, cultural identities, stressors and supports, economic circumstances, and community characteristics and resources in facilitating child development. Learners develop skills needed for communicating effectively with families, facilitating parent education, and promoting family involvement with child care setting as well as utilization of community resources. Special emphasis is given to the importance of the role of the educational leader in school-community relations.
- ER 430 Investigation, Experimentation and Inquiry (3 Sem. Hrs.)**  
*Prerequisite: Admission to Teacher Education Program*  
**Course requirements include mandatory campus-based training. Consult the College of Education Calendar of Events Webpage for more information.** Students will examine how young children use investigation, experimentation, and inquiry to build theories in science and social studies. Emphasis will be placed on developmentally and culturally appropriate approaches that integrate the content and concepts for science and social studies.
- ER 450 Administering/Managing Early Childhood Programs (3 Sem. Hrs.)**  
It is designed to provide future administrators of childcare programs with a knowledge of the factors that influence quality programs which include: program philosophy; policies and evaluation; scheduling; nutrition and health services; home and school collaborations; administrative organization and regulations; managing personnel; working with families; organizing the physical environment; financing and budgets; advocacy and contributing to the profession.
- ER 460 Practicum in Early Childhood Education (3 Sem. Hrs.) (Lab fee)**  
This field experience consists of tutoring kindergarten or first grade students in math and reading and select in service opportunities.
- ER 461 Practicum in Early Childhood Education (3 Sem. Hrs.) (Lab fee)**  
*Prerequisite: CHD 210*  
This is a field experience in an elementary school designed to increase knowledge of how to relate to special education K-3rd grade students. Assignments are intended to link theory of early childhood education to practice.
- ER 462 Practicum in Early Childhood Education (3 Sem. Hrs.) (Lab fee)**  
*Prerequisite: CHD 202*  
This is a field experience in an elementary school designed to increase knowledge of planning fine arts experiences for K-3rd grade students. Assignments are intended to link theory of early childhood education to practice.
- ER 470 Early Childhood Curriculum (3 Sem. Hrs.)**  
*Prerequisites: ER 310 and Admission to Teacher Education Program*  
**Field experience is required.** This course is the capstone course for early childhood majors and should be taken the semester prior to internship. Senior methods portfolio must be submitted during this class. This course is designed to teach the basic principles and considerations underlying planning a developmentally appropriate curriculum for young children in Pre-K through 3rd grade (P-3 certification), in all areas of development. This course examines the content, methods, and materials appropriate for young children and the teacher's role in organizing and integrating the early childhood curriculum. Implications for equipment selection, room

arrangements, daily schedules, and learning experiences are discussed.

- ER 480 Internship in Early Childhood Education (6-12 Sem. Hrs.) (Teaching Internship fee)**  
**Prerequisites: Admission to the Teacher Education Program and clearance by the Internship Office**  
**Seminar attendance is required.** The internship is the culminating experience of the Teacher Education Program which provides practical experience in teaching classes in state-accredited schools under the guidance of a cooperating teacher and supervision by a University supervisor. For students who have not taken a preschool practicum at the community college level, the internship will also consist of time spent in a four-year-old program.

## Enterprise Systems Management (ESM)

- ESM 300 Enterprise Systems & Business Processes (3 Sem. Hrs.) (Lab fee) (Also listed as LSM 300)**  
**Prerequisite: AC/MG 302**  
Students will learn how enterprise software is used to manage the integration of business operations. Through a process-oriented view of the organization and its relationships with suppliers, customers, and employees, students study software that automates business processes and workflow. Procurement, production and sales logistics processes and their integration with Accounting and Human Resources are investigated. Students will experience ERP through hands-on lab exercises, and improve soft skills such as writing, presenting, and team building through ERP project documentation and presentations.
- ESM 320 Human Capital Management Systems (3 Sem. Hrs.) (Lab fee)**  
**Prerequisite: ESM 300; Prerequisite or Corequisite: MG 349**  
Students will learn how human capital management systems provide the tools and technologies needed to enhance all facets of HR administration and employee relationship management. Key business processes such as attracting and retaining human resources, motivating human resources, payroll processes, benefits administration, and evaluating performance will be studied. Students will experience ERP and other related software through hands-on lab exercises, and improve soft skills such as writing, presenting, and team building through ERP project documentation and presentations.
- ESM 330 Accounting Information Systems (3 Sem. Hrs.) (Lab fee)**  
**Prerequisite: ESM 300, 6 hours of Accounting; Prerequisite or Corequisite: MG 350**  
This course will introduce students to the enterprise systems that produce financial information for organizations. Key business processes for acquiring financial and capital resources will be studied. Examples include: accounting for financial capital and assets, accounting for sales and receivables, creating income statements and balance sheets, and other reports reflecting financial performance of an organization. Students will experience ERP and other related software through hands-on lab exercises, and improve soft skills such as writing, presenting, and team building through ERP project documentation and presentations.
- ESM 410 Business Intelligence Systems (3 Sem. Hrs.) (Lab fee)**  
**Prerequisite: ESM 300**  
This course is a study of data, information, and data warehouses as business intelligence solutions. Students will learn to design and develop an enterprise data warehouse as a central repository of integrated data for comprehensive analysis, presentation, and business intelligence. Special emphasis will be placed on data mining, cleansing of legacy data and elimination of data redundancy to ensure consistency and protect data integrity. Students will experience business intelligence and data warehousing through hands-on lab exercises, and improve soft skills such as writing, presenting, and team building through ERP project documentation and presentations.
- ESM 420 Enterprise Systems Development (3 Sem. Hrs.) (Lab fee)**  
**Prerequisites: ESM 300 and ISM 400**  
Students will be introduced to basic programming skills needed to customize and maintain ERP software systems. Practical programming assignments using a corporate database and several languages will be used to learn syntax, table processing, and report generation for real-world implementation and use within an ERP system. Students will experience ERP and other related software through hands-on lab exercises, and improve soft skills such as writing, presenting, and team building through ERP project documentation and presentations.
- ESM 425 Enterprise Systems Configuration (3 Sem. Hrs.) (Lab fee)**  
**Prerequisite: ESM 300**  
In this course, students will learn to implement an ERP from initial installation through configuration and testing with business transactions. They will customize an ERP system learning to setup financials, human resources, logistics, sales and distribution modules to accommodate the specific needs of an organization. Students will experience ERP and other related software through hands-on lab exercises, and improve soft skills such as writing, presenting, and team building through ERP project documentation and presentations.
- ESM 460 Enterprise Systems Senior Project (3 Sem. Hrs.)**  
**Prerequisite: ESM 320 or ESM 330**  
This capstone course for Enterprise Systems Management majors will consist of three main components: a comprehensive examination based on required courses in Enterprise (ESM) and Information Systems (ISM) management, a software project, and a paper with presentation of the results of the project. Upon successful completion of this course, students will understand how to use software in a business context to manage materials, production, and procurement processes while controlling and reporting corporate finances. This course must be taken during the student's senior year at Athens State.

- ESM 461 Internship in Enterprise Systems Management (1 Sem. Hr.) (At least 50 hours of work-based experience is required)  
 ESM 462 Internship in Enterprise Systems Management (2 Sem. Hrs.) (At least 100 hours of work-based experience is required)  
 ESM 463 Internship in Enterprise Systems Management (3 Sem. Hrs.) (At least 150 hours of work-based experience is required)  
*Prerequisites: MG 320 or GBA 300; Senior standing, approval of academic advisor, and compliance with College of Business Internship Policies and Procedures..*

These internships in the field of Enterprise Systems Management are designed to provide the student with practical work experience leading to a potential career in either functional or technical areas of the field.

## Finance (FIN)

- FIN 301 **Financial Institutions and Markets (3 Sem. Hrs.)**  
*Prerequisites: Principles of Accounting, Principles of Economics, and Algebra*  
 Overview of the financial systems in which business operates, with emphasis on financial institutions, instruments, and markets.
- FIN 355 **General Insurance (3 Sem. Hrs.)**  
 A study of fundamental principles and uses of various types of insurance: life, fire, automobile, homeowners, and other casualty and business forms.
- FIN 356 **Real Estate (3 Sem. Hrs.) (Approved by the Alabama Real Estate Commission as a pre-license course)**  
 A course designed to give students a broad understanding of the principles of real estate. Instruction includes historical background, freehold estates, leasehold estates, deeds, transferring of interests, financing, appraising, and the Alabama Real Estate License Law.
- FIN 412 **Money and Capital Markets (3 Sem. Hrs.)**  
*Prerequisites: Principles of Accounting, Principles of Economics, Algebra, MG 350, and FIN 301*  
 This course will offer an overview of the financing process and the role of financial markets. Areas covered are characteristics of instruments traded in money and capital markets; determinants of and the relationships between different asset prices; and international aspects of financial markets.
- FIN 414 **Investments (3 Sem. Hrs.)**  
*Prerequisites: Principles of Accounting, Principles of Economics, Algebra, MG 350, and FIN 301*  
 A study of the various investment media together with analysis models of investment management. Emphasis is on investment decision making and portfolio analysis.

## General Business (GBA)

- GBA 300 **Business Research Skills (1 Sem. Hr.)**  
**(LiveText required.)** This class familiarizes the student with information sources, information creation and dissemination, and research methods in business. This class is based upon The Association of College & Research Libraries' (ACRL) Framework for Information Literacy for Higher Education and Athens State University's Information Literacy Guidelines.
- GBA 301 **Windows Applications for Business (3 Sem. Hrs.)**  
 An examination of the many uses for windows applications in the modern business setting. Emphasis given to a "hands on approach" of assessing the usage of personal computers for preparing spreadsheets, managing files, word processing, and graphics.
- GBA 305 **Statistical Methods of Business I (3 Sem. Hrs.)**  
*Prerequisite: College algebra or equivalent*  
 Introduction to descriptive and inductive methods to evaluate data. Coverage will include the calculation of central tendency, tests of hypothesis, probability theory, and sampling.
- GBA 306 **Statistical Methods of Business II (3 Sem. Hrs.)**  
*Prerequisite: GBA 305*  
 An advanced course covering topics such as analysis of variance, time series analysis, simple and multiple regression, and index numbers.
- GBA 307 **Quantitative Business Analysis and HR Analytics (3 Sem. Hrs.)**  
*Prerequisites: GBA 305 and GBA 306*  
 Focuses on the concepts, processes and problem solving tools related to the quantitative aspects associated with management and operation of a business. Topics include applied linear programming, decision theory, waiting line analysis, regression analysis, forecasting techniques, inventory management and similar topics. In addition to an in-depth study of these subjects, the course will include case studies, optimization techniques, and multi-criteria decision-making applications.
- GBA 311 **The Legal Environment of Business (3 Sem. Hrs.)**  
 An analysis of the legal, social, and ethical environment of business.
- GBA 314 **Business Ethics (3 Sem. Hrs.)**  
 An examination of moral philosophy and its relevance to business operation and managerial decision making. Ethical choices and their impact will be considered. Extensive use of the case study approach will be utilized.
- GBA 350 **International Business Law (3 Sem. Hrs.)**  
*Prerequisite: None; recommended that the student complete GBA 311 or PO 350, and MG 352 before taking GBA 350*  
 This course focuses on the legal framework within which international trade takes place. Within this large framework public and private international law are important as a sub-focus. Areas to be studied include international organizations, environmental law,



human rights, economic/commercial law, public and private international law, tax law, comparative law and ethics.

**GBA 357 Personal Finance (3 Sem. Hrs.)**

A study and review of consumer money management problems, choices, and decision-making. Topics such as investing in stocks, bonds, mutual funds, commodities, and options will be covered.

**GBA 460 Directed Study/Research in Business (3 Sem. Hrs.)**

A course designed to allow students an opportunity to perform research or directed studies. This course is offered at the discretion of the professor with the approval by the College Dean.

## Geography (GO)

**GO 300 World Regional Geography (3 Sem. Hrs.)**

This course examines recent trends and research concerning the physical, historical, cultural, economic, and political developments in North America, Europe, South America, Africa, and Asia. The five basic themes of geography--location, place, relationships within places, movement, and regions--are stressed. There is also emphasis on patterns of social and political development, cultural diffusion, conflict, and cooperation in each region.

**GO 340 South America, Africa, and Asia (3 Sem. Hrs.) (Also listed as HY 340)**

This course stresses the major events in the historical development of South America, Africa, and Asia. In addition to ancient empires and culture, considerable attention is given to colonization, independence, historical figures, and current events in each region.

## General Science (GS)

**GS 301 Atmospheric Science (3 Sem. Hrs.)**

**Corequisite: GS 301L**

This is a survey course in meteorology at the introductory level. This course provides the student with physical explanations for those phenomena collectively called weather.

**GS 301L Atmospheric Science Lab (1 Sem. Hr.) Corequisite: GS 301**

**GS 330 Environmental Chemistry (3 Sem. Hrs.) (Also listed as CH 330)**

This laboratory course is a study of natural chemical processes of Earth and actual and possible effects of humans on natural chemical systems. Environmental problems such as air and water pollution, ozone depletion, and global warming are discussed. Topics may also include the introduction to some methods of environmental analysis and pertinent environmental regulations.

**GS 441 Special Topics in General Science (1 Sem. Hr.)**

**GS 442 Special Topics in General Science (2 Sem. Hrs.)**

**GS 443 Special Topics in General Science (3 Sem. Hrs.)**

**GS 444 Special Topics in General Science (4 Sem. Hrs.)**

**Prerequisite: Consent of instructor**

These courses will be offered on occasion of student demand or need.

**GS 456 Materials and Methods of Teaching General Science in Middle School/High School (3 Sem. Hrs.) (Also listed as BI/CH 456)**

**Prerequisite: Admission to the Teacher Education Program**

This course is intended to enhance the students' abilities to plan, implement, and evaluate instructional activities and to select and use appropriate materials and equipment in the field of secondary science (Biology, Chemistry, General Science). Students will actively participate in demonstration and modeling of strategies and techniques. Emphasis will be placed on the integration of laboratory activities into the curriculum and research-based science pedagogical methods. This will include the use of technology, laboratory management, inquiry teaching, teaching resources, science-thinking skills, and the Alabama science curricula. Does not satisfy requirements for biology/chemistry/general science major, minor, or general studies. Senior methods portfolio will be submitted in this course.

**GS 461 Directed Study/Research in General Science (1 Sem. Hr.)**

**GS 462 Directed Study/Research in General Science (2 Sem. Hrs.)**

**GS 463 Directed Study/Research in General Science (3 Sem. Hrs.)**

**Prerequisite: Consent of instructor**

These courses will be offered on occasion of student demand or need.

## Health Care Management (HCM)

**HCM 340 Introduction to Health Care Systems (3 Sem. Hrs.)**

**Prerequisite: MG 346, HU 321, or the equivalent**

This course provides an overview of the organization and administration of health care delivery systems in the United States. It examines the history, roles, and interactions of the various providers, consumers and governments.

**HCM 345 Management of Health Care Organizations (3 Sem. Hrs.)**

**Prerequisite: MG 346, HU 321, or the equivalent**

This course is designed to prepare students for managing health care organizations, and the development of strategies for addressing the increasing pressure to contain costs and at the same time maintain quality health care. Topics covered will include an understanding of the daily tasks managers face and the knowledge and skills required; the management of health care teams; and the concepts of total quality management to continuously evaluate and improve health care delivery.

- HCM 355 Survey of Issues in Health Care Management (3 Sem. Hrs.)**  
**Prerequisite:** *MG 346, HU 321, or the equivalent*  
 Health Care organizations are under continual pressure to contain costs while maintaining high quality health care. This course is designed to help students learn about the many controversial issues facing the health care industry and to develop skills for analysis of issues facing health care organizations, including ambulatory, acute care, and long-term care facilities. Attention will be given to the often conflicting demands health care organizations face from the various stakeholders including state and federal agencies, managed care organizations, employers, health care professionals, and patients.
- HCM 356 Legal and Ethical Issues in Health Care Management (3 Sem. Hrs.)**  
**Prerequisite:** *HCM 340*  
 This course examines the basic concepts of legal aspects and philosophical approaches to ethical dilemmas in the health care setting. Topics to be discussed include health care laws and ethical choices and their impact to patients and health care professionals.
- HCM 440 Ambulatory Care Management (3 Sem. Hrs.)**  
**Prerequisite:** *MG 346, HU 321, or the equivalent*  
 This course will examine issues related to management of ambulatory care organizations. Topics included will be organizational and financial management issues, patient care systems, managed care, human resource management principles, planning and marketing.
- HCM 460 Health Care Management Senior Seminar (3 Sem. Hrs.)**  
**Prerequisites:** *Senior standing plus completion of all 300-level required HCM minor courses*  
 This course is designed to develop management skills using practical applications of leadership and behavioral theories in a variety of health care settings. In addition, upon completion of the course, students will have gained effective tools to pursue employment in the health care management field.

## Health and Physical Education (HPE)

- HPE 301 Theory of Coaching and Officiating (3 Sem. Hrs.) (Recommended for Physical Education majors only)**  
 This course is designed to develop the knowledge of candidates regarding: Familiarity with basic philosophies, fundamentals, and rules that will cultivate keen observation and discussion of the sport. Emphases will be placed on effective methodology, strategic and theoretical elements, and motor skills leading to the development of championship teams. Additional content will include training and practice methodology, nutrition, and the psychology of motivating and uniting players as a team. A major purpose of this course is to prepare students with the basic competencies needed for interscholastic coaching and to provide an understanding of officiating mechanics. Developmentally appropriate variations can be applied for effectively coaching youth league, or collegiate teams. Opportunities will be provided to utilize technology to complete course assignments.
- HPE 321 Analysis and Teaching of Rhythms and Dance (3 Sem. Hrs.) (Recommended for Physical Education majors only)**  
 This course is designed for the purpose of providing Physical Education majors with an opportunity to increase their knowledge and understanding of basic rhythmic and dance skills and dance-related terminology. Specifically, the course is designed to prepare students to systematically analyze basic rhythms and dance skills. In addition, students will be provided with opportunities to teach a variety of rhythms and dances to students of varied backgrounds, ability levels and experiences. The course will also provide the students with an opportunity to participate and administer specific conditioning exercises, an opportunity to participate and administer specific cultural dances and integrative rhythms and dances, to construct developmentally appropriate rhythmic activities and dances, and an opportunity to analyze and implement specific competition strategies.
- HPE 322 Analysis and Teaching of Individual Sports (3 Sem. Hrs.) (Recommended for Physical Education majors only)**  
**Prerequisite:** *ED 302*  
**Field experience is required.** This course is designed for the purpose of providing Physical Education majors with an opportunity to increase their knowledge and understanding of basic sport skills. Specifically, the course is designed to prepare candidates to systematically analyze badminton, tennis, and golf sport skills, and other outdoor leisure pursuits. In addition, candidates will be provided with opportunities to teach badminton, tennis, and golf sport skills. The course will also provide the candidates with opportunities to participate and administer specific conditioning exercises, opportunities to participate and administer specific sport skill drills, opportunities to analyze and implement specific game strategies or culminating activities to other candidates. Opportunities will be provided to utilize technology to complete course assignments.
- HPE 323 Aquatics and First Aid/CPR/AED (3 Sem. Hrs.) (Lab fee)**  
**(Recommended for Physical Education majors, wellness majors, or students seeking an additional health endorsement)**  
 A course dealing with the analysis of movement involved in the performance of a variety of aquatics and lifesaving techniques. This course provides training in the procedures of administering first aid and CPR. American Red Cross Certification is awarded for the successful completion of this course.
- HPE 324 Analysis and Teaching of Team Sports (3 Sem. Hrs.) (Recommended for Physical Education majors only)**  
**Prerequisite:** *HPE 322*  
**Field experience is required.** This course is designed for the purpose of providing Physical Education majors with an opportunity to increase their knowledge and understanding of basic sport skills and enhance their ability to teach specific sport skills. Specifically, the course is designed to prepare students to systematically analyze basketball, volleyball, and soccer sport skills. Students will be provided with opportunities to teach basketball, volleyball, and soccer sport skills. Students will perform and administer conditioning exercises, perform and administer sport skill drills, and analyze and implement game strategies and culminating activities.
- HPE 325 Kinesiology (3 Sem. Hrs.) (Also listed as HWM 325)**  
**Prerequisite:** *Anatomy and Physiology*  
 This course is designed for the purpose of providing Physical Education majors with an opportunity to increase their knowledge and understanding of basic biomechanical concepts related to human performance. The course will provide the student with background,

meaning, and significance associated with the various scientific principles impacting the body's ability to adjust to the demands of physical activity. A number of biomechanical topics will be considered, including the anatomical planes and axes of the human body, the laws of motion, the muscles that produce motion, and the forces that impact movement. It is designed to allow for the utilization of technology in the preparation of daily assignments, lab assignments, data analyses, and class presentations.

