

## University Calendar 2021-2022

### FALL

August 2021						
S	M	T	W	T	F	S
1	2	3	4	5	6	7
8	9	10	11	12	13	14
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29	30	31				

September 2021						
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31						

October 2021						
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31						

November 2021						
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December 2021						
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### SPRING

January 2022						
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February 2022						
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March 2022						
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April 2022						
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May 2022						
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### SUMMER

May 2022						
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June 2022						
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July 2022						
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31						

August 2022						
S	M	T	W	T	F	S
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LEGEND						
B	Classes Begin					
CC	Campus Closed					
E	Exams					
FC	Fiddler's Convention					
G	Grades Due					
GR	Graduation					
H	Holidays					
NC	No Classes					
W	Last Day to Withdraw (Full Term Classes Only)					

#### HOLIDAYS:

Sept 6-Labor Day  
 Nov 23-26 Student Break  
 Nov 24-26 Campus Closed

Nov 25 Thanksgiving Day  
 Dec 10-Dec 31 Campus Closed  
 Dec 25 Christmas Day

Jan 1 New Year's  
 Jan 17 Martin Luther King Day  
 Mar 21-25 Spring Break

Mar 23-25 Campus Closed  
 May 30 Memorial Day  
 July 4 Independence Day

# Athens State University

Founded 1822

## 2021-2022 Undergraduate Academic Catalog

Vol. XLV, 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. This accreditation covers initial teacher preparation program and advanced educator preparation programs. The [Council for the Accreditation of Educator Preparation \(CAEP\)](#) became the sole accrediting body for educator preparation providers on July 1, 2013, and has replaced the former NCATE accreditation body.

The College of Education at Athens State University will be hosting a CAEP accreditation visit Fall 2021.

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, <https://www.abet.org>.

The B.S. in Information Technology degree program is accredited by the Computing Accreditation Commission of ABET, <https://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 for Financial Affairs, 300 N. Beaty St., Athens, AL 35611, 256-216-3303.

### **Accessibility/Disability**

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 Accessibility Services (formerly Disability Services), located in the Sandridge Student Center Room 122, (256) 233-8143, [Juliana.Hunt@athens.edu](mailto:Juliana.Hunt@athens.edu).

### **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](#).

# CONTENTS

Accreditation .....	1
Disclosure Statements .....	2
<b>Introduction and General Information</b> .....	<b>4</b>
Athens State University Vision, Mission, and Goals .....	4
Brief History of Athens State .....	5
Athens State University Campus Buildings and Other Facilities .....	6
Admission to Athens State University .....	8
Transfer of Academic Credit .....	12
Academic Records – Office of the Registrar (Student Records) .....	13
Academic Policies .....	16
General Education Requirements.....	24
Tuition and Fees .....	25
Student Financial Aid .....	27
Veterans Affairs .....	32
Services for Students with Disabilities (Accessibility Services).....	34
Adult Degree Program .....	35
Career Development Center.....	35
University Testing Center .....	35
<b>College of Arts and Sciences</b> .....	<b>36</b>
General Information .....	38
Degree Programs in the College of Arts and Sciences.....	40
College of Arts and Sciences Certificate Programs .....	132
<b>College of Business</b> .....	<b>134</b>
General Information .....	135
Degree Programs in the College of Business .....	137
College of Business Certificate Programs .....	166
<b>College of Education</b> .....	<b>169</b>
General Information .....	170
Degree Programs in the College of Education.....	173
College of Education Certificate Programs.....	206
<b>Minors</b> .....	<b>208</b>
<b>Course Descriptions</b> .....	<b>231</b>
<b>Index</b> .....	<b>302</b>

# **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, and was reaffirmed by the Board on January 15, 2021.)

## **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.

## **Athens State University Campus Buildings and Other Facilities**

### **Alabama Center for the Arts**

In fall 2012, Athens State University, in partnership with the City of Decatur, Morgan County, and Calhoun Community College opened the Alabama Center for the Arts at 133 Second Avenue in downtown Decatur, Alabama. Phase I, the 44,000 square foot Visual Arts building, provides facilities for college courses that lead to Associate of Science and Bachelor of Arts degrees. Class offerings include art appreciation, painting, drawing, computer graphics, sculpture, ceramics, pottery and courses supporting a teaching major leading to K-12 licensure for art instructors.

In August 2016, this collaborative effort continued with the opening of Phase II, the Performing Arts building. This facility is a continuation of the partnership between Calhoun Community College and houses programs in music and theatre. This facility encompasses approximately 44,000 square feet and includes a 140-seat recital hall, a 300-seat black box/studio theatre, recording studios, a music lab and a computer lab, three multi-purpose smart classrooms and faculty offices. College courses taught in this facility lead to Associate of Science and Bachelor of Arts degrees with class offerings that include music appreciation, dramatic literature, theatre appreciation, acting, various music classes, jazz, chorale, and other performing arts.

### **AMSTI (“Moran”) Building**

Purchased by the University in 2008 and located at 1115A Highway 31 South about 3 miles south of the main campus, the AMSTI building contains offices and storage areas for the Alabama Math, Science, and Technology Initiative (AMSTI) Region 2, and for Alabama Science in Motion (ASIM) specialists and equipment. AMSTI and ASIM provide resources and training to area K-12 schools.

### **Beaty-Mason House**

Built in 1826 by the founder of Athens, Robert Beaty, the Beaty-Mason House is listed on the National Register of Historic Places. The house, a few blocks south of the main campus, served as the home for four generations of the Beaty-Mason family before being purchased and renovated by the University in 1958. The house served as the President’s residence until 2010.

### **Brown Hall**

Completed in 1912, Brown Hall is named for Florence Brown, a teacher who cared for those affected by a 1909 campus typhoid epidemic. Miss Brown lost her life as a result of her efforts, and her parents donated funds in her memory for the building of Brown Hall as a new women’s dormitory. The building is listed on the National Register of Historic Places.

### **Bullington House (President’s Home)**

Currently serving as the President’s Home, the Bullington House was built in 1910 on the corner of Bryan and Beaty Streets on what was originally a portion of the estate of the McConnell family. The house, an example of the Free Classic architectural style, was purchased by the University in 2006 and was originally used for administrative offices before becoming the President’s Home in 2010.

### **Carter Physical Education Center**

Built in 1965 and originally serving as the hub for the University’s athletic programs (which were discontinued in 2004), the Center is named for former Alabama State Representative Tommy Carter and his wife JoAnn in recognition of their support to the institution. The Center houses classrooms and the Athletic Museum. In addition to its use for physical education activities, the Center gymnasium is used for graduation exercises and for a variety of meetings and community events.

### **Chasteen Hall**

Chasteen Hall, just off the main campus on the corner of Clinton and Hobbs Streets, currently houses the offices for the Adult Degree Program and the Testing Center, as well as various classrooms and computer labs. The building is named for Dr. James R. Chasteen, President of Athens State (1981-1990), and his wife Melba. Originally owned by then Athens College, the building was sold and served as both a grocery store and a hardware store for many years before being repurchased by the University.

### **Classroom Building**

The Classroom Building, housing a student lounge, and interactive and multi-purpose classrooms, was completed in the fall of 1998. The building underwent renovations in 2018-2018 to reconfigure some of the first-floor classrooms into new spaces for the University technical support Helpdesk and Athens Teaching Learning and Innovation Space (ATLIS).

### **College Street Center**

Purchased in November 2010, the Center was renovated in 2017 to house the offices and equipment for University Publications, Printing and Postal Services.

### **Founders Hall**

Founders Hall currently houses the Office of the President, offices for Financial Affairs, and faculty and staff offices for the College of Arts and Sciences. The iconic building of the University, Founders was built in 1842 by the Tennessee Conference of the Methodist Church on five acres of land donated by the Maclin/Hobbs family. This era of the institution represents the transition of the institution’s control to the Conference from the private female academy first established in 1822. A variety of additions

completed over the years have tripled the dimensions of the original building. In addition to the various offices, Founders also houses a parlor and chapel, and is listed on the National Register of Historic Places.

#### **Freehauf House**

Built in 1920 and located at 415 Hargrove Street on the northeast corner of the campus, the Freehauf House was purchased by the University in 2005.

#### **“Grey” House**

Purchased by the University in June 2015, this building at 307 North Beaty Street currently houses the offices of the Vice President for University Advancement and University Advancement staff.

#### **Kares Library**

The Athens State University Library opened in 1996, with the majority of the funds for its construction coming from private donations. In addition to the Library collection and offices, the building houses the University Writing Center, a Learning Commons area, and the Dr. Elva Bell McLin Archives Room. The Library was named as the Kares Library in May 2019 in recognition of the gift of Mr. and Mrs. Robert Kares. Mr. Kares is a 1968 alumnus of Athens College.

#### **Maintenance Building**

Completed in 1986, the Maintenance Building is located just off Hobbs Street on the east side of the campus. The building houses offices for physical plant staff, shipping and receiving areas, and equipment storage areas.

#### **McCain Hall**

Currently home to offices for faculty and staff in the College of Education, McCain Hall was completed in 1962. McCain Hall underwent a complete renovation and was rededicated in 2011. Originally serving as a women’s dormitory, the building is named for Dr. Virgil B. McCain, President of the institution from 1959 until 1965.

#### **McCandless Hall**

Housing the University Auditorium and serving as a facility for concerts, plays, and lectures for the campus and community, McCandless Hall was built in 1912 and is listed on the National Register of Historic Places. The Hall underwent a complete renovation in 2013 to both restore original features and add modern facilities to ensure equal access for patrons. The Auditorium features a tracker-action pipe organ dating back to 1892.

#### **Patton House**

The Patton House at 413 Hargrove Street was purchased by the University in 2006. The House currently contains offices for staff associated with the University’s 2022 Bicentennial campaign.

#### **Sanders Hall**

Currently home to offices for faculty and staff in the College of Business, Sanders Hall was built in 1921; a total renovation was completed in 2010. Originally a women’s dormitory, the Hall is named for Col. W. T. Sanders, who presided over the institution’s Board of Trustees from 1896 to 1921.

#### **Sandridge Student Center**

Serving as the primary center for students and student support services, the Sandridge Student Center was built in 1967 on the foundation of the 1918 gymnasium and swimming pool. The Center was named for Dr. Sidney E. Sandridge, President of the institution (1970-1981), upon his retirement. In addition to a student lounge area and cafeteria, the Student Center houses the Offices of Admissions, Registrar - Student Records, and Student Financial Aid, the Student Success and Career Development Centers, Accessibility Services, and the University Bookstore. The Sandridge Center underwent extensive renovations in 2018-2019 to reconfigure offices spaces and provide more of a “one-stop” experience for Athens State students.

#### **Security Office**

Once known as the “Little White House”, this small cottage just south of Founders Hall now houses the offices of Campus Security. The structure has served many purposes through its history, including use as a Greek house and for faculty housing.

#### **Smith House**

Located at 433 East Pryor Street, the Smith House is home to the offices for the Director of Public Relations, and the offices of Marketing and Communications. The Smith House was purchased by the University in 2005.

#### **Waters Hall**

Waters Hall was completed in 1957; an expansion and total renovation was completed in 2010. The building is named in honor of Mr. N. H. Waters, who was President of the institution’s Board of Trustees in 1957, and a loyal supporter of the institution. Waters Hall features classrooms, computer and science labs, and offices for College of Arts and Sciences faculty and staff.



## **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 under several categories, 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 <https://www.athens.edu/admissions/>. The Office of Admissions is located on the lower-level of the Sandridge Student Center.

### **Categories for Admission of Degree-Seeking Students**

#### **Regular Admission**

##### **Requirements:**

- Minimum 36 **earned** transferable semester hours prior to term of admission from institutions accredited by an institutional accrediting agency recognized by the U.S. Department of Education; and
- No in-progress courses appearing on any official transcripts; and
- Minimum 2.0 cumulative transfer GPA on a 4.0 scale; and
- Minimum 15 hours applicable to general education requirements; and
- Eligible to return to previously attended colleges or universities.

##### **Required Documents for Regular Admission:**

- Submission of completed Admissions application and payment of **non-refundable** application fee; and
- **Official** transcript(s) from **all** previously attended colleges or universities received by Athens State.

#### **Conditional Admission**

##### **Requirements:**

- Minimum 36 transferable semester hours (may include earned and courses in-progress) prior to term of admission from institutions accredited by an institutional accrediting agency recognized by the U.S. Department of Education; and
- Minimum 2.0 cumulative transfer GPA on a 4.0 scale; and
- Minimum 15 hours applicable to general education requirements; and
- Eligible to return to previously attended colleges or universities.

##### **Required Documents for Conditional Admission:**

- Submission of completed Admissions application and payment of **non-refundable** application fee; and
- **Official or unofficial** transcript(s) documenting minimum 36 transferable semester hours (may include earned and courses in-progress) received by Athens State.

**Note:** A student who is admitted under the conditional admission category will be denied eligibility to enroll in subsequent terms until **all** regular admissions requirements are met.

#### **Restricted Admission**

A degree-seeking student who does not meet the admission requirements for regular admission (e.g., does not meet minimum GPA, earned hours, general education hours, or is not eligible to return to previously attended college or university) may be granted restricted admission after an individual assessment review by the Director of Admissions. **Admissions reviews will only be performed once the following required documents have been submitted.**

##### **Required Documents for Restricted Admission:**

- Submission of completed Admissions application and payment of **non-refundable** application fee; and
- **Official** transcript(s) from **all** previously attended colleges or universities received by Athens State; students whose transcripts show courses in-progress will not be reviewed or considered for restricted admission.

**Note:** Restricted admission students may receive academic restrictions/conditions, may be admitted on academic probation, and/or may be expected to follow a specific plan for academic success. Students who fail to follow the conditions/plan will be denied eligibility to enroll for subsequent terms.

## **Admission of International Students**

In addition to meeting the requirements for one of the above admission categories, an international student applying for admission as a degree-seeking student 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 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 Certificate-Seeking Students**

An individual who wishes to pursue completion of one of the undergraduate-level certificate programs offered by Athens State may be admitted as a certificate-seeking student and should limit enrollment to courses required for the certificate, or prerequisites for these courses. Individuals admitted as certificate-seeking students are **not eligible** for financial aid.

### **Required Documents for Certificate-Seeking Admission:**

- Submission of completed Admissions application and payment of non-refundable application fee; and
- Official transcript(s) from **all** previously attended colleges or universities received by Athens State.

## **Admission of Non-Degree Seeking Students**

An individual who does not intend to pursue one of the degree or certificate programs offered by the University may be admitted as a non-degree seeking student to pursue a **limited goal**. An individual applying as a non-degree seeking student must complete an admissions application, and may be required to submit official transcripts depending on the goal type (see below). All attempted coursework is recorded on the Athens State transcript and earned credits may be transferable. **Some non-degree seeking student types are eligible for financial aid (see below).**

**NOTE: Any student wishing to change from non-degree seeking to degree- or certificate-seeking must fill out a new application and must meet the admission requirements as specified in the previous sections.**

### **Limited Goal Types for Non-Degree Seeking Students**

#### **Provisional Certificate in a Teaching Field**

**(Currently Employed Teachers only, formerly Alternative Baccalaureate-level Certificate “ABC”)**

Employed teachers seeking admission to complete coursework needed to meet requirements for the provisional certificate in a teaching field issued by the Alabama State Department of Education **must** provide documentation of employment and teaching subject to permit course registration. Financial aid may be available to eligible students that are admitted under this category.

#### **Required Documents:**

- Submission of completed Admissions application and payment of non-refundable application fee; and
- Official documentation from Alabama State Department of Education and/or school where employed specifying provisional eligibility and teaching subject being pursued.

#### **Level 3 Certification – “Master’s Equivalent Technical Education 3”**

**(Currently Employed Vocational/Technical Teachers only)**

Employed technical education teachers seeking admission to complete coursework needed to meet requirements for the Master’s Equivalent Technical Education 3 Certificate are **not eligible** for financial aid.

#### **Required Documents:**

- Submission of completed Admissions application and payment of non-refundable application fee; and
- Supporting documentation from Alabama State Department of Education specifying required courses.

### **Teacher Certification Development**

**(Persons who have a current teaching certification but need additional coursework to develop or maintain certification)**

Individuals seeking admission to complete coursework needed to maintain or develop a current teaching certification are **not eligible** for financial aid. Official transcripts are required to ensure coursework is not repeated.

#### **Required Documents:**

- Submission of completed Admissions application and payment of non-refundable application fee; and
- Supporting documentation or a written statement specifying required courses; and
- Official transcript(s) from **all** previously attended colleges or universities received by Athens State.

### **Recertification**

**(Persons who have an expired teaching certification and need coursework for teaching recertification)**

Individuals seeking admission to complete coursework needed to fulfill teacher recertification for renewal of an expired certification may be eligible for financial aid. Official transcripts are required to ensure coursework is not repeated.

#### **Required Documents:**

- Submission of completed Admissions application and payment of non-refundable application fee; and
- Documentation of expired teaching certification and supporting documentation or a written statement specifying required courses; and
- Official transcript(s) from **all** previously attended colleges or universities received by Athens State.

### **Personal Enrichment/Professional Enhancement**

A person who wishes to attend Athens State University for personal enrichment or professional enhancement will generally be limited to 6 semester hours per term. A person wishing to take course(s) for personal enrichment or professional enhancement must either show completion of any required prerequisites on official transcripts or receive approval to enroll in the course(s) from the College with oversight for the course(s). Students admitted for personal enrichment/professional enhancement are **not eligible** for financial aid.

#### **Required Documents:**

- Submission of completed Admissions application and payment of non-refundable application fee; and
- Submission of non-degree-seeking statement/form.

### **Transient/Visiting Student from Another Institution**

A student seeking a degree and in good standing at another college or university can take courses at Athens State for **one semester** as a transient student. Transient students from another college or university are **not eligible** to receive federal aid funding from Athens State under Title IV.

#### **Required Documents:**

- Submission of completed Admissions application and payment of non-refundable application fee;
- Submission of an official transient letter, form, and/or official transcripts from the appropriate representative at the home institution:
  - Documenting the student is in good standing at the home institution;
  - Indicating the semester of attendance and specific course(s) to be taken at Athens State; and
  - Verifying the student has appropriate prerequisites for the Athens State course(s), and/or confirming that the student accepts responsibility for the outcome if prerequisites cannot be verified.

**Transient students are responsible for submitting a request for official transcripts to be sent directly to the home institution upon completion of the course(s) at Athens State (subject to the transcript requirements of the home institution).**

**An international student who wishes to attend Athens State as a transient student must also have a transfer clearance sheet from the current foreign student advisor.**

### **Readmission/Reinstatement of Previous Athens State Students**

A student who has previously attended Athens State University, is currently eligible to return (not serving an academic suspension), and who is 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.

A student seeking reinstatement to the University **after** serving an academic suspension of any length must schedule and complete a **mandatory** counseling session with the Student Success Center. Students will not be allowed to register until the counseling session is complete.

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.

## Appeal of Academic Suspension

All academic suspension appeals must use the standard [Appeal of Academic Suspension](#) form available on the University website, must include all information and materials as specified on the form, and must be submitted to the recipient specified on the form. Submissions via email must originate from the student's assigned Athens State student email account. The form must be submitted with any supporting materials before the first day of classes for the term in which the student wishes to re-enroll. Any student appealing academic suspension who fails to meet the deadline will be required to serve out the suspension. **The Academic Suspension Appeal Committee's decision on all appeals is final.**

The transcripts for a student who has had suspension waived upon appeal will still note the student was suspended in the applicable term. In order to promote student success and provide intervention in cases of unsatisfactory academic performance, the University reserves the right to take appropriate steps for any student whose suspension is waived, including but not limited to: limiting the student's course load, and/or requiring the completion or repeat of other specific courses.

## 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.

## Athens State Students as Transient/Visiting Students at Other Institutions

Students admitted to Athens State as degree-seeking students may occasionally need to attend another institution to obtain coursework when Athens State courses are not available. An Athens State student in **good standing** may request to enroll in a course at another college or university and transfer the credit back to Athens State University. Athens State transient students must:

- Complete a Transient Student Authorization form available through the [Office of Admissions webpage](#).
- Have official transcripts of the coursework completed at the other college/university sent directly to the Office of Admissions immediately upon completion of course(s) to ensure timely transfer of credit.
- Comply with the processes for transient/visiting students at the college or university providing the course(s), including payment terms.

After achieving junior status or completion of 64 semester hours at the community college level, a student may **not** transfer credit for courses taken at a community 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 paid at Athens State may reflect total hours enrolled at two institutions via a Financial Aid Consortium Agreement. The Financial Aid Consortium Agreement form can be found on the Financial Aid forms webpage: <https://www.athens.edu/admissions/financial-aid/forms/>.

**Not all institutions participate in consortium agreements.** A consortium agreement does not make payment to other institutions on the student's behalf, but does allow financial aid to be calculated and paid to the student based on total hours of enrollment for all participating institutions in the agreement.

The Athens State student should contact the Athens State Office of Student Financial Aid for additional information on the Consortium Agreement process (256-233-8122, or email [finaid@athens.edu](mailto:finaid@athens.edu)).

## Transfer of Academic Credit

As an upper division institution, Athens State University accepts credit (excluding remedial) from postsecondary institutions accredited by institutions accredited by an institutional accrediting agency recognized by the U.S. Department of Education for inclusion in the student's records and possible fulfillment of some degree requirements. **Official transcripts from institutions accredited by such accrediting bodies must be submitted for evaluation prior to regular 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.

Coursework taken at the graduate level will not be automatically recorded on the Athens State University undergraduate transcript. Some graduate level coursework may be added as undergraduate credit on a case-by-case basis at the written request of the student, and when the coursework has been approved by the appropriate College as applicable to the requirements for the undergraduate program being pursued.

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 recognizes 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 to and fulfillment of 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 DANTES Subject Standardized Tests (DSST) under the Defense Activity for Non-traditional Educational Support (DANTES) provided acceptable scores are achieved. DSST is only accepted as non-graded credit, so any credit awarded will not factor in to a student's grade point average. 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).

## **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 <https://www.athens.edu/resources/student-services/registrar/>. The Office is located on the lower-level of the Sandridge Student Center.

### **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 and hometown
  - College/School and major/minor fields of study
  - Dates of attendance, class level, and enrollment status
  - Degrees, honors, and awards received
  - 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**

Official transcripts may be requested online through the National Student Clearinghouse Transcript Service. Students can choose electronic (only available to students who first attended Athens State January 1996 or later) or mail delivery options, and can specify multiple recipients during a single order session. Processing and other fees vary by delivery type and number of recipients.

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 transcript request webpage, and must pay any required transcript fees.

Details on all transcript request options can be found on the [Office of Records transcript request webpage](#).

## **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.



## **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 their starting point which includes: 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. Students should utilize the Center as a resource to help plan and navigate their first semester(s) of coursework, explain university policy and total credit hour requirements for graduation, as well as a starting place to be connected 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 Veterans Affairs Advisor 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 Discipline](#) (the full policy is found in the Student Affairs section of the online Athens State University [Policy Library](#)) 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 that appear on a student's official transcript upon graduation 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.

Since all grades for the final semester may not be available in time for commencement ceremonies and printing of commencement programs, degree with honor designations for a commencement ceremony are unofficial. Final academic honor designations are determined after grades for the final semester have been posted. Final, official honor designations will be reflected on the Athens State transcript and on the Athens State diploma.

## 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 the appropriate 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 Registrar/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 five baccalaureate degree options: Bachelor of Arts (BA), Bachelor of Fine Arts (BFA), Bachelor of Science (BS), Bachelor of Science in Nursing (BSN), and Bachelor of Science in Education (BSEd). Not all degrees are available in every major/program. Students should refer to the academic College sections of this catalog for specific degree/major 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.
- 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 from a community college, excluding remedial courses (all courses taken will be transferred in but only 64 semester hours from a community college will be applicable toward an undergraduate 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.**
- 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.**
- 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.
- Apply no more than 64 semester hours of non-traditional/non-graded college credit toward the degree.
- 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.

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. **GPA's 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 Important Dates for 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 Veterans Affairs Advisor 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 Veterans Affairs Advisor 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 institution accredited by an institutional accrediting agency recognized by the U.S. Department of Education, and who plan to pursue another degree at Athens State, must meet all **current** admission requirements (including completion of a new admissions application), 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 already on academic probation in a semester/term and whose undergraduate GPA in the subsequent semester/term is below 2.0. Students seeking reinstatement to the University after serving a one-semester suspension must follow the procedure for reinstatement (see Reinstatement After Serving Suspension below). Students wishing to appeal the one-semester suspension must apply for appeal and receive approval of the Academic Suspension Appeal Committee (see Undergraduate Student Suspension Appeal below).
- **Academic Suspension, One Year** - assigned to a student who has served an academic suspension, of one semester, and whose undergraduate GPA in the returning semester/term is below 2.0. Student seeking reinstatement to the University after serving a one-year suspension must follow the procedure for reinstatement (see Reinstatement After Serving Suspension below). Students wishing to appeal the one-year suspension must apply for appeal and receive approval of the Academic Suspension Appeal Committee (see Undergraduate Student Suspension Appeal below).

### Reinstatement After Serving Suspension

An undergraduate student seeking reinstatement to the University after serving a suspension must:

- Submit a completed Readmission Form to the Office of Admissions if the student has not been enrolled for more than one semester (not including summer), AND
- Schedule and complete a mandatory counseling session with the Student Success Center. Students will not be allowed to register until the counseling session is complete.

### Undergraduate Student Suspension Appeal

All academic suspension appeals must use the standard Appeal of Suspension form available on the University website, must include all information and materials as specified on the form, and must be submitted to the recipient specified on the form. Submissions via email must originate from the student's assigned Athens State student email account. The form must be submitted with any supporting materials **before the first day of classes for the term in which the student wishes to re-enroll**. Any student appealing academic suspension who fails to meet the deadline will be required to serve out the suspension. **The Academic Suspension Appeal Committee's decision on all appeals is final.**

The transcripts for a student who has had suspension waived upon appeal will still note the student was suspended in the applicable term. In order to promote student success and provide intervention in cases of unsatisfactory academic performance, the University reserves the right to take appropriate steps for any student whose suspension is waived, including but not limited to: limiting the student's course load, and/or requiring the completion or repeat of other specific courses.

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 30 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 30 semester hours of credit.
- **Junior** – A student who has earned a minimum of 60 semester hours of credit.
- **Senior** – A student who has earned a minimum of 90 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 and pass either the Alabama Prospective Teacher Test (APTT) or Praxis Core Tests, which include three parts focusing on reading, writing, and mathematics. Students must also complete and pass the appropriate PRAXIS II Content Area/Subject Area test(s) prior to admission to TEP. 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 Veterans Affairs Advisor or the Director of Student Financial Aid prior to initiating a withdrawal action.**



## **General Education Requirements**

In September 1998, to facilitate the development of a statewide transfer/articulation program and as mandated by Section 16-5-8 of the Code of Alabama, the Alabama Articulation and General Studies Committee (AGSC) developed a statewide freshman and sophomore level general studies ("general education") curriculum to be taken at all colleges and universities. The curriculum consists of five areas (see below) that outline the minimum general academic content that is covered in the freshman and sophomore years prior to transfer to a four-year institution in Alabama. Transfer guides developed and maintained by the State Transfer and Articulation Reporting System (STARS) follow these area guidelines. The AGSC general studies curriculum core includes study in the areas of written composition, humanities and fine arts, natural sciences and mathematics, and history, social, and behavioral sciences.

### **Area I: Written Composition (6 semester hours)**

Effective written communication skills are essential in a literate society. Minimum requirements include at least 6 semester hours in written composition.

### **Area II: Humanities and Fine Arts (12 semester hours)**

Study in the humanities addresses the ability to deal with questions of values, ethics, or aesthetics as they are represented in literature, philosophy, religion, and the arts, and is fundamental to general education. Minimum requirements include at least 12 semester hours in humanities with a minimum of 3 semester hours in literature, 3 semester hours in the arts, and the remaining semester hours from the humanities and/or fine arts. In addition to literature, disciplines in the humanities include, but are not limited to, philosophy, religious studies, speech, foreign languages, art, music, theatre, and dance. Courses should be broad in scope and content rather than specific and should emphasize a global perspective. Courses in the arts should emphasize history and appreciation rather than performance. Examples in the humanities and fine arts include, but are not limited to, world literature, art history, music appreciation, comparative religions, and history or origins of dance.

### **Area III: Natural Sciences and Mathematics (11 – 12 semester hours)**

Study in the natural sciences and mathematics emphasizes the scientific method and applies quantitative or inductive reasoning. Minimum requirements include at least 11 semester hours with at least 3 semester hours in mathematics at the pre-calculus algebra level or Finite Mathematics level unless otherwise specified and at least 8 semester hours in the natural sciences which must include laboratory experiences. Disciplines in the natural sciences include but are not limited to, astronomy, biology, chemistry geology, and physics. (Some mathematics courses are offered for 4 semester credit hours. This would account for the variation in hour requirements in Area III.)

### **Area IV: History, Social, and Behavioral Sciences (12 semester hours)**

Study in history and the social and behavioral sciences deals primarily with the study of human behavior, social and political structures, and economics. Minimum requirements include 12 semester hours with at least a 3 semester hour course in history and at least 9 semester hours from among other disciplines in the social and behavioral sciences. Disciplines include, but are not limited to, anthropology, economics, geography, political science, psychology, and sociology. Courses should be broad in scope and content, include global or international perspectives, and must emphasize the methods of inquiry in the social sciences.

**As a part of the General Studies Curriculum, students must complete a 6-semester hour sequence either in literature (Area II) or history (Area IV). The maximum semester hour total for Areas I-IV is 41-42 semester hours.**

### **Area V: Pre-Professional, Major, and Elective Courses (19 – 23 semester hours)**

Area V is designated for courses appropriate to the degree/major requirements of the individual student (it may also include electives). Area V requirements for each Athens State program are listed in the Undergraduate Catalog, and in the corresponding Degree Works plan of study.

Degree-seeking students must meet General Education requirements in Areas I-V according to the student's specific degree program and major. In order to be applied to degree requirements, transfer credit and coursework must be applicable to the degree or program the student is pursuing. The content and level of instruction of transfer coursework is evaluated to ensure that student competencies in the coursework are equivalent to those required in courses approved for the State's general education coursework requirements, or to similar coursework offered at Athens State.

Athens State University has designated certain Athens State courses that may fulfill general education requirements for students who may still lack some general education requirements upon admission to Athens State. These courses are clearly identified in the Course Descriptions section of the Undergraduate Catalog, and are listed in the general education section of each student's Degree Works plan of study. Students should consult their Degree Works plan of study, the appropriate College counselor in the University's Student Success Center, and/or their faculty advisor to determine the best options for fulfilling any general education requirements that may still be needed.

## **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. Tuition rates for the 2021-22 academic year were not finalized at the time of catalog publication.** Information on [current tuition and fee rates](#) can be found on the Athens State University website.

Payment due dates for each semester or term can be found in Athens State Online and in the [Important Dates](#) listing on the University website for each semester or term.

### **In-State Tuition**

In-state tuition rates apply to all students who can certify a specific address or location in the State of Alabama (or in Bedford, Franklin, Giles, Lawrence, Lincoln, Marshall, Maury, Moore, or Wayne county in Southern Tennessee) as their primary established residence for a period of at least one year immediately preceding the first day of classes for the academic term of admission, or who are otherwise classified as Alabama residents for tuition purposes as defined by state law and the University's [Establishing Residency for Tuition Purposes](#) policy.

In compliance with 38 U.S.C. §3679 (c), Public Law 114-315, the Choice Act, and other provisions of 38 U.S.C., in-state tuition rates may also apply to veterans, members of the United States Armed forces, or their dependents, and students who are eligible for certain benefits or educational assistance under 38 U.S.C. Additional details can be found in the Veterans Affairs section of this catalog.

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

Out-of-state tuition rates apply to all students classified as non-Alabama residents for tuition purposes. A student who was classified as a non-Alabama resident for tuition purposes upon initial admission but whose residency circumstances have changed may apply for reclassification, with the burden of proof for documenting the change falling on the student. Additional details and deadlines for applying for reclassification can be found in the [Establishing Residency for Tuition Purposes](#) policy.

### **Non-Traditional Tuition**

The Non-Traditional tuition rate applies to all courses taught 100% online or in blended format as well as directed studies, internships, practicums and work experience, 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 presentation 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 <https://www.athens.edu/admissions/financial-aid/>. The Student Financial Aid Office is located on the lower-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 [Transfer Guide and Process](#).

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

Apply for an FSA ID at <https://fsaid.ed.gov/npas/index.htm>. 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 Free Application for Federal Student Aid (FAFSA), renewal of 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 [fafsa.ed.gov](https://fafsa.ed.gov) or <https://studentaid.gov/h/apply-for-aid/fafsa>. 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.**

#### **Verification Review Policy and Procedures** (Federal Regulation Reference: 34 CFR 668.51-61)

Each year the federal processor selects a number of financial aid (FAFSA) applications for a review process called verification. In addition to those selected by the federal processor, the University may also select applications for verification. Before awarding any Federal Student Aid, we require this process be completed and may ask you to confirm the information reported on your FAFSA. If your application is selected, the Office of Student Financial Aid will notify you of the items needed. An Athens State Financial Aid Administrator will compare your FAFSA with the information and documentation you provide, and will make any necessary corrections and submit the corrections to the federal processor. The federal processor will then send you and the University an updated information record. The following important information also applies to this process:

- The time period during which you must submit required items begins when you receive notification from the Financial Aid Office of the requirements. **Be sure to check your Athens State e-mail frequently.**
- The DEADLINE for submitting required items is the earlier date of 120 days after your last date of enrollment, or September 1st of the ending year of the aid year (e.g., September 1, 2021, for the 2020-2021 aid year). Failure to complete this process by the deadline date will result in cancellation of your financial aid application for the aid year.
- If the Athens State Financial Aid administrator has reason to suspect an individual has misreported information or altered documentation to fraudulently obtain federal funds, the administrator may report the case to the U. S. Office of the Inspector General for further review.

If you have questions about verification, contact the Office of Student Financial Aid as soon as possible so that your financial aid will not be delayed.

#### **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.studentaid.gov](http://www.studentaid.gov). The Master Promissory note requires a 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 students must comply with the Federal Requirements for Satisfactory Academic Progress as outlined below:

### Undergraduate Satisfactory Academic Progress (SAP)

1. Undergraduates must maintain a cumulative 2.00 GPA on all undergraduate coursework.
2. All students must successfully complete 67% of all coursework attempted. All W's, I's, F's, repeated coursework and audited coursework count as unsuccessful completions. See the [Impact of Withdrawal on Financial Aid](#) page for additional details.
3. Students must complete their first bachelor degree's requirements within 150% of the usual time frame for degree completion. Athens State University generally requires 124 semester hours to earn a first undergraduate degree.
  - If you are seeking a second degree, you 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 Financial Aid for all students pursuing an additional degree. You must follow this plan. Example: 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 University will award an additional degree. You must maintain a 2.00 on all course work and complete 67% of all coursework attempted. If you do not follow your degree plan or you exceed 130% of the second degree, financial aid will be placed on Maximum Timeframe Suspension (**MAX.**) No further aid will be available.
  - If you are seeking a state required teaching certification or certificate program you 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 Financial Aid for all students pursuing course work toward a certification. You must follow this plan. Example: 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. You must maintain a 2.00 on all course work and must complete at least 67% of all courses attempted. If you do not follow your degree plan or you exceed 130% of the state required teaching certification or certificate program, your financial aid will be placed on Maximum Timeframe Suspension (**MAX.**) No further aid will be available.

If at the end of a semester of enrollment, your completion rate is lower than 67% and/or your cumulative GPA falls below 2.00, your status will be **WARNING**. (See information below regarding **WARNING** status.) If at the end of your **WARNING** semester you fail to regain compliance with **SAP**, your status will be **SUSPENDED**. (See information below regarding how to appeal a **SUSPENDED** status.)

### Satisfactory Academic Progress (SAP) Potential Timeline

1. **WARNING Status**— The first time you fall short of meeting the required completion ratio or GPA(s) or you are nearing the Maximum Timeframe to complete your degree, your status will be **WARNING**. You remain eligible to receive financial aid while in **WARNING**. A **WARNING** status is for one semester only.
2. **SUSPENDED Status** – After attending one semester on **WARNING** status, if you do not meet the required completion ratio or required GPA(s), your status becomes **SUSPENDED** status. You are no longer eligible to receive any financial aid until the required standards are met or you successfully appeal.
3. **MAX Status** – If you receive a **MAX** status, you are no longer eligible for financial aid. You may wish to discuss with your advisor the option of a first undergraduate degree in liberal studies with the hours on your transcript.
4. **PROBATION Status** – After being placed on a **SUSPENDED** status, **AND** you have successfully appealed and financial aid has been reinstated, the student is eligible to receive financial aid. This status is only for one term and quite often will carry conditions and/or stipulations for continued eligibility.

### Reinstatement Process

A student has two options to seek to regain federal financial aid eligibility:

1. Regain Satisfactory Academic Progress by completing courses that raise your Completion Ratio and/or cumulative GPA to the outlined standards using payment methods other than federal financial aid.
2. Complete an [Financial Aid Suspension Appeal form](#) and submit all required supporting documentation for consideration. See more information below.

**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.

### Student Appeals

Students on **SUSPENDED** status may submit an appeal for aid reinstatement due to extenuating circumstances. Student appeals **must** include:

- A completed [Financial Aid Suspension Appeal Form](#).
- 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 your appeal, you will be notified via your Athens State University email account. If you have an approved appeal, your status will be **PROBATION**. Many times, conditions are required. Generally, **PROBATION** continues until you have regained SAP, provided you have no W's, I's or F's in the enrollment periods of the probation. Failure to follow all conditions related to your probationary status will result in financial aid being terminated. If you have previously had your financial aid suspended and you are appealing for a second time, the appeal and all supporting documents will be sent to the Financial Aid Suspension Committee. The Committee will review the appeal and notify the student via Athens State University email account. The Committee's decision is final and there will be no further appeal reviewed for that financial aid suspension case. The Committee reviews appeals on an intermittent basis which could result in an appeal review taking at least two weeks.

If your appeal is denied or you decide not to appeal, you must complete the hours necessary and achieve the grades required to return to compliance with SAP.

## Financial Aid Programs

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

### 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. An accepted application must be received by the Office of Student Financial Aid before the award will reflect on the student's account here at Athens State.

**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 an eligible 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 Student Assistance Program Grant

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 withdrawal 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:

(Days Enrolled / Days in Term) x Title IV Aid Awarded and Disbursed = **Aid Earned**  
(Any break of five days or more is not counted in the days in the term)

Aid Disbursed – Aid Earned = **Aid to be Returned**

### **Order of Funds to Return (for which a return of Title IV funds is required)**

- Unsubsidized Direct Loan (other than Direct PLUS Loans)
- Subsidized Direct Loans
- Direct PLUS Loans
- Federal Pell Grant
- Federal Supplemental Education Opportunity Grant (FSEOG)
- Federal TEACH Grant
- Iraq and Afghanistan Service Grant

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 refund has already been issued.**

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**

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.

**Athens State University does not engage in fraudulent and aggressive recruitment of military students including, but not limited to, providing compensation to individuals for securing military enrollments or engaging in high-pressure recruitment tactics.**

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 <https://www.athens.edu/resources/student-services/veterans-affairs/>. The Veterans Affairs Office is located on the lower-level of the Sandridge Student Center.

### **Veterans Educational Assistance Programs**

GI Bill® is a registered trademark of the U.S. Department of Veterans Affairs (VA). More information about education benefits offered by VA is available at the official U.S. government website at <http://www.benefits.va.gov/gibill>.

- Montgomery GI Bill® - Active Duty Educational Assistance Program (Chapter 30 of Title 38, U. S. Code)
- Montgomery GI 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.
- Fry Scholarship - a provision of the Post 9/11 GI Bill®

Per Public Law 115-407 Sec. 103 for terms beginning August 1, 2019 and later, students utilizing VA education benefits shall not be charged a penalty, including assessment of late fees, denial of access to classes, libraries, or other institutional facilities, or be required to borrow additional funds because of the individual's inability to meet their financial obligations due to the delayed disbursement of a payment to be provided by the Department of Veterans Affairs.

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

In consultation with a 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.

### **Evaluation of Military Credit**

The Department of Veterans Affairs requires Athens State University to review all credit that may be applicable towards a student's degree. This includes military credit; therefore, Active Duty, Reserve, Veterans and National Guard students must request that a copy of their official military transcript to be sent to Athens State University. Students can request a copy of their military transcript to be sent to Athens State University by submitting a request to Joint Service Transcripts at <https://jst.doded.mil/jst/>. Air Force students must request transcripts from the Community College of the Air Force.

Failure to provide a copy of military transcripts will delay or prevent the certification of courses for VA benefits.

Information about Military Transcripts: military transcripts retrieved through Joint Services (JST) <https://www.military.com/education/timesaving-programs/the-joint-services-transcript.html> and/or through [www.ebenefits.va.gov](http://www.ebenefits.va.gov).

### **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.

### **Tuition Rates for Veterans and Members of the United States Armed Forces**

In compliance with 38 U.S.C. §3679 (c), Public Law 114-315, the Choice Act, and other provisions of 38 U.S.C., in-state tuition rates apply to a student who, at the time of admission to the University:

- Is a member, the spouse of a member, or a minor whose supporting person is a member of the United States Armed Forces on full-time active duty stationed in Alabama under orders other than attending school; or
- Has been a member of the Alabama National Guard for a period of at least 2 years immediately preceding the first day of classes for the academic term of admission, and continues to be a member of the Alabama National Guard while enrolled at Athens State University; or
- Is a veteran of the Armed Forces of the United States, provided that the veteran has become a resident of Alabama (as evidenced by documentation of a physical address in Alabama while enrolled) and satisfies at least one of the following conditions:
  - The veteran has served on active duty for a continuous period of time, not less than two years, and has received an honorable discharge as verified by a United States Department of Defense Form 214 within five years of enrolling at Athens State University; or
  - The veteran is currently serving in a reserve component of the United States Armed Forces, as verified by a memorandum from the commanding officer of the veteran student; or
  - The veteran has been assigned a service-connected disability by the United States Department of Veterans Affairs; or
- Is a veteran using educational assistance under either chapter 30 (Montgomery GI Bill® – Active Duty Program) or chapter 33 (Post-9/11 GI Bill®), of title 38, United States Code, who lives in Alabama while attending a school located in Alabama (regardless of his/her formal State of residence) and enrolls in the school within three years of discharge or release from a period of active duty service of 90 days or more, as well as
  - such person 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 release as described above and must be using educational benefits under either chapter 30 or chapter 33, of title 38, United States Code; or
- Is anyone using transferred Post-9/11 GI Bill® benefits (38 U.S.C. § 3319) who lives in Alabama while attending a school located in Alabama (regardless of his/her formal State of residence) and enrolls in the school within three years of the transferor's discharge or release from a period of active duty service of 90 days or more, as well as
  - such person 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 release as described above and must be using educational

- benefits under either chapter 30 or chapter 33, of title 38, United States Code; or
- Is anyone using benefits under the Marine Gunnery Sergeant John David Fry Scholarship (38 U.S.C. § 3311(b)(9)) who lives in Alabama while attending a school located in Alabama (regardless of his/her formal State of residence); or
  - Is anyone using transferred Post-9/11 GI Bill® benefits (38 U.S.C. § 3319) who lives in Alabama while attending a school located in Alabama (regardless of his/her formal state of residence) and the transferor is a member of the uniformed service who is serving on active duty; or
  - Effective for courses and terms beginning after March 1, 2019, is anyone using educational assistance under chapter 31, Vocational Rehabilitation/Employment (VR&E).

This policy shall be read to be amended as necessary to be compliant with the requirements of 38 U.S.C. 3679(c) as amended.

### **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: <https://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

### **Services for Students with Disabilities (Accessibility Services)**

Accessibility Services (formerly Disability Services) is the central contact point for Athens State students with disabilities. The goal of Accessibility Services is to ensure that University programs and services are accessible to qualified students with disabilities. Accessibility Services 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 Accessibility Services.

For questions regarding services for students with disabilities, contact Accessibility Services: (mail) Athens State University, Accessibility Services, 300 North Beaty Street, Athens, AL 35611; (phone) 256-233-8143; (email) [Juliana.Hunt@athens.edu](mailto:Juliana.Hunt@athens.edu).

Students may also visit the Accessibility Services webpage at <https://www.athens.edu/resources/accessibility-services/>. Accessibility Services is located on the second floor of the Sandridge Student Center, Suite 122.

## **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) [adp@athens.edu](mailto:adp@athens.edu). Students may also visit the ADP webpage at <https://www.athens.edu/academics/adult-learning/>. 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 recruiters at career fairs, employer workshops, information sessions, and at campus recruiting events.

**Handshake** is the Athens State online career platform for connecting students with employers. This resource provides access to job openings and leads, information about upcoming career events and registration for events. To register for **Handshake** and services, visit the Career Development Center webpage at <https://www.athens.edu/resources/student-services/career/> or <https://athens.joinhandshake.com/login> or call 256-233-8140. The Center is located on the second floor of the Sandridge Student Center, Suite 112.

## **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 <https://www.athens.edu/academics/testing/>. The University Testing Center is located in Chasteen Hall at the corner of Hobbs and Clinton Streets.

# College of Arts and Sciences

**Stephen G. Spencer, 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
Application Design		Yes	
Art	BA	Yes	
Art – With Minor in Education	BA		
Art (leading to Bachelor of Fine Arts degree – Concentration in Ceramics, Graphic Design, Painting & Drawing, or Multimedia Production required)	BFA		
Art History		Yes	
Behavioral Science	BS	Yes	
Biblical Studies			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 Networking		Yes	
Computer Science (Concentration in Software and Systems, Cybersecurity, or Intelligent Systems required)	BS	Yes	
Criminal Justice	BS	Yes	
Criminal Justice – Juvenile Justice Studies Option	BS		
Drama and Theatre Arts (Concentration in Musical Theatre, Theatre Design and Technology, or Theatre General Studies required)	BA	Yes	
English	BA	Yes	
English/Language Arts	BA		
English/Language Arts – With Minor in Education	BA		
Forensics and Investigation		Yes	
Forensic Psychology		Yes	
Gender/Multicultural Studies		Yes	
Gerontology		Yes	
Globalization		Yes	
Health Care Administration			Yes
Health Fitness		Yes	
Health Science	BS		
Health Science – Health Care Administration Option	BS		
Health and Wellness Management	BS		
History	BA	Yes	
History – Public History Option	BA		
History – With Minor in Education	BA		
Homeland Security and Administration		Yes	
Human Development		Yes	
Individualized Degree Program (formerly Liberal Studies)	BS		
Information Security			Yes
Information Technology (Concentration in Applied Information Technology, Computer Networking, or Health Information Technology required)	BS	Yes	

<b>Program Name</b>	<b>Degree(s) Available</b>	<b>Minor Available</b>	<b>Certificate Available</b>
<b>Interactive Design</b>			Yes
Marine Science		Yes	
<b>Mathematics</b>	BS	Yes	
<b>Mathematics – With Minor in Education</b>	BS		
Music (Vocal) or Music (Recording)		Yes	
<b>Nursing</b>	BSN		
<b>Pastoral Leadership</b>			Yes
<b>Psychology</b>	BA, BS	Yes	
<b>Public Safety and Health Administration</b>	BS	Yes	
<b>Religion</b>	BA	Yes	
<b>Social Science</b>	BS		
<b>Social Science – Public History Option</b>	BS		
<b>Social Science – With Minor in Education</b>	BS		
<b>Sociology</b>	BA, BS	Yes	
Technical Theatre		Yes	

The current listings of [Faculty and Staff in the College of Arts and Sciences](#) and [Faculty and Staff in the University Library](#) can be found on the Athens State University website.

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

Programs in the College of Arts and Sciences prepare students for careers or for continuing education in graduate or professional school. Our mission in the College of Arts and Sciences is to assist 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.

Programs in the College of Arts and Sciences support the mission of Athens State by empowering students “to make valuable contributions in their professional, civic, educational, and economic endeavors.”

The Department of Behavioral Sciences offers courses in seven areas of study: Behavioral Science, Psychology, Sociology, Criminal Justice, Health Science, Health & Wellness Management, and Public Safety and Health Administration. Programs in the Department employ an interdisciplinary approach aimed at developing a strong academic background to prepare students for employment in the areas of health, criminal justice, mental health, social work, counseling, substance abuse, sociology, and psychology. In addition, the programs prepare students for graduate or professional studies. Programs in Behavioral Sciences help students develop: (1) a knowledge base in psychology, sociology, criminal justice, or health fields; (2) scientific inquiry skills; (3) a sense of ethical and social responsibility in a diverse world; (4) communication skills; and (5) professional skills and goals.

The Department of Humanities and Social Sciences offers courses in four areas of study: English, History, Religion, and Social Science. Programs in the Department help students develop a strong academic background in preparation for careers, graduate or professional programs, or certification as secondary education teachers. Department programs: (1) enhance the student’s understanding of the world, society, and community through a broad knowledge base in the humanities and social sciences; (2) foster respect and appreciation for diversity of people and opinions; (3) cultivate life-long learning through proficient use of technology and information; and (4) develop critical thinking, analytical, and communication skills. Students pursuing teaching certification or licensure will complete additional requirements from the College of Education.

The Department of Fine and Performing Arts offers courses in three areas of study: Art, Drama and Theatre Arts, and Music. Programs in the Department emphasize individual commitment to creating art and provide students with the opportunity to shape the future of the art community, emphasizing the importance of art in society. Graduates of the program find themselves with a deepened artistic appreciation, knowledge-base, and skill-set that will allow them to pursue a graduate school education and/or that will enhance career opportunities. Department programs: (1) enhance the student’s understanding of the world, society, and community through broad knowledge in fine and/or performing arts; (2) foster respect and appreciation for a diversity of people and opinions; (3) develop critical thinking, analytical, and communication skills; and (4) instill strong ethical standards.

The Department of Mathematical, Computer and Natural Sciences is committed to providing students with a strong academic background within the context of an increasingly technology-driven society. The mathematics, computer science, and information technology programs allow students the flexibility to explore a wide range of applied and theoretical areas of mathematics, computing, and logic suitable for diverse 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, information technology, and/or computer science courses with other disciplines, as well as gain certification for teaching mathematics at the secondary school level. The mathematics, information technology, and computer science programs: (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) develop critical thinking, analytical, and communication skills.

The natural science programs 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, laboratories, and field experiences. Structured to prepare students for career opportunities in science, government, industry, and education or for pursuing graduate studies, the natural sciences: (1) enhance the student’s knowledge of the fundamental principles of biology, chemistry, and related life sciences and their interrelationships; (2) cultivate analytical and problem solving skills through the active teaching of the scientific method; (3) instill an appreciation for ethical principles in the conduct of scientific inquiry and use of new technology; and (4) develop critical thinking, analytical, and communication skills. 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, 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, Information Technology, Mathematics, 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 grades 6-12. Completion of these programs will lead to Class B Certification in middle and 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.

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, Psychology, and Individualized Degree Program. 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. Athens State graduates 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.

To be admitted to an accredited law school, students typically must have a bachelor's degree, an acceptable score on the Law School Admission Test (LSAT), and certain GPA requirements. Although no law school requires a specific major, the American Bar Association recommends degrees in English and history as preparation for law school.

#### Pre-Health Programs

Students interested in pre-health programs should contact the chief Pre-Health programs advisor, Dr. Sara Cline (sara.cline@athens.edu). Pre-health programs 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	

Students receive guidance in planning individual academic programs that will help prepare them for graduate programs in health and medicine. 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.
- 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 from a community college, excluding remedial courses (all courses taken will be transferred in but only 64 semester hours from a community college will be applicable toward an undergraduate 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.**
- 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.**
- 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.
- Apply no more than 64 semester hours of non-traditional/non-graded college credit toward the degree.
- 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 with emphasis on Art or Art with a minor in Education 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. Preparing students for graduate studies in visual arts or entry-level careers in creative profession are other important goals. Located in downtown Decatur, Alabama at the Alabama Center for the Arts, the state-of-the-art campus serves as an important component of the program. Faculty comprised of working artist/teachers and other students create a motivating and rigorous environment for artistic creation, interaction and growth. The senior thesis exhibition culminates the study.

### 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>
<b>Total Major Prerequisite Requirement Hours:</b>	<b>12</b>
<b>Total General Education and Major Prerequisite Requirement Hours:</b>	<b>53</b>

### **Professional Course Requirements**

	<b>Course</b>	<b>Hours</b>
	UNV 300 Pathways to Success	<b>3</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 Ceramics <u>or</u> AR 317 Ceramics Handbuilding	<b>3</b>
	AR 331 Advanced 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>
	UNV 400 Career Seminar	<b>1</b>
	<b>Total Professional Requirement Hours:</b>	<b>31</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>22</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>
<b>Total Major Prerequisite Requirement Hours:</b>	<b>9</b>
<b>Total General Education and Major Prerequisite Requirement Hours:</b>	<b>50</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 Ceramics Handbuilding	3
AR 331 Advanced 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
UNV 300 Pathways to Success	3
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 Strategies for the P-12 Art Classroom</u></b>	<b>3</b>
<b><u>ED 360 Classroom Management in Art Education</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>
UNV 400 Career Seminar	1
<b><u>AR 451 Internship in Art P-12</u></b>	<b>6-12</b>
<b>Total Professional Studies Requirement Hours:</b>	<b>35</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>12</b>

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

## **Bachelor of Fine Arts (BFA) – Art Major**

The BFA (Bachelor of Fine Arts) program will provide studio-based education in visual art and design at the undergraduate level. Specialized training and experience provided in a BFA degree has become an industry standard and a highly sought-after degree. Along with core studio-based training, students will select one of four concentrations: Ceramics, Graphic Design, Painting & Drawing, or Multimedia Design. BFA students will complete an extensive capstone practicum during their senior year designed to prepare them for employment, commissions, studio practice, graduate school applications, or other art career opportunities.

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

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

### **Applicable General University Requirements**

Students earning the Bachelor of Fine Arts (BFA) 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>	
	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
ART 203 Art History I <u>or</u> AR 341 Visual Culture	<b>3</b>
ART 204 Art History II <u>or</u> AR 342 Art of the Ancient Americas <u>or</u> AR 421 Sacred Art in History	<b>3</b>
Graphic Design, Computer Graphics, Intro to Digital Photography <u>or</u> AR 302 Adobe Photoshop Essentials	<b>3</b>
ART 121 2D Composition <u>or</u> AR 306 Concepts in 2D Design	<b>3</b>
ART 113 Drawing I <u>or</u> Intro to Graphic Design <u>or</u> AR 312 Figure Drawing	<b>3</b>
ART 114 Drawing II <u>or</u> Technical Illustration <u>or</u> AR 360 Drawing and Design	<b>3</b>
ART 127 3D Composition <u>or</u> AR 305 Concepts in 3D Design	<b>3</b>
<b>Total Major Prerequisite Requirement Hours:</b>	<b>21</b>
<b>Total General Education and Major Prerequisite Requirement Hours:</b>	<b>62</b>

### **Professional Course Requirements**

	<b>Fundamentals of Art Courses</b>	<b>Hours</b>
	AR 300 Art Studio in Critique	<b>3</b>
	AR 301 Painting	<b>3</b>
	AR 315 Topics in Ceramics	<b>3</b>
	AR 331 Advanced Photography	<b>3</b>
	AR 333 Graphic Design	<b>3</b>
	AR 408 Printmaking	<b>3</b>
	<b>University Success Courses</b>	
	UNV 300 Pathways to Success	<b>3</b>
	UNV 400 Career Seminar	<b>1</b>
	<b>Art Elective Courses</b>	
	Art History Elective (can be 100/200 level course)	<b>3</b>
	Art Electives (up to 6 hrs. can be 100/200 courses)	<b>9</b>
	<b>Capstone Experience Course</b>	
	AR 466 Advanced Portfolio, Exhibition and Art Research	<b>4</b>
	<b>Total Professional Requirement Hours:</b>	<b>38</b>

### **Additional Program Requirements**

In addition to the Professional Courses above, BFA Art majors must complete **one of the following:**

- The Concentration in Ceramics, **OR**
- The Concentration in Graphic Design, **OR**
- The Concentration in Painting & Drawing, **OR**
- The Concentration in Multimedia Production.

	<b>Concentration in Ceramics</b>	<b>Hours</b>
	<b>Advanced Courses in Ceramics</b>	
	AR 317 Ceramics Handbuilding	<b>3</b>
	AR 318 Intermediate Wheel Throwing	<b>3</b>
	AR 322 Intermediate Handbuilding	<b>3</b>
	AR 416 Glaze Chemistry and Kiln Design	<b>3</b>
	AR 422 Alternative Firing Processes	<b>3</b>
	<b>Electives in Concentration</b>	
	Select <u>two</u> classes from the following (all courses are 3 semester hours unless otherwise noted): AR 312 Figure Drawing AR 341 Visual Culture AR 360 Drawing and Design AR 420 Art Studio AR 426 Critical Theories of Today's Art AR 442 Special Topics in Art (1-3 hrs.) AR 443 Art Entrepreneurship AR 450 Internship in Art AR 460 Special Workshop AR 461 Sculpture	<b>6</b>
	<b>Total Ceramics Concentration Requirement Hours:</b>	<b>21</b>



<b>Concentration in Graphic Design</b>		<b>Hours</b>
	AR 304 Typography	<b>3</b>
	AR 307 Advanced Typography	<b>3</b>
	AR 338 Digital Imaging	<b>3</b>
	AR 353 History and Practice of Graphic Design	<b>3</b>
	AR 405 Interface Design	<b>3</b>
	AR 406 Multimedia Production	<b>3</b>
	AR 435 Advanced Graphic Design	<b>3</b>
	<b>Total Graphic Design Concentration Requirement Hours:</b>	<b>21</b>

<b>Concentration in Painting &amp; Drawing</b>		<b>Hours</b>
	<b>Advanced Courses in Painting &amp; Drawing</b>	
	AR 311 Landscape Painting and Drawing	<b>3</b>
	AR 314 Topics in Watercolor	<b>3</b>
	AR 403 Materials and Techniques of Painting	<b>3</b>
	AR 411 Narrative Painting and Drawing	<b>3</b>
	AR 413 Portrait Drawing and Painting	<b>3</b>
	<b>Electives in Concentration</b>	
	Select <u>two</u> classes from the following (all courses are 3 semester hours unless otherwise noted): AR 312 Figure Drawing AR 317 Ceramics Handbuilding AR 331 Advanced Photography AR 341 Visual Culture AR 342 Art of the Ancient Americas AR 343 Renaissance Art History AR 360 Drawing and Design AR 401 Advanced Figure Drawing AR 420 Art Studio AR 421 Sacred Art History AR 423 History of Modern Art AR 424 Late Modern Art History AR 426 Critical Theories of Today's Art AR 442 Special Topics in Art (1-3 hrs.) AR 443 Art Entrepreneurship AR 460 Special Workshop	<b>6</b>
	<b>Total Painting &amp; Drawing Concentration Requirement Hours:</b>	<b>21</b>

<b>Concentration in Multimedia Production</b>		<b>Hours</b>
	MU 310 Digital Recording and Editing	<b>3</b>
	DR 321 Principles of Scenic and Lighting Design <u>or</u> DR 333 Acting I	<b>3</b>
	AR 338 Digital Imaging	<b>3</b>
	AR 353 History and Practice of Graphic Design	<b>3</b>
	AR 406 Multimedia Production	<b>3</b>
	AR 440 Digital Animation	<b>3</b>
	AR 448 Collaborative Multimedia	<b>3</b>
	<b>Total Graphic Design Concentration Requirement Hours:</b>	<b>21</b>

A minor is not required.

The Art major must complete a minimum of 24 semester hours of upper division 300/400 level coursework in Art (AR) at Athens State University.

**General Electives**

		<b>Hours</b>
	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 BFA Art Major with required Concentration</b>	<b>124</b>

## BEHAVIORAL SCIENCE

The Behavioral Science Program at Athens State University is committed to guiding students to become psychologically and sociologically literate citizens of the 21<sup>st</sup> century by providing a broad and balanced understanding of psychology and sociology as a social and natural science. Students gain knowledge, skills, and values consistent with the science and application of psychological and sociological principles. The program emphasizes the value of psychology and sociology for developing insight into one's own and others' behavior and mental processes at the individual and institutional level. In addition, the program focuses on recognizing, understanding, and respecting the complexity of sociocultural diversity.

Students pursuing a Behavioral Science degree are prepared to enter a variety of careers such as social service, advocacy, marketing, or publication. In addition, the degree prepares students for graduate studies especially in social work.

### 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	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
	CIS 146 Microcomputer Applications or ITE 301 Problem Solving with Computers	3
	PSY 200 General Psychology <u>or</u> any upper-level (300/400) psychology course	3
	SOC 200 Introduction to Sociology <u>or</u> any upper-level (300/400) sociology course	3
	<b>Total Major Prerequisite Requirement Hours:</b>	<b>9</b>
	<b>Total General Education and Major Prerequisite Requirement Hours:</b>	<b>50</b>

### **Professional Course Requirements**

	<b>Course</b>	<b>Hours</b>
	UNV 300 Pathways to Success	<b>3</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>or</b> CJ 360 Race, Criminality, and Social Justice <b>or</b> GO 300 World Regional Geography	<b>3</b>
	UNV 400 Career Seminar	<b>1</b>
	<b>Total Professional Requirement Hours:</b>	<b>43</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>31</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 education, health, research, and environmental stewardship. It provides a core set of knowledge needed for employment and for pursuing graduate and professional studies in those fields.

The Biology programs include majors leading to the Bachelor of Science degree with additional options in Cell and Developmental Biology, Ecology and Organismal Biology, and Bioinformatics, as well as the Bachelor of Science degree with minor in Education (Grades 6-12) which leads to certification to teach Biology and related science courses at the middle and high school levels. 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>
	BI 312/312L Biostatistics <u>or</u> Statistics (MTH 265, MA 331, or 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>
	CIS 146 Microcomputer Applications <u>or</u> ITE 301 Problem Solving with Computers <u>or</u> CIS 201 Intro to Computer Programming Concepts <u>or</u> CIS 251 C++ Programming <u>or</u> CS 305 Concepts of Computer Programming	<b>3</b>
	<b>Total Major Prerequisite Requirement Hours:</b>	<b>22-24</b>
	<b>Total General Education and Major Prerequisite Requirement Hours:</b>	<b>63-65</b>

## Professional Course Requirements

	<b>Course</b>	<b>Hours</b>
	UNV 300 Pathways to Success	<b>3</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 304/BI 304L Diversity and Adaptations	<b>4</b>
	BI 470 Biology Capstone <u>or</u> BI 471 Research Thesis Capstone	<b>1</b>
	UNV 400 Career Seminar	<b>1</b>
	Biology elective courses at the 300/400 level approved by faculty advisor	<b>13</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>34</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, physical therapist) school, or who seeks special licensure or certification (e.g., medical lab scientist, wildlife biologist) should determine the specific requirements of the particular school, licensing program, 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 (MA 303), Statistics or Biostatistics (BI 312); Organic Chemistry I and II (CH 311, 312); Biochemistry (BI 409 or CH 409); and Physics I and II.

**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, Genetics, and Organismal Biology.

### Minor (Required)

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

### General Electives

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

	<b>Hours</b>
<b>Total Minimum Hours Required for Completion of Biology Major</b>	<b>127</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>
	BI 312/312L Biostatistics <b>or</b> Statistics (MTH 265, MA 331, or 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>
	Computer Programming course (CIS 251 or CS 305) recommended; CIS 146 Microcomputer Applications <b>or</b> ITE 301 Problem Solving with Computers accepted	<b>3</b>
	<b>Total Major Prerequisite Requirement Hours:</b>	<b>21-24</b>
	<b>Total General Education and Major Prerequisite Requirement Hours:</b>	<b>62-65</b>

### Professional Course Requirements

	Course	Hours
	UNV 300 Pathways to Success	3
	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 304/BI 304L Diversity and Adaptations	4
	BI 408/408L Bioinformatics	4
	BI 470 Biology Capstone <u>or</u> BI 471 Research Thesis Capstone	1
	UNV 400 Career Seminar	1
	Biology elective courses at the 300/400 level approved by faculty advisor	9
	*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>34</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 417 Topics in Object Oriented Programming <u>or</u> CS 472 Algorithm Analysis	3
	ITE 315 Scripting Languages and System Administration	3
	ITE 327/327L Database Systems and Database Systems Lab	4
	* 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>23-26</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, Genetics, and Organismal Biology.

A minor is not required.