- HPE 326 History and Principles of Physical Education (3 Sem. Hrs.) (Recommended for Physical Education majors only)**  
This course is designed for the purpose of providing Physical Education majors with an opportunity to increase their knowledge and understanding of basic historical aspects of physical education and sport. The course is designed to provide the student with an overview of the body of knowledge encompassing the discipline of physical education. The candidate will be exposed to the philosophical, the historical, the psychological, the biological, the sociological, and the physiological perspectives of physical education, exercise science and sport. Careers and professional considerations in physical education, exercise science and sport and the issues, challenges and the future of physical education, exercise science and sport will be studied. Candidates are provided the opportunity to observe, analyze, and reflect on the differences in policies and procedures related to a variety of public school physical education programs and activities directed at the improvement of teaching and learning to meet the needs of all students.
- HPE 327 Physiology of Exercise (3 Sem. Hrs.) (Also listed as HWM 327)**  
This course is designed for the purpose of providing Physical Education majors with an opportunity to increase their knowledge and understanding of physiological concepts associated with human performance. The course will provide the candidate with background, meaning, and significance associated with the body's ability to adjust to the demands of physical activity. A number of human performance topics will be considered, including the impact of physical activity on the cardiovascular system, the muscular system, the respiratory system, the digestive system, and the endocrine system. It is designed to allow for the utilization of technology in the preparation of daily assignments, lab assignments, data analyses, and class presentations.
- HPE 333 Care and Prevention of Athletic Injuries (3 Sem. Hrs.) (Lab fee) (Recommended for Physical Education majors only or approval of instructor)**  
This course is designed for the purpose of providing Physical Education majors with an opportunity to increase their knowledge and understanding of basic methods utilized to prevent, care, and rehabilitate athletic injuries. In addition, the course will provide the candidate with background, meaning, and significance associated with the most common athletic injuries, their anatomical and physiological associations, and their method of treatment. A number of topics will be considered, including basic anatomical structures, common injuries, basic preventative measures, basic treatment techniques, and basic information related to the role and responsibility of an athletic trainer. Opportunities will be provided to better understand the different needs of athletes and/or students.
- HPE 350 Adapted Physical Education and Sports (3 Sem. Hrs.) (Recommended for Physical Education majors only or approval of instructor)**  
A course designed to provide students with the information necessary to understand, evaluate, and develop programs of physical activities to meet the special needs, interests, and abilities of exceptional children and youth. Class will interact with exceptional students at field sites.
- HPE 354 Contemporary Health (3 Sem. Hrs.) (Also listed as HWM 354)**  
This course emphasizes concepts associated with healthy lifestyle practices. Specifically, nutrition topics and basic physical fitness concepts will be discussed and students will engage in a variety of physical activities. The course is designed around a variety of concepts including: physiological and psychological health, stress factors, physical fitness, nutrition, weight control, products of dependence, infectious diseases, accident prevention, stress management, and lifestyle choices.
- HPE 355 Health-Related Fitness and Nutrition (3 Sem. Hrs.) (Lab fee) (Also listed as HWM 355) (Meets Major prerequisite Health and Physical Education requirement for education majors with approval of instructor)**  
This course deals with the development of cardiovascular endurance, muscle strength, flexibility, nutrition, and appropriate body composition as these elements contribute to health-related fitness. The course also provides the student with the opportunity to participate in an exercise program which emphasizes cardiovascular endurance, muscular strength, and flexibility.
- HPE 356 Health Promotions (3 Sem. Hrs.) (Also listed as HWM 356)**  
This course aims to provide students with competencies to assess individual and community needs, plan and implement health education programs, and evaluate effectiveness of health education programs. This seminar concentrates on the most fundamental of all health education skills -the ability to develop, plan, fund/budget, implement, and evaluate programs. Skills most emphasized in this class are needs assessment and program evaluation. To facilitate progress toward the different professional objectives of students, students are encouraged to discuss throughout the semester their own program development projects.
- HPE 400 Organization and Administration of Physical Education (3 Sem. Hrs.) (Recommended for Physical Education majors only)**  
This course is designed for the purpose of providing Physical Education majors with an opportunity to increase their knowledge and understanding of basic theoretical and practical information about specific aspects of the process of organizing and administering both physical education and athletic programs. The course will emphasize a number of management topics, including: role of management, patterns of management structure, components of sound programs, budget design, and program evaluation.
- HPE 401 Measurement and Evaluation (3 Sem. Hrs.) (Also listed as HWM 401)**  
This course is designed for the purpose of providing Health Science, Physical Education, Health and Wellness Management, and Public Safety and Health Administration majors with opportunities to increase their knowledge and understanding of techniques utilized to administer, score, and analyze the results of health science, health and safety administration, human performance, and physical education tests. A number of topics will be considered, including basic statistical concepts, techniques utilized in test administration, techniques utilized in data collection, and techniques utilized in data analysis.
- HPE 428 Early Childhood and Elementary Physical Education Curriculum (1 Sem. Hr.)**  
This course is designed to provide early childhood, elementary and elementary/collaborative education majors with an understanding of how movement education relates to an individual child's personal development - intellectually, emotionally, socially, and physically.

This course will prepare teacher candidates to plan age-appropriate physical activities and design developmentally appropriate motor skill experiences for young children. Pedagogical principles and instructional techniques in physical education will be incorporated with emphasis on fundamental movement and movement concepts taught through the contexts of rhythms and dance, games, and gymnastics.

- HPE 429 Early Childhood and Elementary Physical Education Curriculum (3 Sem. Hrs.)**  
This course is designed to provide early childhood, elementary, elementary/collaborative, and physical education majors with an understanding of how movement education relates to an individual child's personal development—intellectually, emotionally, socially, and physically. This course will prepare teacher candidates to plan age-appropriate physical activities and design developmentally appropriate motor skill experiences for young children. Pedagogical principles and instructional techniques in physical education will be incorporated with emphasis on fundamental movement and movement concepts taught through the contexts of rhythms and dance, games, and gymnastics.
- HPE 430 Teaching, Assessment & Management of PE in Elementary (3 Sem. Hrs.) (Lab fee)**  
**(Recommended for Physical Education majors only, and that students take three of the following analysis courses prior to registering for this course: HPE 321, HPE 322, HPE 323, or HPE 324)**  
**Prerequisite: Admission to the Teacher Education Program**  
**Course requirements include mandatory campus-based training. Consult the College of Education Calendar of Events Webpage for more information. Field experience is required.** This course is designed for the purpose of providing Physical Education majors with an opportunity to increase their knowledge and understanding of source materials, plan and organize instruction, select suitable activities, and prepare teaching units and lesson plans for physical education in the elementary school. The course will provide the candidates with an opportunity to select, construct, and administer student assessment instruments, observe and analyze movement, and recognize and evaluate teacher effectiveness. In addition, the course will also provide the student with an opportunity to design and implement a sequential physical education program based on the *Alabama Course of Study* and implement lessons in a variety of school settings.
- HPE 431 Motor Development and Physical Activities (3 Sem. Hrs.)**  
The influence of various tissues (i.e., muscle, bone, adipose), and coordinated neural function are central concerns of this course. Physical activities intended to enhance the physical and motor growth and development of young children are examined. The relationship of physical and motor growth and development to all other aspects of human development is studied.
- HPE 440 Teaching, Assessment & Management of PE in High School (3 Sem. Hrs.) (Lab fee)**  
**(Recommended that students take three of the following analysis courses prior to registering for this course: HPE 321, HPE 322, HPE 323, or HPE 324)**  
**Prerequisite: Admission to the Teacher Education Program**  
**Field experience is required.** This course is designed for the purpose of providing Physical Education majors with an opportunity to increase their knowledge and understanding of source materials, plan and organize instruction, select suitable activities, and prepare teaching units and lesson plans for physical education in the high school. The course will cover the following topics: role of physical education in the high school, characteristics of high school students, planning for instruction, instructional management, and selection of learning activities. Candidates will be provided with opportunities to teach physical education lessons to public school students.
- HPE 450 Introduction to Epidemiology (3 Sem. Hrs.) (Also listed as HWM 450)**  
Epidemiology is the study of the distribution of disease and other health events in a population. This course will discuss the general field of epidemiology, but will focus on behavioral epidemiology, specifically the field of physical activity epidemiology. Students in this course will learn how the methods of epidemiology are being used to scientifically confirm that physical inactivity is a burden on public health and what can be done about it.
- HPE 460 Directed Study/Research in Physical Education (1-3 Sem. Hrs.)**  
To be offered on occasion of student need and may be taken one to three times.
- HPE 488 Internship in Physical Education, P-12 (6-12 Sem. Hrs.) (Teaching Internship fee)**  
**Prerequisites: Admission to the Teacher Education Program and clearance by the Internship Office**  
**Seminar attendance is required.** Fifteen-week internship program for physical education with seven weeks in an elementary school and seven weeks in a secondary school. This culminating experience of the Teacher Education Program provides practical experience in teaching classes in state-accredited schools under the guidance of a cooperating teacher and supervision by a University supervisor.

## Health Science (HS)

- HS 320 Biomedical Ethics (3 Sem. Hrs.) (Also listed as PH 320)**  
The course is designed to create a greater understanding of modern ethical issues in the biomedical field. Key topics will include: research on human and animal subjects, stem-cell research, genetic engineering, abortion, euthanasia, issues of justice, healthcare access, and confidentiality. The course begins with an overview of ethical theory and principle, and then explores the practical issues relating to biomedical ethics.
- HS 355 Health Policy in the U.S. (3 Sem. Hrs.)**  
This course evaluates health as a social issue and reviews major medical service programs of U.S. governments, such as Medicare and Medicaid. Much of the course focuses on the political and economic aspects of current and proposed health care policies.
- HS 400 Public Safety and Health Education (3 Sem. Hrs.) (Also listed as PSHA 400)**  
This course surveys the development and current state of training and education for selected safety and health related professions and "paraprofessional" fields. The focus of the course will be on the development of professional education in allied health and safety fields, and students will be able to pursue research regarding education and training programs from particular safety and health

disciplines and paraprofessional fields.

**HS 447 Public Health Concepts and Systems (3 Sem. Hrs.)**

This course is designed for the purpose of providing students with opportunities to increase their knowledge and understanding of the public health system and the critical issues facing today's public health agencies.

**HS 451 Environmental Health and Regulation (3 Sem. Hrs.) (Also listed as PSHA 451)**

This course provides an in-depth examination of the creation, development, and operations of governmental processes and agencies at all levels relating to environmental awareness and protection activities in the public sector. The interactions among the historical development of environmental awareness in America, the emergence of the Environmental Movement and advocacy groups, and various governmental actors are examined. The course examines governmental responses in terms of the creation of environmentally-focused agencies, passage of legislation, and administrative rule-making and regulation.

**HS 465 Senior Research Project (4 Sem. Hrs.)**

*Prerequisite: Consent of instructor*

*This capstone course should be taken during or near the time of the student's final semester.* This course consists of the following three important academic activities: (1) a comprehensive exit exam that addresses discipline specific topics, (2) a major research paper, developed in consultation with the professor, that addresses discipline specific research questions/research problems, and (3) an oral presentation that addresses the major findings associated with the senior research paper to other students in the class and faculty members.

## Humanities (HU)

**HU 313 Beginning Spanish Conversation and Culture I (3 Sem. Hrs.)**

This course is designed for students with no previous expertise in Spanish and is intended to enable the student to recognize and speak Spanish in a practical manner. Emphasis is given to language skills necessary for conducting business and successful mobility in Spanish-speaking countries or communities.

**HU 314 Beginning Spanish Conversation and Culture II (3 Sem. Hrs.)**

*Prerequisite: HU 313 or equivalent*

This course is a continuation of Beginning Spanish Conversation I, and is intended to enhance the student's ability to recognize and speak Spanish in a practical manner. Emphasis is given to language skills necessary for conducting business and successful mobility in Spanish-speaking countries or communities.

**HU 317 Beginning German Conversation and Culture I (3 Sem. Hrs.)**

This course is designed for students with no previous expertise in German and is intended to enable the student to recognize and speak German in a practical manner. Emphasis is given to language skills necessary for conducting business and successful mobility in German speaking countries or communities.

**HU 318 Beginning German Conversation and Culture II (3 Sem. Hrs.)**

*Prerequisite: HU 317 or equivalent*

This course is a continuation of Beginning German Conversation I. It is intended to enhance the students' ability to recognize and speak German in a practical manner. Emphasis is given to language skills necessary for conducting business and successful mobility in German-speaking countries or communities.

**HU 321 Research Sources and Skills (1 Sem. Hr.)**

This course familiarizes the student with the online catalog, databases, and basic reference sources in a variety of formats. The course focuses on efficient research strategies, evaluation of source material, and appropriate techniques for documenting sources. It is applicable to all subject areas and lifelong learning and adheres to the principles expressed in Athens State University's Mission and Vision statements and Information Literacy Guidelines.

**HU 330 Landmarks of Civilization (3 Sem. Hrs.) (Also listed as HY 330)**

**(Occasional lab time is required.)** This course covers the classical world to present. It is a review of selected examples of human kind's creative achievements in drama, literature, philosophy, art, and music. This course is designed to demonstrate the integration of human knowledge. It stresses expository writing and critical thinking.

**HU 450 Liberal Studies Capstone Seminar (1 Sem. Hr.)**

This capstone seminar for Liberal Studies, which must be taken during a student's final semester as a senior, will consist of writing and information literacy assignments that will serve to bring a focus to each individual student's experience as a Liberal Studies major.

## Health and Wellness Management (HWM)

**HWM 325 Kinesiology (3 Sem. Hrs.) (Also listed as HPE 325)**

*Prerequisite: Anatomy and Physiology*

This course is designed for the purpose of providing Physical Education majors with an opportunity to increase their knowledge and understanding of basic biomechanical concepts related to human performance. The course will provide the student with background, meaning, and significance associated with the various scientific principles impacting the body's ability to adjust to the demands of physical activity. A number of biomechanical topics will be considered, including the anatomical planes and axes of the human body, the laws of motion, the muscles that produce motion, and the forces that impact movement. It is designed to allow for the utilization of technology in the preparation of daily assignments, lab assignments, data analyses, and class presentations.

- HWM 327 Physiology of Exercise (3 Sem. Hrs.) (Also listed as HPE 327)**  
This course is designed for the purpose of providing Physical Education majors with an opportunity to increase their knowledge and understanding of physiological concepts associated with human performance. The course will provide the candidate with background, meaning, and significance associated with the body's ability to adjust to the demands of physical activity. A number of human performance topics will be considered, including the impact of physical activity on the cardiovascular system, the muscular system, the respiratory system, the digestive system, and the endocrine system. It is designed to allow for the utilization of technology in the preparation of daily assignments, lab assignments, data analyses, and class presentations.
- HWM 354 Contemporary Health (3 Sem. Hrs.) (Also listed as HPE 354)**  
This course emphasizes concepts associated with healthy lifestyle practices. Specifically, nutrition topics and basic physical fitness concepts will be discussed and students will engage in a variety of physical activities. The course is designed around a variety of concepts including: physiological and psychological health, stress factors, physical fitness, nutrition, weight control, products of dependence, infectious diseases, accident prevention, stress management, and lifestyle choices.
- HWM 355 Health-Related Fitness and Nutrition (3 Sem. Hrs.) (Lab fee) (Also listed as HPE 355)**  
**(Meets Major prerequisite Health and Physical Education requirement for education majors with approval of instructor)**  
This course deals with the development of cardiovascular endurance, muscle strength, flexibility, nutrition, and appropriate body composition as these elements contribute to health-related fitness. The course also provides the student with the opportunity to participate in an exercise program which emphasizes cardiovascular endurance, muscular strength, and flexibility.
- HWM 356 Health Promotions (3 Sem. Hrs.) (Also listed as HPE 356)**  
This course aims to provide students with competencies to assess individual and community needs, plan and implement health education programs, and evaluate effectiveness of health education programs. This seminar concentrates on the most fundamental of all health education skills -the ability to develop, plan, fund/budget, implement, and evaluate programs. Skills most emphasized in this class are needs assessment and program evaluation. To facilitate progress toward the different professional objectives of students, students are encouraged to discuss throughout the semester their own program development projects.
- HWM 401 Measurement and Evaluation (3 Sem. Hrs.) (Also listed as HPE 401)**  
This course is designed for the purpose of providing Health Science, Physical Education, Health and Wellness Management, and Public Safety and Health Administration majors with opportunities to increase their knowledge and understanding of techniques utilized to administer, score, and analyze the results of health science, health and safety administration, human performance, and physical education tests. A number of topics will be considered, including basic statistical concepts, techniques utilized in test administration, techniques utilized in data collection, and techniques utilized in data analysis.
- HWM 450 Introduction to Epidemiology (3 Sem. Hrs.) (Also listed as HPE 450)**  
Epidemiology is the study of the distribution of disease and other health events in a population. This course will discuss the general field of epidemiology, but will focus on behavioral epidemiology, specifically the field of physical activity epidemiology. Students in this course will learn how the methods of epidemiology are being used to scientifically confirm that physical inactivity is a burden on public health and what can be done about it.