### General Electives

	Elective hours as needed to meet minimum 124 hour requirement and all other general University requirements	2-8
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		Hours
	<b>Total Minimum Hours Required for Completion of Biology Major – Bioinformatics Option</b>	<b>127</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 fields associated with Cell and Development, including those interested in working in research labs or applying to graduate school or professional 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>
	BI 312/312L Biostatistics <b>or</b> Statistics (MTH 265, MA 331, or 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 <b>or</b> ITE 301 Problem Solving with Computers <b>or</b> CIS 201 Intro to Computer Programming Concepts <b>or</b> CIS 251 C++ Programming <b>or</b> CS 305 Concepts of Computer Programming	<b>3</b>
	<b>Total Major Prerequisite Requirement Hours:</b>	<b>22-24</b>
	<b>Total General Education and Major Prerequisite Requirement Hours:</b>	<b>63-65</b>

### Professional Course Requirements

	Course	Hours
	UNV 300 Pathways to Success	3
	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 304/BI 304L Diversity and Adaptations	4
	BI 470 Biology Capstone <u>or</u> BI 471 Research Thesis Capstone	1
	UNV 400 Career Seminar	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>34</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 408/408L Bioinformatics BI 415/415L Microbial Diversity and Human Interactions BI 423/423L Histology BI 424/424L Advanced Physiology BI 425/425L Developmental Biology BI 427 Parasitology (3 Hrs.) BI 429/429L Immunology BI 434 Applying Lab Principles at HudsonAlpha BI 441, 442, 443, 444 Special Topics in Biology (1-4 Hrs.)* BI 450 Research Seminar (1 Hr.)*	12
	<b>*Content must be approved by faculty advisor</b>	
	<b>Total Option Requirement Hours:</b>	<b>12</b>

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

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

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

There is no cost for taking the examinations, nor is it necessary to undertake any special preparation for the examination. Exit examination questions are drawn from the following areas: Cellular Biology, Ecology, Genetics, and Organismal Biology.

### Minor (Required)

Students with appropriate courses in allied health disciplines may be eligible to waive the required minor if approved by the faculty advisor through the University Curriculum Adjustment process.

	Hours
Required Courses for Minor (minimum 18 hours)	18
<b>Total Minimum Hours Required for Completion of Biology Major – Cellular and Developmental Option</b>	<b>127</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 fields associated with Ecology and Organismal Biology, including those interested in working as a field biologist, in field research, or applying to graduate school in forestry, wildlife biology, or ecology.

**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>
	BI 312/312L Biostatistics <b>or</b> Statistics (MTH 265, MA 331, or 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 <b>or</b> ITE 301 Problem Solving with Computers <b>or</b> CIS 201 Intro to Computer Programming Concepts <b>or</b> CIS 251 C++ Programming <b>or</b> CS 305 Concepts of Computer Programming	<b>3</b>
	<b>Total Major Prerequisite Requirement Hours:</b>	<b>22-24</b>
	<b>Total General Education and Major Prerequisite Requirement Hours:</b>	<b>63-65</b>

### Professional Course Requirements

	Course	Hours
	UNV 300 Pathways to Success	3
	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 304/BI 304L Diversity and Adaptations	4
	BI 470 Biology Capstone <u>or</u> BI 471 Research Thesis Capstone	1
	UNV 400 Career Seminar	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>34</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 408/408L Bioinformatics BI 411/411L Invertebrate Systematics and Morphology BI 420 Field Vertebrate Zoology I: Ichthyology and Herpetology BI 422 Field Vertebrate Zoology II: Ornithology and Mammalogy BI 451/451L Marine Biology BI 453/453L Plant Ecology BI 441, 442, 443, 444 Special Topics in Biology (1-4 Hrs.)* BI 450 Research Seminar (1 Hr.)*	12
	<b>*Content must be approved by faculty advisor</b>	
	<b>Total Option Requirement Hours:</b>	<b>12</b>

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

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

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

There is no cost for taking the examinations, nor is it necessary to undertake any special preparation for the examination. Exit examination questions are drawn from the following areas: Cellular Biology, Ecology, Genetics, and Organismal Biology.

### Minor (Required)

Students with appropriate courses in allied health disciplines may be eligible to waive the required minor if approved by the faculty advisor through the University Curriculum Adjustment process.

	Hours
Required Courses for Minor (minimum 18 hours)	18

	Hours
<b>Total Minimum Hours Required for Completion of Biology Major – Ecology and Organismal Option</b>	<b>127</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 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>
<b>Total Major Prerequisite Requirement Hours:</b>	<b>19-21</b>
<b>Total General Education and Major Prerequisite Requirement Hours:</b>	<b>60-62</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 304/BI 304L Diversity and Adaptations	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
<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
UNV 300 Pathways to Success	3
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
SC 331 Classroom Management in Secondary Education	3
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>
UNV 400 Career Seminar	1
<b><u>SC 486 Internship in High School Education</u></b>	<b>4-12</b>
<b>Total Professional Studies Requirement Hours:</b>	<b>32</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>0-2</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. Contact an Athens State Biology professor for more information.

A Dauphin Island Sea Lab Information Bulletin listing undergraduate summer school course offerings can be obtained early in the spring semester from Dauphin Island Sea Lab. Active courses of instruction sponsored by the MESC include the following:

Coastal Birds of Alabama	Ecology of the Coral Reef
Coastal Wetlands Ecology	Marine Biology
Marine Conservation Biology	Biotic Response to Sea Level Change
Marine Invertebrate Zoology	Environmental Applications of GIS
Shark and Ray Biology	Marine Botany
Marine Aquaculture	Marine Geology
Introduction to Neurobiology	Hurricanes of the Gulf Coast
Marine Ecology	Marine Mammal Health
Dolphins and Whales	Marine Vertebrate Zoology
Introduction to Oceanography	Marine Behavioral Ecology
Marine Mammals	Marine Restoration Ecology
Biology and Conservation of Marine Turtles	



## 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 <u>or</u> ITE 301 Problem Solving with Computers <u>or</u> Computer Programming Course (CIS 202, CIS 251, CS 305, or CS 317)	<b>3</b>
<b>Total Major Prerequisite Requirement Hours:</b>	<b>19</b>
<b>Total General Education and Major Prerequisite Requirement Hours:</b>	<b>61</b>

### **Professional Course Requirements**

	<b>Course</b>	<b>Hours</b>
	UNV 300 Pathways to Success	<b>3</b>
	CHM 221/221L <b>or</b> CH 311/CH 311L Organic Chemistry I	<b>4-5</b>
	CHM 222/222L <b>or</b> CH 312/CH 312L Organic Chemistry II	<b>4-5</b>
	CH 324/CH 324L Analytical Chemistry	<b>4</b>
	CH 420 Intermediate Inorganic Chemistry	<b>3</b>
	CH 430/CH 430L Physical Chemistry I	<b>5</b>
	CH 431/CH 431L Physical Chemistry II	<b>4</b>
	Approved 300/400 level Chemistry Electives (excluding CH 302 and CH 456)	<b>11</b>
	UNV 400 Career Seminar	<b>1</b>
	<b>Total Professional Requirement Hours:</b>	<b>39-41</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	<b>22-24</b>
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		<b>Hours</b>
	<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>
<b>Total Major Prerequisite Requirement Hours:</b>	<b>16</b>
<b>Total General Education and Major Prerequisite Requirement Hours:</b>	<b>58</b>

## Teaching Field Course Requirements

Course	Hours
CHM 221/221L <b>or</b> CH 311/CH 311L Organic Chemistry I	4-5
CHM 222/222L <b>or</b> CH 312/CH 312L Organic Chemistry II	4-5
CH 324/CH 324L Analytical Chemistry	4
CH 330 Environmental Chemistry	3
CH 409 Biochemistry	3
CH 420 Intermediate Inorganic Chemistry	3
CH 430/CH 430L Physical Chemistry I	5
CH 431/CH 431L Physical Chemistry II	4
Approved 300/400 level Chemistry Elective (excluding CH 302 and CH 456)	4
<b>Total Teaching Field Requirement Hours:</b>	<b>34-36</b>
<b>(Total Credit Hours in Chemistry including Areas I-V: 42-44)</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 a Departmental exit exam similar to PRAXIS Chemistry.

## Professional Studies Course Requirements (Education Minor)

Course	Hours
UNV 300 Pathways to Success	3
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
SC 331 Classroom Management in Secondary Education	3
SC 333 Teaching Reading/Writing in the Content Areas	3
<b><u>SC 362 Assessment and Evaluation in Secondary Education</u></b>	3
SE 301 Survey of Exceptional Learners	3
SC 400 Field Work Practicum I	1
<b><u>SC 401 Field Work Practicum II</u></b>	1
<b><u>CH 456 Materials/Methods of Teaching Chemistry in the Middle School/High School</u></b>	3
UNV 400 Career Seminar	1
<b><u>SC 486 Internship in High School Education</u></b>	4-12
<b>Total Professional Studies Requirement Hours:</b>	<b>32</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.

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

## COMPUTER SCIENCE (CS)

The B.S. in Computer Science degree program is accredited by the Computing Accreditation Commission of ABET, <https://www.abet.org>.

The degree in Computer Science provides 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. In addition to the Computer Science Professional Courses core curriculum, students must complete a concentration in Software and Systems, Cybersecurity, or Intelligent Systems.

The Software and Systems concentration is designed to prepare students for business and industry or graduate school. The goal of this curriculum is to prepare students to demonstrate competency in theory, systems, applications, and ethics.

The curriculum for the Cybersecurity concentration 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 concentration in Intelligent Systems is designed to prepare students to solve real-world problems with contemporary tools and technologies in machine learning, artificial intelligence, and cloud computing. The goal of this curriculum is to provide students an adequate understanding of technological, business, and ethical issues of intelligent systems and have the skills to apply these methods to solve real-world problems.

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 ITE courses.
- Computer certification examinations will not substitute for any required or elective coursework.

### Computer Science Program Student Outcomes:

Upon completion, Computer Science program graduates will demonstrate the following:

1. Analyze a complex computing problem and to apply principles of computing and other relevant disciplines to identify solutions.
2. Design, implement, and evaluate a computing-based solution to meet a given set of computing requirements in the context of the program’s discipline.
3. Communicate effectively in a variety of professional contexts.
4. Recognize professional responsibilities and make informed judgments in computing practice based on legal and ethical principles.
5. Function effectively as a member or leader of a team engaged in activities appropriate to the program’s discipline.
6. Apply computer science theory and software development fundamentals to produce computing-based solutions.

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

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

PO1. Are academically prepared to continue to graduate study or advance in their workplace,

PO2. Are skilled, competent, and capable of contributing to the workforce in their specialty,

PO3. 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,

PO4. Model high ethical standards within the community and profession,

PO5. 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>
	Computer Programming Course	<b>3</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>18</b>
	<b>Total General Education and Major Prerequisite Requirement Hours:</b>	<b>59</b>

## Professional Course Requirements

Fundamentals of Computer Science Courses		Hours
CS 317 Computer Science I <b>or</b> sufficient score on Placement Exam		0-3
CS 318 Computer Science II		3
CS 309/309L Introduction to Digital Logic Design and Digital Design Lab		4
CS 310 Professional Ethics of Computing		1
CS 372 Data Structures		3
MA 308 Discrete Mathematics		3
Mathematics Background Courses		
MA 310 Matrices and Linear Algebra		3
MA 331 Applied Probability and Statistics		3
Upper Level 300/400 Mathematics electives (MA 316, 320, 321, or 400-level MA courses except MA 454) with prior approval of the faculty advisor		6
Information Technology Core Courses		
ITE 305 Networking Fundamentals		2
ITE 306 Local Area Networks		2
ITE 327/327L Database Systems and Database Systems Lab		4
Computer Science Core Courses		
CS 340 Introduction to Assembly Language and Computer Organization		3
CS 414 Programming Language		3
CS 415 Operating Systems		3
CS 472 Algorithm Analysis		3
Student Success Courses		
UNV 300 Pathways to Success		3
UNV 400 Career Seminar (Students <b>must</b> register for the UNV 400 section that is taught by the designated CS /ITE professor)		1
Capstone Experience Courses		
CS 451 Software Engineering		3
CS 452 Senior Software Engineering Project		3
<b>Total Professional Requirement Hours:</b>		<b>56-59</b>

## Additional Program Requirements

In addition to the Professional Courses above, Computer Science majors must complete **one of the following**:

- The Concentration in Software and Systems, **OR**
- The Concentration in Cybersecurity, **OR**
- The Concentration in Intelligent Systems.

Concentration in Software and Systems		Hours
Computer Science and Information Technology Advanced Courses		
CS 417 Topics in Object Oriented Programming		3
Software and Systems		
Select <u>one</u> class from the following: ITE 315 Scripting Languages and System Administration CS 365 Visual Application Development CS 367 Enterprise Application Development CS 380 Programming for the Web CS 382 Mobile Device Software Development CS 409 Computer Organization and Architecture		3
Computing Theory		
Select <u>one</u> class from the following: CS 423 Computer Graphics CS 474 Introduction to Formal Language Theory CS 475 Introduction to the Theory of Computing CS 484 Applied Cryptography and System Security		3
Networking and Security		
Select <u>one</u> class from the following: ITE 409/409L Network Security and Network Security Lab (4 hrs.) ITE 420 Fundamentals of Information Security		3-4



	ITE 421 Digital Forensics CS 454 System Security Management	
	<b>Total Software and Systems Concentration Requirement Hours:</b>	<b>12-13</b>

<b>Concentration in Cybersecurity</b>		
	<b>Computer Networking Advanced Courses</b>	<b>Hours</b>
	ITE 307 Wide Area Networks	<b>2</b>
	ITE 308 Network Architectures	<b>2</b>
	ITE 409/409L Network Security and Network Security Lab	<b>4</b>
	<b>Information Security Courses</b>	
	ITE 420 Fundamentals 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>Total Cybersecurity Concentration Requirement Hours:</b>	<b>20</b>

<b>Concentration in Intelligent Systems</b>		
	<b>Fundamental Intelligent Systems Courses</b>	<b>Hours</b>
	CS 385 Pragmatic Artificial Intelligence – Cloud Based Machine Learning	<b>3</b>
	MA 422 Operations Research	<b>3</b>
	<b>Advanced Artificial Intelligence Courses</b>	
	CS 485 Modern Artificial Intelligence	<b>3</b>
	Select <u>two</u> classes from the following: CS 486 Natural Language Processing CS 487 Robotics CS 488 AI Reasoning, Decisions, and Learning CS 489 Soft Computing and Fuzzy Logic	<b>6</b>
	<b>Total Intelligent Systems Concentration Requirement Hours:</b>	<b>15</b>

The Computer Science major must complete a minimum of 24 semester hours of upper division 300/400 level coursework in computer science (CS) or Information Technology (ITE) 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 Concentration in Software and Systems</b>	<b>127-131</b>
	<b>Total Minimum Hours Required for Completion of Computer Science Major with Concentration in Cybersecurity</b>	<b>135-138</b>
	<b>Total Minimum Hours Required for Completion of Computer Science Major with Concentration in Intelligent Systems</b>	<b>130-133</b>

## CRIMINAL JUSTICE (CJ)

The degree programs in Criminal Justice include a major in Criminal Justice, an option in Juvenile Justice Studies, and minors in Criminal Justice, Forensics and Investigation, Homeland Security and Administration, Forensic Psychology, and Cyber Criminology/Computer Forensics. The program also offers a certificate in Child Advocacy Studies. This major provides students with interdisciplinary knowledge of criminal, constitutional, and correctional law processes, investigation and evidence collection, policies, and management practices within criminal justice agencies and organizations. Courses in Forensics, Cyber, and Terrorism prepare students to use current technological approaches in investigation and science. Through internships and practicums, students engage in experiential learning and lab work to gain hands-on experience in specific sub-fields of criminal justice. The program prepares graduates to pursue employment in law enforcement, correctional administration, judicial administration, social agencies, non-profits, probation and parole, security, state and federal agencies, and investigation in government and private sectors and further study in graduate school.

### 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 <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>
	<b>Total Major Prerequisite Requirement Hours:</b>	<b>9</b>
	<b>Total General Education and Major Prerequisite Requirement Hours:</b>	<b>50</b>

**Professional Course Requirements**

	<b>Course</b>	<b>Hours</b>
	UNV 300 Pathways to Success	<b>3</b>
	CJ 301 Criminal Justice Process	<b>3</b>
	CJ 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>
	PS/SO 342 Methods of Behavioral Science Research <b>or</b> HPE/HWM 401 Measurement and Evaluation	<b>3</b>
	PSHA 377 Public Administration	<b>3</b>
	CJ/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>
	UNV 400 Career Seminar	<b>1</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>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	<b>27</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>
	<b>Total Major Prerequisite Requirement Hours:</b>	<b>9</b>
	<b>Total General Education and Major Prerequisite Requirement Hours:</b>	<b>50</b>

### **Professional Course Requirements**

	<b>Course</b>	<b>Hours</b>
	UNV 300 Pathways to Success	<b>3</b>
	CJ 301 Criminal Justice Process	<b>3</b>
	CJ 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 <b>or</b> SO 362 Deviant Social Behavior	<b>3</b>
	PS 332 Child Psychology <b>or</b> PS 334 Adolescent Psychology	<b>3</b>
	PS 352 Abnormal Psychology <b>or</b> 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/HWM 401 Measurement and Evaluation	<b>3</b>
	CJ 464 Internship in Criminal Justice	<b>3</b>
	CJ 465 Senior Research Project	<b>4</b>
	UNV 400 Career Seminar	<b>1</b>
	<b>Total Professional Requirement Hours:</b>	<b>51</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, CJ/PSHA 455 Ethics in the Public Sector, and CH 302 Introduction to Forensic Science are recommended)	<b>23</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 with Concentrations will acquire various fundamental performance and production techniques, develop dramaturgical skills by learning to critically analyze 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, teaching, community arts programs, directing, playwriting, producing, designing, set construction, production management, education, 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 an MA or MFA program in Drama, Theatre Arts, Theatre, Dance, Performance Studies, Acting, Directing, Theatre Arts Administration and many other areas.

### 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)**

	<b>Discipline/Course</b>	<b>Hours</b>
	CIS 146 Microcomputer Applications <b>or</b> ITE 301 Problem Solving with Computers	<b>3</b>
	<b>For Concentration in Theatre Design &amp; Technology or Theatre General Studies:</b>	
	Electives (Theatre Production/Design courses recommended)	<b>18</b>
	<b>For Concentration in Musical Theatre:</b>	
	THR 141 Intro to Dance in Theatre I	<b>1</b>
	THR 142 Intro to Dance in Theatre II	<b>1</b>
	MUL 101 Class Piano	<b>1</b>
	MUL 111 Class Voice I	<b>1</b>
	MUL 112 Class Voice II	<b>1</b>
	MUL 180 Chorale	<b>2</b>
	MUS 110 Basic Musicianship	<b>3</b>
	Electives (Theatre, Music, Voice or Piano recommended)	<b>8</b>
	<b>Total Major Prerequisite Requirement Hours:</b>	<b>21</b>
	<b>Total General Education and Major Prerequisite Requirement Hours:</b>	<b>62</b>

### **Professional Course Requirements**

	<b>Drama and Theatre Arts Core Curriculum</b>	<b>Hours</b>
	EH 312 Dramatic Literature	<b>3</b>
	DR 313 Modern American Drama or DR 426 Renaissance Drama	<b>3</b>
	DR 319 Technical Theatre	<b>3</b>
	DR 333 Acting I	<b>3</b>
	DR 334 Acting II: Scene Study and Acting Shakespeare <b>or</b> DR 321 Principles of Scenic and Lighting Design	<b>3</b>
	DR 466 Practicum in Production	<b>3</b>
	<b>University Success Courses</b>	
	UNV 300 Pathways to Success (take during first semester)	<b>3</b>
	UNV 400 Career Seminar (take during final semester)	<b>1</b>
	<b>Total Professional Requirement Hours:</b>	<b>22</b>

### **Additional Program Requirements**

In addition to the Professional Courses above, Drama and Theatre Arts must complete **one of the following**:

- The Concentration in Musical Theatre, **OR**
- The Concentration in Theatre Design and Technology, **OR**
- The Concentration in Theatre General Studies.

	<b>Concentration in Musical Theatre</b>	<b>Hours</b>
	DR 315 Musical Theatre History	<b>3</b>
	DR 350 Jazz	<b>3</b>
	DR 351 Modern	<b>3</b>
	DR 352 Ballet	<b>3</b>
	DR 353 Tap Techniques	<b>3</b>
	DR 467 Musical Theatre Performance	<b>2</b>
	Choose <b>one</b> of the following sequences: MU 315 Private Vocal I (2 hours) <b>AND</b> MU 316 Private Vocal II (2 hours) <b>OR</b> MU 302 Choral Class (3 hours) <b>AND</b> MU 302L Choral Lab (1 hour)	<b>4</b>
	DR 400 Audition and Career Prep for Performers	<b>2</b>
	DR 401 Showcase (must be taken during semester in which student graduates)	<b>1</b>
	<b>Total Musical Theatre Concentration Requirement Hours:</b>	<b>24</b>

<b>Concentration in Theatre Design and Technology</b>		<b>Hours</b>
	AR 333 Graphic Design	<b>3</b>
	DR 316 Puppetry	<b>3</b>
	DR 322 Costume Design	<b>3</b>
	DR 323 Scenic Art	<b>3</b>
	DR 336 Theatre Production Management	<b>3</b>
	One other DR 300-400 level course or AR 300-400 level course	<b>3</b>
	DR 469 Drama Senior Thesis (must be taken during semester in which student graduates)	<b>3</b>
	<b>Total Theatre Design/Technology Concentration Requirement Hours:</b>	<b>21</b>

<b>Concentration in Theatre General Studies</b>		<b>Hours</b>
	DR 331 Dramatic Theory and Criticism	<b>3</b>
	Choose <b>one</b> Literature Course: EH 325 Myth: Ritual and Culture EH 425 Shakespeare EH 431 Poetry and Poetics	<b>3</b>
	Choose <b>two</b> History/Special Topics Courses: DR 310 Film: History, Development, and Evaluation DR 315 Musical Theatre History DR 332 Adaptation and the Arts DR 335 Movement and Stage Combat DR 405 Playwriting DR 455 Theatre for Young Audiences	<b>6</b>
	Choose <b>one</b> Technical Theatre Course: DR 316 Puppetry DR 322 Costume Design DR 323 Scenic Art DR 336 Theatre Production Management	<b>3</b>
	One additional DR 300-400 level course	<b>3</b>
	Drama 469 Drama Senior Thesis (must be taken during semester in which student graduates)	<b>3</b>
	<b>Total Theatre General Studies Concentration Requirement Hours:</b>	<b>21</b>

### General Electives

		<b>Hours</b>
	Elective hours as needed to meet minimum 124-hour requirement and all other general University requirements (Total depends on concentration)	<b>16-19</b>

		<b>Hours</b>
	<b>Total Minimum Hours Required for Completion of Drama and Theatre Arts Major with required Concentration</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 articulate 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 diverse careers. In addition to pursuing advanced degrees from graduate and professional schools, English majors are desirable employee candidates for teaching elementary 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 learning.

### 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>
	<b>Total Major Prerequisite Requirement Hours:</b>	<b>3</b>
	<b>Total General Education and Major Prerequisite Requirement Hours:</b>	<b>44</b>

### **Professional Course Requirements**

	<b>Course</b>	<b>Hours</b>
	UNV 300 Pathways to Success	<b>3</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>
	UNV 400 Career Seminar	<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>44</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>18</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>
	<b>Total Major Prerequisite Requirement Hours:</b>	<b>15</b>
	<b>Total General Education and Major Prerequisite Requirement Hours:</b>	<b>56</b>

### **Professional Course Requirements**

	<b>Course</b>	<b>Hours</b>
	UNV 300 Pathways to Success	<b>3</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>
	UNV 400 Career Seminar	<b>1</b>
	<b>Total Professional Requirement Hours:</b>	<b>38</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>12</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
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>
	<b>Total Major Prerequisite Requirement Hours:</b>	<b>12</b>
	<b>Total General Education and Major Prerequisite Requirement Hours:</b>	<b>53</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
	UNV 300 Pathways to Success	3
	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
	SC 331 Classroom Management in Secondary Education	3
	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>
	UNV 400 Career Seminar	1
	<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>32</b>

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

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

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

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

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

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

**General Electives**

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

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

## HEALTH SCIENCE (HS)

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

### Bachelor of Science - Health Science Major

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

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

#### Applicable General University Requirements

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

#### General Education Requirements

Area	Discipline/Course	Hours
I	<b>Written Composition</b>	<b>6</b>
II	<b>Humanities/Fine Arts (12 hours total)</b>	
	At least one fine arts course	<b>3</b>
	At least one literature course*	<b>3</b>
	Other courses in humanities or fine arts	<b>6</b>
III	<b>Mathematics and Natural Sciences (11 hours total)</b>	
	Finite math <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
	ECO 231 Principles of Macroeconomics <b>or</b> ECO 232 Principles of Microeconomics <b>or</b> EC 310 Modern Economics	<b>3</b>
	CIS 146 Microcomputer Applications <b>or</b> ITE 301 Problem Solving with Computers	<b>3</b>
	Biology, Chemistry, Physics and/or designated science-based allied health courses	<b>16</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 Course Requirements**

	<b>Course</b>	<b>Hours</b>
	UNV 300 Pathways to Success	<b>3</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>
	SO 351 American Public Policy/Political Sociology <b>or</b> 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>
	UNV 400 Career Seminar	<b>1</b>
	<b>Total Professional Requirement Hours:</b>	<b>39</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>22</b>
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		<b>Hours</b>
	<b>Total Minimum Hours Required for Completion of Health Science Major</b>	<b>124</b>

## **Bachelor of Science - Health Science Major: Health Care Administration Option**

The Health Science major with a Health Care Administration option prepares licensed and/or certified allied health practitioners with the academic skill set in administration to become leaders of allied health departments. This program is designed to attract allied health students in the areas of, but not limited to Medical Laboratory Technician, Occupational and Physical Therapy Assistants, Dental Assisting and Dental Hygiene, Diagnostic Imaging and Diagnostic Medical Sonography, Emergency Medical Services, Pharmacy Technology, and Respiratory Therapy.

**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 – Health Care Administration Option:**

### **Applicable General University Requirements**

Students earning the Bachelor of Science (BS) degree with a major in Health Science-Health Care Administration 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>
	ECO 231 Principles of Macroeconomics <b>or</b> ECO 232 Principles of Microeconomics <b>or</b> EC 310 Modern Economics	<b>3</b>
	CIS 146 Microcomputer Applications <b>or</b> ITE 301 Problem Solving with Computers	<b>3</b>
	Biology, Chemistry, Physics and/or designated science-based allied health courses	<b>16</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 Course Requirements**

	<b>Course</b>	<b>Hours</b>
	UNV 300 Pathways to Success	<b>3</b>
	HCM 340 Introduction to Health Care Systems	<b>3</b>
	HCM 345 Management of Health Care Organizations	<b>3</b>
	HS 320 Biomedical Ethics	<b>3</b>
	HS 380 Essentials of Health Care Finance	<b>3</b>
	HS 447 Public Health Concepts and Systems	<b>3</b>
	HS 455 Health Care Administration Internship	<b>3</b>
	HS 465 Senior Research Project	<b>4</b>
	HS 481 Health Care Quality Assurance, Risk Management and Utilization Review	<b>3</b>
	HWM 401 Measurement and Evaluation	<b>3</b>
	HWM 450 Introduction to Epidemiology	<b>3</b>
	SO 351 American Public Policy/Political Sociology <b>or</b> HS 355 Health Policy in the U.S.	<b>3</b>
	UNV 400 Career Seminar	<b>1</b>
	Select <b>two</b> courses from the following:  HWM 354 Contemporary Health HS 400 Public Safety and Health Education PSHA/MG 349 Human Resources Management PSHA 443 Special Topics in Public Safety and Health Administration PSHA 446 Public Sector Organizational Theory and Management PSHA 448 Managing the Public Safety and Health Emergency SO 352 Sociology of Health and Illness SO 471 Aging in a Mass Society	<b>6</b>
	<b>Total Professional Requirement Hours:</b>	<b>44</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>17</b>
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	<b>Hours</b>
<b>Total Minimum Hours Required for Completion of Health Science Major – Health Care Administration Option</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>
	<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>
	UNV 300 Pathways to Success	<b>3</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 355 Health Policy in the U.S.	<b>3</b>
	HS 447 Public Health Concepts and Systems	<b>3</b>
	HS 465 Senior Research Project	<b>4</b>
	UNV 400 Career Seminar	<b>1</b>
	<b>Total Professional Requirement Hours:</b>	<b>42</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>22</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 their students an appreciation of our cultural heritage and an understanding of the world in which we live. Through rigorous coursework, students acquire an understanding of the chief personalities, events, and historical forces that have shaped American history, European history, and various areas of the non-Western world. Program graduates have the skills and competencies to pursue graduate studies, gain employment in positions open to a liberal studies orientation, or teach history at the secondary school level.

### Bachelor of Arts - History Major

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

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

#### Applicable General University Requirements

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

#### General Education Requirements

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

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

	Discipline/Course	Hours
	The history major should complete a 6 hour sequence in history (Western Civilization, World History, or United States History) in addition to satisfying the Area IV requirement	6
	Electives in History	6
	CIS 146 Microcomputer Applications <u>or</u> ITE 301 Problem Solving with Computers	3
	<b>Total Major Prerequisite Requirement Hours:</b>	<b>15</b>
	<b>Total General Education and Major Prerequisite Requirement Hours:</b>	<b>56</b>

### **Professional Course Requirements**

	<b>Course</b>	<b>Hours</b>
	UNV 300 Pathways to Success	<b>3</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>
	UNV 400 Career Seminar	<b>1</b>
	<b>Total Professional Requirement Hours:</b>	<b>37</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>13</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>
	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>56</b>



### **Professional Course Requirements**

	<b>Course</b>	<b>Hours</b>
	UNV 300 Pathways to Success	<b>3</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>
	UNV 400 Career Seminar	<b>1</b>
	<b>Total Professional Requirement Hours:</b>	<b>37</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>13</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>
	<b>Total Major Prerequisite Requirement Hours:</b>	<b>9</b>
	<b>Total General Education and Major Prerequisite Requirement Hours:</b>	<b>50</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
UNV 300 Pathways to Success	<b>3</b>
ED 301 Introduction to Teaching	<b>1</b>
ED 302 Foundations of Education	<b>3</b>
ED 305 Technology & Media in Education (fulfills CIS 146 major/degree prerequisite requirement in History major)	<b>3</b>
SC 331 Classroom Management in Secondary Education	<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>
UNV 400 Career Seminar	<b>1</b>
<b><u>SC 486 Internship in High School Education</u></b>	<b>4-12</b>
<b>Total Professional Studies Requirement Hours:</b>	<b>32</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>9</b>

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

## **INDIVIDUALIZED DEGREE PROGRAM (IDP)**

The Individualized Degree Program major is offered through the College of Arts and Sciences. 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 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 person highly skilled in analytic reading, critical listening, and high-level communication abilities, ready for further university study or employment.

### **IDP Program Goals**

1. **Academic Integrity:** The IDP offers students the opportunity to develop an interdisciplinary degree specifically designed to meet their educational goals. This flexible program allows for systematic advising, teaching, learning, and assessment for the student and program.
2. **Cultural and Ethical Integrity:** The IDP helps students to be well-educated, critically- thinking community members who consider actions in terms of ethical behavior and positively contribute to society, as well as participate in policy evaluation in meaningful ways. The IDP seeks to challenge students to reach beyond previous knowledge and skills.
3. **Transformative Learning:** The IDP provides students with the opportunity to develop a unique, individualized program of study that encourages students to take responsibility for their own learning as well as develop as life-long learners.
4. **Entrepreneurship:** The IDP provides students with opportunities to investigate, develop, and communicate ideas that are new and innovative.

While generally no specified major courses are required for the Individualized Degree Program 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 Individualized Degree Program:

- Individualized Degree Program may not be considered as a minor to any other degree program.
- Individualized Degree Program may not be considered as a second major with any other degree program.
- The Bachelor of Science with a major in Individualized Degree Program will be awarded only to students who have not declared a major in another program of study.
- The Bachelor of Science with a major in Individualized Degree Program will not be awarded concurrently with any other major.