## History (HY)

- HY 302 Alabama History (3 Sem. Hrs.)**  
This course looks at the history of Alabama and its southern heritage from early times to the present. It is a study of present day problems and an examination of the space age as it has effected Alabama's development are included.
- HY 303 The South In United States History (3 Sem. Hrs.)**  
(Satisfies the American requirement for a B.A. or minor in history as well as elective requirement for the minor and American History for a B.S. in Social Science.) This course is a study of the post-Reconstruction South. It is a survey of its historical, economic, and social development as a distinct region of the United States.
- HY 304 Revolutionary America (3 Sem. Hrs.)**  
(Satisfies the American requirement for a B.A. or minor in history as well as elective requirement for the minor and American History for a B.S. in Social Science.) This course is a survey of Anglo-American colonial history, revolutionary developments, and the writing and ratification of the Constitution of the United States.
- HY 305 American Expansion in the 19th Century (3 Sem. Hrs.)**  
(Satisfies the American requirement for a B.A. or minor in history as well as elective requirement for the minor and American History for a B.S. in Social Science.) This course covers the early years of the republic rise of sectionalism, and the forces of industrialization, urbanization, and immigration in United States history. Also explored is westward migration, the quest for social justice including the major reform movements of the century and the interdependence of the people of the United States.
- HY 306 20th Century America (3 Sem. Hrs.)**  
(Satisfies the American requirement for a B.A. or minor in history as well as elective requirement for the minor and American History for a B.S. in Social Science.) This course is an examination of the political, social, cultural, and economic developments in 20th-century America. Emphasis is placed on the Progressive Movement, role of the United States in world affairs, the Interwar period, and developments after World War II, particularly the Vietnam Era and its aftermath.
- HY 307 American Constitutional Law (3 Sem. Hrs.) (Also listed as PO 307 and CJ 307)**  
This course examines the text of the nation's primary law and key decisions of the U.S. Court interpreting certain phrases. Organization and operation of the Court are also covered. This course focuses on separation of powers, federalism, interstate commerce, taxation, the contract clause and the takings clause. This course provides a foundation in American constitutionalism for

students who plan to attend law school or teach social studies in the secondary schools.

- HY 309 American Civil War and Reconstruction (3 Sem. Hrs.)**  
(Satisfies the American requirement for a B.A. or minor in history as well as elective requirement for the minor and American History for a B.S. in Social Science.) This course covers the causes, events, and results of the Civil War. Also political, economic, and social aspects of Reconstruction are discussed.
- HY 310 A History of American Religion (3 Sem. Hrs.)**  
(Satisfies the American requirement for a B.A. or minor in history as well as elective requirement for the minor and American History for a B.S. in Social Science.) The role of religion in America's development is the focus of this course. Each period from European settlement to the triumph of the people over their land at the end of the 19th century and through the tribulations of the two World Wars is examined. Theology is explored only when it directly explains particular historical events.
- HY 312 Early Modern Europe, 1610-1789 (3 Sem. Hrs.)**  
(Satisfies the European requirement for a B.A. or minor in history as well as elective requirement for the minor and Non-American History for a B.S. in Social Science.) This course is a survey of European history during the seventeenth and eighteenth centuries including the Scientific Revolution, the establishment of the great empires of trade, the Enlightenment, and the rise of Russia.
- HY 313 Revolutionary Europe (3 Sem. Hrs.)**  
(Satisfies the European requirement for a B.A. or minor in history as well as elective requirement for the minor and Non-American History for a B.S. in Social Science.) This course is a study of the background and the events of the French Revolution and the Napoleonic Period (1789-1815). Emphasis is placed on the revolutionary wellsprings of the contemporary Western world.
- HY 314 19<sup>th</sup> Century Europe (3 Sem. Hrs.)**  
(Satisfies the European requirement for a B.A. or minor in history as well as elective requirement for the minor and Non-American History for a B.S. in Social Science.) This course is a study of the social, political, and industrial forces which shaped modern Europe between 1815 and 1914. Particular attention is given to the development of large state and business bureaucracies, the spread of industry and steam transportation, European imperialism, the rise of totalitarian ideologies, and the increase in popular participation in political and social events.
- HY 315 20<sup>th</sup> Century Europe (3 Sem. Hrs.)**  
(Satisfies the European requirement for a B.A. or minor in history as well as elective requirement for the minor and Non-American History for a B.S. in Social Science.) The major themes of the course are the rise and demise of totalitarian dictatorships, the continued spread of democracy, the appearance of the welfare state, and the general improvement of the European standard of living since 1918.
- HY 322 England and Britain Since 1688 (3 Sem. Hrs.)**  
(Satisfies the European requirement for a B.A. or minor in history as well as elective requirement for the minor and Non-American History for a B.S. in Social Science.) This course is a survey of English and British history from 1688 to the present. The course encompasses political, constitutional, socioeconomic, cultural, intellectual, and imperial movements.
- HY 323 Tudor and Stuart Britain, 1485-1714 (3 Sem. Hrs.)**  
(Satisfies the European requirement for a B.A. or minor in history as well as elective requirement for the minor and Non-American History for a B.S. in Social Science.) This course is a survey of the political, religious, social and economic history of England and the British Isles during the sixteenth and seventeenth centuries.
- HY 324 Nazi Germany (3 Sem. Hrs.)**  
(Satisfies the European requirement for a B.A. or minor in history as well as elective requirement for the minor and Non-American History for a B.S. in Social Science.) The course is designed to provide students with a comprehensive, sophisticated account and analysis of the Nazi period in German history. It will explore issues related to the content and implications of Nazi ideology, the role of Hitler, the complicity of elites such as the Junkers, the military the churches and big business. The course will examine the origins both of the Nazi movement and of the conditions in Germany that led to the movement's rise to power. It will provide a detailed analysis of the consequences of the implementation of Hitler's policies in the forms of genocide, military conquest, and defeat.
- HY 325 America's Vietnam War (3 Sem. Hrs.)**  
(Satisfies the American or Non-Western requirement for a B.A. or minor in history as well as elective requirement for the minor and American or Non-American History for a B.S. in Social Science.) This course explores America's experience in Vietnam from the 1940s to the 1970s in depth. This course grapples with this strange and terrible war as it attempts to answer questions such as, why did the United States make such a vast commitment to a part of the world with such little importance to its own national interests, what was the United States trying to accomplish in Vietnam, and why did the United States fail to fulfill its intentions in Vietnam.
- HY 330 Landmarks of Civilization (3 Sem. Hrs.) (Also listed as HU 330)**  
(Does **not** satisfy the requirements for a B.A. or minor in history.) **(Occasional lab time is required.)** This course covers the classical world to present. It is a review of selected examples of human kind's creative achievements in drama, literature, philosophy, art, and music. This course is designed to demonstrate the integration of human knowledge. It stresses expository writing and critical thinking.
- HY 334 Middle East (3 Sem. Hrs.)**  
(Satisfies the Non-Western requirement for a B.A. or minor in history as well as elective requirement for the minor and Non-American History for a B.S. in Social Science.) This course is a survey of the historical and cultural characteristics of those countries from Mauritania and Morocco to Afghanistan. Emphasis is placed on the historical development and Arabization of the region, current socio-economic problems, the strategic significance of the area, and its relations to the rest of the world.

- HY 335 Past Imperfect: A Study of World War II Film and History (3 Sem. Hrs.)**  
(Satisfies the European requirement for a B.A. or minor in history as well as elective requirement for the minor and Non-American History for a B.S. in Social Science.) This course is designed to introduce the student to the topic of film and history. Attention will focus on World War II with a selection of representative prewar, wartime, and postwar films.
- HY 336 A History of Criminal Justice (3 Sem. Hrs.) (Also listed as CJ 336)**  
(Does not satisfy the requirements for a B.A. or minor in history.) The subject of this course is the historical development of American criminal justice philosophy, institutions, and practices in the political, cultural, and social context of the Western world and the United States from ancient Hebraic Law to the present. Emphasis is on the contribution and effect of the Enlightenment, Puritanism, American Revolution and Constitution, and frontier experience on the origins and evolution of the American administration of justice.
- HY 340 South America, Africa, and Asia (3 Sem. Hrs.) (Also listed as GO 340)**  
(Can be used to satisfy the Non-Western requirement for a B.A. or minor in history.) This course stresses the major events in the historical development of South America, Africa, and Asia. In addition to ancient empires and culture, considerable attention is given to colonization, independence, historical figures, and current events in each region.
- HY 342 Modern Russia (3 Sem. Hrs.)**  
(Satisfies the European or Non-Western requirement for a B.A. or minor in history as well as elective requirement for the minor and Non-American History for a B.S. in Social Science.) This course examines the history, geography, and current political system in Russia.
- HY 350 Warfare in the Western World (3 Sem. Hrs.)**  
(Satisfies the European requirement for a B.A. or minor in history as well as elective requirement for the minor and Non-American History for a B.S. in Social Science.) This course covers the history of military operations in the West from the 17th century to the present with concentration on selected campaigns in major wars, political and military leadership and the waging of war, and the formulation of war aims and strategy.
- HY 351 Columbus and the Age of Discovery, 1400-1600 (3 Sem. Hrs.)**  
(Satisfies the American, European or Non-Western requirement based on a topic for a B.A. or minor in history as well as elective requirement for the minor and American or Non-American History for a B.S. in Social Science.) This course is a survey of European contacts with and explorations of Africa, the Americas, and Asia during the fifteenth and sixteenth centuries.
- HY 411 Age of the Reformation, 1350 – 1610 (3 Sem. Hrs.) (Also listed as RE 411)**  
(Satisfies the European requirement for a B.A. or minor in history as well as elective requirement for the minor and Non-American History for a B.S. in Social Science.) This course is a survey of the history of church and state in Europe from the Great Schism through the Protestant Reformation to the eve of the Thirty Years War.
- HY 415 Ancient Greece (3 Sem. Hrs.)**  
(Satisfies the European requirement for a B.A. or minor in history as well as elective requirement for the minor and Non-American History for a B.S. in Social Sciences.) This course is a detailed study of the history of ancient Greece from the Bronze Age to the end of the Hellenistic period. The emphasis in the course is on the cultural, political, and social history of the Greeks. Special attention is given to the rise of the city-state, warfare in the Greek world, the development of democracy, the Greek intellectual achievement, and the reading of primary sources.
- HY 420 Fringe History, Pseudoscience, and Popular Culture (3 Sem. Hrs.)**  
(Satisfies the American, European, or Non-Western requirement based on a B.A. or a minor in history as well as elective requirements for the minor and American or Non-American History for the B.S. in Social Science.) This class will survey the phenomenon of fringe knowledge in modern culture. It will show how history and science are misused and twisted so that they appear to support highly speculative and often fantastical theories about the past. Examples from American, European, and World history will be investigated.
- HY 430 Globalization: Concepts and History (3 Sem. Hrs.) (Also listed as SS 430)**  
(Satisfies the American, European, or Non-Western requirement based on a B.A. or a minor in history as well as elective requirements for the minor and American or Non-American History for the B.S. in Social Science.) Globalization is a phenomenon that in the last fifty years has come to be explicitly recognized in the worlds of politics, economics, and culture. It also has ancient roots. This course will investigate the history, historiography, themes, and concepts associated with globalization.
- HY 431 Human Expansion: History of Trade, Travel, Tourism, and Empire (3 Sem. Hrs.)**  
(Satisfies the American, European, or Non-Western requirement based on a B.A. or a minor in history as well as elective requirements for the minor and American or Non-American History for the B.S. in Social Science.) Humans have moved around the earth since prehistoric times. Today they are moving and communicating more than ever before. This course will look at how and why people have moved around the world as individuals and as groups. It will specifically focus on the roles of trade, travel, tourism, and empire in human expansion throughout the earth. The history, historiography, themes, and concepts associated with human expansion will be examined in detail.
- HY 441 Special Topics in History (1 Sem. Hr.)**  
**HY 442 Special Topics in History (2 Sem. Hrs.)**  
**HY 443 Special Topics in History (3 Sem. Hrs.)**  
**Prerequisite: Consent of the instructor**  
These courses will be offered in accordance with student demand or need. (HY 443 satisfies the American, European or Non-Western requirement based on topic for a B.A. or minor in history as well as elective requirement for the minor and American or Non-American History for a B.S. in Social Science.)



- HY 450**      **Materials and Methods of Teaching History and Social Sciences in Middle School/High School (3 Sem. Hrs.) (Also listed as SS 450)**  
**Prerequisite: Admission to the Teacher Education Program**  
 Senior methods portfolio must be submitted during this class. (LiveText required.) This course is intended to enhance the students' abilities to plan, implement, and evaluate instructional activities in teaching history and social sciences and to select and use appropriate materials and equipment. Knowledge of the history and social sciences curriculum and middle and high school student characteristics will be increased. Students will actively participate in demonstrating and modeling strategies and techniques. The role of research will be emphasized. This course does not satisfy requirements for any history major, minor, or general studies.
- HY 451**      **Senior History Seminar (3 Sem. Hrs.)**  
 This capstone course, which must be taken during students' senior year, will provide students with an introduction to the main currents of historical scholarship in the modern era. We will examine various approaches to the past, the ways historical interpretations have changed, and how those changes are related to contemporary concerns. Upon successful completion of this course, students will understand how to formulate a thesis, gather and assess historical evidence, structure a research paper, and orally present the findings of their research. Like all history classes at Athens State University, this one increases students' awareness of our cultural heritage and helps them develop the research abilities for graduate work.
- HY 463**      **Fundamentals of Public History (3 Sem. Hrs.)**  
 This course will focus on the professional nature of public history, the interpretation of history for diverse audiences, and the application of historical methods in the wider world. Combines reading and discussion, interaction with practicing professionals, and a possible experiential learning component.
- HY 464**      **Internship in Public History (3 Sem. Hrs.)**  
**HY 465**      **Internship in Public History (3 Sem. Hrs.)**  
**Prerequisites: All students taking this course must be a History or Social Science major, classified as a senior with an institutional GPA of at least 2.5 and must have permission from the instructor**  
 These internships will provide an opportunity for students to conduct career exploration and build a record of experience in the field of public history, archives, or museology. History or Social Science majors are required to complete **at least** three hours of internship credit toward hours required for graduation. The registration deadline for these internships is at least a month prior to the first week of classes in the Fall and Spring semesters, and two weeks prior to the first week of classes in the Summer.

## Information Assurance Management (IAM)

- IAM 409**      **Management of Information Assurance (3 Sem. Hrs.)**  
**Prerequisite: AC/MG 302, ITE 321, or the equivalent**  
 This course focuses on the managerial aspects of information security and assurance. Topics covered include access control models, information security governance, and information security program assessment and metrics. Coverage on the foundational and technical components of information security is included to reinforce key concepts. The course includes up-to-date information on changes in the field, such as national and international laws and international standards like the ISO 27000 series.
- IAM 410**      **Information Assurance Administration and Operations Management (3 Sem. Hrs.)**  
**Prerequisite: AC/MG 302 or equivalent**  
 This course presents a focus on a managerial view of data and system security. Topics include security policy development, risk management, threat assessment, and business continuity planning. The aim is to examine the implications and challenges of operational security in global organizations. This course provides students with an understanding of the legal, social, and ethical issues related to security management from the management perspective. The course also covers the importance that management and administrators place on information security, as it pertains to overall business risk, social issues such as individual privacy, and the role of public policy.
- IAM 411**      **Information Assurance Strategic Management (3 Sem. Hrs.)**  
**Prerequisite: AC/MG 302 or equivalent**  
 A survey of various means of establishing and maintaining a practical cyber and information security program to protect key organizational assets. The aim is to develop an information security program that is aligned with organizational strategy and to evaluate and recommend information and security technologies to support the information security program. Discussion covers the integration of confidentiality, integrity, and availability into an organization's security program through the use of physical and logical security controls. Topics include data protection, telecommunications systems, applications, and emerging technologies. Threats and vulnerabilities are assessed to determine the level of risk.
- IAM 412**      **Management of Business Contingency and Resilience Planning (3 Sem. Hrs.)**  
 This course prepares students to plan and execute industry best practices related to managing organization-wide business contingency and resilience programs and to prepare an organization for implementing comprehensive business continuity, incident handling, and disaster recovery plans.
- IAM 413**      **Information Assurance Systems and Product Acquisition (3 Sem. Hrs.)**  
 Acquisition strategy can be seen as a high level framework that guides program execution across the entire program life cycle. Acquisition strategies typically look for innovative ways to reduce costs. One such way is to consider the security implications of a particular process or automated resource prior to introducing it into the organization. This course explores the security controls established by the National Institute of Standards and Technology (NIST) and evaluates methods for integrating the controls into the acquisition process.
- IAM 414**      **Information Assurance Governance (CAPSTONE) (3 Sem. Hrs.)**  
 This course gives students a detailed understanding of the broad requirements for effective information security governance, the elements and actions required to develop an information security strategy and a plan of action to implement it.

## Information Systems Management (ISM)

- ISM 400 Information Management (3 Sem. Hrs.)**  
*Prerequisite: AC/MG 302 or equivalent*  
This course provides an introduction to the language, concepts, structures and processes involved in the management of information systems including fundamentals of computer-based technology and the use of business-based software for support of managerial decisions. Emphasis is placed on managing information using databases.
- ISM 401 Systems Design Management (3 Sem. Hrs.)**  
*Prerequisite: AC/MG 302 or equivalent*  
An introduction to the development of computer-based information systems in organizations. The knowledge gained through this course includes: the management of systems development projects; the organizational, political, social, and technical issues in systems development; the methods of development commonly used in organizations; and MIS careers in systems development. Students will learn the value of working in teams on systems analysis and design tasks, to use common modeling methods and technology, and to prepare system requirements and design documents. Emphasis is on management issues of systems analysis and design.
- ISM 402 Information Systems and Analytics (3 Sem. Hrs.)**  
*Prerequisite: AC/MG 302 or equivalent*  
This course covers the programming and design skills needed to build database and spreadsheet-based decision support systems (DSS). Students will create databases to store data and provide an interface for human-computer interaction. Spreadsheet models will be developed to solve a number of common management science problems.
- ISM 403 Data Communications Management (3 Sem. Hrs.)**  
*Prerequisite: AC/MG 302 or equivalent*  
This course provides the student with an understanding of the concepts and methods associated with telecommunications and distributed information systems. Students learn the fundamentals of data communications, including network architectures, communication protocols, transmission standards and media access control methods.
- ISM 404 Managing Information Resources (3 Sem. Hrs.)**  
*Prerequisite: AC/MG 302 or equivalent*  
This course offers a survey of managerial and technical issues facing IS professionals. Class discussions focus on understanding how different organizations respond to the challenges of distributed processing, business process reengineering, managing the data utility, maintaining legacy systems, and other current trends. Analytical and communication skills are emphasized along with management issues.
- ISM 405 Interface Design Management (3 Sem. Hrs.) (Also listed as AR 405) (Lab fee)**  
*Prerequisite: AC/MG 302 or equivalent*  
This course introduces students to theories of human-computer interaction as well as the principles and practices of user interface design, evaluation, and integration. Topics covered include command, menu, and web-based interfaces. Using a visual design tool, students develop an actual user interface. Emphasis placed on management aspects of GUI and website design.
- ISM 408 E-Commerce Systems Management (3 Sem. Hrs.)**  
*Prerequisite: AC/MG 302 or equivalent*  
This course examines electronic methods of delivering products, services, and exchanges in inter-organizational, national, and global environments. Information technology strategy and technological solutions for enabling effective business processes are considered.
- ISM 441 Special Topics in Information Systems Management (3 Sem. Hrs.)**  
*Prerequisite: AC/MG 302 or equivalent*  
This course explores current, advanced topics in Information Systems that are not covered in other courses. To be offered on occasion of student demand or need.