## Bachelor of Science - Individualized Degree Program 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 Individualized Degree Program:

### Applicable General University Requirements

Students earning the Bachelor of Science (BS) degree with a major in Individualized Degree Program 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
	CIS 146 Microcomputer Applications <u>or</u> ITE 301 Problem Solving with Computers	3
	<b>Total Major Prerequisite Requirement Hours:</b>	<b>3</b>
	<b>Total General Education and Major Prerequisite Requirement Hours:</b>	<b>44</b>

### Professional Course Requirements

	Course	Hours
	HU 301 Introduction to Individualized Degree Program	3
	UNV 300 Pathways to Success	3
	General Electives (At least 41 hours must be 300/400 level)	50
	HU 450 Individualized Degree Program Capstone Seminar	3
	UNV 400 Career Seminar	1
	<b>Total Professional Requirement Hours:</b>	<b>60</b>

### General Electives

	Elective hours as needed to meet minimum 124 hour requirement and all other general University requirements	20
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		Hours
	<b>Total Minimum Hours Required for Completion of Individualized Degree Program Major</b>	<b>124</b>

## INFORMATION TECHNOLOGY (ITE)

The B.S. in Information Technology degree program is accredited by the Computing Accreditation Commission of ABET, <https://www.abet.org>.

A degree in Information Technology provides 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.

Students pursuing an Information Technology degree must choose to follow one of three concentrations: Applied Information Technology, Computer Networking, or Health Information Technology.

The Applied Information Technology concentration allows for flexibility in a student's degree. The concentration is adaptable by requiring the student to select a minor that will have focus to further prepare them to meet their career goals at the time of graduation. The Applied Information Technology concentration 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 concentration focuses on the technical aspects of computer networking. The goal of this curriculum is to prepare the students to be able to analyze, and design the different network architectures and security architectures that must be in place. Students will also learn the importance of using different network technologies to be able to protect data. The goal of this curriculum is to prepare the student for industry as a technically oriented member of an information technology support team or to take on the individual role of a network administrator.

The Health Information Technology concentration focuses on the technical aspects in relation to the medical field. The goal of this curriculum is to prepare the students to be able to analyze, collect, and protect patient information and medical records in addition to gaining knowledge Information Technology as its foundation. The goal of this curriculum is to prepare the student for industry as a technically oriented member of a health information technology team

The Information Technology program adheres to the following requirements related to course substitutions for all Information Technology concentrations:

- Introduction to Information Systems and BASIC Programming courses will not satisfy professional elective requirements in either of the ITE options.
- "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 other courses.
- Computer certification examinations will not substitute for any required or elective coursework.

### Information Technology Program Student Outcomes:

1. Analyze a complex computing problem and to apply principles of computing and other relevant disciplines to identify solutions.
2. Design, implement, and evaluate a computing-based solution to meet a given set of computing requirements in the context of the program's discipline.
3. Communicate effectively in a variety of professional contexts.
4. Recognize professional responsibilities and make informed judgments in computing practice based on legal and ethical principles.
5. Function effectively as a member or leader of a team engaged in activities appropriate to the program's discipline.
6. Use systematic approaches to select, develop, apply, integrate, and administer secure computing technologies to accomplish user goals.

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

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

- PO1. Are academically prepared to continue to graduate study or advance in their workplace,
- PO2. Are skilled, competent, and capable of contributing to the workforce in their specialty,
- PO3. 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,
- PO4. Model high ethical standards within the community and profession,
- PO5. 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**

<b>Area</b>	<b>Discipline/Course</b>	<b>Hours</b>
<b>I</b>	<b>Written Composition</b>	<b>6</b>
<b>II</b>	<b>Humanities/Fine Arts (12 hours total)</b>	
	At least one fine arts course	<b>3</b>
	At least one literature course*	<b>3</b>
	Other courses in humanities or fine arts	<b>6</b>
<b>III</b>	<b>Mathematics and Natural Sciences (11 hours total)</b>	
	Precalculus Algebra <b>or</b> Precalculus Trigonometry <b>or</b> Precalculus Algebra and Trigonometry	<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>
Calculus I <b>or</b> Business Calculus	<b>3-4</b>
Statistics Course (BUS 271, MTH 265, GBA 305 <b>or</b> MA 331)	<b>3</b>
Computer Programming Course	<b>3</b>
<b>Total Major Prerequisite Requirement Hours:</b>	<b>9-10</b>
<b>Total General Education and Major Prerequisite Requirement Hours:</b>	<b>50-51</b>



## Professional Course Requirements

	Computer Science Core Courses	Hours
	CS 317 Computer Science I <b>or</b> sufficient score on Placement Exam	0-3
	CS 318 Computer Science II	3
	CS 309/309L Introduction to Digital Logic Design and Digital Design Lab	4
	CS 310 Professional Ethics of Computing	1
	CS 372 Data Structures	3
	CS 380 Programming for the Web	3
	MA 308 Discrete Mathematics	3
Computer Networking Core Courses		
	ITE 305 Networking Fundamentals	2
	ITE 306 Local Area Networks	2
Information Technology Core Courses		
	ITE 315 Scripting Languages and System Administration	3
	ITE 321 Systems Analysis and Design	3
	ITE 327/327L Database Systems and Database Systems Lab	4
	ITE 420 Fundamentals of Information Security	3
	ITE 441 Systems Integration and Architecture	3
	ITE 450 Human Computer Interaction	3
Student Success Courses		
	UNV 300 Pathways to Success	3
	UNV 400 Career Seminar (Students <b>must</b> register for the UNV 400 section that is taught by the designated CS /ITE professor)	1
Capstone Experience Courses		
	ITE 451 Software Engineering	3
	ITE 452 Senior Software Engineering Project	3
	<b>Total Professional Requirement Hours:</b>	<b>50-53</b>

## Additional Program Requirements

In addition to the Professional Courses above, Information Technology students must complete **one of the following**:

- The Concentration in Applied Information Technology (requires completion of a minor), **OR**
- The Concentration in Computer Networking, **OR**
- The Concentration in Health Information Technology.

Concentration: Applied Information Technology		
	Information Technology Core Courses	Hours
	ITE 365 Visual Application Development <b>or</b> ITE 367 Enterprise Application Development <b>or</b> ITE 382 Mobile Device Software Development	3
Approved Elective Courses		
	Select courses from the following (minimum 6 credit hours required, courses listed are 3 semester hours unless otherwise noted): ITE 307 Wide Area Networks (2 hrs.) ITE 308 Network Architectures (2 hrs.) ITE 365* Visual Application Development ITE 367* Enterprise Application Development ITE 382* Mobile Device Software Development * <i>must be different from class taken for ITE Core Course</i> ITE 371 Health Information Technology Concepts and Practices ITE 405 Internetworking Devices (2 hrs.) ITE 406 The Internet (2 hrs.) ITE 407 Network Processes and Protocols (2 hrs.) ITE 408 Enterprise Network Design and Management (2 hrs.) ITE 421 Digital Forensics Any 400-level Computer Science Course	6
	<b>Required Minor with approval from advisor</b>	<b>18</b>
	<b>Total Concentration Requirement Hours:</b>	<b>27</b>

<b>Concentration: Computer Networking</b>		
	<b>Computer Science Core Courses</b>	<b>Hours</b>
	CS 340 Introduction to Assembly Language and Computer Organization	<b>3</b>
	CS 409 Computer Organization and Architecture	<b>3</b>
	CS 415 Operating Systems	<b>3</b>
<b>Computer Networking Core Courses</b>		
	ITE 307 Wide Area Networks	<b>2</b>
	ITE 308 Network Architecture	<b>2</b>
	ITE 405 Internetworking Devices	<b>2</b>
	ITE 406 The Internet	<b>2</b>
	ITE 407 Network Processes and Protocols	<b>2</b>
	ITE 408 Enterprise Network Design & Management	<b>2</b>
	ITE 409/409L Network Security and Network Security Lab	<b>4</b>
<b>Approved Elective Course</b>		
	Select a course from the following (courses listed are 3 semester hours unless otherwise noted): ITE 365 Visual Application Development ITE 367 Enterprise Application Development ITE 371 Health Information Technology Concepts and Practices ITE 382 Mobile Device Software Development ITE 421 Digital Forensics ITE 471 Information and Communication Systems in Health Care <i>Any 400-level Computer Science Course</i>	<b>3</b>
<b>Total Concentration Requirement Hours:</b>		<b>28</b>

<b>Concentration: Health Information Technology</b>		
	<b>Information Technology Core Courses</b>	<b>Hours</b>
	ITE 371 Health Information Technology Concepts and Practices	<b>3</b>
	ITE 471 Information and Communication Systems in Health Care	<b>3</b>
<b>Health Science and Health Care Courses</b>		
	HCM 340 Introduction to Health Care Systems	<b>3</b>
	HS 320 Biomedical Ethics	<b>3</b>
	HS 455 Health Care Administration Internship	<b>3</b>
<b>Approved Elective Courses</b>		
	Select courses from the following (minimum 12 credit hours required, courses listed are 3 semester hours unless otherwise noted): ITE 365 Visual Application Development ITE 367 Enterprise Application Development ITE 382 Mobile Device Software Development ITE 421 Digital Forensics <i>Any 400-level Computer Science Course</i>	<b>12</b>
<b>Total Concentration Requirement Hours:</b>		<b>27</b>

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

	<b>Hours</b>
<b>Total Minimum Hours Required for Completion of the Information Technology Major with Concentration in Applied Information Technology or Health Information Technology</b>	<b>127-131</b>

	<b>Hours</b>
<b>Total Minimum Hours Required for Completion of the Information Technology Major with Concentration in Computer Networking</b>	<b>128-132</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:**

- 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	<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>	
	Precalculus Algebra	3
	Natural Sciences (lab based) (calculus-based Physics I and II recommended)	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
Precalculus Trigonometry	3
Calculus I, II, and III	12
CIS 146 Microcomputer Applications or ITE 301 Problem Solving with Computers	3
<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

	<b>Course</b>	<b>Hours</b>
	UNV 300 Pathways to Success	<b>3</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>
	UNV 400 Career Seminar	<b>1</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 422 Operations Research and MA 423 Numerical Analysis. 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 380 Topics in Secondary Mathematics ( <b>limited to students seeking teaching licensure and certification</b> ) MA 401 Complex Variables MA 422 Operations Research 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>37</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. The Mathematics major with a minor in Education is required to take the Praxis II Mathematics Content Test.

### **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>10</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>
	<b>Total Major Prerequisite Requirement Hours:</b>	<b>15</b>
	<b>Total General Education and Major Prerequisite Requirement Hours:</b>	<b>56</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 380 Topics in Secondary Mathematics ( <b>required for students seeking teaching licensure and certification</b> ) MA 401 Complex Variables MA 422 Operations Research 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
	UNV 300 Pathways to Success	3
	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
	SC 331 Classroom Management in Secondary Education	3
	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>
	UNV 400 Career Seminar	1
	<b><u>SC 486 Internship in High School Education</u></b>	<b>4-12</b>
	<b>Total Professional Studies Requirement Hours:</b>	<b>32</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	<b>3</b>

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

## NURSING

The Bachelor of Science in Nursing program is intended for registered nurses (RNs) who have successfully completed an accredited diploma or an Associate Degree in Nursing (ADN) program and are already licensed to practice as an RN in their home state. The program is designed to prepare knowledgeable professionals whose care reflects evidence-based and ethical practice in the nursing profession. In addition to baccalaureate-level nursing content, the program will include content in healthcare management and leadership designed to support RNs in advancing their careers in nursing.

**Note:** All admitted students must have completed an Associate Degree in Nursing program and hold a current license to practice as an RN in Alabama or another state.

### Bachelor of Science in Nursing - Nursing 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 in Nursing degree with a major in Nursing:

#### Applicable General University Requirements

Students earning the Bachelor of Science in Nursing (BSN) degree with a major in Nursing 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>	
	ENG 101 English Composition	3
II	<b>Humanities/Fine Arts (6 hours total)</b>	
	SPH 106 Fundamentals of Oral Communication <b>OR</b> SPH 107 Fundamentals of Public Speaking	3
	Other course in humanities	3
III	<b>Mathematics and Natural Sciences (12 hours total)</b>	
	BIO 201/202 Human Anatomy and Physiology I and II	8
	BIO 220 Microbiology	4
IV	<b>History/Behavioral and Social Sciences (3 hours total)</b>	
	PSY 210 Human Growth and Development	3
<b>Total General Education Requirement Hours:</b>		<b>24</b>

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

	Discipline/Course	Hours
	EH 301 Advanced Composition	3
	ITE 301 Problem Solving with Computers	3
	Humanities and Fine Arts (to include 1 Literature Course)*	6
	History, Behavioral and Social Sciences (to include 1 History course)*	6
	Economics (EC 310, EC 320 <b>or</b> EC 348 recommended)	3
	MA 301 Precalculus Algebra	3
	PS 341 Statistics With Advanced Topics In Behavioral Science	3
	<b>*Must have a sequence of either 2 Literature courses <u>or</u> 2 History courses. Please consult your advisor for options.</b>	
<b>Total Major Prerequisite Requirement Hours:</b>		<b>27</b>
<b>Total General Education and Major Prerequisite Requirement Hours:</b>		<b>51</b>



**Professional Course Requirements**

	<b>Course</b>	<b>Hours</b>
	UNV 300 Pathways to Success	<b>3</b>
	HCM 340 Introduction to Health Care Systems	<b>3</b>
	HCM 345 Management of Health Care Organizations	<b>3</b>
	HS 355 Health Policy in the U.S.	<b>3</b>
	HCM 356 Legal and Ethical Issues in Health Care Management	<b>3</b>
	HS 380 Essentials of Health Care Finance	<b>3</b>
	HS 481 Health Care Quality Assurance, Risk Management and Utilization Review	<b>3</b>
	NUR 370 Healthcare Informatics	<b>3</b>
	NUR 410 Community Health Management	<b>3</b>
	NUR 440 Leadership in Practice	<b>3</b>
	NUR 460 Nursing Capstone	<b>3</b>
	UNV 400 Career Seminar	<b>1</b>
	<b>Total Professional Requirement Hours:</b>	<b>34</b>

A minor is not required.

**General Electives**

	Elective hours as needed to meet minimum 124-hour requirement and all other general University requirements. (Students may use hours from 100-, 200-level coursework taken for Associate Degree leading to RN; however, <b>per University policy, no more than 64 hours of community college credit can be applied towards a bachelor's degree.</b> )	<b>39</b>
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		<b>Hours</b>
	<b>Total Minimum Hours Required for Completion of Bachelor of Science in Nursing – Nursing Major</b>	<b>124</b>

## PSYCHOLOGY (PS)

In accordance with the tenets for authentic learning in psychology established by the American Psychological Association, the Psychology Program at Athens State University is committed to guiding students to become psychologically literate citizens of the 21st century by providing a broad and balanced understanding of psychology as a social and natural science. Students gain knowledge, skills, and values consistent with the science and application of psychological principles. The program emphasizes the value of psychology for developing insight into one's own and others' behavior and mental processes. In addition, the program focuses on recognizing, understanding, and respecting the complexity of sociocultural diversity.

Students pursuing a Psychology degree are prepared to enter a variety of careers such as mental health, social service, counseling, or advocacy. In addition, the degree prepares students for graduate studies in a many subfields of psychology.

### 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
	PSY 200 General Psychology <u>or</u> any upper-level (300/400) psychology course	<b>3</b>
	CIS 146 Microcomputer Applications <u>or</u> ITE 301 Problem Solving with Computers	<b>3</b>
	<b>Total Major Prerequisite Requirement Hours:</b>	<b>6</b>
	<b>Total General Education and Major Prerequisite Requirement Hours:</b>	<b>47</b>

### **Professional Course Requirements**

	<b>Course</b>	<b>Hours</b>
	UNV 300 Pathways to Success	<b>3</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>
	UNV 400 Career Seminar	<b>1</b>
	Psychology electives (300/400 level)	<b>12</b>
	<b>Total Professional Requirement Hours:</b>	<b>43</b>

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

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

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

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

### **General Electives**

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

<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>
	PSY 200 General Psychology <b>or</b> any upper-level (300/400) psychology course	<b>3</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>6</b>
	<b>Total General Education and Major Prerequisite Requirement Hours:</b>	<b>47</b>

### **Professional Course Requirements**

	<b>Course</b>	<b>Hours</b>
	UNV 300 Pathways to Success	<b>3</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>
	UNV 400 Career Seminar	<b>1</b>
	Psychology electives (300/400 level)	<b>12</b>
	<b>Total Professional Requirement Hours:</b>	<b>43</b>

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

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

**A minor is not required.**

### **General Electives**

	Elective hours as needed to meet minimum 124 hour requirement and all other general University requirements	<b>34</b>
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		<b>Hours</b>
	<b>Total Minimum Hours Required for Completion of Psychology Major</b>	<b>124</b>

## PUBLIC SAFETY AND HEALTH ADMINISTRATION (PSHA)

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

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

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

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

#### Applicable General University Requirements

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

#### General Education Requirements

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

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

	Discipline/Course	Hours
	CIS 146 Microcomputer Applications <b>or</b> ITE 301 Problem Solving with Computers	<b>3</b>
	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, Nursing, or Wastewater Management (WMT)	<b>19</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 Course Requirements**

	<b>Course</b>	<b>Hours</b>
	UNV 300 Pathways to Success	<b>3</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>
	PS/SO 342 Methods of Behavioral Science Research <b>or</b> HPE/HWM 401 Measurement and Evaluation	<b>3</b>
	SO 351 American Public Policy/Political Sociology	<b>3</b>
	PSHA 349 Human Resources Management	<b>3</b>
	PSHA 350 Introduction to the American Legal System	<b>3</b>
	PSHA 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 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>
	UNV 400 Career Seminar	<b>1</b>
	<b>Total Professional Requirement Hours:</b>	<b>44</b>

A minimum of 27 semester hours of upper division 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>17</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 examines sacred texts of different religious traditions, the relationship between religion and culture, the historical and literary aspects of 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 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
REL 151 Survey of the Old Testament <u>or</u> REL 152 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
<b>Total Major Prerequisite Requirement Hours:</b>	<b>6</b>
<b>Total General Education and Major Prerequisite Requirement Hours:</b>	<b>47</b>



### Professional Course Requirements

	Course	Hours
	UNV 300 Pathways to Success	3
	REL 100 History of World Religions <u>or</u> RE 301 Religions That Shaped the World	3
	PH 300 Moral Values in Today's Society	3
	REL 101 Survey of Church History I <u>or</u> REL 102 Survey of Church History II <u>or</u> RE 401 History of Judaism <u>or</u> RE 402 History of Islam <u>or</u> HY 310 History of American Religion	3
	RE 308 Essentials of Biblical Studies	3
	RE 327 Sociology of Religion	3
	RE 351 Introduction to Christian Thought	3
	RE 409 Christian Thought in Early Centuries <u>or</u> RE 412 The Hebrew Prophets <u>or</u> RE 413 Psalms and Wisdom Literature	3
	RE 416 Interpreting the Text	3
	RE 464 Religious Studies Capstone Course	1
	UNV 400 Career Seminar	1
	Electives from the Area of Religion <u>or</u> Philosophy at the 300/400 level	9
	<b>Total Professional Requirement Hours:</b>	<b>38</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). 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)	21
	General Electives (without a minor)	39

		Hours
	<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>
	POL 211 American National 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>
	<b>Total Major Prerequisite Requirement Hours:</b>	<b>24</b>
	<b>Total General Education and Major Prerequisite Requirement Hours:</b>	<b>65</b>

### **Professional Course Requirements**

	<b>Course</b>	<b>Hours</b>
	UNV 300 Pathways to Success	<b>3</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>
	SO 351 American Public Policy/Political Sociology	<b>3</b>
	SS 453 International Relations: America and the World	<b>3</b>
	HY/GO 340 South America, Africa and Asia	<b>3</b>
	UNV 400 Career Seminar	<b>1</b>
	<b>Total Professional Requirement Hours:</b>	<b>37</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>22</b>

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

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

This option within the history and social science majors is designed particularly for students interested in working for historic sites, museums, and archives. It is intended to provide students with practical experience for the public history profession. Public history courses and internships prepare students for careers related to public history and/or admission to graduate programs in archives and public history. **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>
	POL 211 American National 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>
	<b>Total Major Prerequisite Requirement Hours:</b>	<b>24</b>
	<b>Total General Education and Major Prerequisite Requirement Hours:</b>	<b>65</b>

### **Professional Course Requirements**

	<b>Course</b>	<b>Hours</b>
	UNV 300 Pathways to Success	<b>3</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>
	SO 351 American Public Policy/Political Sociology	<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>
	UNV 400 Career Seminar	<b>1</b>
	<b>Total Professional Requirement Hours:</b>	<b>37</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>22</b>

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

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

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

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

### **Applicable General University Requirements**

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

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

### **General Education Requirements**

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

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

	<b>Discipline/Course</b>	<b>Hours</b>
	Western Civilization I and II <b>or</b> World History I and II (must be taken as a sequence)	<b>6</b>
	HIS 260 Alabama History <b>or</b> HY 302 Alabama History	<b>3</b>
	POL 211 American National Government	<b>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>
	<b>Total Major Prerequisite Requirement Hours:</b>	<b>21</b>
	<b>Total General Education and Major Prerequisite Requirement Hours:</b>	<b>62</b>

## Teaching Field 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>
	<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>
	SO 351 American Public Policy/Political Sociology	<b>3</b>
	SS 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)

	<b>Course</b>	<b>Hours</b>
	UNV 300 Pathways to Success	<b>3</b>
	ED 301 Introduction to Teaching	<b>1</b>
	ED 302 Foundations of Education	<b>3</b>
	ED 305 Technology & Media in Education (fulfills CIS 146 major/degree prerequisite requirement in Social Science major)	<b>3</b>
	SC 331 Classroom Management in Secondary Education	<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>
	UNV 400 Career Seminar	<b>1</b>
	<b><u>SC 486 Internship in High School Education</u></b>	<b>4-12</b>
	<b>Total Professional Studies Requirement Hours:</b>	<b>32</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>127</b>



## SOCIOLOGY (SO)

The Sociology Program at Athens State University provides a broad and balanced view of sociology as a social and natural science. Students gain a deep understanding of how society works and develop the knowledge, skills, and values consistent with the science and application of sociological principles. The program emphasizes the value of sociology for developing insight into one's own and others' behavior at the institutional level. In addition, the program focuses on recognizing, understanding, and respecting the complexity of sociocultural diversity.

Students pursuing a Sociology degree are prepared to enter a variety of careers in the helping professions. In addition, the degree prepares students for graduate studies in many subfields of sociology.

### 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	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
	CIS 146 Microcomputer Applications <u>or</u> ITE 301 Problem Solving with Computers	3
	SOC 200 Introduction to Sociology <u>or</u> any upper-level (300/400) sociology course	3
	<b>Total Major Prerequisite Requirement Hours:</b>	<b>6</b>
	<b>Total General Education and Major Prerequisite Requirement Hours:</b>	<b>47</b>

**Professional Course Requirements**

	<b>Course</b>	<b>Hours</b>
	UNV 300 Pathways to Success	<b>3</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>
	UNV 400 Career Seminar	<b>1</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 360 Race, Criminality, and Social Justice CJ 401 Adult Corrections CJ 452 Advanced Criminology CJ 453 Juvenile Delinquency GO 300 World Regional Geography 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>40</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>19</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>
	SOC 200 Introduction to Sociology <u>or</u> any upper-level (300/400) sociology course	<b>3</b>
	<b>Total Major Prerequisite Requirement Hours:</b>	<b>6</b>
	<b>Total General Education and Major Prerequisite Requirement Hours:</b>	<b>47</b>

**Professional Course Requirements**

	<b>Course</b>	<b>Hours</b>
	UNV 300 Pathways to Success	<b>3</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>
	UNV 400 Career Seminar	<b>1</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 360 Race, Criminality, and Social Justice CJ 401 Adult Corrections CJ 452 Advanced Criminology CJ 453 Juvenile Delinquency GO 300 World Regional Geography 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>40</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>37</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 Programs

### Biblical Studies

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

	Course	Hours
	RE 308 Essentials of Biblical Studies	3
	RE 409 Christian Thought in Early Centuries	3
	RE 412 The Hebrew Prophets <u>or</u> RE 413 Psalms and Wisdom Literature	3
	<b>Total Required Hours:</b>	<b>9</b>

### 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):

	Course	Hours
	CA 301 Perspectives on Child Maltreatment & Child Advocacy	3
	CA 302 Global Child Advocacy Issues	3
	CA 401 Child Advocacy II: Professional and System Responses to Child Maltreatment	4
	CA 402 Mock Cases and Simulations Practicum	1
	<b>Total Required Hours:</b>	<b>11</b>

### Health Care Administration

Requirements for the Certificate in Health Care Administration (a grade of “C” or better must be achieved on all required courses; please consult course descriptions for possible prerequisites):

	Course	Hours
	HS 355 Health Policy in the U. S.	3
	HS 380 Essentials of Health Care Finance	3
	HS 481 Health Care Quality Assurance, Risk Management, and Utilization Review	3
	HCM 340 Introduction to Health Care Systems <u>or</u> HS 455 Health Care Administration Internship	3
	<b>Total Required Hours:</b>	<b>12</b>

### Information Security

Requirements for the Certificate in Information Security (a grade of “C” or better must be achieved on all required courses; please consult course descriptions for possible prerequisites):

	Course	Hours
	ITE 409/409L Network Security and Network Security Lab	4
	ITE 420 Foundations of Information Security	3
	ITE 421 Digital Forensics	3
	CS 454 System Security Management	3
	CS 484 Applied Cryptography and System Security	3
	<b>Total Required Hours:</b>	<b>16</b>

## **Interactive Design**

This program consists of 4 courses that prepare students to create websites, interface, and experience designs. Students will learn UI/UX design, digital media design, and web development for multimedia applications. The program will emphasize user research and visual design for effective digital communication and usability. Requirements for the Certificate in Interactive Design (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>
	AR 302 Adobe Photoshop Essentials	<b>3</b>
	CS 307 Foundations of Web Development	<b>3</b>
	ITE 350 UX Design	<b>3</b>
	AR 405 Interface Design	<b>3</b>
	<b>Total Required Hours:</b>	<b>12</b>

## **Pastoral Leadership**

Requirements for the Certificate in Pastoral Leadership (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>
	RE 320 Church Management and Finances	<b>3</b>
	RE 410 Leading Change in Faith Communities and Other Non-Profits	<b>3</b>
	RE 426 Social Change and Transformational Leadership	<b>3</b>
	<b>Total Required Hours:</b>	<b>9</b>

# College of Business

**Gary Valcana, M.B.A., (ABD), SPHR, SHRM-SCP – Interim 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.

Program Name	Degree(s) Available	Minor Available	Certificate Available
Accounting (no minor required)	BS	Yes	Yes
Accounting (with required minor)	BS		
Acquisition and Contract Management	BS	Yes	Yes
Advanced Manufacturing Management	BS	Yes	
Aerospace Systems Management		Yes	
Aviation Management			Yes
Business Administration (open to non-business majors only)		Yes	
Enterprise Systems Management		Yes	
Finance		Yes	
Forensic Accounting		Yes	
Government Contract Accounting			Yes
Health Care Management	BS	Yes	
Human Resource Management	BS	Yes	Yes
Information Systems Management		Yes	
International Business		Yes	
Logistics and Supply Chain Management	BS	Yes	Yes
Management (no minor required)	BS		
Management (with required minor)	BS		
Management of Cybersecurity Operations	BS	Yes	Yes
Management of Technology (no minor required)	BS		Yes
Management of Technology (with required minor)	BS		
Marketing		Yes	Yes
Occupational Health and Safety Management	BS		
Operations Management		Yes	
Project Management		Yes	Yes
SAP Certificate			Yes
Small Business/Entrepreneurship (not open to Accounting with Minor majors)		Yes	
Tailored Business Minor (open to business majors only)		Yes	

The current listings of [Faculty and Staff in the College of Business](#) and [Faculty and Staff in the University Library](#) can be found on the Athens State University website.

## **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, advanced manufacturing management, human resource management, information assurance, logistics and supply chain management, management, management of technology, and occupational health and safety management. 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. A post-test will be administered in the capstone course, MG 420 Business Policy, which should be taken during a student's last term. An external benchmark post exam is administered in MG 480 Seminar in Business. 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, MG 346, MG 350, MG 352, MG 390, MG 420, MG 480, and MK 331). Specified assignments 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 Student Success Coach for the College of Business. After a student's transcript(s) 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 an 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 during the first term in which they are eligible to take the course at Athens State University.

#### **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). This course is taken at the end of a student's program. An external benchmark exam (post) is administered, and the electronic portfolio in LiveText is completed.

#### **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.
- 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 from a community college, excluding remedial courses (all courses taken will be transferred in but only 64 semester hours from a community college will be applicable toward an undergraduate 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.**
- 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.**
- 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.
- Apply no more than 64 semester hours of non-traditional/non-graded college credit toward the degree.
- 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, industry accounting, internal auditing, forensic accounting, 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 accounting hours 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 required)

**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.** A business knowledge “pretest” is administered in MG 320 Organizational Communication. All accounting majors must also take an accounting-specific “pretest” in AC 321 Intermediate Accounting I during the first term in which they are eligible to take the course at Athens State University.

	<b>Course</b>	<b>Hours</b>
	UNV 300 Pathways to Success	<b>3</b>
	MG 320 Organizational Communication ( <i>MUST be taken 1st semester</i> ) <b>or</b> BUS 215 Business Communications	<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>1</b>
	UNV 400 Career Seminar	<b>1</b>
	<b>Total Professional Requirement Hours:</b>	<b>65</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 earn an acceptable score on an accounting-specific assessment exam in AC 471 Cost Accounting containing questions dealing with the accounting skills and competencies included in the curriculum.

		<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 Intermediate Accounting I	AC 312 Law for Accountants
AC 322 Intermediate Accounting II	AC 361 Federal Tax Accounting I
AC 323 Intermediate Accounting III	AC 362 Federal Tax Accounting II
AC 431 Advanced Accounting	AC 401 Auditing
AC 435 Governmental Accounting	AC 442 Advanced Auditing and Fraud Examination
AC 471 Cost Accounting	

**For students seeking additional hours in accounting to meet CPA requirements, the following courses are also available:**

- AC 303 Management Decision Support Systems
- AC 411 Government Contract Accounting I
- AC 412 Government Contract Accounting II
- AC 441 Special Topics in Accounting
- AC 451 Forensic Accounting I
- AC 452 Forensic Accounting II

**For students seeking additional hours in business to meet CPA requirements, the following courses are recommended:**

- GBA 314 Business Ethics
- MG 346 Principles of Management
- MG 350 Financial Management
- MG 352 International Business
- MG 390 Operations Management
- MG 420 Business Policy

Further recommendations and guidance can be provided by an Accounting faculty advisor. For additional information on the CPA requirements in the State of Alabama, see the Alabama State Board of Public Accountancy website at <https://www.asbpa.alabama.gov>.

## **Bachelor of Science – Accounting (with required 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 accounting hours 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**

<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 or the equivalent	<b>3</b>
	Natural sciences (lab-based)	<b>8</b>
<b>IV</b>	<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 <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.** A business knowledge “pretest” is administered in MG 320 Organizational Communication. 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>
	UNV 300 Pathways to Success	<b>3</b>
	MG 320 Organizational Communication ( <i>MUST be taken 1st semester</i> ) <b>or</b> BUS 215 Business Communications	<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>1</b>
	UNV 400 Career Seminar	<b>1</b>
	<b>Total Professional Requirement Hours:</b>	<b>47</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 earn an acceptable score on 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. For details see the Minors section of this catalog.

	<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      International Business	
	Advanced Manufacturing Mgmt.      Logistics and Supply Chain Management	
	Aerospace Systems Management      Mgmt. of Cybersecurity Operations	
	Enterprise Systems Management      Marketing	
	Finance      Operations Management	
	Forensic Accounting      Project Management	
	Health Care Management      Tailored Business Minor (must be approved by advisor)	
	Human Resource Management	
	Information Systems Management	
	<b>Total Minor Requirement Hours:</b>	<b>18</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.** A business knowledge “pretest” is administered in MG 320 Organizational Communication. All Acquisition and Contract Management (ACM) majors must also take an ACM-specific “pretest” while they are enrolled in ACM 394 Introduction to Acquisition and Contract Management.

	<b>Course</b>	<b>Hours</b>
	UNV 300 Pathways to Success	<b>3</b>
	MG 320 Organizational Communication ( <i>MUST be taken 1st semester</i> ) <b>or</b> BUS 215 Business Communications	<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> EC 320 International Economics and Trade	<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>1</b>
	UNV 400 Career Seminar	<b>1</b>
	Electives (Selected from ESM, ISM, LSM courses)	<b>6</b>
	<b>Total Professional Requirement Hours:</b>	<b>65</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. Acquisition and Contract Management majors should also complete a major-specific assessment exam in ACM 400 Advanced Acquisition and Contract Research/Project containing questions dealing with knowledge of contract management skills and competencies included in the curriculum.