## Information Technology (ITE)

- ITE 301 Problem Solving With Computers (3 Sem. Hrs.)**  
**ITE 301 may only be used by Computer Science or Information Technology majors to fulfill the required Area V Microcomputer Applications course.** *Designed for non-computer science, non-Information Technology majors.* This course is designed to strengthen student's grounding in common computer terminology and applications. Students with minimal skills will learn to enhance their personal productivity and problem solving skills by applying information technologies to problem situations and by designing and using small information systems for individuals and groups. The course will be conducted through lecture, in-class computing laboratories, and out-of-class assigned problems and projects.
- ITE 315 Scripting Languages and System Administration (3 Sem. Hrs.)**  
This course is an in-depth study of the design of scripting languages and their applications. Scripting languages can be used to manipulate text and data using subtle and complex coding to automate many tasks. Students will learn to write simple scripts to automate system administration tasks using appropriate languages. This course explores the nature of scripting, the role of scripting languages, explores some of the popular scripting languages and their applications, and provides skills in scripting language design.
- ITE 321 Systems Analysis and Design (3 Sem. Hrs.)**  
This course will provide an in-depth study of the Systems Development Life Cycle (SDLC) to include study system analysis fundamentals, information requirements analysis, the analysis process, the essentials of design, software engineering and implementation. A total quality management emphasis is stressed and computer-assisted systems engineering (CASE) tools are

introduced. A project is required to show understanding of topics presented.

**ITE 325 The Digital Enterprise (3 Sem. Hrs.)**

**Prerequisites:** CIS 146, ITE 301 or equivalent Microsoft Windows applications course

This course examines e-business strategy, solution architecture, and their components. These components create the link between organizational strategy and networked information systems, and support the implementation of a rich variety of business models in both national and global contexts. Technology applications that support organizational, managerial and decision support, as well as those that support business changes necessitated by evolution in the digital economy are covered. Other topics include: legal and ethical issues, information privacy, and supply chain management.

**ITE 365 Visual Application Development (3 Sem. Hrs.) (Lab fee)**

**Prerequisite:** CS 318

This course introduces students to programming in visual, event-driven environments. Students learn concepts of visual programming and underlying design principals used in developing applications in visual programming environments. An emphasis will be placed on design of user interfaces, on-line documentation, input, and output components including menus, forms, queries, and reports.

**ITE 382 Mobile Device Software Development (3 Sem. Hrs.)**

**Prerequisite:** CS 372

This course is an introduction to mobile device programming for the iOS and Android mobile device platforms. Students will learn Swift, Objective-C, and Java programming languages for development on the two platforms, and the design patterns used to develop applications for the iPhone, iPad and Android device. We will discuss the core objects that make up iOS and Android Software Development Kits (SDKs) and consider the commonly used programming interfaces for building applications for mobile devices.

**ITE 420 Fundamentals of Information Security (3 Sem. Hrs.)**

**Prerequisite:** ITE 321 or ITE 325 or ISM 400, or consent of instructor

The focus of this course is managing security and building systems to remain dependable in the face of malice, error, or mischance. This course will focus on the tools, processes, and methods needed to design, implement, and test complete systems, and to adapt existing systems as their environment evolves. Students will use real-world case studies to gain practical experience in solving complex problems, like the ones encountered in industry. The course will focus on applying the methodology of security engineering to develop reliable, cost-effective, and easily maintainable systems. Students will also develop an understanding of how the business of security engineering can best be managed.

**ITE 421 Digital Forensics (3 Sem. Hrs.) (Lab fee)**

**Prerequisite:** ITE 321 or ITE 325, or consent of instructor

This course covers the fundamentals of digital forensics, that is, the recovery and investigation of material found in digital devices, often in relation to computer crime. The focus of the course is on the technical aspects of a forensics investigation with an emphasis on: (1) legal considerations of the digital domain, (2) technical implications of the rules of evidence, (3) tools and techniques for computer and network forensics, (4) forensic data analysis, and (4) mobile device forensics. Students will gain hands-on lab experience in each of these areas of emphasis.

**ITE 440 Database Systems (3 Sem. Hrs.) (Lab fee)**

**Prerequisite:** CS 317

In this course, students are introduced to the design, implementation, and management of systems in a database environment. Emphasis will be placed on data models, normalization, and a relational query language. Other topics include: comparison of relational and object oriented models, data warehousing, and data mining.

**ITE 441 Systems Integration and Architecture (3 Sem. Hrs.)**

**Prerequisite:** ITE 321

This course exposes students to the Information Technology (IT) hardware and systems software concepts. Topics include: computer hardware, operating systems, system software, hardware and software integration, operating procedures, system performance, security/safety, and compatibility. Student labs and hands-on activities will include: Windows, Unix, and Linux systems, system utilities and software tools.

**ITE 450 Human-Computer Interaction (3 Sem. Hrs.)**

This course covers interaction between modern computer interfaces and system users. Students examine user diversity and its impact on design of user interfaces. Techniques for task analysis, interface prototyping, and methods for using usability tests to evaluate effectiveness of human-computer dialogs are also covered. Emphasis is placed on the integration of human-computer interaction principles into software engineering life cycle. Theories, principles, and guidelines for interface development and testing are learned through design and development of prototypes for various types of user interfaces.

**ITE 451 Software Engineering (3 Sem. Hrs.) (Lab fee) (Also listed as CS 451)**

**Prerequisites:** CS 372 with grade of C or better, MA 308, senior standing and consent of instructor

The course will familiarize the student with the entire software life cycle, spanning from the time of conception of the actual requirements, through the analysis, design, and development of the software. The course will study various methodologies of software engineering; i.e., the analysis and comparison of methods which use sound engineering principles to develop software that is reliable, cost-effective, and easily maintainable. The course will emphasize the concept of a software development team where students work on real-world software development projects to solve software problems for users.

**ITE 452 Senior Software Engineering Project (3 Sem. Hrs.) (Also listed as CS 452)**

**Corequisite:** ITE 452L; **Prerequisite:** ITE 451

This course provides students with the opportunity to apply the knowledge and skills mastered in the computer science discipline through development of complex software projects. Emphasis is placed on the concept of software development teams to create project plans, software requirements, design specifications, test plans, and other written documentation for the selected software

project. Student software teams also code, test, and integrate the software according to the requirements and design specifications produced. Technical walk through and software demonstrations are required at the completion of various milestones.

ITE 452L **Senior Software Engineering Project Lab (1 Sem. Hr.) (Also listed as CS 452L) Corequisite: ITE 452**

## Logistics and Supply Chain Management (LSM)

- LSM 300 Enterprise Systems and Business Processes (3 Sem. Hrs.) (Lab fee) (Also listed as ESM 300)**  
**Prerequisite: AC/MG 302**  
Students will learn how enterprise software is used to manage the integration of business operations. Through a process-oriented view of the organization and its relationships with suppliers, customers, and employees, students study software that automates business processes and workflow. Procurement, production and sales logistics processes and their integration with Accounting and Human Resources are investigated. Students will experience ERP through hands-on lab exercises, and improve soft skills such as writing, presenting, and team building through ERP project documentation and presentations.
- LSM 301 Introduction to Logistics and Supply Chain Management (3 Sem. Hrs.)**  
**Knowledge of Excel and Access is required.** This course provides the student with an overview of logistics and supply chain management concepts from the acquisition process to provision of the end product or service to the consumer. These concepts include forecasting and integrating models of procurement, transportation, warehousing, materials handling and storage, global logistics, and information systems and strategy throughout the supply chain.
- LSM 320 Logistics and Distribution (3 Sem. Hrs.)**  
**Prerequisite: LSM 301**  
This course provides an introduction to concepts and technology that is associated with the planning and management of logistics activities. Areas that will be discussed will include inventory management, warehousing, transportation, customer service, and the technology and information systems that are necessary for appropriate decision-making.
- LSM 330 Logistics and Supply Chain Management in the Global Environment (3 Sem. Hrs.)**  
**Prerequisite: LSM 301**  
This course examines issues in managing supply chains in both the current economy and the global environment by analyzing the logistics strategies and processes necessary to ensure students understand the design and operation of global supply chain networks. In addition, the course analyzes the principles of logistics activities in the global environment with special emphasis on transportation, global sourcing, customs issues, import-export opportunities, customs documentation, the role of government in international transactions, and similar issues.
- LSM 353 Project Management (3 Sem. Hrs.) (Also listed as ACM 353 and MG 353)**  
An examination of the use of critical path method (CPM) and Program Evaluation Review Technique (PERT) on project planning and control.
- LSM 401 Logistics and Supply Chain Integration Techniques (3 Sem. Hrs.)**  
**Prerequisite: LSM 301**  
This course investigates the role of information management and decision support methods in the planning and management of supply chains and related processes. Specific areas include techniques and methods used in operations management; process analysis, network analysis, and the application of simulation and other technology systems.
- LSM 410 Logistics and Supply Chain Strategy (3 Sem. Hrs.)**  
**Prerequisites: LSM 301, 320, 330, and 401 or concurrent enrollment**  
This course requires students to integrate concepts learned in an analysis of a logistical problem or issue and present a recommendation to solve the issue. This course is considered the capstone experience. Students will demonstrate proficient oral and written communication skills, decision-making abilities, problem solving skill, leadership and team skills, and a knowledge of current logistics and supply chain management issues.
- LSM 461 Internship in Logistics (1 Sem. Hr.) (At least 50 hours of work-based experience is required)**  
**LSM 462 Internship in Logistics (2 Sem. Hrs.) (At least 100 hours of work-based experience is required)**  
**LSM 463 Internship in Logistics (3 Sem. Hrs.) (At least 150 hours of work-based experience is required)**  
**Prerequisites: MG 320 or GBA 300; compliance with College of Business Internship Policies and Procedures.**  
This internship in the field of Logistics and Supply Chain Management is designed to provide the student with practical work experience leading to a potential career-field in business.

## Mathematics (MA)

- MA 301 Precalculus Algebra (3 Sem. Hrs.) (Lab fee)**  
**Prerequisite: Intermediate College Algebra or College Algebra or equivalent with a grade of C or higher**  
This course is designed for students preparing to take the calculus sequence. Topics covered include a review of the real number system and operations with algebraic expressions, solving equations and inequalities, functions and graphs, rational and polynomial functions, and applications to a wide variety of fields such as biology and business.
- MA 302 Precalculus Trigonometry (3 Sem. Hrs.) (Lab fee)**  
**Prerequisite: MA 301 or equivalent with a grade of C or higher**  
This course is designed for students preparing to take the calculus sequence. Topics covered include trigonometric and inverse trigonometric functions, exponential and logarithmic functions, transcendental equations, complex numbers, DeMoivre's Theorem, polar coordinates, and applications to a wide variety of fields.

- MA 303**     **Calculus I (4 Sem. Hrs.) (Lab fee)**  
**Prerequisites:** MA 301 and MA 302 or equivalents with a grade of C or higher  
 Topics include a review of functions, limits, differentiation, applications of differentiation, and an introduction to integration.
- MA 304**     **Calculus II (4 Sem. Hrs.) (Lab fee)**  
**Prerequisite:** MA 303 or equivalent with a grade of C or higher  
 This course is the second course of the three-semester sequence. Topics include applications of integration, techniques of integration, sequences, series, polar coordinates and parametric equations.
- MA 305**     **Calculus III (4 Sem. Hrs.) (Lab fee)**  
**Prerequisite:** MA 304 or equivalent with a grade of C or higher  
 This course is the final course of the three-semester sequence. Topics include vectors, vector calculus, partial derivatives, gradients, multiple integrals and line integrals.
- MA 308**     **Discrete Mathematics (3 Sem. Hrs.) (Lab fee)**  
**Prerequisites:** MA 301 or MA 302 or equivalents with a grade of C or higher  
 Topics include elementary propositional logic, sets, relations, functions, number systems and elementary number theory concepts, counting methods, mathematical induction, graphs and trees, and proof techniques applied to these mathematical content areas.
- MA 309**     **Business Calculus (3 Sem. Hrs.)**  
**Prerequisite:** MA 301 or equivalent with a grade of C or higher  
 (Cannot be used to satisfy requirement for upper-level mathematics elective for mathematics majors or for anyone having completed the Calculus sequence.) This course begins with a review of algebraic, exponential and logarithmic functions. Major topics include limits, derivatives and applications of differential calculus to business and industry from an algebraic perspective.
- MA 310**     **Matrices and Linear Algebra (3 Sem. Hrs.)**  
**Prerequisite:** MA 301 or equivalent with a grade of C or higher  
 Topics include elementary theoretical, mechanical and applied approaches to linear systems of equations, matrices, determinants, eigenvalues and eigenvectors, vector spaces, bases and linear transformations.
- MA 311**     **Advanced Mathematics for Teachers (3 Sem. Hrs.) (Lab fee)**  
**Prerequisite:** At least one college-level mathematics course  
 (Cannot be used to satisfy requirement for upper-level mathematics elective for mathematics majors or other scientific majors.) This course helps students to develop greater mathematical skills and insight. It also introduces students to topics in numeration systems, elementary number theory, problem solving, introduction to probability theory, statistics, and geometry.
- MA 314**     **College Geometry (3 Sem. Hrs.)**  
**Prerequisite:** MA 308 or equivalent with a grade of C or higher  
 Topics include axiomatic development of plane and solid Euclidean geometry including functions, distance and measure, congruence, plane separation, parallelism, proportionality and similarity, polygons, circles, area, volume and constructions. Also included is a brief introduction to non-Euclidean geometries.
- MA 316**     **Vector Analysis (3 Sem. Hrs.)**  
**Prerequisite:** MA 305  
 Topics include vector algebra, vector operations, vector functions, scalar and vector fields, divergence, curl, Laplacian, line and surface integrals, orthogonal curvilinear coordinates, divergence theorem, Stoke's and Green's theorems.
- MA 320**     **Introduction to Abstract Algebra (3 Sem. Hrs.)**  
**Prerequisite:** MA 308 or equivalent with a grade of C or higher  
 This course begins with a review of sets, relations and functions. An axiomatic approach is applied to topics of elementary number theory, groups, subgroups and cosets, homomorphisms and their properties, and an introduction to rings.
- MA 321**     **Differential Equations (3 Sem. Hrs.) (Lab fee)**  
**Prerequisite:** MA 305 or equivalent  
 Topics include theory and techniques of solution for ordinary differential equations with applied examples from different scientific disciplines. Also included is an introduction to Laplace transforms.
- MA 330**     **Advanced Mathematical Software (3 Sem. Hrs.)**  
**Prerequisite:** Concurrent enrollment or satisfactory completion of MA 304  
 (Cannot be used to satisfy requirement for upper-level mathematics elective.) This class teaches the use of mathematical software used in industry and in secondary mathematics education. Emphasis is placed both on solving problems from the calculus and appropriately presenting the results. Techniques will be taught which will ultimately increase productivity in the workplace and provide insight for research.
- MA 331**     **Applied Probability and Statistics (3 Sem. Hrs.)**  
**Prerequisite:** MA 301 or MA 308 or equivalents with a grade of C or higher  
 This is a non-calculus based introduction to basic probability used for statistical inference, including discrete and continuous distributions; proper simple data collection methods; calculating and the use of descriptive statistics; basic statistical inference including confidence intervals, hypothesis testing, one-way ANOVA (analysis of variance), and Pearson's Chi-Squared tests for contingency tables and categorical data.

- MA 401 Complex Variables (3 Sem. Hrs.)**  
*Prerequisite: MA 305 or its equivalent with a grade of C or higher; MA 308 preferred with a grade C or higher*  
 Topics include the algebra of complex numbers, analytic functions and integrals, Liouville's Theorem, Cauchy-Riemann equations, sequences and series, and integration by methods of residues.
- MA 423 Numerical Analysis (3 Sem. Hrs.) (Lab fee)**  
*Prerequisites: MA 305 and MA 310 or their equivalents*  
**(Technology or programming required.)** Topics include an introduction to numerical methods for interpolation, evaluating roots of polynomials, systems of equations, integration, differentiation, differential equations, and approximation and error analyses.
- MA 431 Introduction to Mathematical Statistics (3 Sem. Hrs.)**  
*Prerequisite: MA 304 or equivalent with a grade of C or higher*  
 This course is a calculus based introduction to probability and statistics. Topics include discrete and continuous probability distributions, expected values of random variables, moment generating functions, and other advanced statistical and probability concepts including the Central Limit Theorem, ANOVA, Chi-Squared tests, bivariate analysis, regression, other theories of testing and inference, and appropriate applications.
- MA 445 Mathematical Modeling and Simulation (3 Sem. Hrs.)**  
*Prerequisite: MA 305 or equivalent*  
 This course covers techniques in vector rotation of three-space coordinates, Perron's eigenvalue theorem, date fitting by the normalization processes for multivariable function approximation, Bezier representation of polynomials for "real-time", computer graphic application, and other topics.
- MA 452 Introductory Real Analysis (3 Sem. Hrs.)**  
*Prerequisite: MA 320 or equivalent with a grade of C or higher OR MA 308 and MA 305 with a grade of C or higher*  
 This course begins with a review of logic, sets and basic proof structures. Major topics include functions, countability, the topology of the real number system, theoretical treatment of sequences, series, limits, continuity and single variable differentiation. Additional theoretical treatment of single variable integration may also be included.
- MA 454 Materials and Methods of Teaching Mathematics in Middle School/High School (3 Sem. Hrs.)**  
*Prerequisites: MA 314 College Geometry with a grade of C or higher and Admission to the Teacher Education Program*  
 (LiveText required.) This course does not satisfy requirements for mathematics major, minor, or general studies. Senior methods portfolio must be submitted during this class. This course presents fundamental principles and techniques for the teaching and learning of secondary mathematics and is designed to prepare prospective secondary mathematics teachers to identify, cultivate, and display essential knowledge, skills, and attitudes necessary for the successful planning, teaching, and evaluating of middle and high school mathematics. The course also includes a study of selected topics in mathematics. Opportunities will be provided for the student to demonstrate techniques and methods of teaching various components of the secondary mathematics curriculum.
- MA 461 Directed Study/Research in Mathematics (1 Sem. Hr.)**  
**MA 462 Directed Study/Research in Mathematics (2 Sem. Hrs.)**  
**MA 463 Directed Study/Research in Mathematics (3 Sem. Hrs.)**  
*Prerequisite: Consent of instructor.*  
 These courses are offered on occasion of student demand or need.
- MA 470 Senior Mathematics Seminar (3 Sem. Hrs.)**  
*Prerequisites: MA 330 and 308 or equivalent with a grade of C or higher*  
 This course considers topics in mathematics to include graph theory as well as providing a focus on mathematical research and problem solving. Students will be expected to know critical content and demonstrate their knowledge through critical thinking in their research, problem solving, assignments, writing, and oral presentation. The Mathematics Department Exit Exam is administered in this course.
- MA 480 Special Topics in Mathematics (3 Sem. Hrs.)**  
*Prerequisites: MA 304 and MA 308 or equivalents with grades of C or higher*  
 This course is to be offered on occasion of student demand or need.