	<b>Hours</b>
<b>Total Minimum Hours Required for Completion of Acquisition and Contract Management Major</b>	<b>124</b>

## ADVANCED MANUFACTURING MANAGEMENT (AMM)

Advances in manufacturing technologies – from robotics and sensors to artificial intelligence and machine learning – are changing the way we manufacture products and the way we manage production operations. The Advanced Manufacturing Management (AMM) program provides the comprehensive knowledge of advanced manufacturing technologies, operations management and leadership, supply chain management, accounting and finance, and information systems technologies that students need to effectively lead manufacturing operations. The AMM program prepares students to help production operations compete and succeed in this dynamic business environment.

### Bachelor of Science – Advanced Manufacturing 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 Advanced Manufacturing Management:**

#### Applicable General University Requirements

Students earning the Bachelor of Science (BS) degree with a major in Advanced Manufacturing 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.** A business knowledge “pretest” is administered in MG 320 Organizational Communication.

	<b>Course</b>	<b>Hours</b>
	UNV 300 Pathways to Success	<b>3</b>
	MG 320 Organizational Communication ( <i>MUST be taken 1st semester</i> ) <b>or</b> BUS 215 Business Communications	<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>
	AMM 301 History of Manufacturing/Industry 4.0	<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 349 Human Resource Management <b>or</b> BUS 276 Human Resource Management	<b>3</b>
	MG 390 Operations Management	<b>3</b>
	MG 352 International Business <b>or</b> EC 320 International Economics and Trade	<b>3</b>
	LSM 330 Logistics and Supply Chain Management in the Global Environment	<b>3</b>
	AMM 302 Manufacturing Materials and Processes	<b>3</b>
	MG 392 Manufacturing Planning in Lean Production	<b>3</b>
	AMM 400 The Technologies of Industry 4.0	<b>3</b>
	MG 417 Management of Change <b>or</b> MG 418 Management of Technology	<b>3</b>
	MG 421 Lean Six Sigma White Belt	<b>3</b>
	OHSM 300 Creating and Maintaining a Culture of Safety	<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>1</b>
	UNV 400 Career Seminar	<b>1</b>
	<b>Total Professional Requirement Hours:</b>	<b>56</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>9</b>
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		<b>Hours</b>
	<b>Total Minimum Hours Required for Completion of Advanced Manufacturing Management Major</b>	<b>124</b>

## HEALTH CARE MANAGEMENT

The objective of the major in Health Care Management is to provide students with a program of study that will prepare them for a variety of employment opportunities in the area of health care management and provide an academic framework for future graduate study. The curriculum combines traditional business courses with specialized health care management and leadership courses.

### Bachelor of Science – Health Care 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 Health Care Management:**

#### Applicable General University Requirements

Students earning the Bachelor of Science (BS) degree with a major in Health Care 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.** A business knowledge “pretest” is administered in MG 320 Organizational Communication. All Health Care Management (HCM) majors must also take a HCM-specific “pretest” while they are enrolled in HCM 340 Introduction to Health Care Systems.

	<b>Course</b>	<b>Hours</b>
	UNV 300 Pathways to Success	<b>3</b>
	MG 320 Organizational Communication ( <i>MUST be taken 1st semester</i> ) <b>or</b> BUS 215 Business Communications	<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>
	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>
	HCM 340 Introduction to Health Care Systems	<b>3</b>
	MG 350 Financial Management	<b>3</b>
	HCM 345 Management of Health Care Organizations	<b>3</b>
	MG 352 International Business <b>or</b> EC 320 International Economics and Trade	<b>3</b>
	HCM 355 Survey of Issues in Health Care Management	<b>3</b>
	HCM 356 Legal and Ethical Issues in Health Care Management	<b>3</b>
	HCM 445 Management of Health Care Financial Resources	<b>3</b>
	HCM 455 Health Care Management Internship	<b>3</b>
	MG 390 Operations Management	<b>3</b>
	GBA 307 Quantitative Business Analysis and HR Analytics	<b>3</b>
	HS 355 Health Policy in the U.S.	<b>3</b>
	HCM 451 Strategic Planning, Practice, and Marketing in Health Care	<b>3</b>
	HCM 460 Health Care Management Senior Seminar	<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>1</b>
	UNV 400 Career Seminar	<b>1</b>
	<b>Total Professional Requirement Hours:</b>	<b>65</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. Health Care Management majors should also complete a major-specific assessment exam in HCM 460 Health Care Management Senior Seminar containing questions dealing with Health Care Management skills and competencies included in the curriculum.

		<b>Hours</b>
	<b>Total Minimum Hours Required for Completion of Health Care 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 <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.** A business knowledge “pretest” is administered in MG 320 Organizational Communication. All Human Resource Management (HRM) majors must also take a HRM-specific “pretest” while they are enrolled in MG 349 Human Resource Management.

	<b>Course</b>	<b>Hours</b>
	UNV 300 Pathways to Success	<b>3</b>
	MG 320 Organizational Communication ( <i>MUST be taken 1st semester</i> ) <b>or</b> BUS 215 Business Communications	<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>1</b>
	UNV 400 Career Seminar	<b>1</b>
	<b>Two courses from the following:</b> EC 321 Money and Banking GBA 314 Business Ethics MG 450 Strategic HR Competencies and Professional Certification 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>65</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. Human Resource Management majors should also complete a major-specific assessment exam in MG 449 Advanced Human Resource Management containing questions dealing with HR management skills and competencies included in the curriculum.

		<b>Hours</b>
	<b>Total Minimum Hours Required for Completion of Human Resource Management 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, as well as basic strategies and techniques for collaborating with supply chain partners for overall supply chain optimization. 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.** A business knowledge “pretest” is administered in MG 320 Organizational Communication. All Logistics and Supply Chain Management (LSM) majors must also take a LSM-specific “pretest” while they are enrolled in LSM 301 Introduction to Logistics and Supply Chain Management.

	Course	Hours
	UNV 300 Pathways to Success	3
	MG 320 Organizational Communication ( <i>MUST be taken 1st semester</i> ) <b>or</b> BUS 215 Business	3
	MG 302 Management Information Systems ( <i>should be taken 1st semester</i> )	3
	MG 346 Principles of Management and Leadership ( <i>should be taken 1st semester</i> ) <b>or</b> BUS 275 Principles of Management	3
	MK 331 Marketing Principles <b>or</b> BUS 285 Principles of Marketing	3
	LSM 300 Enterprise Systems and Business Processes	3
	LSM 353 Project Management	3
	MG 303 Management Decision Support Systems	3
	MG 350 Financial Management	3
	ACM 394 Introduction to Acquisition & Contract Management	3
	LSM 301 Introduction to Logistics and Supply Chain Management	3
	LSM 320 Logistics and Distribution	3
	MG 352 International Business <b>OR</b> EC 320 International Economics and Trade	3
	LSM 330 Logistics & Supply Chain Mgmt. in the Global Environment	3
	MG 390 Operations Management	3
	MG 417 Management of Change	3
	Electives (selected from ACM, ESM, ISM, LSM, or MK courses)	6
	LSM 401 Logistics and Supply Chain Integration Techniques	3
	LSM 410 Logistics and Supply Chain Strategy	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> )	1
	UNV 400 Career Seminar	1
	<b>Total Professional Requirement Hours:</b>	<b>65</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. Logistics and Supply Chain Management majors should also complete a major-specific assessment exam in LSM 410 Logistics and Supply Chain Strategy containing questions dealing with Logistics and Supply Chain Management skills and competencies included in the curriculum.

		Hours
	<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: Accounting, Acquisition & Contract Management, Advanced Manufacturing Management, Aerospace Systems Management, Enterprise Systems Management, Finance, Forensic Accounting, Government Contract Accounting, Health Care Management, Human Resource Management, Information Systems Management, International Business, Logistics and Supply Chain Management, Management of Cybersecurity Operations, 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 coursework for all of the minors may not be offered every semester, in all formats, or at all sites.

### **Bachelor of Science – Management (no minor required)**

**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 <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.** A business knowledge “pretest” is administered in MG 320 Organizational Communication.

	<b>Course</b>	<b>Hours</b>
	UNV 300 Pathways to Success	<b>3</b>
	MG 320 Organizational Communication ( <i>MUST be taken 1st semester</i> ) <b>or</b> BUS 215 Business Communications	<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>
	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>
	GBA 314 Business Ethics	<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 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>1</b>
	UNV 400 Career Seminar	<b>1</b>
	<b>Total Professional Requirement Hours:</b>	<b>56</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>9</b>
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	<b>Hours</b>
<b>Total Minimum Hours Required for Completion of Management Major (no minor required)</b>	<b>124</b>

## Bachelor of Science – Management (with required 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 a required 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.** A business knowledge “pretest” is administered in MG 320 Organizational Communication.

	Management Core Courses	Hours
	UNV 300 Pathways to Success	3
	MG 320 Organizational Communication ( <i>MUST be taken 1st semester</i> ) <b>or</b> BUS 215 Business Communications	3
	MG 302 Management Information Systems ( <i>should be taken 1st semester</i> )	3
	MG 346 Principles of Management and Leadership ( <i>should be taken 1st semester</i> ) <b>or</b> BUS 275 Principles of Management	3
	AC 315 Managerial Accounting	3
	EC 321 Money and Banking	3
	MG 303 Management Decision Support Systems	3
	MK 331 Marketing Principles <b>or</b> BUS 285 Principles of Marketing	3
	MG 350 Financial Management	3
	MG 352 International Business <b>or</b> EC 320 International Economics and Trade	3
	MG 390 Operations Management	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> )	1
	UNV 400 Career Seminar	1
	<b>Total Professional Requirement Hours:</b>	<b>38</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. For details see the Minors section of this catalog.

	Course	Hours
	Required Courses for Minor (minimum 18 hours)	18
	<b>College of Business Minor options:</b>	
	Accounting	International Business
	Acquisition & Contract Management	Logistics and Supply Chain Management
	Advanced Manufacturing Mgmt.	
	Aerospace Systems Management	Mgmt. of Cybersecurity Operations
	Enterprise Systems Management	Marketing
	Finance	Operations Management
	Forensic Accounting	Project Management
	Health Care Management	Operations Management
	Human Resource Management	Small Business/Entrepreneurship
	Information Systems 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	9
	<b>Total Minimum Hours Required for Completion of Management Major with Minor</b>	<b>124</b>

## MANAGEMENT OF CYBERSECURITY OPERATIONS (MCO)

Management of Cybersecurity Operations 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. When paired with the minor in Information Systems Management, the Management of Cybersecurity Operations major is designated as a Center of Academic Excellence in Cyber Defense (CAE-CD) with the National Security Agency (NSA) and the Department of Homeland Security (DHS). To be designated a CAE-CD, the program undergoes an exhaustive review by the NSA and DHS to ensure the program meets cyber defense and cyber governance industry and Department of Defense (DoD) practices.

Career paths for those with a Management of Cybersecurity Operations degree include; Management Information Security, Information Security Policy, Security Program Development, and Risk Management.

### Bachelor of Science – Management of Cybersecurity Operations

**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 Cybersecurity Operations:**

#### Applicable General University Requirements

Students earning the Bachelor of Science (BS) degree with a major in Management of Cybersecurity Operations 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.** A business knowledge “pretest” is administered in MG 320 Organizational Communication. All Management of Cybersecurity Operations (MCO) majors must also take a major-specific “pretest” while they are enrolled in MCO 409 Management of Cybersecurity.

	<b>Core Courses</b>	<b>Hours</b>
	UNV 300 Pathways to Success	<b>3</b>
	MG 320 Organizational Communication ( <i>MUST be taken 1st semester</i> ) <u>or</u> BUS 215 Business Communications	<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> ) <u>or</u> BUS 275 Principles of Management	<b>3</b>
	MK 331 Marketing Principles <u>or</u> BUS 285 Principles of Marketing	<b>3</b>
	MCO 409 Management of Cybersecurity	<b>3</b>
	MG 350 Financial Management	<b>3</b>
	MG 390 Operations Management	<b>3</b>
	MCO 410 Cybersecurity Administration and Operations Management	<b>3</b>
	MCO 411 Cybersecurity Strategic Management	<b>3</b>
	MCO 412 Cybersecurity Management of Business Contingency & Resilience Planning	<b>3</b>
	MCO 413 Cybersecurity Management of Systems and Product Acquisition	<b>3</b>
	MG 352 International Business <u>or</u> EC 320 International Economics and Trade	<b>3</b>
	MCO 414 Management of Cybersecurity Governance ( <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>1</b>
	UNV 400 Career Seminar	<b>1</b>
	<b>Total Professional Requirement Hours:</b>	<b>47</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. Management of Cybersecurity Operations majors should also complete a major-specific assessment exam in MCO 414 Management of Cybersecurity Governance containing questions dealing with Management of Cybersecurity Operations 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. For details see the Minors section of this catalog.

	<b>Course</b>	<b>Hours</b>
	Required Courses for Minor (18 hours minimum) <b>ONE OF THE FOLLOWING MINORS IS REQUIRED:</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>

	<b>Hours</b>
<b>Total Minimum Hours Required for Completion of Management of Cybersecurity Operations Major</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: Accounting, Acquisition & Contract Management, Advanced Manufacturing Management, Aerospace Systems Management, Enterprise Systems Management, Finance, Forensic Accounting, Government Contract Accounting, Health Care Management, Human Resource Management, Information Systems Management, International Business, Logistics and Supply Chain Management, Management of Cybersecurity Operations, 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 coursework 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 required)**

**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)**

	<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>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.** A business knowledge “pretest” is administered in MG 320 Organizational Communication. All Management of Technology majors must also take a management of technology-specific “pretest” while they are enrolled in MG 418 Management of Technology.

	<b>Management of Technology Core Courses</b>	<b>Hours</b>
	UNV 300 Pathways to Success	<b>3</b>
	MG 320 Organizational Communication ( <i>MUST be taken 1st semester</i> ) <u>or</u> BUS 215 Business Communications	<b>3</b>
	MG 302 Management Information Systems ( <i>should be taken 1st semester</i> )	<b>3</b>
	MG 303 Management Decision Support Systems	<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>
	MG 350 Financial Management	<b>3</b>
	MG 353 Project Management	<b>3</b>
	MK 331 Marketing Principles <u>or</u> BUS 285 Principles of Marketing	<b>3</b>
	MG 352 International Business <u>or</u> EC 320 International Economics and Trade	<b>3</b>
	MG 415 Technical Risk Management	<b>3</b>
	MG 390 Operations Management	<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>1</b>
	UNV 400 Career Seminar	<b>1</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. Management of Technology majors should also complete a major-specific assessment exam in MG 419 Technology Transfer and Commercialization containing questions dealing with management of technology and risk assessment 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>ADP 301 required for students that will be using prior learning credit to satisfy requirements for their MOT major</b> )	<b>21</b>
	<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 required 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 a required 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	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 or the equivalent	3
	Natural sciences (lab-based)	8
IV	History/Behavioral and Social Sciences (12 hours total)	
	Two courses in economics	6
	At least one history course*	3
	Other course in history or behavioral/social science	3
	*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 <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.** A business knowledge “pretest” is administered in MG 320 Organizational Communication. All Management of Technology majors must also take a management of technology-specific “pretest” while they are enrolled in MG 418 Management of Technology.

	<b>Management of Technology Core Courses</b>	<b>Hours</b>
	UNV 300 Pathways to Success	<b>3</b>
	MG 320 Organizational Communication ( <i>MUST be taken 1st semester</i> ) <b>or</b> BUS 215 Business Communications	<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 (Aerospace Systems 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>1</b>
	UNV 400 Career Seminar	<b>1</b>
	<b>Total Professional Requirement Hours:</b>	<b>38</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. Management of Technology majors should also complete a major-specific assessment exam in MG 419 Technology Transfer and Commercialization containing questions dealing with management of technology and risk assessment 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. For details see the Minors section of this catalog.

	<b>Course</b>	<b>Hours</b>
	Required Courses for Minor (minimum 18 hours)	<b>18</b>
	<b>College of Business Minor options:</b>	
	Accounting	International Business
	Acquisition & Contract Management	Logistics and Supply Chain Management
	Advanced Manufacturing Mgmt.	
	Aerospace Systems Management	Mgmt. of Cybersecurity Operations
	Enterprise Systems Management	Marketing
	Finance	Operations Management
	Forensic Accounting	Project Management
	Health Care Management	Operations Management
	Human Resource Management	Small Business/Entrepreneurship
	Information Systems 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>(ADP 301 required for students that will be using prior learning credit to satisfy requirements for their MOT major)</b>	<b>9</b>

		<b>Hours</b>
	<b>Total Minimum Hours Required for Completion of Management of Technology Major with Minor</b>	<b>124</b>

## OCCUPATIONAL HEALTH AND SAFETY MANAGEMENT (OHSM)

The objective of the Occupational Health and Safety Management program is to provide a hands-on, practical and applied Bachelor of Science degree. The major is designed to assure the development of competencies that enable innovative approaches in the establishment and direction of comprehensive occupational health and safety management programs in educational, governmental and private business and industrial enterprises. The curriculum emphasizes compliance with regulations and standards, hazardous materials and waste, workplace design, workplace security, fleet safety, fire abatement, emergency preparedness, incident investigation, workplace training, cost containment, environmental permitting, sustainability and improving workplace conditions that impact an employee's well-being and safety management. In addition, this major provides an academic framework for future graduate study. The Occupational Health and Safety Management degree encompasses the traditional business curriculum which includes coursework in accounting, finance, management, marketing, management information systems, global business, strategic management, and production theories/concepts.

### Bachelor of Science – Occupational Health and Safety 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 Occupational Health & Safety Management:**

#### Applicable General University Requirements

Students earning the Bachelor of Science (BS) degree with a major in Occupational Health and Safety 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.** A business knowledge “pretest” is administered in MG 320 Organizational Communication.

	Course	Hours
	UNV 300 Pathways to Success	3
	MG 320 Organizational Communication ( <i>MUST be taken 1st semester</i> ) <b>or</b> BUS 215 Business Communications	3
	MG 302 Management Information Systems ( <i>should be taken 1st semester</i> )	3
	MG 346 Principles of Management and Leadership ( <i>should be taken 1st semester</i> ) <b>or</b> BUS 275 Principles of Management	3
	OHSM 300 Creating and Maintaining a Culture of Safety	3
	OHSM 350 Risk Management and Security in the Workplace	3
	MG 349 Human Resources Management <b>or</b> BUS 276 Human Resource Management	3
	MG 350 Financial Management	3
	MK 331 Marketing Principles <b>or</b> BUS 285 Principles of Marketing	3
	OHSM 373 Hazard Analysis and Regulatory Compliance	3
	OHSM 385 Environmental Conservation Management	3
	OHSM 391 Ergonomics and Human Factors	3
	MG 352 International Business <b>or</b> EC 320 International Economics and Trade	3
	MG 390 Operations Management	3
	OHSM 405 Injury Damage Incidents Evaluation and Reporting	3
	PSHA 448 Managing the Public Safety and Health Emergency	3
	PSHA 451 Environmental Health and Regulation	3
	OHSM 422 Safety Training and Development	3
	OHSM 425 Industrial Health Technology Management	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> )	1
	MG 462 Internship in Management	2
	UNV 400 Career Seminar	1
	<b>Total Professional Requirement Hours:</b>	<b>64</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	1
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	Hours
<b>Total Minimum Hours Required for Completion of Occupational Health and Safety Management Major</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 Accounting

	Course	Hours
	AC 305 Fundamentals of Accounting I	3
	AC 306 Fundamentals of Accounting II	3
	AC 315 Managerial Accounting	3
	AC 321 Intermediate Accounting I	3
	AC 322 Intermediate Accounting II	3
	<b>Total Required Hours:</b>	<b>15</b>

### Certificate in Acquisition and Contract Management

	Course	Hours
	ACM 394 Introduction to Acquisition and Contract Management	3
	ACM 395 Acquisition and Contract Management Pricing	3
	ACM 396 Acquisition and Contract Management Administration	3
	ACM 397 Acquisition and Contract Management Negotiations	3
	ACM 398 Government Contract Law	3
	<b>Total Required Hours:</b>	<b>15</b>

### Certificate in Aviation Management

	Course	Hours
	MG 470 Introduction to Aviation Management	3
	MG 471 Aviation Law	3
	MG 472 Aviation Safety and Security Management	3
	MG 474 General Aviation Management	3
	MG 476 Federal Aviation Regulations Management	3
	<b>Total Required Hours:</b>	<b>15</b>

### Certificate in Cybersecurity Operations

	Course	Hours
	MCO 409 Management of Cybersecurity	3
	MCO 410 Cybersecurity Administration and Operations Management	3
	MCO 412 Cybersecurity Management of Business Contingency & Resilience Planning	3
	<b>Two courses from the following:</b> ISM 401 Systems Design Management ISM 403 Data Communications Management ISM 404 Managing Information Resources ISM 408 E-Commerce Systems Management	6
	<b>Total Required Hours:</b>	<b>15</b>

### Certificate in Government Contract Accounting

	Course	Hours
	AC 303 Management Decision Support Systems	3
	AC 401 Auditing	3
	AC 411 Government Contract Accounting I	3
	AC 412 Government Contract Accounting II	3
	<b>One course from the following:</b> AC 312 Law for Accountants AC 315 Managerial Accounting AC 362 Federal Tax Accounting II AC 431 Advanced Accounting AC 441 Special Topics in Accounting	3
	<b>Total Required Hours:</b>	<b>15</b>

### Certificate in Human Resource Management

	Course	Hours
	MG 349 Human Resources Management <b>Note:</b> <i>If a student is a current HR professional or has at least one year experience in HR, then a second course from the elective list may be substituted for MG 349 through the University Curriculum Adjustment process to best meet career objectives in targeted HR positions.</i>	3
	MG 410 Employment Law for Business	3
	MG 411 Compensation and Benefits	3
	MG 449 Advanced Human Resource Management	3
	<b>One course from the following:</b> MG 351 Labor/Management Relations MG 370 Performance Management in Organizations MG 450 Strategic HR Competencies and Professional Certification	3
	<b>Total Required Hours:</b>	<b>15</b>

### Certificate in Logistics and Supply Chain Management

	Course	Hours
	LSM 301 Introduction to Logistics and Supply Chain Management	3
	LSM 320 Logistics and Distribution	3
	LSM 330 Logistics and SCM in the Global Environment	3
	LSM 401 Logistics and Supply Chain Integration Techniques	3
	LSM 410 Logistics and Supply Chain Strategy	3
	<b>Total Required Hours:</b>	<b>15</b>

### Certificate in Management of Technology

	Course	Hours
	MG 353 Project Management	3
	MG 415 Technical Risk Management	3
	MG 417 Management of Change	3
	MG 418 Management of Technology	3
	MG 419 Technology Transfer and Commercialization	3
	<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 335 Integrated Marketing Communications	<b>3</b>
	MK 337 Digital Marketing	<b>3</b>
	MK 431 Marketing Research	<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

**Lee Vartanian, Ph. 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. This accreditation covers initial teacher preparation program and advanced educator preparation programs. The Council for the Accreditation of Educator Preparation (CAEP) became the sole accrediting body for educator preparation providers on July 1, 2013. Its mission is to advance equity and excellence in educator preparation through evidence-based accreditation that assures quality and supports continuous improvement to strengthen P-12 student learning. CAEP has replaced the former NCATE accreditation body. The College of Education will be hosting a CAEP accreditation visit Fall 2021.

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 (Do not lead to teacher certification)
<a href="#">Autism and Developmental Disabilities</a>		Yes	Yes
<a href="#">Early Childhood Education (P-3)</a>	BSEd	Yes	
Early Childhood/Special Education		Yes	
<a href="#">Early Childhood Teacher Assistant</a>			Yes
<a href="#">Educational Studies (Non-certification)</a>	BSEd		
<a href="#">Educational Technology</a>		Yes	Yes
<a href="#">Elementary Education (K-6)</a>	BSEd		
<a href="#">Elementary/Collaborative (K-6)</a>	BSEd		
<a href="#">English Language Learner (ELL)</a>		Yes	Yes
<a href="#">Instructional Design</a>		Yes	Yes
<a href="#">Instructional Technology</a>			Yes
Middle Level Education		Yes	
<a href="#">Health (6-12) and Physical Education (P-12)</a>	BSEd		
<a href="#">Physical Education (P-12)</a>	BSEd		
Professional Studies		Yes	
<a href="#">Special Education (Collaborative Teacher) (K-6)</a>	BSEd		
<a href="#">Special Education (Collaborative Teacher) (6-12)</a>	BSEd		
<a href="#">Technical Education – Secondary Instructor (Class B Certification)</a>	BSEd		
<a href="#">Technical Education – Early Instructor Option (Non-certification)</a>	BSEd		
<a href="#">Technical Education – Instructional Design (Non-certification)</a>	BSEd		
<a href="#">Technical Education – Military Instructor (Non-certification)</a>	BSEd		
<a href="#">Technical Education – Post-Secondary Instructor (Non-certification)</a>	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. Information about these programs can be found in the College of Arts and Sciences catalog section.

- 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)

The current listings of [Faculty and Staff in the College of Education](#) and [Faculty and Staff in the University Library](#) can be found on the Athens State University website.

## 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, Health & Physical 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: <https://www.athens.edu/academics/education/departments/tes/field-experience/>.

## 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: <https://www.athens.edu/academics/education/departments/tes/tep/>.

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: <https://www.athens.edu/academics/education/departments/tes/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. **Effective Fall 2018, successful completion of the edTPA portfolio will be required in order to pursue certification.**

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: <https://www.athens.edu/academics/education/departments/tes/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 being cleared 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:

<https://www.athens.edu/academics/education/departments/tes/praxis/>.

## 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 an institution accredited by an institutional accrediting agency recognized by the U.S. Department of Education 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: <https://www.athens.edu/academics/education/departments/tes/transfer-credits/>.

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 an 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.
- 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 from a community college, excluding remedial courses (all courses taken will be transferred in but only 64 semester hours from a community college will be applicable toward an undergraduate 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.**
- 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.**
- 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.
- Apply no more than 64 semester hours of non-traditional/non-graded college credit toward the degree.
- 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/Child Growth and Development or Child Psychology course (CHD 201, 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 (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>or</b> ER 463 Health & Safety in Early Childhood Education Programs	<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
	UNV 300 Pathways to Success	3
	ED 301 Introduction to Teaching	1
	ED 302 Foundations of Education	3
	ED 305 Technology and Media in Education	3
	ESOL 322 Second Language Acquisition	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>22</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
	ER 319 Literacy and Literature for the Young Child	3
	ER 323 Curriculum & Instruction: Primary Reading	3
	ER 324 Literacy Strategies for the Elementary/Early Childhood Classroom	1
	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
	UNV 400 Career Seminar	1
	<b>Total Teaching Field 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 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.

### General Electives

Electives:

- Must be approved by the faculty advisor
- May not include Professional Studies coursework
- May come from courses required for approved/established minors

	Elective hours as needed to meet minimum 124 hour requirement and all other general University requirements	8
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		Hours
	<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/Child Growth and Development course or Child Psychology (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
	UNV 300 Pathways to Success	3
	ED 301 Introduction to Teaching	1
	ED 302 Foundations of Education	3
	ED 305 Technology and Media in Education	3
	ESOL 322 Second Language Acquisition	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>22</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
	ER 324 Literacy Strategies for the Elementary/Early Childhood Classroom	1
	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
	UNV 400 Career Seminar	1
	<b>Total Teaching Field Requirement Hours:</b>	<b>40</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.

### General Electives

Electives:

- Must be approved by the faculty advisor
- May not include Professional Studies coursework
- May come from courses required for approved/established minors

	Elective hours as needed to meet minimum 124 hour requirement and all other general University requirements	<b>8</b>
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		Hours
	<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/Child Growth and Development course or Child Psychology (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
	UNV 300 Pathways to Success	3
	ED 301 Introduction to Teaching	1
	ED 302 Foundations of Education	3
	ED 305 Technology and Media in Education	3
	ESOL 322 Second Language Acquisition	3
	SE 301 Survey of Exceptional Learners	3
	<b><u>EL 483 Internship in Elementary Education</u></b>	3-6
	<b><u>SE 477 Internship for Collaborative K-6</u></b>	3-6
	<b>Total Professional Studies Requirement Hours:</b>	<b>22</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>	3
	<b><u>EL 424 Curriculum &amp; Instruction: Intermediate Mathematics</u></b>	3
	<b><u>EL 484 Curriculum Seminar in Elementary Education</u></b>	3
	ER 323 Curriculum & Instruction: Primary Reading	3
	ER 324 Literacy Strategies for the Elementary/Early Childhood Classroom	1
	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>	3
	SE 435 Curriculum & Instruction for Students with Moderate to Severe Disabilities	3
	UNV 400 Career Seminar	1
	<b>Total Teaching Field Requirement Hours:</b>	<b>49</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.

## General Electives

Electives:

- Must be approved by the faculty advisor
- May not include Professional Studies coursework
- May come from courses required for approved/established minors

	Hours
<b>Total Minimum Hours Required for Completion of Elementary/Collaborative (K-6) Major</b>	<b>125</b>

## Bachelor of Science in Education – Health (6-12 Certification) and Physical Education (P-12 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 in Education degree with a major in Health and Physical Education:

### Applicable General University Requirements

Students earning the Bachelor of Science in Education (B.S.Ed.) degree with a major in Health and 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
UNV 300 Pathways to Success	3
ED 301 Introduction to Teaching	1
ED 302 Foundations of Education	3
ED 305 Technology and Media in Education	3
ESOL 322 Second Language Acquisition	3
SE 301 Survey of Exceptional Learners	3
<b><u>HPE 490 Internship in Health (6-12) and Physical Education (P-12)</u></b>	<b>6-12</b>
<b>Total Professional Studies Requirement Hours:</b>	<b>22</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 355 Health-Related Fitness & Nutrition	3
HPE 357 Health Promotion for the P-12 Student	3
HPE 390 Curriculum and Instruction in Health Education I	3
HPE 400 Organization and Administration of Physical Education	3
HPE 410 Assessment in Health and Physical Education	3
HPE 421 Curriculum and Instruction in Health Education II	3
HPE 429 Early Childhood and Elementary Physical Education Curriculum	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>
UNV 400 Career Seminar	
<b>Total Teaching Field Requirement Hours:</b>	<b>46</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.

### General Electives

Electives:

- Must be approved by the faculty advisor
- May not include Professional Studies coursework
- May come from courses required for approved/established minors

	Hours
<b>Total Minimum Hours Required for Completion of Health and Physical Education Major</b>	<b>127</b>

## **Bachelor of Science in Education – Physical Education (P-12 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 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
UNV 300 Pathways to Success	3
ED 301 Introduction to Teaching	1
ED 302 Foundations of Education	3
ED 305 Technology and Media in Education	3
ESOL 322 Second Language Acquisition	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>22</b>

### Teaching Field Course Requirements

Course	Hours
HPE 321 Analysis and Teaching of Rhythms and Dance	3
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 355 Health-Related Fitness & Nutrition	3
HPE 400 Organization and Administration of Physical Education	3
HPE 410 Assessment in Health and Physical Education	3
HPE 429 Early Childhood and Elementary Physical Education Curriculum	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>
UNV 400 Career Seminar	1
<b>Total Teaching Field Requirement Hours:</b>	
	<b>40</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.

### General Electives

Electives:

- Must be approved by the faculty advisor
- May not include Professional Studies coursework
- May come from courses required for approved/established minors

Elective hours as needed to meet minimum 124 hour requirement and all other general University requirements	3
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	Hours
<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/Child Growth and Development course or Child Psychology (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
UNV 300 Pathways to Success	3
ED 301 Introduction to Teaching	1
ED 302 Foundations of Education	3
ED 305 Technology and Media in Education	3
ESOL 322 Second Language Acquisition	3
SE 301 Survey of Exceptional Learners	3
<b><u>SE 476 Internship in Collaborative Education K-6</u></b>	<b>6-12</b>
<b>Total Professional Studies Requirement Hours:</b>	<b>22</b>

### Teaching Field Course Requirements

Course	Hours
EL 321 Curriculum & Instruction: Language Arts	3
ER 323 Curriculum & Instruction: Primary Reading	3
ER 324 Literacy Strategies for the Elementary/Early Childhood Classroom	1
EL 324 Curriculum & Instruction: Primary Math	3
EL 413 Curriculum & Instruction: Intermediate Reading	3
EL 420 Curriculum and Instruction: Science	3
<b><u>EL 423 Curriculum and Instruction: Social Studies</u></b>	<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	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
<b><u>SE 425 Collaboration for Instruction and for Program Planning</u></b>	<b>3</b>
SE 435 Curriculum & Instruction for Students with Moderate to Severe Disabilities	3
SE 455 Language Development and Developmental Interactions	3
SE 495 Classroom Management and Discipline	3
UNV 400 Career Seminar	1
<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.

### General Electives

Electives:

- Must be approved by the faculty advisor
- May not include Professional Studies coursework
- May come from courses required for approved/established minors

Elective hours as needed to meet minimum 124 hour requirement and all other general University requirements	1
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	Hours
<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
UNV 300 Pathways to Success	3
ED 301 Introduction to Teaching	1
ED 302 Foundations of Education	3
ED 305 Technology and Media in Education	3
ESOL 322 Second Language Acquisition	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>22</b>

### Teaching Field Course Requirements

Course	Hours
ER 323 Curriculum & Instruction: Primary Reading	3
ER 324 Literacy Strategies for the Elementary/Early Childhood Classroom	1
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>
SE 435 Curriculum & Instruction for Students with Moderate to Severe Disabilities	3
SE 495 Classroom Management and Discipline	3
UNV 400 Career Seminar	1
<b>Total Teaching Field Requirement Hours:</b>	
	<b>41</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.

### General Electives

Electives:

- Must be approved by the faculty advisor
- May not include Professional Studies coursework
- May come from courses required for approved/established minors

Elective hours as needed to meet minimum 124 hour requirement and all other general University requirements	7
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	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: <https://www.alsde.edu>.

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>
	UNV 300 Pathways to Success	<b>3</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>19</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>
	UNV 400 Career Seminar	<b>1</b>
	<b>Total Teaching Field 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 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.

## **General Electives**

Electives:

- Must be approved by the faculty advisor
- May not include Professional Studies coursework
- May come from courses required for approved/established minors

	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 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
UNV 300 Pathways to Success	3
CE 310 Principles of Early Childhood Education	3
CE 319 Literacy and Literature for the Young Child	3
CE 330 <b>or</b> ER 330 Children's Constructions of Relationships through Arithmetic & Math Reasoning	3
CE 402 <b>or</b> 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 <b>or</b> ER 327 Classroom Management in Early Childhood Education	3
UNV 400 Career Seminar	1
<b>Total Professional Course Requirement Hours:</b>	<b>28</b>

### Early Instructor Electives – 12 Hours Required

Course	Hours
<b>Complete 12 semester hours</b> from the following (all courses listed are 3 semester hour courses unless otherwise noted):  CE 326 <b>or</b> ER 326 Assessment in Early Childhood Classrooms CE 322 Basic Principles of ELL Education <b>or</b> ESOL 322 Second Language Acquisition CA 301 Perspectives on Child Maltreatment & 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  <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	<b>12</b>
<b>Total Early Instructor Electives Requirement Hours:</b>	<b>12</b>

### Administration/Management Electives – 6 Hours Required

Course	Hours
<b>Complete 6 semester hours</b> from the following (all courses listed are 3 semester hour courses unless otherwise noted):  CHD 208 Administration of Child Development Programs ER 450 Administering/Managing Early Childhood Programs CE 303 <b>or</b> ER 303 Professional Education Communication CE 420 Parenting and Community Relations	<b>6</b>
<b>Total Administration/Management Electives Requirement Hours:</b>	<b>6</b>

## **General Electives**

Electives:

- Must be approved by the faculty advisor
- May come from courses required for approved/established minors

	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 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
	UNV 300 Pathways to Success	3
	CE 306 Introduction to Instructional Design	3
	CE 308 Information Design and Visual Literacy	3
	PS 336 Psychology of Learning <u>or</u> CE 406 Instructional Design Models & Learning Theory	3
	CE 444 Design and Instruction of Online Training	3
	MG 353 Project Management <u>or</u> MG 357 Project Detailed Scheduling and Planning	3
	ED 305 Technology and Media in Education	3
	CE 465 Instructional Design Capstone	3
	UNV 400 Career Seminar	1
	<b>Total Professional Course Requirement Hours:</b>	<b>25</b>

### Instructional Design Electives – 3 Courses Required

	Course	Hours
	Choose <b>three</b> of the following courses: CE 307 IC <sup>3</sup> Preparation CE 309 Multimedia for Lesson Development CE 408 Gamification and Advanced Lesson Design CE 430 Instructional Strategies for Adult Learners 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	9
	<b>Total Instructional Design Elective Requirement Hours:</b>	<b>9</b>

### Multimedia Development Electives – 2 Courses Required

	Course	Hours
	Choose <b>two</b> of the following courses: AR 302 Adobe Photoshop Essentials AR 303 Adobe Illustrator Fundamentals AR 333 Graphic Design AR 335 Topics in Adobe Photoshop AR 405 Interface Design AR 435 Advanced 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: DR 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>

### **General Electives**

Electives:

- Must be approved by the faculty advisor
- May come from courses required for approved/established minors

	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 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
	Minimum 23 hours from 100, 200, 300 or 400 level coursework and/or credit awarded from documented work experience (credit given for courses or work experience here may not be used in other areas)	<b>23</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

Course	Hours
UNV 300 Pathways to Success	3
CE 300 Foundations of Technical Education I	3
CE 302 History and Principles of Career/Technical Education	3
CE 430 Instructional Strategies for Adult Learners	3
CE 433 Learning Resources and Technology in Career Technical Education	3
CE 440 Testing and Evaluation in Career/Technical Education	3
UNV 400 Career Seminar	1
<b>Total Professional Course Requirement Hours:</b>	
	<b>19</b>

### Additional Electives and Practica – 30 Hours Required

Course	Hours
<p><b>Complete 30 semester hours</b> from the following (all courses listed are 3 semester hour courses unless otherwise noted):</p> <p>CE 300/400 level courses (hours vary, see course descriptions)</p> <p>EC 310 Modern Economics            EC 348 Labor Economics            EH 311 Drama Production            GBA 314 Business Ethics            MG 320 Organizational Communication            MG 346 Principles of Management and Leadership            MG 358 Project Initiation and Scope Management            MG 375 Organizational Behavior and Teambuilding            MG 413 Project Communication, Management and Leadership            MG 417 Management of Change            PS 330 Educational Psychology            PS 368 Industrial and Organizational Psychology            SO 304 Sociology of Work</p>	<b>30</b>
<b>Total Professional Electives/Practica Requirement Hours:</b>	
	<b>30</b>

### General Electives

Electives:

- Must be approved by the faculty advisor
- May come from courses required for approved/established minors

Elective hours as needed to meet minimum 124 hour requirement and all other general University requirements	<b>11</b>
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	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
	Minimum 23 hours from 100, 200, 300 or 400 level coursework and/or credit awarded from documented work experience (credit given for courses or work experience here may not be used in other areas)	<b>23</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**

Course	Hours
UNV 300 Pathways to Success	3
CE 300 Foundations of Technical Education I	3
CE 302 History and Principles of Career/Technical Education	3
CE 430 Instructional Strategies for Adult Learners	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
UNV 400 Career Seminar	1
<b>Total Professional Course Requirement Hours:</b>	
	<b>25</b>

**Additional Electives and Practica – 24 Hours Required**

Course	Hours
<p><b>Complete 24 semester hours</b> from the following (all courses listed are 3 semester hour courses unless otherwise noted):</p> <p>CE 300/400 level courses (hours vary, see course descriptions)</p> <p>EC 310 Modern Economics            EC 348 Labor Economics            EH 311 Drama Production            GBA 314 Business Ethics            MG 320 Organizational Communication            MG 346 Principles of Management and Leadership            MG 358 Project Initiation and Scope Management            MG 375 Organizational Behavior and Teambuilding            MG 413 Project Communication, Management and Leadership            MG 417 Management of Change            PS 330 Educational Psychology            PS 368 Industrial and Organizational Psychology            SO 304 Sociology of Work</p>	<b>24</b>
<b>Total Additional Electives/Practica Requirement Hours:</b>	
	<b>24</b>

**General Electives**

Electives:

- Must be approved by the faculty advisor
- May come from courses required for approved/established minors

Elective hours as needed to meet minimum 124 hour requirement and all other general University requirements	<b>11</b>
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	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
	UNV 300 Pathways to Success	<b>3</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>
	ESOL 322 Second Language Acquisition	<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>
	UNV 400 Career Seminar	<b>1</b>
	<b>Total Professional Studies Requirement Hours:</b>	<b>23</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 333, AR 335, AR 435, ED 407, ED 408, ED 409, ED 413		<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>		
	ESOL 325 Theoretical Foundations of Language Acquisitions	<b>3</b>
	ESOL 404 Materials and Methods for Teaching English Language Learners	<b>3</b>
	ESOL 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): BI 320, HPE 323, HPE 325, HPE 327, HPE 333, HPE 354, HPE 355, HPE 356, HPE 357, HPE 390, HPE 401, HPE 410, HPE 420, HPE 427, HPE 431, HPE 450, HS 320, HS 400, HS 447, HS 451	<b>24</b>
	HS 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 333, AR 335, 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>27</b>
	<b>Total Concentration Requirement Hours:</b>	<b>27</b>

### General Electives

Electives:

- Must be approved by the faculty advisor
- May come from courses required for approved/established minors

	Elective hours as needed to meet minimum 124 hour requirement and all other general University requirements	<b>14</b>

		<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 Autism and Developmental Disabilities**

	<b>Course</b>	<b>Hours</b>
	SE 460 Students on the Autism Spectrum	<b>3</b>
	SE 462 Evidence-Based Intervention Strategies for Autism and Developmental Disabilities	<b>3</b>
	SE 464 Using Behavior Analysis for Effective Teaching	<b>3</b>
	SE 466 Supporting Children & Adults with Complex Communication Needs	<b>3</b>
	<b>Total Required Hours:</b>	<b>12</b>

### **Certificate in Early Childhood Teacher Assistant**

	<b>Course</b>	<b>Hours</b>
	ER 309 Early Brain Development	<b>3</b>
	ER 310 Principles of Early Childhood Education	<b>3</b>
	ER 318 Literature in Early Childhood Education	<b>3</b>
	<b>Total Required Hours:</b>	<b>9</b>

### **Certificate in Educational Technology**

	<b>Course</b>	<b>Hours</b>
	ED 305 Technology and Media in Education (taken Fall 2011 or later)	<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>
	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>Total Required Hours:</b>	<b>12</b>

### **Certificate in English Language Learner**

	<b>Course</b>	<b>Hours</b>
	ESOL 322 Second Language Acquisition	<b>3</b>
	ESOL 325 Theoretical Foundations of Language Acquisitions	<b>3</b>
	ESOL 404 Methods and Materials for Teaching English Language Learners	<b>3</b>
	ESOL 405 Assessment of English Language Learners	<b>3</b>
	<b>Total Required Hours:</b>	<b>12</b>

### Certificate in Instructional Design

	<b>Course</b>	<b>Hours</b>
	CE 306 Introduction to Instructional Design	<b>3</b>
	CE 308 Information Design and Visual Literacy	<b>3</b>
	CE 444 Design and Instruction of Online Training	<b>3</b>
	<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 333 Graphic Design	
	AR 335 Topics in Adobe Photoshop	
	AR 435 Advanced Graphic Design	
	<b>Total Required Hours:</b>	<b>12</b>

### Certificate in Instructional Technology

	<b>Course</b>	<b>Hours</b>
	ED 305 Technology and Media in Education (taken Fall 2011 or later)	<b>3</b>
	ED 308 Curriculum Design and Assessment for the e-Classroom	<b>3</b>
	ED 411 Curriculum Integration of Technology for Secondary and Adult Learners	<b>3</b>
	CE 430 Instructional Strategies for Adult Learners	<b>3</b>
	<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. Some degree programs also require students to choose from a specific list of minors. 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>
Application Design
Art
Art History
Behavioral Science
Biology
Chemistry
Computer Forensics
Computer Networking
Computer Science
Criminal Justice
Cybersecurity – not open to Computer Science majors
Drama
English
Forensics and Investigation
Forensic Psychology
Gender/Multicultural Studies
Gerontology
Globalization
Health Fitness
History
Homeland Security and Administration
Human Development
Information Technology
Marine Science
Mathematics
Music (Recording)
Music (Vocal)
Political Science
Psychology
Public Safety and Health Administration
Religion
Sociology
Technical Theatre

<b>College of Business: Minors Available</b>
Accounting – not open to Accounting majors
Acquisition and Contract Management
Advanced Manufacturing Management
Aerospace Systems Management
Business Administration – open to non-College of Business majors only
Enterprise Systems Management

<b>College of Business: Minors Available</b>
Finance
Forensic Accounting
Government Contract Accounting
Health Care Management
Human Resource Management
Information Systems Management
International Business
Logistics and Supply Chain Management
Management of Cybersecurity Operations
Marketing
Operations Management
Project Management
Small Business/Entrepreneurship – not open to Accounting with Minor majors
Tailored Business Minor – open to College of Business majors only

<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>

## **Advanced Manufacturing Management Minor**

This minor is open to students in all majors except for students in the Advanced Manufacturing Management major option. **Please consult course descriptions for possible prerequisites.**

	<b>Course</b>	<b>Hours</b>
	AMM 301 History of Manufacturing/Industry 4.0	<b>3</b>
	AMM 302 Manufacturing Materials and Processes	<b>3</b>
	LSM 330 Logistics and Supply Chain Management in the Global Environment	<b>3</b>
	MG 349 Human Resources Management	<b>3</b>
	MG 392 Manufacturing Planning in Lean Production	<b>3</b>
	MG 421 Lean Six Sigma White Belt	<b>3</b>
	<b>Total Required Hours for Advanced Manufacturing Management Minor:</b>	<b>18</b>

## **Aerospace Systems Management Minor**

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

	<b>Course</b>	<b>Hours</b>
	MG 471 Aviation Law	<b>3</b>
	MG 472 Aviation Safety and Security Management	<b>3</b>
	MG 473 Mgt. of Air Traffic Control Fund	<b>3</b>
	MG 474 General Aviation Management <b>or</b> MG 390 Operations Management	<b>3</b>

	MG 475 Aviation Weather Management	<b>3</b>
	MG 47x Aviation Management Elective	<b>3</b>
	<b>Total Required Hours for Aerospace Systems Management Minor:</b>	<b>18</b>

### **Application Design Minor**

This minor is open to students in all majors.

	<b>Course</b>	<b>Hours</b>
	CIS 207 Advanced Programming for the Web <u>or</u> CS 307 Foundations of Web Development	<b>3</b>
	CIS 222 Database Management Systems <u>or</u> ITE 327/327L Database Systems & Lab	<b>3-4</b>
	CIS 157 Intro to Application Development with Swift <u>or</u> CS/ITE 382 Mobile Application Development	<b>3</b>
	ITE 350 UX Design	<b>3</b>
	ITE 450 Human-Computer Interaction	<b>3</b>
	AR 405 Interface Design	<b>3</b>
	<b>Total Required Hours for Application Design Minor:</b>	<b>18-19</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 333 Graphic Design <u>or</u> AR 360 Drawing and Design	<b>3</b>
	AR 423 History of Modern Art	<b>3</b>
	AR 424 Late Modern Art History	<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).

	<b>Course</b>	<b>Hours</b>
	AR 342 Art of the Ancient Americas	<b>3</b>
	AR 343 Renaissance Art History	<b>3</b>
	AR 421/RE 421 Sacred Art in History	<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 in Art	<b>3</b>
	<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.**

	<b>Course</b>	<b>Hours</b>
	SE 460 Students on the Autism Spectrum	<b>3</b>
	SE 462 Evidence-Based Intervention Strategies for Autism and Developmental Disabilities	<b>3</b>
	SE 464 Using Behavior Analysis for Effective Teaching	<b>3</b>
	SE 466 Supporting Children & Adults with Complex Communication Needs	<b>3</b>
	<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>

## **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.**

	<b>Course</b>	<b>Hours</b>
	PS 334 Adolescent Psychology	<b>3</b>
	PS 335 Adult Psychology	<b>3</b>
	SO 312 Majority/Minority Relations	<b>3</b>
	SO 362 Deviant Social Behavior	<b>3</b>
	<b>One course from this group:</b>	<b>3</b>
	PS 304 Drugs and Behavior	
	PS 352 Abnormal Psychology	
	PS 406 Physiological Psychology	
	<b>One course from this group:</b>	<b>3</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	
	<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.

	<b>Course</b>	<b>Hours</b>
	Principles of Biology I, II or the equivalent	<b>8</b>
	Biology Electives	<b>10</b>
	<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.

	<b>Course</b>	<b>Hours</b>
	AC 305 Fundamentals of Accounting I <u>or</u> BUS 241 Principles of Accounting I	<b>3</b>
	EC 310 Modern Economics <u>or</u> ECO 231 Principles of Macroeconomics	<b>3</b>
	GBA 305 Statistical Methods of Business I <u>or</u> BUS 271 Business Statistics I	<b>3</b>
	GBA 311 The Legal Environment of Business <u>or</u> BUS 263 The Legal & Social Environment of Business	<b>3</b>
	MG 320 Organizational Communication* <u>or</u> BUS 215 Business Communication	<b>3</b>
	MG 346 Prin. of Management & Leadership* <u>or</u> BUS 275 Prin. of 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>
	<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.

	<b>Course</b>	<b>Hours</b>
	College Chemistry I and II	<b>8</b>
	CH 324 /CH 324L Analytical Chemistry	<b>4</b>
	Upper Level 300/400 Chemistry courses approved by Chemistry Faculty Advisor	<b>8</b>
	<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) or Information Technology (ITE) must complete the following courses for a minor in Computer Forensics.

	<b>Course</b>	<b>Hours</b>
	CS 317 Computer Science I <u>or</u> sufficient score on Placement Exam*	<b>0-3</b>
	ITE 315 Scripting Languages and System Administration	<b>3</b>
	CJ 302 Criminal Law	<b>3</b>
	CJ 400 Law Enforcement in America	<b>3</b>
	ITE 420 Fundamentals of Information Security	<b>3</b>
	ITE 421 Digital Forensics	<b>3</b>
	CS 454 System Security Management	<b>3</b>
	<b>* 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>	
	<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) or Information Technology (ITE) must complete the following courses for a minor in Computer Forensics.

	<b>Course</b>	<b>Hours</b>
	CJ 301 Criminal Justice Process <u>or</u> CJ 401 Adult Corrections <u>or</u> CJ 452 Advanced Criminology <u>or</u> CH 302 Introduction to Forensic Science	<b>3</b>
	CJ 302 Criminal Law	<b>3</b>
	CJ 400 Law Enforcement in America	<b>3</b>
	ITE 420 Fundamentals of Information Security	<b>3</b>

	ITE 421 Digital Forensics	<b>3</b>
	CS 454 System Security Management	<b>3</b>
	<b>Total Required Hours for Computer Forensics Minor (CS and ITE majors):</b>	<b>18</b>

### **Computer Networking Minor (for non-CS majors)**

Students in majors **other** than Computer Science (CS), excluding Information Technology (ITE), must complete the following courses for a minor in Computer Networking.

	<b>Course</b>	<b>Hours</b>
	CS 309/309L Introduction to Digital Logic Design	<b>4</b>
	ITE 305 Networking Fundamentals	<b>2</b>
	ITE 306 Local Area Networks	<b>2</b>
	ITE 307 Wide Area Networks	<b>2</b>
	ITE 308 Network Architecture	<b>2</b>
	ITE 405 Internetworking Devices	<b>2</b>
	ITE 406 The Internet	<b>2</b>
	ITE 407 Network Processes and Protocols	<b>2</b>
	ITE 408 Enterprise Network Design and Management	<b>2</b>
	ITE 409/409L Network Security and Network Security Lab	<b>4</b>
	<b>Total Required Hours for Computer Networking Minor (non-CS, non-ITE majors):</b>	<b>24</b>

### **Computer Networking Minor (for CS majors only)**

**This minor is open to Computer Science majors only.** Students majoring in Information Technology (ITE) who are interested in Computer Networking should pursue the ITE major with Concentration in Computer Networking. Students majoring in Computer Science (CS) must complete the following courses for a minor in Computer Networking.

	<b>Course</b>	<b>Hours</b>
	ITE 305 Networking Fundamentals	<b>2</b>
	ITE 306 Local Area Networks	<b>2</b>
	ITE 307 Wide Area Networks	<b>2</b>
	ITE 308 Network Architecture	<b>2</b>
	ITE 405 Internetworking Devices	<b>2</b>
	ITE 406 The Internet	<b>2</b>
	ITE 407 Network Processes and Protocols	<b>2</b>
	ITE 408 Enterprise Network Design and Management	<b>2</b>
	ITE 409/409L Network Security and Network Security Lab	<b>4</b>
	<b>Total Required Hours for Computer Networking Minor (CS majors only):</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.**

	<b>Course</b>	<b>Hours</b>
	MA 308 Discrete Mathematics	<b>3</b>
	CS 309/309L Introduction to Digital Logic Design	<b>4</b>
	CS 317 Computer Science I <b>or</b> sufficient score on Placement Exam*	<b>3</b>
	CS 318 Computer Science II	<b>3</b>
	CS 372 Data Structures	<b>3</b>
	CS 417 Topics in Object Oriented Programming	<b>3</b>
	CS 472 Algorithm Analysis	<b>3</b>
	<b>* 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</b>	

	<b>requirement (zero hours awarded) may be waived provided a sufficient score is achieved on this exam.</b>	
	<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.**

	<b>Course</b>	<b>Hours</b>
	CJ 301 Criminal Justice Process	<b>3</b>
	CJ 302 Criminal Law	<b>3</b>
	CJ 452 Advanced Criminology	<b>3</b>
	Criminal Justice (CJ) or Children's Advocacy Studies Training [CAST] (CA) Electives, or CH 302 Intro to Forensic Science	<b>9</b>
	<b>Total Required Hours for Criminal Justice Minor:</b>	<b>18</b>

### **Cybersecurity Minor**

This minor is not open to Computer Science majors. **Please consult course descriptions for possible prerequisites.**

	<b>Course</b>	<b>Hours</b>
	ITE 307 Wide Area Networks	<b>2</b>
	ITE 308 Network Architectures	<b>2</b>
	ITE 409/409L Network Security and Network Security Lab	<b>4</b>
	ITE 420 Fundamentals 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>Total Required Hours for Cybersecurity Minor:</b>	<b>20</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 a Fine and Performing Art Department faculty member).

	<b>Course</b>	<b>Hours</b>
	<b><u>Dramatic Literature &amp; Criticism (at least one course from this category):</u></b> DR/EH 313 Modern American Drama DR/EH 331 Dramatic Theory and Criticism DR/EH 426 Renaissance Drama DR/EH 455 Theatre for Young Audiences	<b>3</b>
	<b><u>Performance: (at least one course from this category):</u></b> DR 333 Acting I DR 334 Acting II: Scene Study and Acting Shakespeare DR 335 Movement and Stage Combat	<b>3</b>
	<b><u>Production (at least one course from this category):</u></b> EH 311 Drama Production DR 316 Puppetry DR 319 Technical Theatre DR 321 Principles of Scenic and Lighting Design DR 323 Scenic Art DR 466 Practicum in Production	<b>3</b>
	<b><u>Other (at least one course from this category):</u></b> DR 310 Film: History, Development, and Evaluation DR 322 Costume Design DR 332 Adaptation and the Arts	<b>3</b>



	DR 336 Theatre Production Management DR 405 Playwriting	
	<b>Two additional courses from the above categories or courses approved by the faculty advisor through the University Curriculum Adjustment process</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 <u>or</u> PSY 210 Human Growth and Development <u>or</u> PSY 211 Child Growth and Development <u>or</u> 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 ER 309 Early Brain Development ER 318 Literature in Early Childhood <u>or</u> 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* <u>or</u> PS 332 Child Psychology  *Prerequisite: PSY 200 General Psychology	<b>6</b>
	<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*	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>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>	6
	<b>Multimedia Elective***</b> - Choose <b>one</b> of the following courses:  ED 305 Technology and Media in Education AR 333 Graphic Design AR 435 Advanced Graphic Design ART 178 Audio-Visual Techniques ART 221 Computer Graphics ART 253 Graphic Design I <b>or</b> ART 254 Graphic Design II ART 283 Graphic Animation I <b>or</b> 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>	3
	<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	12

	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	
	<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
ESOL 322 Second Language Acquisition	<b>3</b>
ESOL 325 Theoretical Foundations of Language Acquisition	<b>3</b>
ESOL 404 Methods and Materials for Teaching English Language Learners (Prerequisite: ESOL 322 or ESOL 325)	<b>3</b>
ESOL 405 Assessment of English Language Learners	<b>3</b>
<b>ELL Electives – Choose two of the courses listed below*</b>	<b>6</b>
<p><b>Language Electives</b></p> <p>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 <u>or</u> CE 319 Literacy and Literature for the Young Child HPS 113 Spanish for Health Care Professionals HU 313 <u>or</u> HU 314 Beginning Spanish Conversation and Culture I/II (or another foreign language) SC 333 Teaching Reading/Writing in the Content Areas SPA 101 <u>or</u> SPA 102 Introductory Spanish I/II (or another foreign language introductory course) SPA 201 <u>or</u> SPA 202 Intermediate Spanish I/II (or another foreign language intermediate course)</p> <p><b>Cultural Studies/Child Development Electives</b></p> <p>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</p>	
<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.**

	<b>Course</b>	<b>Hours</b>
	ESM 300 Enterprise Systems & Business Processes	<b>3</b>
	ESM 410 Business Intelligence Systems	<b>3</b>
	ESM Elective (ESM 320, 330, 340, 400, 420, <b>or</b> 425)	<b>3</b>
	ISM 400 Information Management	<b>3</b>
	ISM 401 Systems Design Management	<b>3</b>
	ISM 404 Managing Information Resources	<b>3</b>
	<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.**

	<b>Course</b>	<b>Hours</b>
	ECO 231 Principles of Macroeconomics or the equivalent	<b>3</b>
	ECO 232 Principles of Microeconomics or the equivalent	<b>3</b>
	MG 350 Financial Management	<b>3</b>
	FIN 301 Financial Institutions and Markets	<b>3</b>
	<b>Select 2 courses from the following:</b> FIN 355 General Insurance <b>or</b> FIN 356 Real Estate EC 410 International Finance & Monetary Economics FIN 412 Money & Capital Markets FIN 414 Investments	<b>6</b>
	<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.**

	<b>Course</b>	<b>Hours</b>
	AC 312 Law for Accountants	<b>3</b>
	AC 442 Advanced Auditing and Fraud Examination	<b>3</b>
	AC 451 Forensic Accounting I	<b>3</b>
	AC 452 Forensic Accounting II	<b>3</b>
	GBA 314 Business Ethics	<b>3</b>
	<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	<b>3</b>
	<b>Total Required Hours for Forensic Accounting Minor:</b>	<b>18</b>

### **Forensics and Investigation Minor**

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

	<b>Course</b>		<b>Hours</b>
	CH 302 Introduction to Forensic Science		<b>3</b>
	CJ 375/CJ 375L Cyber Criminology and Cyber Criminology Lab		<b>4</b>
	CJ 380 Crime Scene and Investigation		<b>3</b>
	CJ 390/CJ 390L Criminalistics and Criminalistics Lab		<b>4</b>
	CJ 395/CJ 395L Criminal Evidence and Criminal Evidence Lab		<b>4</b>
	<b>Total Required Hours for Forensics and Investigation Minor:</b>		<b>18</b>

## **Forensic Psychology Minor**

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

	<b>Course</b>		<b>Hours</b>
	PS 350 Forensic Psychology		<b>3</b>
	PS 402 Clinical Psychology		<b>3</b>
	PS 425 Tests and Measurements		<b>3</b>
	CJ 302 Criminal Law		<b>3</b>
	CJ 401 Adult Corrections		<b>3</b>
	CJ 452 Advanced Criminology		<b>3</b>
	<b>Total Required Hours for Forensics Psychology 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.**

	<b>Course</b>	<b>Hours</b>	
	PS/SO 301 Gender and Multicultural Studies	<b>3</b>	
	<b><u>Humanities (choose one course from this category):</u></b>	<b>3</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		
	<b><u>Social &amp; Behavioral Science: (choose one course from this category):</u></b>	<b>3</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		
	PS 331 Social Psychology		
	SE 301 Introduction to Exceptional Learners		
	SO 312 Majority/Minority Group Relations		
	SO 351 American Public Policy/Political Sociology		
	SO 360 Contemporary American Family		
	SS 400 Culture and Globalization		
	<b><u>Business (choose one course from this category):</u></b>	<b>3</b>	
	EC 348 Labor Economics		
	MG 352 International Business		
	MG 412 Cultural Diversity & Communication Issues in International Business		
	PS 368 Industrial and Organizational Psychology		
	Three additional courses from the above categories	<b>9</b>	
	<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. HS/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) 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>	9
<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)	6
HY 430 Globalization: Theory and History	3
HY 431 Human Expansion: A History of Trade, Travel, Tourism, and Empires	3
SS 400 Culture and Globalization	3
SS 453 International Relations: America and the World	3
<b>Total Required Hours for Globalization Minor:</b>	
	<b>18</b>

### **Government Contract Accounting Minor**

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

	<b>Course</b>	<b>Hours</b>
	AC 303 Management Decision Support Systems	<b>3</b>
	AC 401 Auditing	<b>3</b>
	AC 411 Government Contract Accounting I	<b>3</b>
	AC 412 Government Contract Accounting II	<b>3</b>
	<b>Two courses from the following:</b> AC 312 Law for Accountants AC 315 Managerial Accounting AC 362 Federal Tax Accounting II AC 431 Advanced Accounting AC 441 Special Topics in Accounting	<b>6</b>
	<b>Total Required Hours for Government Contract Accounting 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.**

	<b>Course</b>	<b>Hours</b>
	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.**

	<b>Course</b>	<b>Hours</b>
	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>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.**

	<b>Course</b>	<b>Hours</b>
	American History	<b>6</b>
	European History	<b>6</b>
	Non-Western History	<b>3</b>
	History Elective	<b>3</b>
	<b>Total Required Hours for History Minor:</b>	<b>18</b>

## Homeland Security and Administration Minor

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

Course	Hours
CJ 326 International and Domestic Terrorism	3
CJ 375/CJ 375L Cyber Criminology and Cyber Criminology Lab	4
CJ 400 Law Enforcement in America	3
CJ 440 Homeland Security	3
CJ 446 Public Sector Organizational Theory and Management	3
CJ 455 Ethics in the Public Sector	3
<b>Total Required Hours for Homeland Security and Administration Minor:</b>	<b>19</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 Anatomy (Co-requisite: BI 361L)*	
BI 424 Advanced 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. <b>or</b> 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 <b>or</b> CE 310 Principles of Early Childhood Education	
ER 330 <b>or</b> CE 330 Children's Constructions of Relationships through Arithmetic & Mathematical Reasoning	
ER 400 <b>or</b> CE 400 Children's Play as Symbolic Behavior	
ER 402 <b>or</b> CE 402 Preschool Curriculum	
ER 420 <b>or</b> 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.**

Course	Hours
MG 349 Human Resources Management <u>or</u> BUS 276 Human Resource Management	3
MG 351 Labor/Management Relations	3
MG 370 Performance Management in Organizations	3
MG 410 Employment Law for Business	3
MG 449 Advanced Human Resource Management	3
EC 348 Labor Economics	3
<b>Total Required Hours for Human Resource Management Minor:</b>	<b>18</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 or Information Technology programs. **Please consult course descriptions for possible prerequisites.**

Course	Hours
MA 308 Discrete Mathematics	3
CIS 209 Advanced Web Development <u>or</u> CS 380 Programming for the Web	3
CS 317 Computer Science I <u>or</u> sufficient score on Placement Exam*	3
CS 318 Computer Science II	3
ITE 321 Systems Analysis and Design	3
ITE 327/327L Database Systems and Database Systems Lab	4
ITE 365 Visual Application Development <u>or</u> ITE 367 Enterprise Application Development <u>or</u> ITE 382 Mobile Device Software Development	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 Information Technology Minor:</b>	<b>22</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 <u>or</u> MG 357 Project Detailed Scheduling and Planning	3
<b>Instructional Design Elective</b> - Choose <u>one</u> of the following courses: CE 444 Design and Instruction of Online Courses	<b>3</b>

	CE 448 Assessment of Instructional Design ED 407 Emerging Instructional Technologies ED 411 Curriculum Integration of Technology for Secondary and Adult Learners	
	<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 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 302 Adobe Photoshop Essentials AR 303 Adobe Illustrator Fundamentals AR 333 Graphic Design AR 435 Advanced Graphic 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 VCM 285 Multimedia Production <b>or</b> VCM 286 Advanced Multimedia Production	<b>3</b>
	* 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 <b>or</b> 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> SS 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>

### **Management of Cybersecurity Operations Minor**

This minor is open to students in all majors except for students in the Management of Cybersecurity Operations major option.