## Management (MG)

- MG 302 Management Information Systems (3 Sem. Hrs.) (Also listed as AC 302)**  
*Prerequisite: Windows applications course (CIS 146)*  
 (LiveText required.) An examination of the role of information systems in organizations and how they relate to the objectives and structure of an organization. Emphasis is given to providing a broad overview of the information system management function.
- MG 303 Management Decision Support Systems (3 Sem. Hrs.) (Also listed as AC 303)**  
*Prerequisite: Windows applications course (CIS 146)*  
 An analysis of the nature of the decision making process and an examination of support systems. Instruction will emphasize an advanced application of spreadsheet and database management software.
- MG 320 Organizational Communication (3 Sem. Hrs.)**  
 (LiveText required.) The purpose of this course is to enhance the student's ability to communicate effectively and efficiently in the workplace. Assignments, exercises, and projects emphasize locating and evaluating relevant information, and communicating through writing, listening, reading, and speaking. Research, group collaboration, and intercultural communication skills are stressed in assignments and demonstrated in projects.

- MG 346 Principles of Management and Leadership (3 Sem. Hrs.)**  
(LiveText required.) An introductory course that explores both the underlying theory and the practical application of management practices and organizational development. In addition to the basic management functions, the course deals with ethical questions, international competition, leadership, and other issues stemming from management's relationship with its increasingly complex legal, social, and competitive environment.
- MG 349 Human Resources Management (3 Sem. Hrs.) (Also listed as PSHA 349)**  
A study of the technical functions of HRM. Emphasis is on their application to programs that foster employee commitment to objectives in a competitive, global economy. Course will explore challenges facing the HRM professional, as well as specific focus on the role of managers in the administration of HR activities. The challenges include technical functions such as recruitment and selection, training and development, design, administration of compensation and benefits plans, collective bargaining, and initiatives like quality-of-work life programs. The ways in which HRM works toward organizational goals in a time of rapid change will also be examined.
- MG 350 Financial Management (3 Sem. Hrs.)**  
*Prerequisites: Principles of Accounting, Principles of Economics, and Algebra*  
(LiveText required.) A study of the art of money capital management on the level of the firm in an enterprise economy. Topics covered include analysis of financial statements, investment decision making, and calculation of the firm's cost of capital.
- MG 351 Labor/Management Relations (3 Sem. Hrs.)**  
An examination of managerial issues affecting development of industrial and labor relations policy. Topics examined include impact of public policy, negotiation, administration of collective bargaining agreements, the NLRB, and arbitration cases.
- MG 352 International Business (3 Sem. Hrs.)**  
(LiveText required.) An analysis of the cultural, economic, ethical, legal, and social environment of the global market.
- MG 353 Project Management (3 Sem. Hrs.) (Also listed as ACM 353 and LSM 353)**  
An examination of the use of critical path method (CPM) and Program Evaluation Review Technique (PERT) on project planning and control.
- MG 357 Project Detailed Scheduling and Planning (3 Sem. Hrs.)**  
An in-depth study of project planning and scheduling which includes the introduction and use of state-of-the-art (sota) application software such as Microsoft Project. A case study approach is employed.
- MG 358 Project Initiation and Scope Management (3 Sem. Hrs.)**  
A study of techniques used in formulation of a project charter, scope, and statement of work. Explores the challenges and pitfalls of scope management, communication within the project, and project closeout procedures.
- MG 370 Performance Management in Organizations (3 Sem. Hrs.)**  
*Prerequisite: MG 349 or equivalent*  
This course will address the entire range of topics associated with managing the human asset to realize and sustain optimal levels of performance. Topics will include appraisal systems, change management models, adult learning theories, individual versus team performance, organizational development, and managing a diverse workforce. Various aspects of the corporate training and development function, training program design and development of various methods and media for training delivery, as well as return on investment outcomes, will be explored. In addition, this course will also examine the development of systems that will provide highest levels of both personal and professional development and growth within the organization; creation of promotional and cross-functional systems that will talent strength the organization; development of retention strategies that tie rewards to performance talent; creation of workforce planning systems that will provide succession planning of best talent within the organization; and utilization of technological systems to support these functions within human resources planning will be presented.
- MG 375 Organizational Behavior and Teambuilding (3 Sem. Hrs.)**  
This course is designed to enhance class members' understanding of the causes and consequences of the behavior of people within the context of organizations, with emphasis on teamwork. To accomplish the learning goals for the course, varying instructional methodologies will be employed including lecture and assigned readings from the text, journal articles, and the web. A significant amount of class time will be spent in experiential exercises.
- MG 390 Operations Management (3 Sem. Hrs.)**  
*Prerequisite: MG 346*  
(LiveText required.) Operations Management examines manufacturing and services industries and the multitude of activities needed to produce or process goods and services in the private and public sectors. It also examines the problems of facilities layout, plant location, statistical quality control, process control, and various models utilized in these areas.
- MG 391 Fundamentals of Operations (3 Sem. Hrs.)**  
Fundamentals of Operations establishes a solid entry-level base of industrial knowledge upon which to build towards future growth in manufacturing and industrial supervision. This course introduces students to essential vocabulary and skills identifying and applying the basic principles of inventory control, planning, manufacturing control, and operational management. Included in this course are the principles of effective planning, details of priority and capacity management through the use of material requirements planning, and a survey of the relationship between goods and services and the operation of the system.
- MG 393 Basics of Supply Chain (3 Sem. Hrs.)**  
*Prerequisite: MG 391*  
The course explores the basic concepts of the industrial flow of materials in a supply chain. Included is a complete overview of material flow, from internal and external suppliers to and from the organization. Topics of discussion include elements of the supply

chain, Just-in-Time (JIT), total quality management (TQM), manufacturing resources planning (MRP II), demand planning, and capacity management. Specific case studies are utilized.

**MG 395 Master Planning of Resources (3 Sem. Hrs.)**

**Prerequisite: MG 393**

Master Planning of Resources concentrates on the processes used to develop sales and operations plans and teaches the student to identify and assess internal and external demand and forecasting requirements. The course focuses on the importance of producing achievable master schedules that are consistent with organizational business policies, objectives, and resource constraints. Course topics include demand management, sales and operations planning, master scheduling and measuring the business plan.

**MG 397 Program and Project Risk Management (3 Sem. Hrs.)**

This course focuses on a systems approach to project risk management from initiation to project planning, implementation, control, and closeout. Topics of discussion include various techniques for qualitative and quantitative risk assessment, including Monte Carlo simulation in areas such as cost, schedule, and performance.

**MG 400 Detailed Scheduling and Planning (3 Sem. Hrs.)**

**Prerequisite: MG 395**

Detailed Scheduling and Planning focuses on the various techniques for material and capacity scheduling. The course includes detailed descriptions of material requirements planning (MRP), capacity requirements planning (CRP), inventory management practices, and procurement and supplier planning. Topics include recognizing techniques and practices of inventory control; mechanics of the detailed material planning process; planning operations to support the priority plan; and planning procurement and external sources of supply.

**MG 405 Project Cost Control and Earned Value Management (3 Sem. Hrs.)**

This course provides an introduction to the government's Earned Value Management (EVM) reporting techniques, as well as a review of contemporary methodology for project cost determination, estimating, and control.

**MG 407 Execution and Control of Operations (3 Sem. Hrs.)**

**Prerequisite: MG 395**

Execution and Control of Operations focuses on the areas of prioritizing and sequencing work, executing work plans and implementing controls, reporting activity results, and providing feedback on performance. The course explains techniques for scheduling and controlling production processes, the execution of quality initiatives and continuous improvement plans, and the control and handling of inventories. Course topics include prioritizing and sequencing work, executing plans and implementing controls, authorizing and reporting activities for push and pull systems, and evaluating performance and providing feedback.

**MG 409 Strategic Resource Planning (3 Sem. Hrs.)**

**Prerequisite: MG 395**

This course explores the relationship of existing and emerging processes and technologies to manufacturing strategy and supply chain-related functions. The course addresses aligning resources with the strategic plan; configuring and integrating operating processes to support the strategic plan, and implementing change; competitive market issues; choices affecting facilities, supply chain, information technology, and organizational design; configuring and integrating internal processes; and evaluating and managing projects.

**MG 410 Employment Law for Business (3 Sem. Hrs.)**

**Prerequisite: Legal Environment (BUS 263)**

This course provides an applied study of significant legal issues in labor and employment law including labor-management relations, wage and hour laws, safety and health laws, retirement, welfare and privacy laws that prepare future managers, supervisors, and business owners for responsibilities in management-employee relations.

**MG 411 Compensation and Benefits (3 Sem. Hrs.)**

This course focuses on a study of the technical functions of compensation and benefits within Human Resource Management. Emphasis is on their application to programs that foster employee commitment to objectives in a competitive, global economy. Therefore, this course will explore the challenges facing the human resource management professional. These challenges will include technical functions such as pay models, internal alignment, external competitiveness, employee contributions, and employee benefits.

**MG 412 Cultural Diversity and Communication Issues in International Business (3 Sem. Hrs.)**

**Prerequisite: None; recommended that MG 352 and EC 320 be completed before taking MG 412**

This is the capstone course for the international business minor. It focuses on two broad areas: case studies in political, legal, economic, and cultural areas and the in-depth study of multicultural diversity. Areas to be covered include religion, family, time, gender, race, ethnicity, aesthetics, power distance, individual vs. collective, masculine vs. feminine and uncertainty avoidance.

**MG 413 Project Communication, Management and Leadership (3 Sem. Hrs.)**

Addresses the communication planning necessary for success within the project environment. Includes virtual, informal, and formal communication systems review. Discusses establishment of critical communications within and external to the project team.

**MG 415 Technical Risk Management (3 Sem. Hrs.)**

**Prerequisite: Statistics (BUS 271)**

This course examines the use of the scientific method and statistical analysis to minimize the risk exposure in management decision making, particularly when bringing high-technology products to the market place within allotted time and financial specifications.

**MG 416 Entrepreneurship (3 Sem. Hrs.)**

**Prerequisites: Accounting I, CIS 146, MG 346, and MK 331**

In this course, students bring their knowledge of management, marketing, accounting, and microcomputer applications to bear on the problems of planning and operating a small business. Student teams research, prepare, and present complete business plans including



*pro forma* financial statements for startup ventures. Market research, site selection, pricing, promotion, and financial analysis for the small firm are among the topics stressed.

- MG 417 Management of Change (3 Sem. Hrs.)**  
This course examines the various approaches to organizational change, the resistance and driving forces for change, and the implementation and control of change in organizations.
- MG 418 Management of Technology (3 Sem. Hrs.)**  
This course is a case study approach to the integration of technical knowledge with management science.
- MG 419 Technology Transfer and Commercialization (3 Sem. Hrs.)**  
Technology Transfer and Commercialization offers an overview of how government-sponsored technology and expertise can be transferred into commercial and private sectors to maintain business competitiveness. Specific case studies are employed to illustrate the effectiveness and importance of technology transfer to global commerce.
- MG 420 Business Policy (3 Sem. Hrs.)**  
**Prerequisites: Senior standing, MG 346, MG 350, and MK 331**  
(LiveText required.) **Student should schedule this course during one of the last two semesters of their degree program. NOTE: Students must earn a minimum grade of "C" in this course in order to graduate with a major in accounting, management, human resources management, or the management of technology.** This course requires a business simulation (software purchase required). A capstone course which examines the interrelations of the various business functions from the viewpoint of middle management's decision process. There is heavy emphasis on both oral and written case study analysis.
- MG 430 Project Management Practicum (3 Sem. Hrs.)**  
Applies the knowledge of project management in an integrative fashion within a project team environment. Course requires a written project plan and research paper or a challenging team project based upon liaison with business and industry.
- MG 441 Special Topics in Management (3 Sem. Hrs.)**  
To be offered on occasion of student demand or need.
- MG 449 Advanced Human Resource Management (3 Sem. Hrs.)**  
**Prerequisite: MG 349**  
This course will examine the functions of Human Resource Management by investigating both the theoretical advance of HRM, and the practical application of these functions as they apply to the manager's responsibility in the global marketplace. Emphasis will be placed on HRM professional roles and responsibilities as a strategic business partner.
- MG 460 Directed Study/Research in Management (3 Sem. Hrs.)**  
This course is designed to allow students an opportunity to perform research/directed studies in management. It is offered at the discretion of the professor with approval of the College Dean.
- MG 461 Internship in Management (1 Sem. Hr.) (At least 50 hours of work-based experience is required)**  
**MG 462 Internship in Management (2 Sem. Hrs.) (At least 100 hours of work-based experience is required)**  
**MG 463 Internship in Management (3 Sem. Hrs.) (At least 150 hours of work-based experience is required)**  
**Prerequisites: MG 320 or GBA 300; compliance with College of Business Internship Policies and Procedures**  
These internships in the field of management are designed to provide the student with practical work experience leading to a potential career-field in business.
- MG 470 Introduction to Aviation Management (3 Sem. Hrs.)**  
**Prerequisite: Department approval**  
This course provides an orientation to aviation management and its career opportunities. Topics include the history of significant events and accomplishments in the evolution of aviation and the related attempts to move through air and space.
- MG 471 Aviation Law (3 Sem. Hrs.)**  
**Prerequisites: GBA 311 and MG 470 or equivalent**  
This course covers the legal structure of aviation including federal, local, and state statutes, contracts, insurance and liability, regulatory statutes and specific case law.
- MG 472 Aviation Safety and Security Management (3 Sem. Hrs.)**  
**Prerequisite: MG 470 or equivalent**  
This course focuses on problems and issues of aviation safety and security including aircraft accidents, their cause, effect and the development of safety and security programs and procedures.
- MG 473 Management of Air Traffic Control Fundamentals (3 Sem. Hrs.) (Special fee)**  
**Prerequisite: MG 470 or equivalent**  
This course offers air traffic control procedures, facilities, center, and operations. Other topics covered are theory of radar operation and air traffic separation using computer-based ATC radar simulators.
- MG 474 General Aviation Management (3 Sem. Hrs.)**  
**Prerequisites: MG 346 and MG 471**  
This course provides an overview of general aviation and its impact and interaction with the total aviation industry and includes a study of the various users, the suppliers and service organizations, the aircraft and facilities, maintenance management, and regulatory framework.

- MG 475 Aviation Weather Management (3 Sem. Hrs.)**  
**Prerequisite: MG 470 or equivalent**  
 This course focuses on weather as it applies to the operation of aircraft with emphasis on observation of weather elements and interpretation of flight planning weather information; DUATS, WSI services.
- MG 476 Federal Aviation Regulations Management (3 Sem. Hrs.)**  
**Prerequisite: MG 471**  
 This course is a study and review of Federal Aviation Regulations CFR 14 Parts 43, 91, 121, and 135 as they pertain to management of airports, charter services, certificated air carriers, and general operating and flight rules.
- MG 479 Aviation Maintenance Management (3 Sem. Hrs.)**  
**Prerequisites: MG 470 and MG 474 or equivalent**  
 This course provides a study of the basic functions, operations, and importance of aviation maintenance in a comprehensive management context. Covers maintenance fundamentals, technical support, maintenance and material supports, oversight functions, human factors in maintenance, and the art of trouble shooting. Students will have a liaison with an aviation maintenance facility to observe management operations.
- MG 480 Seminar in Business (2 Sem. Hrs.)**  
**Prerequisite: Senior standing (this course should be taken concurrently with MG 420 Business Policy in student's last term)**  
 (LiveText required.) **NOTE: Students must earn a minimum grade of "C" in this course in order to graduate with a major in accounting, management, human resources management, or the management of technology.** This course is a key component in the assessment of business school programs and of student achievement in the areas of communication and professionalism. It will provide the "post" assessment writing sample for comparison with a "pre" assessment writing sample done in a course taken in the student's first term (MG 320 Organizational Communication). It will provide an opportunity for students to demonstrate proficiency in oral and written communication, to better prepare for graduate school and the job search process, and to achieve an acceptable score on the Assessment Exam.

## Marketing (MK)

- MK 331 Marketing Principles (3 Sem. Hrs.)**  
**Prerequisite: Principles of Economics**  
 (LiveText required.) This course is a study of the forces operating, institutions employed, and methods followed in the flow of goods and services from production to consumption.
- MK 333 Advertising (3 Sem. Hrs.)**  
**Prerequisite: Marketing Principles**  
 This course is a study of the principles of advertising, types of advertising media, and analyzing problems of advertising encountered in business.
- MK 336 Consumer Behavior (3 Sem. Hrs.)**  
**Prerequisite: Marketing Principles**  
 This course is a study of the buying habits and motives involved in the purchase of economic goods and services. Emphasis is on the decision processes that precede and determine consumer behavior.
- MK 431 Marketing Research (3 Sem. Hrs.)**  
**Prerequisites: Marketing Principles, Statistics (BUS 271)**  
 This course is a study of research methods and procedures as they apply to marketing operations. This course includes the information sources available to marketing researchers and the design and analysis of research projects concerned with obtaining primary information.
- MK 432 Retailing (3 Sem. Hrs.)**  
**Prerequisite: Marketing Principles**  
 The course covers principles and methods of store location and layout, promotion, buying, pricing, personnel management, credit, and stock control.
- MK 433 Marketing Strategies and Policies (3 Sem. Hrs.)**  
**Prerequisite: Marketing Principles**  
 The course examines various policies and problems requiring decisions by marketing managers. Particular emphasis will be given to advertising and promotional strategies.
- MK 461 Internship in Marketing (1 Sem. Hr.) (At least 50 hours of work-based experience is required)**  
**MK 462 Internship in Marketing (2 Sem. Hrs.) (At least 100 hours of work-based experience is required)**  
**MK 463 Internship in Marketing (3 Sem. Hrs.) (At least 150 hours of work-based experience is required)**  
**Prerequisite: MG 320 or GBA 300; compliance with College of Business Internship Policies and Procedures**  
 These internships in the field of marketing are designed to provide the student with practical work experience leading to a potential career-field in business.

## Music (MU)

- MU 441 Special Topics in Music (1-3 Sem. Hrs.)**  
 This course will be offered on occasion of student demand or need. Course may be repeated as topics will vary.

## Philosophy (PH)

- PH 300 Moral Values in Today's Society (3 Sem. Hrs.)**  
This course examines the moral values of various societies as well as those of individual moral philosophers past and present to see how they legitimize their views of what constitutes a good and desirable life.
- PH 320 Biomedical Ethics (3 Sem. Hrs.) (Also listed as HS 320)**  
The course is designed to create a greater understanding of modern ethical issues in the biomedical field. Key topics will include: research on human and animal subjects, stem-cell research, genetic engineering, abortion, euthanasia, issues of justice, healthcare access, and confidentiality. The course begins with an overview of ethical theory and principle, and then explores the practical issues relating to biomedical ethics.
- PH 321 History of Philosophy I (3 Sem. Hrs.)**  
This course is a critical survey of the thought of major western philosophers from Thales to Descartes.
- PH 322 History of Philosophy II (3 Sem. Hrs.)**  
This course is a critical survey of the thought of western philosophers from Descartes to the present time.
- PH 325 Philosophy of Religion (3 Sem. Hrs.) (Also listed as RE 325)**  
This course is a philosophical study of the grounds of religious belief and practice, the relationship of man to God and its implications for morality, and the belief in life after death. Special attention is given to the impact of science upon religion.
- PH 441 Special Topics in Philosophy (1 Sem. Hr.)**  
**PH 442 Special Topics in Philosophy (2 Sem. Hrs.)**  
**PH 443 Special Topics in Philosophy (3 Sem. Hrs.)**  
These courses will be offered on occasion of student demand or need.
- PH 461 Directed Study/Research in Philosophy (1 Sem. Hr.)**  
**PH 462 Directed Study/Research in Philosophy (2 Sem. Hrs.)**  
**PH 463 Directed Study/Research in Philosophy (3 Sem. Hrs.)**  
*Prerequisite: Consent of instructor; open only to superior students who have had at least 15 hours of philosophy in the classroom* (May be repeated for up to ten additional hours of credit.) These courses are to be offered on occasion of student demand or need. The student studies in an area of his or her particular interest approved by the instructor.