**Please consult course descriptions for possible prerequisites.**

Course	Hours
ISM 400 Information Management	3
ISM 403 Data Communications Management	3
ISM 404 Managing Information Resources	3
MCO 409 Management of Cybersecurity	3
MCO 410 Cybersecurity Administration and Operations Management	3
MCO 411 Cybersecurity Strategic Management	3
<b>Total Required Hours for Management of Cybersecurity Operations 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.

Course	Hours
Principles of Biology I, II or the equivalent	8
Courses at Dauphin Island Sea Lab	12
<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.**

Course	Hours
MK 331 Marketing Principles <u>or</u> BUS 285 Principles of Marketing	3
MK 335 Integrated Marketing Communications	3
MK 337 Digital Marketing	3
MK 431 Marketing Research	3
MK 433 Marketing Strategies and Policies	3
MK 434 Sales Management	3
<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.

Course	Hours
Calculus Sequence	12
MA 310 Linear Algebra <u>or</u> MTH 237 Linear Algebra	3
MA 321 Differential Equations <u>or</u> MTH 238 Applied Differential Equations	3
Upper Division Mathematics Electives (Approved Mathematics courses above the calculus sequence)	6
<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 401 Assessment and Action Research	<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 (Recording) Minor**

The Music (Recording) minor offers students a chance to explore the theory and practice of recording from basic principles through studio sessions and mixing/mastering and provides the basic tools for high quality audio recording used in today's music industry. 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. Areas of study include digital equipment and recording, acoustics and speaker design, computer-assisted recording and editing, remote recording techniques, advanced multichannel remix, audio mastering, and audio signal processing equipment. **Please consult course descriptions for possible prerequisites.**

	<b>Course</b>	<b>Hours</b>
	MU 310 Digital Recording and Editing	<b>3</b>
	MU 311 Foundations of Audio Technology	<b>3</b>
	MU 312 Audio Mastering	<b>3</b>
	<b>Complete 9 semester hours from the courses below (courses listed are 3 hrs. unless otherwise noted):</b> MU 499 Audio Internship MU 441 Special Topics in Music (1-3 hrs.) DR 466 Practicum in Production ITE 305 Networking Fundamentals (2 hrs.) ITE 306 Local Area Networks (2 hrs.)	<b>9</b>
<b>Total Required Hours for Music (Recording) 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
GBA 307 Quantitative Business Analysis & HR Analytics	3
MG 353 Project Management	3
MG 391 Fundamentals of Operations	3
MG 421 Lean Six Sigma White Belt	3
MG 422 Lean Six Sigma Yellow Belt	3
MG 423 Lean Six Sigma Introduction to Green Belt	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
PO 303 Comparative State and Local Government	3
PO/HY 307 American Constitutional Law	3
PO/CJ 350 Introduction to the American Legal System	3
PO/CJ 364 Civil Liberties	3
<b>Select 6 hours from the following:</b> CJ 302 Criminal Law PS/SO 341 Statistics with Advanced Topics in Behavioral Science PSHA/CJ 455 Ethics in the Public Sector SO 351 American Public Policy/Political Sociology SO/SS 400 Culture and Globalization PO 470 Internship in Political Science (1-4 Sem. Hrs.)	6
<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>
	PSHA 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>

## **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 <b>or</b> BUS 275 Principles of Management	<b>3</b>
	MG 349 Human Resources Management <b>or</b> BUS 276 Human Resource Management	<b>3</b>
	MG 416 Entrepreneurship	<b>3</b>
	MK 335 Integrated Marketing Communications	<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 through the University Curriculum Adjustment process</b>	<b>18</b>
	<b>Total Required Hours for Tailored Business Minor:</b>	<b>18</b>

## **Technical Theatre Minor**

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

	<b>Course</b>	<b>Hours</b>
	<b><u>Art (at least one course from this category):</u></b> AR 331 Advanced Photography AR 333 Graphic Design Or other 300/400-level AR course approved by the faculty advisor through the University Curriculum Adjustment process	<b>3</b>
	<b><u>Production (at least two courses from this category – Drama majors cannot count EH 311 and DR 319 towards requirements for this minor):</u></b> EH 311 Drama Production DR 316 Puppetry DR 319 Technical Theatre DR 321 Principles of Scenic and Lighting Design DR 322 Costume Design DR 323 Scenic Art DR 405 Playwriting DR 466 Practicum in Production	<b>6</b>
	<b><u>Business/Management (at least one course from this category):</u></b> AR 443 Art Entrepreneurship DR 336 Theatre Production Management	<b>3</b>
	<b>Two additional courses from the above categories or courses approved by the faculty advisor through the University Curriculum Adjustment process</b>	<b>6</b>
	<b>Total Required Hours for Technical Theatre Minor:</b>	<b>18</b>

## Course Descriptions

This section lists the descriptions for all courses offered at Athens State University.

<b>Discipline Area and Prefix (in alphabetical order by <u>discipline prefix</u>)</b>				
<a href="#"><u>Accounting (AC)</u></a>	<a href="#"><u>Acquisition and Contract Management (ACM)</u></a>	<a href="#"><u>Adult Degree Program (ADP)</u></a>	<a href="#"><u>Advanced Manufacturing Management (AMM)</u></a>	<a href="#"><u>Art (AR)</u></a>
<a href="#"><u>Biology (BI)</u></a>	<a href="#"><u>Children’s Advocacy Studies Training (CA)</u></a>	<a href="#"><u>Career and Technical Education (CE)</u></a>	<a href="#"><u>Chemistry (CH)</u></a>	<a href="#"><u>Criminal Justice (CJ)</u></a>
<a href="#"><u>Cooperative Education (CP)</u></a>	<a href="#"><u>Computer Science (CS)</u></a>	<a href="#"><u>Drama and Theatre Arts (DR)</u></a>	<a href="#"><u>Economics (EC)</u></a>	<a href="#"><u>Education (ED)</u></a>
<a href="#"><u>English (EH)</u></a>	<a href="#"><u>Elementary Education (EL)</u></a>	<a href="#"><u>Early Childhood Education (ER)</u></a>	<a href="#"><u>Enterprise Systems Management (ESM)</u></a>	<a href="#"><u>English for Speakers of Others Languages (ESOL)</u></a>
<a href="#"><u>Finance (FIN)</u></a>	<a href="#"><u>General Business (GBA)</u></a>	<a href="#"><u>Geography (GO)</u></a>	<a href="#"><u>General Science (GS)</u></a>	<a href="#"><u>Health Care Management (HCM)</u></a>
<a href="#"><u>Health and Physical Education (HPE)</u></a>	<a href="#"><u>Health Science (HS)</u></a>	<a href="#"><u>Humanities (HU)</u></a>	<a href="#"><u>Health and Wellness Management (HWM)</u></a>	<a href="#"><u>History (HY)</u></a>
<a href="#"><u>Information Systems Management (ISM)</u></a>	<a href="#"><u>Information Technology (ITE)</u></a>	<a href="#"><u>Logistics and Supply Chain Management (LSM)</u></a>	<a href="#"><u>Mathematics (MA)</u></a>	<a href="#"><u>Management of Cybersecurity Operations (MCO)</u></a>
<a href="#"><u>Management (MG)</u></a>	<a href="#"><u>Marketing (MK)</u></a>	<a href="#"><u>Music (MU)</u></a>	<a href="#"><u>Nursing (NUR)</u></a>	<a href="#"><u>Occupational Health and Safety Management (OHSM)</u></a>
<a href="#"><u>Philosophy (PH)</u></a>	<a href="#"><u>Political Science (PO)</u></a>	<a href="#"><u>Psychology (PS)</u></a>	<a href="#"><u>Public Safety and Health Administration (PSHA)</u></a>	<a href="#"><u>Religion (RE)</u></a>
<a href="#"><u>Secondary Education (SC)</u></a>	<a href="#"><u>Special Education (SE)</u></a>	<a href="#"><u>Sociology (SO)</u></a>	<a href="#"><u>Social Science (SS)</u></a>	<a href="#"><u>University Success (UNV)</u></a>

*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 or GBA 301)*  
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 or GBA 301)*  
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 or GBA 311)*  
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 or Fundamentals of Accounting II (BUS 242 or AC 306)*  
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 411 Government Contract Accounting I (3 Sem. Hrs.)**  
**Prerequisites:** *AC 303 and AC 322*  
A study of government contract accounting concepts including federal government procurement from an accounting perspective, revenue and cost calculations for various government contract types, and calculations of various rates used by government contractors throughout the lifecycle of a contract.
- AC 412 Government Contract Accounting II (3 Sem. Hrs.)**  
**Prerequisites:** *AC 401 and AC 411*  
This course will offer a study of government contract accounting concepts including the financial aspects of contract administration, accounting system requirements, government contract audits, and data analytics in government contract accounting.

- 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, permission 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.

## Advanced Manufacturing Management (AMM)

**AMM 301 History of Manufacturing/Industry 4.0 (3 Sem. Hrs.)**

This course explores where we've been versus where we're going in manufacturing process technology and its strategic management. Topics covered include the history of manufacturing (from the age of the artisan through the first industrial revolution, mass production, automation, and computerization), the current fourth industrial revolution (Industry 4.0), and the economic, social, and political ramifications of this new industrial age.

**AMM 302 Manufacturing Materials and Processes (3 Sem. Hrs.)**

The fourth industrial revolution (Industry 4.0) is being led by innovations in manufacturing processes and new product materials. This course provides an overview of the core manufacturing processes used in today's factories plus the newer processes and materials that are revolutionizing the manufacturing sector. Topics covered include the identification, application, and structure of both metallic and nonmetallic materials, mechanical and thermal material properties, traditional manufacturing processes, and advanced manufacturing technologies (including additive manufacturing). This course also includes lab activities and manufacturing facility tours that provide experiential learning opportunities in the technologies introduced.

**AMM 400 The Technologies of Industry 4.0 (3 Sem. Hrs.)**

Industry 4.0 is the term used to describe today's current economic paradigm, where value creation results from the management and strategic use of data rather than just resources and business processes. This course explores the innovative technologies used to collect, track, and analyze "big data" for the purposes of optimizing operations and creating value. Topics covered include Blockchain, Internet of Things (IoT), Artificial Intelligence (AI), Machine Learning, Cybersecurity, and others.

## 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. Issues and theories regarding the use of mixed media and non-traditional media and 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. Processes and safety issues related to materials is emphasized. This course is to be taken the first semester of the student's program.

**AR 301 Painting (3 Sem. Hrs.) (Lab fee)**

This course includes painting theory and techniques and a study of the history of painting. Students utilize various media, tools and methods for painting to experiment with many aesthetic styles including knowledge of various art historical and contemporary ideas. Students critique, justify, and present choices in the process of painting from conceptualized image to finished art work. Museum visits and critiques will be included. Professional material processes and safety issues related to the materials is also emphasized.

- AR 302 Adobe Photoshop Essentials (3 Sem. Hrs.)**  
**Prerequisite:** *Art majors require permission of their advisor*  
 This course intends to build operational skills in the software Adobe Photoshop for students needing a multimedia elective or as a course option in the Educational Studies program. Art majors may take this course as a review of these skills with permission of their advisor.
- AR 303 Adobe Illustrator Fundamentals (3 Sem. Hrs.)**  
**Prerequisite:** *Art majors require permission of their advisor*  
 This course intends to build operational skills in the software Adobe Illustrator for students needing a multimedia elective or as a course option in the Education Studies program. Art majors may take this course as a review of these skills with permission of their advisor.
- AR 304 Typography (3 Sem. Hrs.) (Lab fee)**  
 Typography is the visual design of language and is an essential skill for graphic designers. This course explores the history of typeface design, terminology, and its evolution in the digital domain. Emphasis is placed on developing increasing knowledge of typography and principles of design to create effective visual communication using industry standard software. Students experiment with typographic form and principles of design to product static and kinetic typography. Students can apply skills learned in this class in other areas including web design, user interface design, and motion graphics.
- AR 305 Concepts in 3D Design (3 Sem. Hrs.) (Lab fee)**  
 An advanced course focused on the formal element of design and how they work with and are applied in a three dimensional manner. Topics include geometric solids, architectonic organization of space, light and shadow, relief, the modular unit, motion, form and structure in nature. Applications to packaging, architecture, sculpture, environmental graphics and game design. Investigation of the relationship between material and form.
- AR 306 Concepts in 2D Design (3 Sem. Hrs.) (Lab fee)**  
 A blended lecture and practicum-based course focused on the formal elements of design and how they work with and are applied in a two dimensional manner. A variety of 2D design concepts and tools are used to develop visual literacy and deepen appreciation of the role of design in art and culture. Students create projects that explore elements and principles of design and gestalt theory, while developing fluency in the handling of media, and an increased awareness of craftsmanship. Lectures and critiques cultivate verbal communication skills to foster a facility with the language of art and design, and basic computer skills are introduced in the creation of an online portfolio.
- AR 307 Advanced Typography (3 Sem. Hrs.)**  
**Prerequisite:** *AR 304*  
 In this course, students explore issues of typographic form, history, and personal expression. The goal is to broaden typographic exploration and refine the craft of typography. It focuses on the creative process, from concept to application. Students will have the creative freedom to explore new directions, develop typographical solutions, and use unconventional methods and materials. All projects created are geared toward portfolio presentation.
- 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*  
 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 rendering the human figure in multiple mark making media. Students critique, justify and present choices in the process of drawing the human figure from conceptualized image to finished art work. Students utilize various tools and methods to experiment with many aesthetic styles for rendering the human figure including knowledge of various art historical and contemporary ideas for this exploration. Professional materials and safety issues related to the materials processes is emphasized.
- 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. Students utilize various tools and methods and knowledge of glaze chemistry and more to experiment with many aesthetic styles including knowledge of various art historical and contemporary ideas. This course is an exploration of sculptural media, particularly clay and terra cotta. Students critique, justify, and present choices in the process of making ceramic art from conceptualized vessel or structure to finished art work. Professional materials processes and safety issues related to the materials processes is emphasized.
- AR 317 Ceramics Handbuilding (3 Sem. Hrs.) (Lab fee)**  
 This course is an exploration of sculptural media, particularly clay and terra cotta.
- AR 318 Intermediate Wheel Throwing (3 Sem. Hrs.) (Lab fee)**  
 A further development of vessel and sculptural concepts using wheel throwing techniques. The course expands on the techniques learned in AR 315 and further introduces the elements of art through the making of ceramic form. The class progresses beyond basic throwing techniques to intermediate throwing skills, various forming and embellishing techniques both on the wheel and subsequent

to throwing, colored slip work, glaze work, and the firing of kilns. Students work towards development of individual creative expression. Includes presentation of historical, cultural and contemporary trends in ceramics.

- AR 322 Intermediate Handbuilding (3 Sem. Hrs.) (Lab fee)**  
This course will further develop the basic handbuilding techniques covered in AR 317. Techniques will include the processes of pinching, stiff and soft slab building, coiling as well as modeling techniques. Approaches will include sculptural applications as well as the formation of vessels. While the process of building with clay will be at the core of this course, an awareness of ceramic history, contemporary ceramic art, conceptual ideas, and other concerns will be included as well. The ceramic process, including glazing firing, and timing will be of utmost concern as we learn to understand the ceramic material. Includes presentation of historical, cultural and contemporary trends in ceramics.
- AR 331 Advanced Photography (3 Sem. Hrs.) (Lab fee - course requires the student to purchase supplies in addition to the lab fee)**  
Advanced theory and practice in pre-and post-production photography with emphasis on experimentation with the newest software and hardware related to technologies in the digital photography field in pre and post production of images. Students critique, justify, and present choices in the process from conceptualized image to finished art work. Students utilize various tools and methods to experiment with many aesthetic styles including knowledge of various art historical and contemporary ideas in photography. Professional processes and safety issues related to materials processes is emphasized.
- AR 333 Graphic Design (3 Sem. Hrs.) (Lab fee)**  
**Prerequisite: AR 303**  
Processes from visualization through finished design will be covered while exploring problems in commercial and fine arts through visual hierarchy, layout, typography, and real world timetable. Students actively engage graphics as strategic medium for experimentation, idea generation, problem solving and communication. Design is studied in the context of aesthetic, cultural, historical and critical issues. Students learn essential software and hardware techniques in their exploration both as tools and as a medium for evolving designers.
- 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 338 Digital Imaging (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 341 Visual Culture (3 Sem. Hrs.)**  
**(Fulfills General Education Area II Fine Arts or Humanities)**  
"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.)**  
**(Fulfills General Education Area II Fine Arts or Humanities)**  
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 353 History and Practice of Graphic Design (3 Sem. Hrs.)**  
An introduction to the history of graphic design from the dawn of writing until today, including the development of handwriting, typefaces, and books; Arts and Crafts and the private press; posters, printing history, and history of advertising, digital design and typography.
- AR 360 Drawing and Design (3 Sem. Hrs.)**  
Theory and practice in drawing and design with emphasis on experimentation, skill building, portfolio building and critique. Students utilize various tools and methods to experiment with many aesthetic styles including knowledge of various art historical and contemporary ideas in drawing and design.
- 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 403 Materials and Techniques of Painting (3 Sem. Hrs.) (Lab fee)**  
A practicum-based course that explores different painting techniques and concepts, and alternative painting surfaces. Includes

presentation of historical, cultural and contemporary trends in painting.

- AR 405 Interface Design (3 Sem. Hrs.) (Lab fee)**  
This course focuses on developing an understanding of the functional design of apps, websites, and interactive experiences from a visual and logistical perspective. It introduces students to theories of human computer interaction as well as basic principles of interface design, prototyping, visual language, and responsive design. Students will use software such as Adobe Experience Design and related Adobe Creative Cloud programs to build a user experience from the ground up.
- AR 406 Multimedia Production (3 Sem. Hrs.) (Lab fee)**  
Learn the basics of operating video equipment, editing, and motion graphics software. Students are instructed on the three stages of multimedia project creation. In pre-production, students learn the basic principles of story development, storyboarding, scheduling, and budget planning. Students shoot short video stories and edit those stories together using Adobe Premiere and After Effects. As a participant in this course, students are expected to upload videos to the Internet. Skills acquired in this workshop have applications in broadcast journalism, documentary film, and transmedia storytelling. Visual content delivery methods, in both web and social media, are explored.
- AR 407 Advertising Design (3 Sem. Hrs.)**  
Students design unique and creative ads for their portfolios. Focus is on producing professional work that demonstrates strong concepts, engaging visuals, as well as interesting headlines and body text. Assignments consist of single ads, as well as ad campaigns. Student also analyze and improve existing ads that lack effective communication and creativity. Lectures include history of advertising, how to approach different generations, personal perceptions, the designer's responsibility in advertising, the role of social media in advertising, and how advertising can lead social change.
- AR 408 Printmaking (3 Sem. Hrs.) (Lab fee)**  
This course is a development of techniques in various print media. Students critique, justify, and present choices in the process of printmaking from conceptualized image to finished art work. Students utilize various tools and methods to experiment with many aesthetic styles including knowledge of various art historical and contemporary ideas related to multiple printing methods. Professional materials processes and safety issues related to the materials is emphasized.
- AR 411 Narrative Painting and Drawing (3 Sem. Hrs.)**  
A practicum-based course that explores narrative, symbol and metaphor as subjects in painting.
- AR 413 Portrait Drawing and Painting (3 Sem. Hrs.) (Lab fee)**  
Students will use a variety of media to develop skills in portraiture.
- AR 416 Glaze Chemistry and Kiln Design (3 Sem. Hrs.) (Lab fee)**  
An intensive, blended lecture and practicum-based study focused on the science behind the ceramic materials and glazes. The course will provide information and science to help each student effectively utilize glaze materials in ways that will enhance and improve their individual practice. Students will also learn how to effectively process local clays and develop clay bodies from raw materials. This course also covers kiln design and maintenance, ceramic surfaces, glaze calculations and firing techniques as well as studio practices and safety. Students will be asked to apply these concepts in the ceramics studio as part of their coursework.
- 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 422 Alternative Firing Processes (3 Sem. Hrs.) (Lab fee)**  
An intensive, blended lecture and practicum-based study focused on the history and technique of alternative firing processes. The course will provide information and science to help each student learn a variety of atmospheric and alternative firing processes including raku, naked raku, luster fuming and pit firing. Students will be asked to apply these concepts in the ceramics studio as part of their coursework.
- AR 423 History of Modern Art (3 Sem. Hrs.)**  
This course covers the post-impressionist period through 1945. Students understand how present and past responses to the major styles of art history developed and theories of criticism from this period developed. Students understand how our present responses based on knowledge of artist's life experiences and past audience experiences developed. Students analyze ways that visual components and cultural associations suggested by images influenced ideas, emotions, and actions in society at the time.
- AR 424 Late Modern Art History (3 Sem. Hrs.)**  
This course covers 1945 to present. Students understand how present and past responses to the major styles of art history developed and theories of criticism from this period developed. Students understand how our present responses based on knowledge of artist's life experiences and past audience experiences developed. Students analyze ways that visual components and cultural associations suggested by images influenced ideas, emotions, and actions in society at the time.

- 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 435 Advanced Graphic Design (3 Sem. Hrs.) (Lab fee)**  
**Prerequisite: ART 333**  
Graphic design is for the purpose of communication. Students mature strengths in conceptual thinking and formal experimentation and develop languages of design that reflect their own artistic and cultural identities while communicating to various audiences. Projects are created using a variety of relevant design industry software and hardware and presented in a variety of media.
- AR 440 Digital Animation (3 Sem. Hrs.) (Lab fee)**  
This course is designed for students interested in 2D and 3D animation. Topics include concepts and techniques used for creating motion graphics, animated films, and special effects. Students are introduced to Adobe After Effects and 3D features of Maya: modeling, animation, texture, lighting, rendering, expressions, dynamics and workflows. Students gain experience by following class examples and completing assignments. Students in this course create 2D and 3D animation projects intended to build their portfolio.
- 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 448 Collaborative Multimedia (3 Sem. Hrs.) (Lab Fee)**  
Transmedia storytelling is the practice of designing, sharing, and participating in a cohesive story experience across multiple traditional and digital delivery platforms - for entertainment, advertising and marketing, or social change. An interactive narrative offers a pre-specified story or choice to the audience, allowing them to influence the plot. In this course, students work in groups to develop and deliver interactive narratives and transmedia stories using new technologies and distribution platforms. Students consider a wide range of production techniques including writing, sound design, film, photography, theatre, art and new media. Students work in teams to design a strategy for developing an interactive narrative or transmedia story.
- 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.) (Teaching Internship fees)**  
**Prerequisites: Admission to the Teacher Education Program and clearance by the Internship Office**  
Internship shall equal at least a full semester, full-time in the teaching field for which certification is sought, and may require more than one placement. 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 a University supervisor. Successful completion of the edTPA Portfolio - obtained by a documented approved Alabama SDE cut score - is required for successful completion of Internship. Seminar and edTPA Support Sessions 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 Pre-K – 5th grade level children. Students will examine how learning about art relates to adolescents' perception, cognition, questioning, and 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 be able to develop age appropriate curriculum that is either media centered or curriculum that is theme centered that includes multiple forms of student evaluation and self-evaluation which allows for student growth and teacher reflection. Students understand methods and materials and the processes necessary to use them that are age-appropriate and safe for the classroom. Students will learn to gather classroom context to create lesson plans that build on student interests and aptitudes. Historical foundations of art education are addressed to understand ways that art has been presented in the classroom over time compared to multiple ways it is taught in classrooms today.
- 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 be able to develop age appropriate curriculum that is either media centered or curriculum that is theme centered that includes multiple forms of student evaluation and self-evaluation which allows for student growth and teacher

reflection. Students understand methods and materials and the processes necessary to use them that are age-appropriate and safe for the classroom. Students will learn to gather classroom context to create lesson plans that build on student interests and aptitudes. Historical foundations of art education are addressed to understand ways that art has been presented in the classroom over time compared to multiple ways it is taught in classrooms today.

- AR 460 Special Workshop (3 Sem. Hrs.) (Lab fee)**  
This workshop focuses on arts and crafts.
- AR 461 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 BA 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.
- AR 466 Advanced Portfolio, Exhibition and Art Research (4 Sem. Hrs.)**  
**Prerequisites: AR 300 and Graduating Senior BFA Art Major**  
Students will compile a professional portfolio and hang their senior exhibition. This course is the culmination of your art education at Athens State University. It is designed to challenge and ultimately broaden your understanding of what it means to be a creative professional. This class is largely self-directed and presents you with an extraordinary opportunity to identify an area of interest and investigate it, using art as the vehicle through which you present your findings in The Student Exhibition in the ACA Gallery.

## Biology (BI)

- BI 300 Cells and Genes in the News (3 Sem. Hrs.)**  
**Corequisite: BI 300L**  
**(Fulfills General Education Area III Natural Science)**  
This course will explore how basic biological principles, such as genetics, cell biology, microbiology, and the scientific method relate to current events, including biotechnology, personalized medicine, and agriculture. Counts as an introductory course for both majors and non-majors.
- BI 300L Cells and Genes in the News 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 permission 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 permission 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 permission 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 304 Diversity and Adaptations (3 Sem. Hrs.)**  
**Corequisite: BI 304L Prerequisite: Principles of Biology I**  
An advanced comparison of organismal diversity, including modern classification, development, physiology, and morphology of the eukaryotes. An emphasis will be placed upon the diversity of adaptations that allow organisms to succeed in the face of environmental challenges such as desiccation, gas exchanges, locomotion, and information acquisition using sensory organs.
- BI 304L Diversity and Adaptations Lab (1 Sem. Hr.) Corequisite: BI 304**
- BI 311 Biodiversity of North Alabama (3 Sem. Hrs.)**  
**Corequisite: BI 311L**  
**(Fulfills General Education Area III Natural Science)**  
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 312 Biostatistics (3 Sem. Hrs.)**  
**Corequisite: BI 312L**  
This course will explore the collection and analysis of biological data. Topics will include sampling regimes, data organization and



visualization, descriptive statistics, statistical tests associated with four primary experimental designs within biology: ANOVA, linear regression, chi-squared analysis, and logistic regression. This course will also address non-parametric approaches to data analysis. Students will visualize and analyze data using R statistical programming language and complete an experiment using one of the experimental designs discussed in class.

- BI 312L**     **Biostatistics Lab (1 Sem. Hr.)** *Corequisite: BI 312*
- 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*  
*(Fulfills General Education Area III Natural Science)*  
**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.)**  
*(Fulfills General Education Area III Natural Science)*  
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 Anatomy (3 Sem. Hrs.)**  
*Corequisite: BI 361L*  
*(Fulfills General Education Area III Natural Science)*  
This course considers the structural organization of the major regions of the body, including head and neck, upper and lower limbs, torso, and pelvis. It discusses the form, functions, and interrelations of each of the systems of the body in anatomical context as well as commonly encountered dysfunctions.
- BI 361L**     **Human Anatomy Lab (1 Sem. Hr.)** *Corequisite: BI 361*
- BI 408**     **Bioinformatics (3 Sem. Hrs.)**  
*Corequisite: BI 408L*  
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 408L**     **Bioinformatics Lab (1 Sem. Hr.)** *Corequisite: BI 408*
- 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 permission 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 Diversity and Human Interactions (3 Sem. Hrs.)**  
*Corequisite: BI 415L Prerequisite: Principles of Biology I or permission of instructor*  
A survey of bacteria, archaea, and viruses, with a focus on the relevance of bacteria to the environment and human disease. Lecture will consider bacterial physiology and human immune response while lab will emphasize the culture, identification, and control of microorganisms.
- BI 415L**     **Microbial Diversity and Human Interactions Lab (1 Sem. Hr.)** *Corequisite: BI 415*

- BI 420 Field Vertebrate Zoology I: Ichthyology and Herpetology (4 Sem. Hrs.)**  
**Prerequisites: Principles of Biology II and BI 303, or permission 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 permission 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 Advanced Physiology (3 Sem. Hrs.)**  
**Corequisite: BI 424L Prerequisite: Principles of Biology I or permission 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.
- BI 424L Advanced 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.)**  
**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 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 permission 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 Principles of Research Techniques and Labs Skills (4 Sem. Hrs.) (Lab fee)**  
**Prerequisites: Principles of Biology I and II, and permission of instructor**  
 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: Permission 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: Permission 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 Course 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 Course 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 only applies to the Minor in Education; it will not count as a biology major elective for students in non-education Biology options.** 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.
- 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: Permission 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**  
**Students cannot receive credit for both BI 470 and BI 471.** 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**  
**Students cannot receive credit for both BI 470 and BI 471.** 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)

- 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.)**  
 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.

**CA 402 Mock Cases and Simulations Practicum (1 Sem. Hr.)**

This course is the case examination of mock cases and trials as related to juveniles/children and their families. This course will assist students with learning the MDT process and procedures through mock case reviews, examinations, discussions, and simulations of criminal justice and child advocacy actors and personnel. This course will review the forensic interviewing process for pre-trial and trial procedures as well as law enforcement role in investigation and reporting; police and courts. Students will work with local child advocacy centers as well as other related agencies with the MDT. 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. This course focuses on the responses of professionals to allegations of child maltreatment. The purpose of this course is to expand the student's knowledge and skills in identifying, investigating and prosecuting child maltreatment. The course is designed for students who are likely to pursue a profession in which they will be a mandated reporter and knowledge of child maltreatment and advocacy is critical.

## Career and Technical Education (CE)

**CE 300 Foundations of Technical Education I (3 Sem. Hrs.)**

**Corequisite: UNV 300ED**

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. **Course includes Lee v. Macon "Makes Sense Strategies" training as required by the Alabama State Department of Education.**

**CE 306 Introduction to Instructional Design (3 Sem. Hrs.)**

**Corequisite: UNV 300ED**

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 309 Multimedia for Lesson Development (3 Sem. Hrs.)**

This course focuses on the theoretical perspectives of multimedia development and differentiating multimedia for training purposes. The course will also provide hands-on applications with developing multimedia projects for embedding in training and development lessons.

**CE 310 Principles of Early Childhood Education (3 Sem. Hrs.) (Students seeking the Technical Education: Early Instructor option will take this course)**

**Corequisite: UNV 300ED**

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 406 Instructional Design Models and Learning Theory (3 Sem. Hrs.)**  
This course is designed to investigate various instructional design models and determine how they integrate with standard theories related to teaching and learning.
- CE 408 Gamification and Advanced Lesson Design (3 Sem. Hrs.)**  
*Prerequisite: CE 308*  
This course is designed to introduce concepts and theories behind gamification and its impact on lesson design and development.
- 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. **Course includes Lee v. Macon "Positive Behavioral Supports" training as required by the Alabama State Department of Education.**
- 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.)**  
**Prerequisites: CE 306 and CE 308**  
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 fees)**  
*Prerequisites: Admission to the Teacher Education Program and clearance by the Internship Office*  
 Internship shall equal at least a full semester, full-time in the teaching field for which certification is sought, and may require more than one placement. 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 a University supervisor. Successful completion of the edTPA Portfolio - obtained by a documented approved Alabama SDE cut score - is required for successful completion of Internship. Seminar and edTPA Support Sessions attendance is required.

## 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 permission 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 permission 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: Permission 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.
- 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: Permission of instructor*  
These courses will be offered on occasion of student demand or need.