## Political Science (PO)

- PO 302 Criminal Law (3 Sem. Hrs.) (Also listed as CJ 302)**  
This course focuses on the definitions of crimes to include the specific elements of various criminal offenses. Defenses to criminal conduct also are discussed.
- PO 303 Comparative State and Local Government (3 Sem. Hrs.)**  
This course is a comparative examination of the structures, operation, and contemporary issues facing state and local governments throughout the United States.
- PO 304 Problems of American Government (3 Sem. Hrs.)**  
This course examines numerous institutional dynamics and policy questions facing American national government.
- PO 307 American Constitutional Law (3 Sem. Hrs.) (Also listed as HY 307 and CJ 307)**  
This course examines the text of the nation's primary law and key decisions of the U.S. Supreme Court interpreting certain phrases. Organization and operation of the Court are also covered. This course focuses on separation of powers, federalism, interstate commerce, taxation, the contract clause and the takings clause. This course provides a foundation in American constitutionalism for students who plan to attend law school or teach social studies in the secondary schools.
- PO 326 International and Domestic Terrorism (3 Sem. Hrs.) (Also listed as CJ 326)**  
This course examines the threat of international and domestic terrorism. There is an emphasis on the people and groups involved in international terrorism, the goals and ideology of the terrorists, major terrorist events, the global war on terrorism, homeland security, and strategies for containing and defeating the terrorist threat.
- PO 341 Statistics With Advanced Topics in Behavioral Science (3 Sem. Hrs.) (Also listed as PS 341 and SO 341)**  
*Prerequisites: Precalculus Algebra or Finite Mathematics*  
This course looks at the use of descriptive and inferential statistics to analyze behavioral science data. Advanced inferential topics help prepare students for graduate school.
- PO 342 Methods of Behavioral Science Research (3 Sem. Hrs.) (Lab fee) (Also listed as PS 342 and SO 342)**  
*Prerequisite: It is strongly recommended that students take PS/SO/PO 341 prior to taking PS/SO/PO 342*  
This course is concerned with theory design and collection of data in behavioral science research with emphasis on the techniques of collecting, analyzing, and interpreting behavioral science data.
- PO 350 Introduction to the American Legal System (3 Sem. Hrs.) (Also listed as CJ 350 and PSHA 350)**  
This course is a review of basic legal doctrines and processes in the American system of jurisprudence. Students are introduced to a wide variety of topics in civil and criminal justice. Topics include the theory and nature of law as a device for social control, torts, contracts, and ownership of property. The course is structured to provide prelaw majors with exposure to the many social conflicts

managed by law and courts and to provide education majors with an overview of law-related topics necessary for civics instruction.

- PO 351 American Public Policy/Political Sociology (3 Sem. Hrs.) (Also listed as SO 351)**  
This course explores factors that impact government's responses to a wide variety of social conditions. The process for making policy, the content of current policy, and the impact of policy receive attention.
- PO 364 Civil Liberties (3 Sem. Hrs.) (Also listed as CJ 364)**  
This course focuses on the leading cases and doctrines which balance governmental/societal interests with individual rights across a broad spectrum of social relationships. It explores the constitutional foundations for freedoms of expression, due process rights, and equal protection under law.
- PO 377 Public Administration (3 Sem. Hrs.)**  
This course is an examination of the major issues and concepts associated with the management of governmental agencies.
- PO 380 Public Budgeting and Finance (3 Sem. Hrs.) (Also listed as PSHA 380)**  
This course examines the budgeting process used in the public sector and provides general overview of the field of public finance, with emphasis on budgeting and financial decision making by state and local governments and agencies. The course examines historical changes involving the institutions, principles, and processes used in public sector budgeting; the challenges and political environment faced by decision makers; different budgeting systems used; and recent proposals for change.
- PO 441 Special Topics in Political Science (1 Sem. Hr.)**  
**PO 442 Special Topics in Political Science (2 Sem. Hrs.)**  
**PO 443 Special Topics in Political Science (3 Sem. Hrs.)**  
These courses will be offered based on student demand or need.
- PO 453 International Relations: America and the World (3 Sem. Hrs.)**  
A survey of the basic characteristics and theories of the international system examining international conflicts, economics, regional and international organizations, international law, strategic studies, and comparative government. The role of foreign affairs in the history of the United States will be given special emphasis.
- PO 455 Ethics in the Public Sector (3 Sem. Hrs.) (Also listed as CJ 455 and PSHA 455)**  
This course examines ethical issues encountered by employees of governmental agencies, both in terms of management practices and interactions with the public. The course explores application of codes of ethics, theories of ethical decision making, and ethical principles impacting various aspects of the public sector.
- PO 461 Directed Study/Research in Political Science (1 Sem. Hr.)**  
**PO 462 Directed Study/Research in Political Science (2 Sem. Hrs.)**  
**PO 463 Directed Study/Research in Political Science (3 Sem. Hrs.)**  
*Prerequisite: Consent of instructor*  
These courses will offered on occasion of student demand or need and are designed to meet the specific needs of Political Science majors.
- PO 465 Senior Research Project (4 Sem. Hrs.) (Also listed as PSHA 465)**  
*Prerequisites: Political Science major and consent of instructor*  
*This capstone course should be taken during or near the time of the student's final semester.* The student will work closely with the professor in researching and writing a major research paper in an area of their major field that is relevant to the student's career objectives. The student will give an oral presentation of the research findings to other students in the class and faculty members. The instructor may require an observation experience(s) depending on the student's prior background in the subject area. The student will also complete an exit exam covering the principal sub-fields of the discipline of their major.
- PO 470 Internship in Political Science (1-4 Sem. Hrs.)**  
This course is designed to let political science majors serve as interns with judges, lawyers, and public administrators in North Alabama.

## Psychology (PS)

- PS 301 Gender and Multicultural Studies (3 Sem. Hrs.) (Also listed as SO 301)**  
This course is an introduction to the concepts, terminology, and issues in gender and multicultural studies including exploration of America's multicultural composition, gender as an element of culture, and contemporary issues in the field.
- PS 304 Drugs and Behavior (3 Sem. Hrs.)**  
This course is a survey of the psychosocial factors related to drug abuse and addiction. Special emphasis will be focused upon estimation of drug epidemiology, consequences of drug usage, and treatment of drug addiction.
- PS 330 Educational Psychology (3 Sem. Hrs.)**  
This course applies psychological concepts and principles to classroom teaching and learning especially in the areas of motivation, individual differences, adjustment, and teacher-student interaction.
- PS 331 Social Psychology (3 Sem. Hrs.)**  
This course presents an in-depth survey of theory, research findings, and research methods pertaining to how the individual's thoughts, feelings, and behaviors are influenced by the real or imagined presence of others. Understanding and critical analysis of primary research is emphasized with the goal of developing critical thinking skills. Topics include the self, person perception, attitudes

and attitude change, interpersonal attraction and intimate relationships, stereotyping, prejudice and discrimination, and prosocial behavior.

- PS 332 Child Psychology (3 Sem. Hrs.)**  
This course is an in-depth study of theory, research findings, and methods of obtaining knowledge regarding biological, cognitive, and psychosocial aspects of development from conception to puberty. Underlying mechanisms responsible for developmental change are emphasized. Topics include prenatal development, motor and perceptual development, cognitive development, the self and self-understanding, and the family. Critical analyses of scientific research designs and methods are emphasized.
- PS 334 Adolescent Psychology (3 Sem. Hrs.)**  
This course is an in-depth study of theory, research findings, and methods of obtaining knowledge regarding biological, cognitive, and psychosocial aspects of adolescent development. The impact of socio-cultural factors and underlying mechanisms responsible for developmental change are emphasized. Topics include physical change, cognitive development, development of identity, social development within the family and among peers, emotional development and moral attitudes. Critical analyses of scientific research designs and methods are emphasized.
- PS 335 Adult Psychology (3 Sem. Hrs.)**  
This course is an in-depth survey of theory, research findings, and methods of obtaining knowledge regarding biological, cognitive, and psychosocial aspects of adult development from emerging adulthood through the end of the lifespan. Developmental sequences of change and the underlying mechanisms responsible for change are covered. Topics include physical changes, intellectual changes, development of identity and social roles, relationships, personality changes, and coping with death and dying. Critical analyses of scientific research designs and methods are emphasized.
- PS 336 Psychology of Learning (3 Sem. Hrs.)**  
This course is a survey of the theories and concepts related to learning. The course will cover historical background, respondent conditioning, operant conditioning, imitation and cognitive models.
- PS 341 Statistics With Advanced Topics In Behavioral Science (3 Sem. Hrs.) (Also listed as PO 341 and SO 341)**  
**Prerequisites: Precalculus Algebra or Finite Mathematics**  
This course looks at the use of descriptive and inferential statistics to analyze behavioral science data. Advanced inferential topics help prepare students for graduate school.
- PS 342 Methods of Behavioral Science Research (3 Sem. Hrs.) (Lab fee) (Also listed as PO 342 and SO 342)**  
**Prerequisite: It is strongly recommended that students take PS/SO/PO 341 prior to taking PS/SO/PO 342**  
This course is concerned with theory design and collection of data in behavioral science research with emphasis on the techniques of collecting, analyzing, and interpreting behavioral science data.
- PS 352 Abnormal Psychology (3 Sem. Hrs.)**  
This course presents an in-depth survey of the field of psychopathology. Emphasis is placed on current DSM terminology and diagnostic criteria and on research and treatment of mental disorders. All major diagnoses are covered. Attention is focused on contemporary issues in the field.
- PS 368 Industrial and Organizational Psychology (3 Sem. Hrs.)**  
Industrial-organizational (I-O) psychology is the scientific study of the workplace. Rigor and methods of psychology are applied to issues of critical relevance to business, including talent management, coaching, assessment, selection, training, organizational development, performance, and work-life balance.
- PS 380 Experimental Psychology (3 Sem. Hrs.)**  
**Prerequisites: Psychology Major or Minor and PS/SO/PO 341**  
This course is an introductory course in experimental methods and procedures in psychology. Topics of discussion will include: hypothesis formation, internal and external validity, true experimental designs, quasi-experimental designs, single-subject designs, evaluation research, data collection, ethics, and formal reporting.
- PS 402 Clinical Psychology (3 Sem. Hrs.)**  
This course is an introduction to personality theory and the techniques of counseling and psychotherapy. An approach to psychotherapy and psychotherapeutic techniques will be emphasized within which various schools of thought can be considered in terms of a common framework.
- PS 406 Physiological Psychology (3 Sem. Hrs.) (Lab fee)**  
This course is a study of the relationships between physiological and psychological functions with special emphasis on mind-body interaction and the physiological explanations for human behavior. Topics of study include: nervous and endocrine systems, sleeping and waking, ingestive behavior, sexual behavior, reinforcement, punishment, motivation, emotions, and learning (disabilities, dysfunctions, etc.).
- PS 410 History and Systems of Psychology (3 Sem. Hrs.)**  
This course considers the scientific and philosophical antecedents of psychology, in addition to the history of the discipline. The course spans pre-Socratic thought to current and emerging issues in the field of psychology.
- PS 420 Cognitive Psychology (3 Sem. Hrs.)**  
This is an advanced psychology course that surveys the major topics in cognitive psychology. Special emphasis will be focused on attention, memory, language usage, problem solving, and decision making. It is strongly recommended that the student have completed Statistics With Advanced Topics in Behavioral Science and either Experimental Psychology or Methods of Behavioral Science Research.

- PS 441 **Special Topics in Psychology (1 Sem. Hr.)**  
 PS 442 **Special Topics in Psychology (2 Sem. Hrs.)**  
 PS 443 **Special Topics in Psychology (3 Sem. Hrs.)**  
 PS 444 **Special Topics in Psychology (4 Sem. Hrs.)**  
 These courses will be offered on occasion of student demand or need.
- PS 461 **Directed Studies in Psychology (1 Sem. Hr.)**  
 PS 462 **Directed Studies in Psychology (2 Sem. Hrs.)**  
 PS 463 **Directed Studies in Psychology (3 Sem. Hrs.)**  
 These courses will be offered on occasion of student demand or need. The student studies in an area of his/her particular interest approved by the instructor.
- PS 498 **Internship in Psychology (3 Sem. Hrs.)**  
*Prerequisite: Consent of instructor*  
 This course provides the student an opportunity to experience the theoretical concepts and knowledge obtained in the classroom. The internship entails approximately eight hours per week of supervised field experiences in appropriate community agencies, institutions, industrial or research settings, and bi-weekly in-class seminars.
- PS 499 **Thinking, Writing, and Speaking in the Behavioral Sciences (3 Sem. Hrs.) (Also listed as SO 499)**  
*Prerequisite: Senior standing*  
 All students majoring in the Behavioral Science department must take during their last semester prior to graduation. It will emphasize thinking, writing, and speaking effectively. Therefore, areas in which students are deficient will be emphasized individually, through writing and speaking engagements during the course. Students will be taught critical thinking skills and will be intermittently assessed for such skills through objective examinations. Also, students will be assessed upon completion of the course for improvement in critical areas.

## Public Safety and Health Administration (PSHA)

- PSHA 349 **Human Resources Management (3 Sem. Hrs.) (Also listed as MG 349)**  
 This course is a study of the technical functions of HRM. Emphasis is on their application to programs that foster employee commitment to objectives in a competitive, global economy. Course will explore challenges facing the HRM professional, as well as specific focus on the role of managers in the administration of HR activities. The challenges include technical functions such as recruitment and selection, training and development, design, administration of compensation and benefits plans, collective bargaining, and initiatives like quality-of-work life programs. The ways in which HRM works toward organizational goals in a time of rapid change will also be examined.
- PSHA 350 **Introduction to the American Legal System (3 Sem. Hrs.) (Also listed as CJ 350 and PO 350)**  
 This course is a review of basic legal doctrines and processes in the United States system of jurisprudence. Students are introduced to a wide variety of topics in both civil and criminal justice. Topics include the theory and nature of law as a device for social control, torts, contracts, and ownership of property. The course is structured to prelaw majors with limited exposure to the many social conflicts managed by law and courts, and to provide education majors with an overview of law-related topics necessary for civics instruction.
- PSHA 380 **Public Budgeting and Finance (3 Sem. Hrs.) (Also listed as PO 380)**  
 This course examines the budgeting process used in the public sector and provides general overview of the field of public finance, with emphasis on budgeting and financial decision making by state and local governments and agencies. The course examines historical changes involving the institutions, principles, and processes used in public sector budgeting; the challenges and political environment faced by decision makers; different budgeting systems used; and recent proposals for change.
- PSHA 400 **Public Safety and Health Education (3 Sem. Hrs.) (Also listed as HS 400)**  
 This course surveys the development and current state of training and education for selected safety and health related professions and "paraprofessional" fields. The focus of the course will be on the development of professional education in allied health and safety fields, and students will be able to pursue research regarding education and training programs from particular safety and health disciplines and paraprofessional fields.
- PSHA 441 **Special Topics in Public Safety and Health Administration (1 Sem. Hr.)**  
 PSHA 442 **Special Topics in Public Safety and Health Administration (2 Sem. Hrs.)**  
 PSHA 443 **Special Topics in Public Safety and Health Administration (3 Sem. Hrs.)**  
 PSHA 444 **Special Topics in Public Safety and Health Administration (4 Sem. Hrs.)**  
 These courses will be offered on occasion of student demand or need.
- PSHA 446 **Public Sector Organizational Theory and Management (3 Sem. Hrs.) (Also listed as CJ 446)**  
 This course examines the structure and functioning of public sector organizations focusing on agencies involved in the areas of public safety and health administration. Major theories and concepts relating to structure, behavior, and management practices of public organizations are examined.
- PSHA 448 **Managing the Public Safety and Health Emergency (3 Sem. Hrs.)**  
*Prerequisite: This course is open only to majors in PSHA, CJ, Health and Wellness, or Health Science, or by permission of a PSHA faculty member*  
 This course utilizes case studies and current literature to examine issues involved in preparation for and response to various situations faced by responders to major incidents involving public safety and health emergencies and crises. Special focus is placed on the structure and functioning of an incident command system under the National Incident Management System.

- PSHA 451 Environmental Health and Regulation (3 Sem. Hrs.) (Also listed as HS 451)**  
 This course provides an in-depth examination of the creation, development, and operations of governmental processes and agencies at all levels relating to environmental awareness and protection activities in the public sector. The interactions among the historical development of environmental awareness in America, the emergence of the Environmental Movement and advocacy groups, and various governmental actors are examined. The course examines governmental responses in terms of the creation of environmentally-focused agencies, passage of legislation, and administrative rule-making and regulation.
- PSHA 455 Ethics in the Public Sector (3 Sem. Hrs.) (Also listed as CJ 455 and PO 455)**  
 This course examines ethical issues encountered by employees of governmental agencies, both in terms of management practices and interactions with the public. The course explores application of codes of ethics, theories of ethical decision making, and ethical principles impacting various aspects of the public sector.
- PSHA 465 Senior Research Project (4 Sem. Hrs.) (Also listed as PO 465)**  
**Prerequisites: Public Safety Health Admin. major and consent of instructor**  
*This capstone course should be taken during or near the time of the student's final semester.* The student will work closely with the professor in researching and writing a major research paper in an area of their major field that is relevant to the student's career objectives. The student will give an oral presentation of the research findings to other students in the class and faculty members. The instructor may require an observation experience(s) depending on the student's prior background in the subject area. The student will also complete an exit exam covering the principal sub-fields of the discipline of their major.

## Religion (RE)

- RE 300 Religion, Culture, and Media (3 Sem. Hrs.)**  
 This course examines the religious content of popular culture and media. This course guides the student through a study of cultural and media events that have a religious emphasis. The class will combine a theological and sociological approach to the study of religion, culture, and media.
- RE 301 Religions That Shaped the World (3 Sem. Hrs.)**  
 This course is a survey of religions from ancient Egypt, Mesopotamia, Greece, Persia, Rome, Africa, America and the Eastern Religions of India, China, and Japan. This course will examine how these religions have shaped and continue to shape our religious world views.
- RE 302 Religion and Literature (3 Sem. Hrs.)**  
 This course is a study of various theological themes as they appear in literature. This course involves students in the study of great works of literature that have a religious motif, which is an interdisciplinary field of inquiry. It provides the student the opportunity to reflect on the great themes that emerge from both fields of study.
- RE 303 Current Religious Movements and Issues (3 Sem. Hrs.)**  
 This course is an examination of current religious issues and movements which are influential in the thought and practice of modern society.
- RE 305 Survey of Religious Education (3 Sem. Hrs.)**  
 This course provides an introduction to the field of religious education. The philosophy, history, processes and methods, organization, administration, and institutions concerned with the delivery of contemporary Christian educational ministries will be examined. Particular emphasis will be placed on specialized and parachurch religious educational organizations and processes representing a variety of denominations and faiths.
- RE 307 Essentials of Religious Studies (3 Sem. Hrs.)**  
 This course outlines the essentials of Religious Studies by looking at topics and themes such as doctrine, ritual, scripture, mysticism, pilgrimage, and myth across major religions, while also introducing methodological approaches to the comparative study of religion. The course is designed to provide an overview and critical examination of questions and issues regarding religious studies. Terms, main themes, and prominent thinkers will be included. Further, the course explores perceptions about how religion is understood, exposes matrices of relationships between ideas and practices, and supplies initial steps toward discovery of how religion and religious life are interwoven with economic, cultural, and political commitments.
- RE 308 Essentials of Biblical Studies (3 Sem. Hrs.)**  
 (This course should be taken by all religion majors who lack pre-professional hours in Religion.) This course will provide students who are preparing for graduate studies or those who want to know about the field of biblical studies an overview of the field. There are no prerequisites for this course. The course will contain discussion of biblical content, methods used to interpret biblical text, and some very basic information about biblical language and manuscripts.
- RE 309 The Bible and Its Influence (3 Sem. Hrs.)**  
 The Bible and Its Influence is an overview of the story of the Bible and the influence the Bible has had in shaping western culture. This course will provide a survey of the biblical story. The influence of the Bible on western culture in art, history, music and literature will be explored. The course also introduces an historical-metaphorical approach to reading the Bible.
- RE 325 Philosophy of Religion (3 Sem. Hrs.) (Also listed as PH 325)**  
 This course is a philosophical study of the grounds of religious belief and practice, the relationship of man to God and its implications for morality and the belief in life after death. Special attention is given to the impact of science upon religion.
- RE 327 Sociology of Religion (3 Sem. Hrs.) (Also listed as SO 327)**  
 This course looks at the interaction, interpretation, and interrelationships of religion, society, and individual morality in American religious behavior and institutions.

- RE 351 Introduction to Christian Thought (3 Sem. Hrs.)**  
This course is a critical study of contemporary Christian theological perspectives, which will cover a broad spectrum of current theological perspectives including evangelical, conservative, liberal, neo-reformation, liberationist, feminists, and other post-modern approaches.
- RE 401 History of Judaism (3 Sem. Hrs.)**  
This course presents Judaism from the destruction of the Temple through medieval times. It examines the world of Talmud, Midrash, Response and the general Diaspora. Requires reading from historical and tenetial sources.
- RE 402 History of Islam (3 Sem. Hrs.)**  
This course presents Islam from its beginning, in an historical, religious, and geographical context, to its major geographical, doctrinal, and sectarian spread internationally.
- RE 403 Religion in Life (3 Sem. Hrs.)**  
This course is an examination of religious ethics from various religious perspectives with the primary focus on western religious traditions and a comparison of western traditions with eastern ones observing both similarities and differences.
- RE 405 Religious Education of Adults (3 Sem. Hrs.)**  
This course presents an overview, through lectures, discussions, and readings, of the foundations of adult religious education, a survey of adult religious education programs, and a comprehensive examination of the principles of education for adult learners. The intended audience for this course are those students who are currently involved in the delivery of religious educational programs, or those students who anticipate working with adult learners in a religious setting. This course includes a research/field experience component.
- RE 409 Christian Thought in Early Centuries (3 Sem. Hrs.)**  
This course examines Christian thought and covers the Life of Jesus, Paul, and other leaders of the Early Church. The primary aim for this course is to examine the birth and development of the early Christian religion. It focuses primarily on the life and influence of Jesus and Paul. The overall view of the social world into which Christianity emerged and developed will be explored.
- RE 410 Leading Change in Faith Communities and Other Non-Profits (3 Sem. Hrs.)**  
This course is a survey of leadership challenges and principles concerning change in faith communities and other non-profits. Leadership philosophies and techniques will be explored from the life of Jesus, Paul, and leaders of other faith traditions. The course will also examine leadership principles from other non-profit sectors. The primary aim of this course is to identify and examine leadership principles that lead to excellence. The course will look at the philosophical, social, psychological, theological and spiritual aspects of leadership.
- RE 411 Age of the Reformation, 1350 – 1610 (3 Sem. Hrs.) (Also listed as HY 411)**  
(Satisfies the European requirement for a B.A. or minor in history as well as elective requirement for the minor and Non-American History for a B.S. in Social Science.) This course is a survey of the history of church and state in Europe from the Great Schism through the Protestant Reformation to the eve of the Thirty Years War.
- RE 412 The Hebrew Prophets (3 Sem. Hrs.)**  
This course is an examination of the settings, psychology, and conventional forms of prophecy in the ancient Near East as well as the writings of the former and latter prophets of the Old Testament.
- RE 413 Psalms and Wisdom Literature (3 Sem. Hrs.)**  
This course is an examination of the poetry, forms, and theology in the book of Psalms along with a study of the Wisdom Literature including the Books of Proverbs, Job, Ecclesiastes, and other 4th and 3rd century BC writings.
- RE 416 Interpreting the Text (3 Sem. Hrs.) (Also listed as EH 416)**  
This is an examination of various ancient, historical, and literary methods of interpreting literature covering the range from ancient ways of reading texts to current poststructuralist approaches. Even though primary emphasis will center on religious texts, there will be considerable attention given to issues and methods that emerged from the realms of the social sciences, literature, and philosophy.
- RE 417 Internship Senior Research Project: Religious Education (4 Sem. Hrs.)**  
This course provides opportunities for students to document and present directed research and supervised on-site work experiences in appropriate religious education settings. This course includes regularly scheduled discussion conferences and the evaluation of field experiences.
- RE 421 Sacred Art in History (3 Sem. Hrs.) (Also listed as AR 421)**  
This course explores the relationships between art and religion bringing theories of religious and aesthetic experience together. It gives an overview of the history of sacred art worldwide and it introduces students to religious functions of contemporary art. The course concentrates on the ways in which sacred and spiritual beliefs influence the creation of works of art using various cultures from around the world and throughout history. Students learn to understand aesthetic experiences with critical reflection and explain it to others.
- RE 427 Jesus, Muhammad, and Buddha (3 Sem. Hrs.)**  
Jesus, Muhammad, Buddha is a course designed as an exploration into the academic study of religion in three major faith systems of the world through a comparative approach. As students study the religions of Buddhism, Christianity and Islam, they will learn about their foundations, what they believe, and how they express their beliefs. This course will provide students a better understanding of different cultures, religions, social systems and historical contexts. The understanding of these religions and their contributions along with how they can cooperate together will be studied. The ability to respect differences and value diversity will be promoted.



- RE 430 Biblical Hebrew Grammar I (3 Sem. Hrs.)**  
This course is an inductive approach, utilizing the Biblical narratives, especially in Genesis and the Books of Kings.
- RE 431 Biblical Hebrew Grammar II (3 Sem. Hrs.)**  
*Prerequisite: RE 430 or its equivalent*  
This course emphasizes conjugations, syntax, and morphology, Hebrew poetry, and Hebrew narrative.
- RE 440 New Testament Greek I (3 Sem. Hrs.)**  
This course is for beginners. Greek grammar utilizes New Testament vocabulary.
- RE 441 New Testament Greek II (3 Sem. Hrs.)**  
*Prerequisite: RE 440 or its equivalent*  
This course is a continuation of RE 440.
- RE 442 Special Topics in Religion (1-3 Sem. Hrs.)**  
This course will be offered on occasion of student demand or need.
- RE 452 Problems of Evil and Suffering (3 Sem. Hrs.)**  
Problems of Evil and Suffering is a course that will primarily examine the biblical responses to suffering and the origin and reality of evil. This study will also explore and critique the religious and philosophical answers that have been offered in the face of suffering and evil.
- RE 461 Directed Study/Research in Religion (1 Sem. Hr.)**  
*Prerequisite: Consent of instructor (Open only to superior majors)*  
This course will be offered on occasion of student demand or need. May be repeated for up to six additional hours of credit.
- RE 462 Directed Study/Research in Religion (2 Sem. Hrs.)**  
*Prerequisite: Consent of instructor (Open only to superior majors)*  
This course will be offered on occasion of student demand or need. May be repeated for up to six additional hours of credit.
- RE 463 Directed Study/Research in Religion (3 Sem. Hrs.)**  
*Prerequisite: Consent of instructor (Open only to superior majors)*  
This course will be offered on occasion of student demand or need. May be repeated for up to six additional hours of credit.
- RE 464 Religious Studies Capstone Course (1 Sem. Hr.)**  
This capstone course must be taken during the student's final semester of work. Students will be expected to know critical content and demonstrate their knowledge through critical thinking in their research, writing, and oral presentation. In collaboration with the religion faculty, each student will propose a research project related to one of the following areas: sociology of religion, biblical studies, or theology and upon completion will make an oral presentation of his or her paper. Research should include a history of scholarship relating to the issues or problems under investigation.

## Secondary Education (SC)

- SC 331 Classroom Management in Secondary Education (3 Sem. Hrs.)**  
*Prerequisite: Admission to the Teacher Education Program*  
**Field experience is required.** This course is designed to facilitate the acquisition of professional attributes, to improve oral and written communication skills, to acquire classroom management skills appropriate for middle and high school classrooms and become cognizant of the impact of significant educational trends and issues.
- SC 333 Teaching Reading/Writing in the Content Areas (3 Sem. Hrs.)**  
**Course requirements include mandatory campus-based training. Consult the College of Education Calendar of Events Webpage for more information.** Teaching Reading and Writing in the Content Area is designed to model creative strategies to promote reading comprehension, vocabulary development, English as a Second Language strategies, and study skills in humanities, social sciences, natural sciences, mathematics, collaborative education, and vocational education for students in middle school and secondary school.
- SC 350 Foundations of Middle Level Education (3 Sem. Hrs.)**  
This course explores the tenets of exemplary middle level education for today's young adolescent learner. Emphasis is placed on the developmental needs of young adolescent learners, the historical and philosophical foundations of middle level schooling, structures, and programs of highly successful middle level schools, and the latest trends and issues in middle level education.
- SC 362 Assessment and Evaluation in Secondary Education (3 Sem. Hrs.)**  
*Prerequisite: Admission to the Teacher Education Program*  
This course addresses issues related to creating effective assessment tools for classroom use, factors which impact student performances and achievement, and strategies to effectively assess student understanding. Standardized tests are also studied along with the foundation of analysis and interpretation as well as the effects of "high stakes" testing.
- SC 400 Field Work Practicum I (1 Sem. Hr.)**  
*Prerequisite: Taken with SC 333 or immediately after successful completion of SC 333*  
SC 400 Field Work Practicum I is designed to address one semester of the secondary students' field experience requirements that include critical assignments for EdTPA. EdTPA is a performance assessment of readiness to teach. The portfolio assessment is designed with a focus on student learning. As a performance-based assessment, edTPA is designed to engage teacher candidates in demonstrating their understanding of teaching and student learning. Candidates complete tasks and commentaries within a portfolio

relevant to their programs.

- SC 401 Field Work Practicum II (1 Sem. Hr.)**  
**Prerequisites:** Admission to Teacher Education Program, SC 400, and taking SC 362 or immediately after successful completion of SC 362  
SC 401 Field Work Practicum II is designed to address the second semester of the secondary students' field experience requirements that include critical assignment for edTPA. EdTPA is a performance assessment of readiness to teach. The portfolio assessment is designed with a focus on student learning. As a performance-based assessment, edTPA is designed to engage teacher candidates in demonstrating their understanding of teaching and student learning. Candidates complete tasks and commentaries within a portfolio relevant to their programs.
- SC 430 Curriculum Design for the Middle Level Learner (3 Sem. Hrs.)**  
The focus of SC 430 is curriculum design and responsibilities for teaching the middle level learner. Because of the various content areas involved in teaching middle level learners, the course will be divided into two parts. The first half will explore the curriculum within the learning context: Who are my students? What is the context of my work? How can I best support my students? How can I involve my students' families and the communities where they live? The second half will focus on instruction. It will include developmentally and culturally appropriate strategies, planning and assessment for specific content areas of the middle level curriculum. A major component of Part II will be analyzing instructional units for the students' content area (e.g., math, social studies, language arts, history, science) as well as creating one.
- SC 486 Internship in High School (4-12 Sem. Hrs.) (Teaching Internship fee)**  
**Prerequisites:** Admission to the Teacher Education Program, satisfactory completion of all TEP courses, and clearance by the Internship Office  
Fifteen-week internship program. This culminating experience of the Teacher Education Program provides practical experience in teaching classes in state-accredited schools under the guidance of a cooperating teacher and supervision by a University supervisor. Seminar attendance is required.

## Special Education (SE)

- SE 301 Survey of Exceptional Learners (3 Sem. Hrs.)**  
A general survey course which addresses etiology, identification, incidence, curriculum modification, parent interaction, placement options, and inclusion of all types of educationally exceptional learners in general education settings. Includes required SDE training in Addressing Disproportionality In Alabama Schools.
- SE 303 Introduction to Early Childhood Special Education (3 Sem. Hrs.)**  
This course provides a rationale for Early Childhood Special Education programs covering legislative, empirical evidence, and ethical considerations. The course provides information pertaining to typical development and factors affecting that development. Partnerships with families are discussed pertaining to family-centered practices, family support systems, and elements of effective partnerships. Developmental domains such as gross-motor development, fine motor development, self-care skills, cognitive development, communication development, and social/emotional development are also taught within this course.
- SE 315 Characteristics and Identification of Students with Moderate to Severe Disabilities (3 Sem. Hrs.)**  
**Prerequisites:** SE 301 and SE 325  
Characteristics and Identification for Students with Moderate to Severe Disabilities is a course covering definitions, descriptions, characteristics, and the potential of students who have moderate to severe disabilities. Practices for teaching, collaboration among professionals and paraprofessionals, working with parents, families and addressing cultural issues will be covered within this course. Specific instructional and management procedures such as managing sensory and motor systems, providing support for health and medical needs, teaching personal care skills, and fostering friendships and recreational involvement will also be covered.
- SE 325 Characteristics and Identification of High Incidence Disabilities (3 Sem. Hrs.)**  
**Prerequisites:** ED 302 and SE 301  
This course provides an overview of causes, characteristics, and issues associated with learning disabilities, emotional disabilities, and behavioral disabilities.
- SE 335 Curriculum Development and Adaptations (3 Sem. Hrs.)**  
**Prerequisites:** Math or reading course (ER 323 or EL 324) and SE 301 or concurrent enrollment  
This course teaches the sources and development of appropriate curricula for a wide variety of students. It will include familiarity with state courses of study for inclusive settings as well as intense curricula for social and occupational needs in the special education setting.
- SE 355 Curriculum and Instruction for Learners with High Incidence Disabilities (3 Sem. Hrs.)**  
**Prerequisites:** ER 323 and SE 325  
**Field experience is required.** This course provides the pre-service teacher with alternative corrective procedures for a variety of academic, social, and occupational problems. Lee v. Macon Training on "Makes Sense Strategies" is included.
- SE 400 Methods Adapting Early Childhood Curricula for Children with Special Needs (3 Sem. Hrs.)**  
This course provides a strong emphasis on the importance of understanding the natures of all young children and how they learn. A thorough understanding of the complex development domains such as social-emotional, motor, communication, and cognitive skills will be emphasized throughout this course. Strategies for meeting the developmental education needs of infants and young children who have disabilities or who experience circumstances or conditions that potentially interfere with optimal growth and adjustment will be the focus.

- SE 402 Assessment of Exceptional Learners (3 Sem. Hrs.) (Lab fee)**  
**Prerequisite: SE 301**  
 This course provides training and hands-on experience with formal & informal tests and rating scales for use with exceptional students at elementary and secondary school levels. Topics include basic concepts of measurement, test development and technical characteristics, test administration, test scoring, and score interpretation. Administration of a battery of tests and preparation of a formal report are required.
- SE 415 Transition Planning and Learning Strategies for Adolescents with Disabilities (3 Sem. Hrs.)**  
**Prerequisite: SE 301**  
 This course provides Collaborative 6-12 majors with strategies for preparing secondary students with disabilities for successful high school experiences and for a variety of post-school outcomes.
- SE 420 Strategies for Gifted and Talented Students (3 Sem. Hrs.)**  
 This course focuses on curricular and instructional models and strategies for teaching gifted and talented students. Curriculum theories, models, strategies, and concepts are addressed.
- SE 425 Collaboration for Instruction and for Program Planning (3 Sem. Hrs.)**  
**Prerequisite: Admission to the Teacher Education Program**  
 This course provides models of collaboration which can be implemented in any public school setting. Furthermore, collaborative techniques which address interaction with a wide variety of stakeholders throughout the special education process will be addressed. Legal requirements of the Individuals with Disabilities Education Improvement Act (IDEA), its accompanying federal regulations, and state requirements will be thoroughly investigated. Requirements of the course include written Individual Education Plans (IEPs) which are legally defensible and participation in simulated special education process meetings. This course has no field experience.
- SE 435 Curriculum and Instruction for Students with Moderate to Severe Disabilities (3 Sem. Hrs.)**  
**Prerequisites: SE 315, SE 355, and Admission to the Teacher Education Program**  
**Field experience is required.** Curriculum and Instruction for Students with Moderate to Severe Disabilities is a course that provides training and hands-on experience with intervention strategies for student with moderate to severe cognitive, physical, and emotional disabilities. This course covers how to teach new skills when working with this population (i.e., instructional prompts, systematic instruction, and considerations for teaching students with Autism). Teaching skills for generalization and maintenance is emphasized. The instruction of communication skills, providing behavior support to improve challenging behaviors, and using assistive technology is also covered within this course. For collaborative K-6 and 6-12 majors, the senior methods portfolio is submitted during this course.
- SE 455 Language Development and Developmental Interactions (3 Sem. Hrs.)**  
**Prerequisite: SE 301**  
 This course emphasizes the development of language (including phonology, morphology, syntax, semantics, and pragmatics), cognitive, social development and their relationship to language development. Topics include theory and stages of language and cognitive development and strategies and materials used to meet the developmental needs of young children who are developing typically and those with developmental delay and disability.
- SE 460 Students on the Autism Spectrum (3 Sem. Hrs.)**  
 This course covers a variety of perspectives on evidence-based practices as well as the tenets of competent, humanistic, and meaningful support when working with learners who have autism spectrum disorder (ASD). Brain-behavior connections will be covered understanding how central coherence and information processing impact individuals with ASD. Social-pragmatic theory and its relevance in autism will be defined and what assessment considerations should be considered. Fostering play, imagination, and friendships with peers will be covered with discussion on how important such concepts become for students with autism. Finally, one parent's perspective will be shared within their textbook entitled Growing up with Autism describing a personal account of raising a child with autism.
- SE 462 Evidence-Based Intervention Strategies for Autism and Developmental Disabilities (3 Sem. Hrs.)**  
**Prerequisite: SE 460**  
 This course will focus on research-based interventions that promote progress in areas such as communication, social, academic, behavior, and sensory motor skills when working with students diagnosed with Autism. Interventions identified will include Augmentative and Alternative Communication strategies, Discrete Trial Instruction, Differential Reinforcement, Shaping, DIR model and its application, Functional Communication Training, Enhanced Milieu Teaching, Early Social Interaction, Peer-Mediated Support Interventions, Picture Exchange Communication System (PECS), Pivotal Response Treatment, Social Stories, and Video Modeling Applications. A DVD is provided in Prelock & McCauley (2012) textbook demonstrating key interventions that will be covered within this course. A performance-based Intervention Project will be required.
- SE 464 Using Behavior Analysis for Effective Teaching (3 Sem. Hrs.)**  
**Prerequisite: SE 460**  
 This course will explore adding science to the art of teaching by touching upon the causes of behavior and understanding what we mean by learning. Methods on how to identify and set goals to improve achievement using objectives to decrease negative behaviors will be covered. Recording methods, charting and graphing focused on the effectiveness of improving instruction will also be explored. Emphasis will be placed on a teacher as a researcher conducting research as the culminating Final project.
- SE 466 Supporting Children & Adults with Complex Communication Needs (3 Sem. Hrs.)**  
**Prerequisite: SE 460**  
 This course covers an introduction to Augmentative and Alternative Communication exploring the processes, message management, symbols and rate enhancement, alternative access, principles of assessment and the principles of decision-making, intervention, and evaluation. Augmentative and Alternative Communication interventions for Individuals with Developmental Disabilities will be covered next with communication for beginning communicators, language development and intervention focused on the challenges, the supports, and the instructional approaches. Instruction to support linguistic and social competence, literacy intervention and

education inclusion for individuals with more complex communication needs will also be covered. Augmentative and Alternative Communication interventions for individuals with acquired disabilities will focus on adults with acquired physical conditions, adults with severe aphasia and apraxia of speech, adults with degenerative cognitive and linguistic disorders, individuals with Traumatic Brain Injury, and within the intensive, acute and Long-Term acute medical settings will be covered.

- SE 465 IEPs and Other Legal Issues (3 Sem. Hrs.)**  
*Prerequisite: Admission to the Teacher Education Program*  
This course provides an overview of laws and regulations governing the implementation of special education services including federal and state regulations as well as relevant court cases. It will include development of IEPs for a variety of students.
- SE 476 Internship for Collaborative Education K-6 (6-12 Sem. Hrs.) (Teaching Internship fee)**  
*Prerequisites: Admission to the Teacher Education Program and clearance by the Internship Office*  
Fifteen-week internship program. This culminating experience of the Teacher Education Program provides practical experience in teaching classes in state-accredited schools under the guidance of a cooperating teacher and supervision by a University supervisor. Seminar attendance is required.
- SE 477 Internship for Collaborative Education K-6 (3-6 Sem. Hrs.) (Teaching Internship fee)**  
*Prerequisites: Admission to the Teacher Education Program and clearance by the Internship Office*  
Seven-week internship program for persons seeking certification through the Elementary/Collaborative K-6 degree.
- SE 478 Internship for Collaborative Education 6-12 (6-12 Sem. Hrs.) (Teaching Internship fee)**  
*Prerequisites: Admission to the Teacher Education Program and clearance by the Internship Office*  
Fifteen-week Internship Program. This culminating experience of the Teacher Education Program provides practical experience in teaching classes in state-accredited schools under the guidance of a cooperating teacher and supervision by a University supervisor. Seminar attendance is required.
- SE 495 Classroom Management and Discipline (3 Sem. Hrs.)**  
*Prerequisite: SE 301*  
This course is designed to develop students' understanding of classroom dynamics and behavioral problems. Topics include physical environment management and curriculum management as well as a variety of disciplinary strategies. Functional behavioral assessment and behavior intervention/management planning are covered. Course includes Lee v. Macon Training on Positive Behavioral Supports.

## Social Science (SS)

- SS 400 Culture and Globalization (3 Sem. Hrs.) (Also listed as SO 400)**  
Globalization has brought myriad cultures into intimate contact with each other through business and travel. An understanding of the basic concepts of cultural anthropology as applied to contemporary cultures will promote better understanding and empathy in a globalized world.
- SS 430 Globalization: Concepts and History (3 Sem. Hrs.) (Also listed as HY 430)**  
(Satisfies the American, European, or Non-Western requirement based on a B.A. or a minor in history as well as elective requirements for the minor and American or Non-American History for the B.S. in Social Science.) Globalization is a phenomenon that in the last fifty years has come to be explicitly recognized in the worlds of politics, economics, and culture. It also has ancient roots. This course will investigate the history, historiography, themes, and concepts associated with globalization.
- SS 450 Materials and Methods of Teaching the History and Social Sciences in the Middle School/High School (3 Sem. Hrs.) (Also listed as HY 450)**  
*Prerequisite: Admission to the Teacher Education Program*  
Senior methods portfolio must be submitted during this class (LiveText required). This course is intended to enhance students' abilities to plan, implement, and evaluate instructional activities in teaching history and social sciences and to select and use appropriate materials and equipment. Knowledge of the history and social sciences curriculum and middle and high school student characteristics will be increased. Students will actively participate in demonstrating and modeling strategies and techniques. The role of research will be emphasized.

## Sociology (SO)

- SO 301 Gender and Multicultural Studies (3 Sem. Hrs.) (Also listed as PS 301)**  
This course is an introduction to the concepts, terminology, and issues in gender and multicultural studies including exploration of America's multicultural composition, gender as an element of culture, and contemporary issues in the field.
- SO 304 Sociology of Work (3 Sem. Hrs.)**  
This course consists of sociological analysis of work in pre-industrial and industrial societies; a consideration of problems involved in the conceptual and empirical study of occupations and professions; an examination of the process of professionalism; and the study of leisure and the social consequences of changes in occupations and professions.
- SO 312 Majority/Minority Group Relations (3 Sem. Hrs.)**  
This course is a study of the principles and processes which shape the patterns of relations between majority groups, racial, ethnic, and other groups, with emphasis on American society, along with a comparison of intergroup relations in other societies.

- SO 314 Population Study (3 Sem. Hrs.)**  
This course examines the relationship of demographic factors to the social structure. Trends in fertility, mortality, population growth, distribution, migration, and composition will be investigated.
- SO 327 Sociology of Religion (3 Sem. Hrs.) (Also listed as RE 327)**  
This course looks at the interaction, interpretation, and interrelationships of religion, society, and individual morality in American religious behavior and institutions.
- SO 341 Statistics With Advanced Topics In Behavioral Science (3 Sem. Hrs.) (Also listed as PO 341 and PS 341)**  
*Prerequisite: Precalculus Algebra or Finite Mathematics*  
This course looks at the use of descriptive and inferential statistics to analyze behavioral science data. Advanced inferential topics help prepare students for graduate school.
- SO 342 Methods of Behavioral Science Research (3 Sem. Hrs.) (Lab fee) (Also listed as PO 342 and PS 342)**  
*Prerequisite: It is strongly recommended that students take PS/SO/PO 341 prior to taking PS/SO/PO 342*  
This course is concerned with theory design and collection of data in behavioral science research with emphasis on the techniques of collecting, analyzing, and interpreting behavioral science data.
- SO 345 Social Stratification (3 Sem. Hrs.)**  
Social stratification is the study of the unequal distribution of resources that are scarce, but widely desired, and of the processes by which these resources are allocated to individuals and groups in society. It encompasses the study of inequality along lines of income and wealth, occupational and class hierarchies, educational opportunity, poverty, inter and intra generational social mobility, gender, race and ethnicity, and the consequences of inequality for society.
- SO 351 American Public Policy/Political Sociology (3 Sem. Hrs.) (Also listed as PO 351)**  
This course explores factors that impact government's responses to a wide variety of social conditions. The process for making policy, the content of current policy, and the impact of policy receive attention.
- SO 352 Sociology of Health and Illness (3 Sem. Hrs.)**  
This course utilizes the sociological perspective to introduce a range of topics which illustrate the intimate connection between human behavior and health outcomes, the behavior of the healthcare institution, and the nature of the United States healthcare system.
- SO 353 Sociology of Death and Dying (3 Sem. Hrs.)**  
This course is a study of the sociological aspects of death and dying. This course will explore both the historical and contemporary issues within the sociology of death and dying. The study of death and dying will provide a foundation for dealing with death in your personal life as well as in your profession/career.
- SO 360 Contemporary American Family (3 Sem. Hrs.)**  
This course examines the origins and evolution of the American family as a social institution and the relationship of family structure to social organization. Emphasis will be placed upon the development of the family from colonial days to its contemporary forms and the larger social context within which the family has developed.
- SO 361 Social Analysis (3 Sem. Hrs.)**  
This course examines the basic principles of social organization including an examination of the structure and function of groups and complex organizations including social institutions, with special emphasis on their operation in American society.
- SO 362 Deviant Social Behavior (3 Sem. Hrs.)**  
This course is an in-depth examination of the social implication of labeling deviant behavior and its effects upon both the individual and society.
- SO 363 Social Structure and Personality (3 Sem. Hrs.)**  
This course analyzes the relationship of the culture and individual behavior through social influences.
- SO 400 Culture and Globalization (3 Sem. Hrs.) (Also listed as SS 400)**  
Globalization has brought myriad cultures into intimate contact with each other through business and travel. An understanding of the basic concepts of cultural anthropology as applied to contemporary cultures will promote better understanding and empathy in a globalized world.
- SO 441 Special Topics in Sociology (1 Sem. Hr.)**  
**SO 442 Special Topics in Sociology (2 Sem. Hrs.)**  
**SO 443 Special Topics in Sociology (3 Sem. Hrs.)**  
**SO 444 Special Topics in Sociology (4 Sem. Hrs.)**  
These courses are a study of social issues and contemporary social problems and their consequences.
- SO 460 Sociological Theories (3 Sem. Hrs.)**  
This course examines the history of theories and principles of sociological theory with emphasis on current theory and its relationship to research.
- SO 461 Directed Study/Research in Sociology (1 Sem. Hr.)**  
**SO 462 Directed Study/Research in Sociology (2 Sem. Hrs.)**  
**SO 463 Directed Study/Research in Sociology (3 Sem. Hrs.)**  
*Prerequisite: Senior-level majors only*  
These courses are designed to examine selected topics from a sociological perspective.

- SO 471 Aging in a Mass Society (3 Sem. Hrs.)**  
This course is a study of the aging process, the special problems encountered by the aging and by the institutions of society involved in the care of the aging.
- SO 498 Internship in Sociology (3 Sem. Hrs.)**  
***Prerequisite: Consent of instructor***  
This course provides the student an opportunity to experience the theoretical concepts and knowledge obtained in the classroom. The internship entails approximately eight hours per week of supervised field experiences in appropriate community agencies, institutions, industrial or research settings, and bi-weekly in-class seminars.
- SO 499 Thinking, Writing, and Speaking in the Behavioral Sciences (3 Sem. Hrs.) (Also listed as PS 499)**  
***Prerequisite: Senior Standing***  
All students majoring in the Behavioral Science department must take during their last semester prior to graduation. It will emphasize thinking, writing, and speaking effectively. Therefore, areas in which students are deficient will be emphasized individually, through writing and speaking engagements during the course. Students will be taught critical thinking skills and will be intermittently assessed for such skills through objective examinations. Also, students will be assessed upon completion of the course for improvement in critical areas.

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## **Veterans Affairs**

The veterans educational assistance programs and services at Athens State University are based on the rules, regulations, policies and procedures of the U.S. Department of Veterans Affairs (VA) and as such are subject to change without notice.

Athens State University is a participating member in the Principles of Excellence Program. Educational institutions participating in the Principles of Excellence program agree to the following guidelines:

- Provide students with a personalized form covering the total cost of an education program.
- Provide educational plans for all military and Veteran education beneficiaries.
- End fraudulent and aggressive recruiting techniques and misrepresentations.
- Accommodate Service members and Reservists absent due to service requirements.
- Designate a point of contact to provide academic and financial advice.
- Ensure accreditation of all new programs prior to enrolling students.
- Align institutional refund policies with those under Title IV, which governs the administration of federal student financial aid programs.

For questions regarding veterans programs, contact the Office of Veterans Affairs: (mail) Athens State University, Office of Veterans Affairs, 300 North Beaty Street, Athens, AL 35611; (phone) 256-233-8271; (email) [carolyn.carthen@athens.edu](mailto:carolyn.carthen@athens.edu). Students may also visit the Veterans Affairs webpage at <http://www.athens.edu/veterans-affairs/>. The Veterans Affairs Office is located on the lower-level of the Sandridge Student Center.

### **Veterans Educational Assistance Programs**

- Montgomery G.I. Bill - Active Duty Educational Assistance Program (Chapter 30 of Title 38, U. S. Code)
- Montgomery G.I. Bill - Selective Reserve Educational Assistant Program (Chapter 1606, formerly Chapter 106, of Title 10, U.S. Code)
- Post 9/11 GI Bill - Chapter 33
- Vocational Rehabilitation - Chapter 31: This program provides educational assistance to disabled veterans who are in need of vocational rehabilitation. To be eligible a veteran must have a service-connected disability entitling him/her to these benefits. An award authorization must be received by the Office of Veterans Affairs before benefits can be used.
- Survivors and Dependents Educational Assistance Program (Chapter 35 of Title 38, U. S. Code): Paperwork for state benefits (tuition, fees, books) should be processed through the Athens State Business Office. Federal benefits (monthly checks) should be processed through the Office of Veterans Affairs.
- Reserve Educational Assistance Program (REAP) - (Chapter 1607)
- Fry Scholarship - a provision of the Post 9/11 GI Bill

### **Selection of Major or Program**

In consultation with a Transfer Student Success Center counselor or an academic advisor, each veteran or eligible dependent student must select and plan a program in accordance with the Athens State University catalog. Assistance in determining a course of study or a change of program will be furnished by the Office of Veterans Affairs in consultation with the appropriate academic advisor.

### **Prior Credit Evaluation Requirements**

Athens State University is required by the Department of Veteran Affairs to obtain a written record of the previous education and training completed by veterans and other eligible persons receiving VA benefits. Students are required to submit official transcripts of courses and training prior to the end of their second term of enrollment at Athens State University. The Athens State University Office of Veterans Affairs will not submit certification for VA educational funding after the second term if all transcripts have not been received, evaluated and applied appropriately.

Certification of enrollment by the Office of Veterans Affairs prior to evaluating all prior credit could result in VA overpayment to the school and student. Any overpayment created through non-compliance with veteran policies is subject to repayment, and such overpayment can cause a delay in the payment of further benefits.

Veteran students are not allowed to receive VA Educational benefits for courses in which they have earned credit or that are not required for their degree or program. Veteran students are not allowed to repeat courses in which they have a passing grade unless a higher grade is required to pursue their course of study.

### **Repeated Courses for Veterans Receiving Educational Benefits**

If a veteran student fails a required course, the student may receive payment for repeating that course. However, according to VA regulations, the student cannot repeat a course just to improve a passing grade and still receive payment for that course. (See also Repeated Courses in the Academic Policies section of the catalog.)

## Standards of Academic Performance

Veterans or other eligible students receiving VA benefits are subject to the same standards of academic performance and conduct as are other University students. For additional information, see the Academic Policies section of the catalog.

## Withdrawal Requirements

In addition to following the University's policy [Withdrawal from Courses](#), students who receive veterans benefits must notify the Office of Veterans Affairs when withdrawing from a course or when dropping or adding courses during registration periods. Each withdrawal or drop resulting in a reduction in the course load must show the effective date of the change and the reason for the change.

## Choice Act

In accordance with Section 702 of the Choice Act, the following individuals shall be charged the in-state/in-district rate, or otherwise considered a resident, for tuition purposes:

- A Veteran using educational assistance under either chapter 30 (Montgomery G.I. Bill – Active Duty Program) or chapter 33 (Post 9/11 G.I. Bill), of title 38, United States Code, who lives in the State of Alabama while attending a school located in the State of Alabama (regardless of his/her formal State of residence) and enrolls in the school within three years of discharge from a period of active duty service of 90 days or more.
- Anyone using transferred Post – 9/11 G.I. Bill benefits (38 U.S.C. § 3319) who lives in the State of Alabama while attending a school located in the State of Alabama (regardless of his/her formal State of residence) and enrolls in the school within three years of the transferor's discharge from a period of active duty service of 90 days or more.
- A spouse or child using benefits under the Marine Gunnery Sergeant John David Fry Scholarship (38 U.S.C. § 3311 (b) (9)) who lives in the State of Alabama while attending a school located in the State of Alabama (regardless of his/her formal State of residence) and enrolls in the school within three years of the Service member's death in the line of duty following a period of active duty service of 90 days or more.
- Anyone described above while he or she remains continuously enrolled (other than during regularly scheduled breaks between courses, semesters, or terms) at the same school. The person so described must have enrolled in the school prior to the expiration of the three-year period following discharge or death described above and must be using educational benefits under either chapter 30 or chapter 33, of title 38, United States Code.

## Complaint Policy for Students Receiving VA Education Benefits

For students receiving VA education benefits, any complaint against the school should be routed through the VA GI Bill Feedback System by going to the following link: <http://www.benefits.va.gov/GIBILL/Feedback.asp>. The VA will then follow up through the appropriate channels to investigate the complaint and resolve it satisfactorily.

## Payments to Students Receiving Veteran Benefits

### Receipt of Checks

A student who completes an Application for Education Benefits or Change of Place of Training Form at the beginning of the semester should expect a VA processing period of about 6 weeks. If the estimated time has elapsed, the student should contact the Office of Veterans Affairs immediately and, if the case warrants, an inquiry will be made to the Regional Office.

### Payment

Athens State University does not participate in the advance payment plan for veterans or eligible dependents; therefore, tuition and fees must be paid in full by the published payment date. Veteran students receiving Vocational Rehabilitation are eligible to register without payment of tuition and fees providing that an award authorization from the VA Vocational Rehabilitation office has been received prior to the payment due date for the semester. Post 9/11 veteran students must provide a letter from the Department of Veterans Affairs showing the percentage for which he or she is eligible; this percentage will determine if the student will need to pay any tuition and/or fees.

### Overpayments

Each veteran or dependent receiving benefits should be aware that it is his or her responsibility to comply strictly with the policies and procedures which govern the receipt of educational benefits. Any overpayment created through non-compliance with veteran policies is subject to repayment, and such overpayment can cause a delay in the payment of further benefits.

**Responsibilities of Students Receiving Veterans Benefits**

It is the responsibility of veterans and dependents receiving VA benefits to notify the Office of Veterans Affairs via email of the following:

- Catalog changes
- Change of address
- Changes in enrollment or class schedule (including drops and/or adds, withdrawals)
- Change of major or program
- Course substitution (approval must be obtained prior to enrolling in the course)
- Enrollment/class schedule for each semester or term, including any enrollment at other institutions as a Visiting or Transient student while attending Athens State University
- Projected graduation date
- Veterans educational benefits eligibility changes