## Criminal Justice (CJ)

- CJ 300 Contemporary Criminal Justice (3 Sem. Hrs.)**  
This is an introductory course to discuss the transition from historical criminal justice practices and processes to modern day, contemporary criminal justice. This course will discuss more modern and innovative technologies utilized in the criminal justice system to assist agents and practitioners with apprehension, investigation, and rehabilitation. This course will also discuss each subsystem of the criminal justice system: police, courts, and corrections between 1950 to current day.
- 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.)**  
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 310 Special Topics in Criminal Justice (2 Sem. Hrs.)**  
This course is designed to provide criminal justice students with a diverse wealth of knowledge in introductory type courses that will discuss, examine, and evaluate contemporary topics. This course will allow students to utilize innovative methods for applying fundamental knowledge related to criminal justice to topics facing our current and futuristic society to address issues, policies, and laws pertaining to each special topic course. Course may be repeated as topics will vary.
- CJ 326 International and Domestic Terrorism (3 Sem. Hrs.)**  
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 360 Race, Criminality, and Social Justice (3 Sem. Hrs.)**  
Study of the role played by racial minorities at each stage of the criminal justice system. Special attention is devoted to theories and measurement of minority crimes and race relations and to the treatment of minorities by law enforcement officers, courts, and corrections.
- 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 375 Cyber Criminology (3 Sem. Hrs.)**  
**Corequisite: CJ 375L**  
This course is designed to provide criminal justice students with research and case study for a contemporary criminal justice field; cyber criminology. Cyber criminology explores the interdisciplinary study of cyber, technology, criminal justice fields, and other innovative practices, approaches, and applications to assist in research, investigation, and prevention regarding the science of cyber criminology.
- CJ 375L Cyber Criminology Lab (1 Sem. Hr.)**  
**Corequisite: CJ 375**  
Cyber Criminology lab provides an opportunity for students to conduct career exploration and build a record of experience in a lab hosted by a state, local, or federal agency related to criminal justice that utilizes computers and technology connected to cyber and computer crimes. CJ students must complete a minimum of 25 hours to a maximum of 45 hours in an approved lab.
- CJ 380 Crime Scene and Investigation (3 Sem. Hrs.)**  
This course is designed to provide criminal justice students with an introduction to the investigation of crimes as related to criminal justice fields of study. This course will examine crime scenes and evidence from tangible and non-tangible sources, and methods used to assist in the investigation of crimes by local, state, and federal criminal justice related agencies.
- CJ 390 Criminalistics (3 Sem. Hrs.)**  
**Corequisite: CJ 390L**  
This course is designed to provide criminal justice students with introductory level scientific techniques and measures used for detecting crime. This course will examine evidence used to assist in the investigation of crimes by local, state, and federal criminal justice related agencies.
- CJ 390L Criminalistics Lab (1 Sem. Hr.)**  
**Corequisite: CJ 390**  
Criminalistics lab provides an opportunity for students to conduct career exploration and build a record of experience in a lab hosted by a state, local, or federal agency related to criminal justice that utilizes computers and technology connected to cyber and computer crimes. CJ students must complete a minimum of 25 hours to a maximum of 45 hours in an approved lab.
- CJ 395 Criminal Evidence (3 Sem. Hrs.)**  
**Corequisite: CJ 395L**  
This course is designed to provide criminal justice students with an introduction to criminal evidence. This course will examine the use of criminal evidence for law enforcement and courts. This course will examine evidence used to assist in the investigation of crimes by local, state, and federal criminal justice related agencies.
- CJ 395L Criminal Evidence Lab (1 Sem. Hr.)**  
**Corequisite: CJ 395**  
Criminal Evidence lab provides an opportunity for students to conduct career exploration and build a record of experience in a lab hosted by a state, local, or federal agency related to criminal justice that utilizes computers and technology connected to cyber and computer crimes. CJ students must complete a minimum of 25 hours to a maximum of 45 hours in an approved lab.
- 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 440 Homeland Security (3 Sem. Hrs.)**  
This course is designed to provide criminal justice students with an introduction to homeland security training and procedures. This course will prepare students interested in federal as well as state laws, practices, and procedures related to investigation, detainment, and prosecution of domestic as well as foreign threats to national security to the United States. This course will explore the management, assessment, supervision of homeland security to all federal agencies authorized by our government.

- 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 450 Criminal Justice Research Methods and Evaluation (3 Sem. Hrs.)**  
This course is designed to provide criminal justice students with an introduction to research methods, statistics and evaluations. This course will teach students the basics of research design, application, and implementation correlated with theoretical research variables for qualitative and quantitative research designed specifically for criminal justice and related fields.
- 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 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: Permission of instructor (Offered by request)*
- CJ 464 Internship in Criminal Justice (3 Sem. Hrs.)**  
*Prerequisite: Permission 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.

## 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)**

**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 307 Foundations of Web Development (3 Sem. Hrs.)**

This course focuses on web programming with HTML5 to allow students to develop web pages. Students will also learn how to use CSS and CSS Frameworks to make their web pages adaptive and responsive. The basics of JavaScript and jQuery will also be taught to students so that they can create front-end interactive webpages.

**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.)**

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 programs.

**CS 318 Computer Science II (3 Sem. Hrs.) (Lab fee)**

**Prerequisite:** *CS 317 with minimum grade of C*

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 and Computer Organization (3 Sem. Hrs.) (Lab fee)**

**Prerequisites:** *CS 318 with minimum grade of C; and CS 309*

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 365 Visual Application Development (3 Sem. Hrs.) (Lab fee) (Also listed as ITE 365)**

**Prerequisites:** *CS 318 with minimum grade of C; and ITE 327/327L*

This course introduces students to programming in visual, event-driven environments. Students learn concepts of visual programming and underlying design principles 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.

**CS 367 Enterprise Application Development (3 Sem. Hrs.) (Also listed as ITE 367)**

**Prerequisites:** *CS 318 with minimum grade of C; and ITE 327/327L or ITE 440*

This course provides a broad background in the design, development, and integration of server-side enterprise application. Topics

include an introduction to the Java programming language, using enterprise-level features of the Java platform such as servlets, Java Server Pages, and data access technologies. Students will be introduced to the architecture, design, and implementation of web applications, multi-tier application architectures, model-view-controller architecture patterns, database connectivity, and security considerations in the enterprise.

- 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)**  
**Prerequisites:** *CIS 207 or CS 307; and CIS 222 or ITE 321 or ITE 327/327L*  
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. Principles 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 382 Mobile Device Software Development (3 Sem. Hrs.) (Also listed as ITE 382)**  
**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.
- CS 385 Pragmatic Artificial Intelligence – Cloud Based Machine Learning (3 Sem. Hrs.)**  
**Prerequisite:** *CIS 251 or CS 305 or CS 317*  
This course will help students solve real-world problems with contemporary machine learning, artificial intelligence, and cloud computing tools. As students learn how machine learning solutions work, they will gain a more intuitive understanding of what they can achieve with them and how to maximize their value. Students will walk step-by-step through building cloud-based AI/ML applications to address realistic issues in sports marketing, project management, product pricing, real estate, and beyond.
- 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 340 and CS 372*  
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. This course provides a basic understanding of the concepts of systems programming. 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 with minimum grade of C; and MA 310*  
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 442 Special Topics in Computer Science (1-3 Sem. Hrs.)**

**Prerequisite:** *Permission 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. Course may be repeated as topics will vary.

**CS 451 Software Engineering (3 Sem. Hrs.) (Lab fee) (Also listed as ITE 451)**

**Prerequisites:** *CS 372, and MA 308, and senior standing, and permission 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)**

**Prerequisites:** *CS 451 and permission of instructor*

This course provides students with the opportunity to apply the knowledge and skills mastered in the computer science discipline through development of complex research or 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 research 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 454 System Security Management (3 Sem. Hrs.) (Lab fee)**

**Prerequisite:** *CS 318 with minimum grade of C*

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 462 Directed Study/Special Computer Science Project (1-3 Sem. Hrs.)**

**Prerequisites:** *15 sem. hrs. of upper level computer science coursework, and permission 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. Course is repeatable up to a maximum of six semester hours.

**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.

**CS 485 Modern Artificial Intelligence (3 Sem. Hrs.)**

**Prerequisites:** *CS 309/309L, CS 318, and MA 308*

Challenging introduction to the major subareas and current research directions in artificial intelligence. Topics include knowledge representation, heuristic search, problem solving, and logic and deduction.

**CS 486 Natural Language Processing (3 Sem. Hrs.)**

**Prerequisite:** *CS 485*

This course will present a fairly broad introduction to Natural Language Processing (NLP, a.k.a. computational linguistics), the study of computing systems that can process, understand, or communicate in human language.

**CS 487 Robotics (3 Sem. Hrs.)**

**Prerequisite:** *CS 485*

This course is a challenging introduction to basic computational concepts used broadly in robotics. Topics include simulation,

kinematics, control, optimization, and probabilistic inference. The mathematical basis of each area is emphasized, and concepts are motivated using common robotics applications and programming exercises.

**CS 488 AI Reasoning, Decisions, and Learning (3 Sem. Hrs.)**

**Prerequisites:** CS 485 and MA 331

This course surveys a variety of reasoning, optimization, and decision-making methodologies for creating highly autonomous systems and decision support aids. The focus is on principles, algorithms, and their applications, taken from the disciplines of artificial intelligence and operations research. Reasoning paradigms include logic and deduction, heuristic and constraint-based search, model-based reasoning, planning and execution, reasoning under uncertainty, and machine learning. Optimization paradigms include linear integer and dynamic programming. Decision-making paradigms include decision theoretic planning, and Markov decision processes.

**CS 489 Soft Computing and Fuzzy Logic (3 Sem. Hrs.)**

**Prerequisite:** CS 485

A study of the computational intelligence with the Soft Computing paradigm. The topics include the theory and computational methods of Fuzzy Logic and system, Neural Network, Evolutionary Algorithm and other topics, whose paradigms and hybrid techniques are widely applied to data science and mining, pattern classification and clustering, information retrieval, control engineering, decision making, and optimization problem, etc.

## Drama and Theatre Arts (DR)

**DR 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.

**DR 313 Modern American Drama (3 Sem. Hrs.) (Also listed as EH 313)**

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.

**DR 315 Musical Theatre History (3 Sem. Hrs.)**

Musical Theatre History surveys the history and evolution of the Broadway Musical and Musical Theatre as one of America's indigenous theatrical art forms. In this course, students will evaluate and compare a variety of Musical Theatre forms from the mid-19th Century, through the "Golden Age" of the 20th Century, and into the postmodern expression of the 21st Century. Musical librettos will be analyzed and examined through readings, discussions, and supplemented with historical documents, artifacts, and dramatic reconstructions (included taped and live performances).

**DR 316 Puppetry (3 Sem. Hrs.)**

**Prerequisite:** EH 311 or permission of instructor

Puppetry is a production class focusing on puppetry design, construction, and performance emphasizing character design, development, and manipulation. Various basic through advanced puppeteering techniques will be discussed and utilized as students work to design and create living creatures from inanimate materials. Students will have the opportunity to begin their training in puppetry arts which can be used to reinforce their knowledge of design, to develop their puppetry design and construction techniques, and to work on the collaborative process of puppet theater and design. This course will culminate with students creating original puppets to perform original plays for either a live audience or film.

**DR 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.

**DR 321 Principles of Scenic and Lighting Design (3 Sem. Hrs.)**

**Prerequisite:** EH 311 or permission of instructor

Principles of Scenic and Lighting Design is a production class focusing on the art of scenic and lighting design, following the process from concept to realized design while emphasizing and incorporating principles of design and elements of composition. Various basic through advanced design techniques will be discussed and utilized as students work to conceptually design a production through research, drafting, sketches, computer design, and model creation. Students will have the opportunity to learn and reinforce their knowledge of the elements of design, to develop their design vocabulary and skills, and to work on the collaborative process of theater design. This course will culminate with students creating original scenic and lighting designs to present for a panel of professional theatre artists and defend their design concept, process, and choices.

**DR 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.

**DR 323 Scenic Art (3 Sem. Hrs.)**

**Prerequisite:** EH 311 or permission of instructor

Scenic Art is a production class focusing on the practice of scenic painting, following the process from designer drawings and renderings to completed painted projects while emphasizing and incorporating principles of color, composition, painting techniques and production. Various basic through advanced scenic art techniques will be discussed and practiced as students work to learn and hone scenic art techniques in marbling, wood grain, brick, foliage, three dimensional drops, and other scenic art skills. Students will have the opportunity to learn and reinforce their knowledge of color theory and design, to develop their scenic art vocabulary and painting techniques, and to work on the collaborative process of scenic design and art. This course will culminate with students recreating a rendering onto an obscure object, focusing on detail, painting techniques, and final look to present for critique to a panel of professional theatre artists. These final projects will challenge scenic art students to assess material, process, techniques, and

medium to create their final works.

- DR 331 Dramatic Theory and Criticism (3 Sem. Hrs.) (Also listed as EH 331)**  
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.).
- DR 332 Adaptation and the Arts (3 Sem. Hrs.)**  
*(Fulfills General Education Area II Humanities)*  
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.
- DR 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.
- DR 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. This course will culminate with exploring techniques for acting Shakespeare based in the 1623 First Folio.
- DR 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. This course will be a hands-on approach with emphasis placed upon actor safety, dramatic requirements of the script, and historical accuracy.
- DR 336 Theatre Production Management (3 Sem. Hrs.)**  
*Prerequisite: EH 311 or permission of instructor*  
Theatre Production Management is a production class focusing on the art of stage, production, and arts management, focusing on theatre, touring productions, and special event venues. Various fundamental arts management techniques and practices through advanced arts management with a focus in promotions and marketing will be discussed as students work to conceptually manage the production and business aspects of a theatre production through scheduling, hiring, safety evaluations, communication skills, reports and contract samples, riders, and a conceptual promotions/marketing campaign development. Students will have the opportunity to learn and reinforce their knowledge of front of production management, to develop their stage and management vocabulary skills and techniques, and to work on the collaborative process of theater production marketing. This course will culminate with students presenting an arts management plan for a proposed new theatre venue, complete with scheduling, staffing, safety, budget, and a fully conceptualized marketing campaign. Presentations will be made for a panel of professional theatre artists, where students will defend their management concepts, processes, and choices.
- DR 350 Jazz (3 Sem. Hrs.)**  
Beginning levels of jazz dance include developing a knowledge base and understanding of fundamental jazz technique including core engagement and proper alignment. Exploring the use of dynamics (including tempo, weight, force, space, flow, and release of energy) and how these dynamics can be used for strength (especially in the core) and flexibility. Start to develop dance auditioning skills that will enhance the student's marketability and ability to pick up choreography quickly. Become knowledgeable of important jazz and movement innovators including Luigi, Jack Cole, Bob Fosse, and Rudolf Laban.
- DR 351 Modern (3 Sem. Hrs.)**  
Modern is geared toward the student with little to no previous modern dance training. The primary aim of this course is to encourage you to begin the guided exploration and development of an artistic and creative movement technique via the synthesis of your physical, cognitive and emotional capacities. Throughout this class, you will study principles, practices, and language common to a variety of modern dance styles. The material for this course is learned through your active participation in all class related activities. This modern dance technique class will consist of numerous movement experiences that increase skills of coordination and alignment while building strength, flexibility, and endurance. Students will also explore the creation of movement phrases through guided movement exercises.
- DR 352 Ballet (3 Sem. Hrs.)**  
An introduction of the basic concepts and principles of classical ballet. The class is designed to develop proper alignment, strength, flexibility, coordination and musicality. Students will increase their knowledge of ballet theory, vocabulary and history through readings and viewings of assigned videos and/or live performances. Students will discover movement as a medium for creative expression of ideas and gain and appreciation of dance as a performing art.
- DR 353 Tap Techniques (3 Sem. Hrs.)**  
This class covers the basic steps of tap technique and how it applies to musical theatre. Students learn coordination, rhythmic variations, and performance skills through a series of tap combinations and exercises. Students will examine the relationship between music, rhythm, and syncopation; become knowledgeable of important tap dances and their influence on the art form; be able to apply and connect individual steps learned in class into a choreographed routine; strengthening weight changes and transitions; and improve ability to pick up choreography quickly as well as to dance as a unified tap ensemble.
- DR 400 Audition and Career Prep for Performers (2 Sem. Hrs.)**  
Designed to give students confidence and integrity for auditions in musical theatre. Choosing appropriate material and preparation for the audition and performance. Through a process driven approach of active investigation of a song the actor will gain skills to prepare and present a dynamic musical theatre audition. The actor will understand the appropriate audition etiquette expected of them to have a successful career in the industry.

- DR 401 Showcase (1 Sem. Hr.)**  
(**Must be taken in the semester in which the student graduates.**) This course is designed to prepare students for their senior showcase, an opportunity for Musical Theatre majors to present their performance skills to those working professionally in the business. Students will meet with industry professionals and interact with them. Students will continue to refine their audition skills and solidify their audition repertoire. The course will culminate in preparing students for regional and professional theatre auditions, summer stock auditions, and graduate program auditions.
- DR 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 workshoping and writing dramatic scenes, outlines, and one-act plays.
- DR 426 Renaissance Drama (3 Sem. Hrs.) (Also listed as EH 426)**  
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.
- DR 442 Special Topics in Theatre (3 Sem. Hrs.)**  
(**Drama and Theatre Arts majors only.**) Designed to offer specialty courses in Theatre and Performing Arts based on student demand or need. Subject matter or content may vary within specific sections/terms as indicated by that course's title and description. Drama and Theatre Arts students enrolled in this course will be able to take the course as an elective in their plan of study.
- DR 450 Internship in Performing Arts (3 Sem. Hrs.)**  
(**Drama and Theatre Arts majors only.**) Designed to provide college credit for Drama students to engage and learn in an internship setting in the Performing Arts. The internship experience must be focused in acting, directing, theatre management, theatre design/production (scenic, lighting, costumes, props, sounds, etc.), marketing, or another area as pre-approved by the instructor of record. The Internship in Performing Arts allows Athens State University students in Drama and Theatre Arts to gain valuable, hands-on, professional career experience during their academic plan of study.
- DR 455 Theatre for Young Audiences (3 Sem. Hrs.) (Also listed as EH 455)**  
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 20th Century, various theories, practices, and applications of theatre for children and adolescents.
- DR 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.
- DR 467 Musical Theatre Performance (2 Sem. Hrs.)**  
Musical Theatre Performance is designed to provide college credit for participation in Athens State University Musical Theatre activities. This course is designed to provide students the opportunities to participate in and learn skills related to Musical Theatre Performance and Production.
- DR 469 Drama Senior Thesis (3 Sem. Hrs.)**  
This course is the culmination of the student's years of study at Athens State University in Drama and Theatre Arts. The Drama Senior Thesis is for Drama and Theatre Arts majors in the General Studies or Theatre Design and Technology Concentrations. The Drama Senior Thesis must be taken during a student's final semester, or during the spring semester in anticipated summer graduation.

## Economics (EC)

- EC 310 Modern Economics (3 Sem. Hrs.)**  
(**Fulfills General Education Area IV Social/Behavioral Science**)  
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.)**  
(**Fulfills General Education Area IV Social/Behavioral Science**)  
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.)**  
(**Fulfills General Education Area IV Social/Behavioral Science**)  
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 Macroeconomics (ECO 231), and Principles of Microeconomics (ECO 232), and EC 321**  
 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.)**  
**Corequisite: UNV 300**  
**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 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 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. Students will understand assessment as it relates to the stages of artistic development in children. Students will understand how to make assessment an integral part of a comprehensive curriculum.
- 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. Consideration of safety in the art classroom as related to procedural use of materials is stressed in this class. **Course includes Lee v. Macon "Positive Behavioral Supports" and "Makes Sense Strategies" training as required by the Alabama State Department of Education.**
- ED 401 Assessment and Action Research (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 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.)**  
*(Fulfills General Education Area I Written Composition I OR Written Composition II)*  
 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 302      Professional Writing (3 Sem. Hrs.)**  
 This course focuses on how experienced writers produce texts and solve problems in the workplace. There is an emphasis in the course on the practical production of commonplace writing like memos, reports, and proposals, but our main purpose is to acquire literacies critical to the flexible problem solving needed in the contemporary workplace. We will learn about the conventions of traditional workplace writing while practicing with the new creative opportunities presented by digital technologies including document and web design. We will explore these issues through a collection of contemporary case studies of communication in the workplace. Major assignment topics in the course will be driven by students' professional and personal interest. Research in the course will be tied to these interests, furthering a student's understanding of their primary field of study. Underscoring all work in the course is a strong foundation in ethics with special attention paid to fair communication practices with peers and when representing the ideas of other writers.
- 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 305      Writing for New Media (3 Sem. Hrs.)**  
*Prerequisites: ENG 101 and ENG 102; or ENG 101 and EH 301; or EH 301 and ENG 102*  
 Writing for New Media focuses on composing for the web using established technologies. Students will build on the skills they have developed in other writing courses to produce polished, published nonfiction work native to new media formats. The primary media may include blogs, wikis, video compositions, or other developing formats. Students will also learn to support composing in these primary media with other kinds of networked communication. An advanced EH course, the class assumes that students are familiar with writing in different genres and can address the needs of various audiences in their writing, understand how to support ideas with reasons and evidence, can use research to develop and explore ideas, can participate effectively in peer review, and understand how to analyze rhetorical strategies. Furthermore, it is assumed that students can produce clear, grammatically correct prose using standard spelling and punctuation. Instruction will focus on building on this foundation to develop advanced rhetorical skills appropriate for new media compositions.
- EH 306      Technical Writing (3 Sem. Hrs.)**  
*Prerequisites: ENG 101 and ENG 102; or ENG 101 and EH 301; or EH 301 and ENG 102*  
 One of the most challenging aspects of workplace writing is communicating the technical aspects of a specialized field of knowledge to a general audience. As professionals become more specialized through education and experience, this act becomes all the more difficult. This course will task students with adapting a range of specialized ideas into documents and other media formats for a wide audience. To do this, students will research and read policy, technical documentation, wikis, instructions, and other common forms of workplace technical writing. Students will practice in producing some of these genres while also exploring best practices for workplace writing in general.
- EH 307      Major Authors I (3 Sem. Hrs.)**  
*(Fulfills General Education Area II Literature or Humanities)*  
 This course is a survey of important literary contributions to world civilizations, beginning with the earliest recorded literature and concluding with the 17th century.
- EH 308      Major Authors II (3 Sem. Hrs.)**  
*(Fulfills General Education Area II Literature or Humanities)*  
 This course is a survey of important literary contributions by influential world writers of the 18th century through the 21st century.
- 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.) (Also listed as DR 313)**  
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.
- 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 315 Grant Proposal Writing (3 Sem. Hrs.)**  
*Prerequisites: ENG 101 and ENG 102; or ENG 101 and EH 301; or EH 301 and ENG 102*  
Rather than simply writing grants, the primary focus of this course is understanding the increasingly complex environment of nonprofit philanthropic funding. Once we begin to understand these complexities, we can turn our attention to the strategies of crafting successful proposals. Students will begin the semester with a preliminary project description that will help them narrow and refine potential ideas for proposals. Students will then pivot to research, and will learn how to conduct research that supports project proposals. Students will learn strategies for successfully interacting with clients and inquiring about funding sources before constructing full proposals. Students will adopt strategies in this course to produce successful writing for a variety of public audiences while using some specific document types as major writing projects.
- 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 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 325 Myth: Ritual and Culture (3 Sem. Hrs.)**  
*(Fulfills General Education Area II Humanities)*  
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.) (Also listed as DR 331)**  
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.).
- 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.)**  
*(Fulfills General Education Area II Humanities)*  
(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 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.) (Also listed as DR 426)**  
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.
- 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: Permission 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.) (Also listed as DR 455)**  
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 20th Century, various theories, practices, and applications of theatre for children and adolescents.
- 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*  
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: Permission 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: Permission 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 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**  
**Field experience is required.** 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.)**  
**Prerequisite: EL 321**  
**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. **Course includes Lee v. Macon "Positive Behavioral Supports" training as required by the Alabama State Department of Education.**
- 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 in grades 4-8. 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 fees)**  
**Prerequisites: Admission to the Teacher Education Program and clearance by the Internship Office**  
 Internship shall equal at least a full semester, full-time in the teaching field for which certification is sought, and may require more than one placement. 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 a University supervisor. Successful completion of the edTPA Portfolio - obtained by a documented approved Alabama SDE cut score - is required for successful completion of Internship. Seminar and edTPA Support Sessions attendance is required.
- EL 483 Internship in Elementary Education (3-6 Sem. Hrs.) (Teaching Internship fees)**  
**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. 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 a University supervisor. Successful completion of the edTPA Portfolio - obtained by a documented approved Alabama SDE cut score - is required for successful completion of Internship. Seminar and edTPA Support Sessions attendance is required.

- EL 484 Curriculum Seminar in Elementary Education (3 Sem. Hrs.)**  
**Prerequisites:** *EL 324 and Admission to the Teacher Education Program*  
**Field experience is required.** 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. **Course includes Lee v. Macon “Makes Sense Strategies” training as required by the Alabama State Department of Education.**

## 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.)**  
**Course requirements include mandatory campus-based training. Consult the College of Education Calendar of Events Webpage for more information.** 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.)**  
**Field experience is required. 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*  
**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 324 Literacy Strategies for the Elementary/Early Childhood Classroom (1 Sem. Hr.)**  
**Prerequisite:** *ED 302*  
Emphasis is given to teaching literacy through researched based strategies. This course examines methods and materials for planning, implementing, and assessing developmentally and culturally appropriate literacy skills. Determining a Central Focus will be examined as well as other literacy skills included in the edTPA portfolio. Emphasis will be on developing the process skills for facilitating literacy learning.
- ER 325 Foundations of Reading for the Emergent Reader (3 Sem. Hrs.)**  
This course is designed to develop the knowledge and skill-based understanding of pre-service teachers as it relates to the best practices of teaching early literacy skills. In this course, students will understand the importance of oral language, print awareness, letter knowledge, phonological awareness, phonics, and why it is essential to incorporate multi-sensory instructional strategies. Students will learn how to apply this information to students on various academic learning levels. This course will also support the Literacy Act.

- 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. **Course includes Lee v. Macon "Positive Behavioral Supports" training as required by the Alabama State Department of Education.**
- ER 330 Children's Constructions of Relationships through Arithmetic and Mathematical Reasoning (3 Sem. Hrs.)**  
*Prerequisites: ED 301, ED 302, and ER 319*  
**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. **Course includes Lee v. Macon "Makes Sense Strategies" training as required by the Alabama State Department of Education.**
- 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 463 Health and Safety in Early Childhood Education Programs (3 Sem. Hrs.)**  
This course introduces students to contemporary issues related to children's health and safety. An emphasis is placed on the promotion of children's healthy development and well-being.
- ER 464 Developmentally Appropriate Practice for Infants and Toddlers (3 Sem. Hrs.)**  
A study of the physical, emotional, social, language, and cognitive factors impacting growth and development of children through adolescence.
- 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 fees)**  
**Prerequisites: Admission to the Teacher Education Program and clearance by the Internship Office**  
Internship shall equal at least a full semester, full-time in the teaching field for which certification is sought, and may require more than one placement. 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 a University supervisor. Successful completion of the edTPA Portfolio - obtained by a documented approved Alabama SDE cut score - is required for successful completion of Internship. Seminar and edTPA Support Sessions attendance is required.

## English for Speakers of Other Languages (ESOL)

- ESOL 322 Second Language Acquisition (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.
- ESOL 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.
- ESOL 328 Linguistics and Pedagogical Grammar for K-6 Educators (3 Sem. Hrs.)**  
**Prerequisite: ESOL 322**  
This course explores the fundamentals of linguistics. Emphasis is placed on phonology, morphology, syntax, semantics, and pragmatics. Candidates will synthesize research-based methods of incorporating linguistic principles into their teaching practices. This course also introduces candidates to pedagogical grammar that is intended to support effective teaching and learning of grammatical forms and functions. The course concentrates on aspects of English grammar that are commonly taught, helping candidates develop greater understanding of how these areas of English grammar work. Moreover, candidates will identify common problems for English learners (ELs) that arise in using English grammar and consider ways of teaching that will help ELs in achieving greater accuracy.
- ESOL 404 Methods and Materials for Teaching English Language Learners (3 Sem. Hrs.)**  
**Prerequisite: ESOL 322 or ESOL 325**  
**Field experience is required for students majoring in the Elementary Education/ESOL K-6 program.** 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.
- ESOL 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.

## 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 Concurrent Enrollment: BUS 276 or 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, permission 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 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: Finite Math (MTH 110) or higher level math course*  
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: BUS 271 or MTH 265 or 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: (BUS 271 or MTH 265 or GBA 305); and (BUS 272 or 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.)**  
*(Fulfills General Education Area II Humanities)*  
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.)**  
*(Fulfills General Education Area IV Social/Behavioral Science)*  
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)**  
*(Fulfills General Education Area IV Social/Behavioral Science)*  
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*  
*(Fulfills General Education Area III Natural Science)*  
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: Permission 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.

**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: Permission 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: UNV 300 or BUS 275 or MG 346**

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: UNV 300 or BUS 275 or MG 346**

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: UNV 300 or BUS 275 or MG 346**

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: UNV 300 or BUS 275 or MG 346**

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 445 Management of Health Care Financial Resources (3 Sem. Hrs.)**

**Prerequisites: MG 303 and MG 350**

This course is designed to help students apply financial and managerial accounting principles to understanding the health care financial environment and analysis of financial statements, including ratio analysis. Operating, revenue, and performance budgeting concepts, controlling operating results, and variance analysis will be applied to health care finances. Benchmarking, cost analysis, forecasting, and financial business planning techniques will be evaluated in the realm of health care management.

**HCM 451 Strategic Planning, Practice, and Marketing in Health Care (3 Sem. Hrs.)**

**Prerequisites: MK 331, HCM 345, HCM 356, and HCM 445**

This course is designed to provide students opportunities to apply marketing, strategic planning and implementation concepts and tools in a variety of real-world health care settings. Students will gain experience in dealing with dynamic and unstructured strategic problems with multiple and conflicting goals in the complex health care environment.

**HCM 455 Health Care Management Internship (3 Sem. Hrs.)**

**Prerequisites: Senior standing plus completion of all 300-level required HCM courses**

**Purchase of liability insurance is required.** The course is designed to give students practical work experience in a variety of health

care settings leading to a potential career in health care management. In addition, students will explore strategies to assess methodologies of healthcare delivery.

**HCM 460 Health Care Management Senior Seminar (3 Sem. Hrs.)**

**Prerequisites: Senior standing plus completion of all 300-level required HCM 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)**

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.) (Special Course 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 429**

**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: BIO 201 or BIO 202 or BI 361/361L**

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. **Course includes Lee v. Macon "Positive Behavioral Supports" and "Makes Sense Strategies" training as required by the Alabama State Department of Education.**
- 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 357 Health Promotion for the P-12 Student (3 Sem. Hrs.)**  
This course aims to provide students with competencies to assess individual, school and community needs, plan and implement health education curriculum, instruction and programs, and evaluate effectiveness of health education programs.
- HPE 390 Curriculum and Instruction in Health Education I (3 Sem. Hrs.)**  
*Prerequisite: HPE 429*  
**Field experience is required.** This course provides an overview of health curriculum with a focus on teaching methods and differentiating instruction for a variety of learning styles. This course includes unit and lesson development, opportunities for instruction, and guidelines for maintaining professional growth. Explores current research in teaching techniques, motivational strategies, and assessment of learning within a diverse population.
- 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 410 Assessment in Health and Physical Education (3 Sem. Hrs.)**  
This course provides preservice teachers with an understanding of assessment strategies and evaluation techniques traditionally used in health and physical education classrooms. This course provides the opportunity to align instructional objectives and outcomes with assessment, administer various motor skill and physical fitness assessments, create and implement developmentally appropriate assessments, and utilize computer applications associated with these assessments.

- HPE 421 Curriculum and Instruction in Health Education II (3 Sem. Hrs.)**  
**Prerequisite: HPE 390**  
**Field experience is required.** This course is for students seeking to teach health education. Course content will provide learners with an opportunity to learn health content, locate and use resource materials, plan and organize instruction, and prepare teaching units and lesson plans for health education in secondary school settings. The course will also cover the role of health education and the components of a comprehensive school health program, characteristics of secondary students, instructional management, and health education advocacy.
- 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.)**  
**Prerequisite: ED 302**  
**Field experience is required.** 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 the following courses prior to registering for this course: HPE 321, HPE 322, HPE 324, and HPE 429)**  
**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 for Physical Education majors only, and that students take the following courses prior to registering for this course: HPE 321, HPE 322, HPE 324, and HPE 429)**  
**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 fees)**  
**Prerequisites: Admission to the Teacher Education Program and clearance by the Internship Office**  
Internship shall equal at least a full semester, full-time in the teaching field for which certification is sought, and may require more than one placement. 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 a University supervisor. Successful completion of the edTPA Portfolio - obtained by a documented approved Alabama SDE cut score - is required for successful completion of Internship. Seminar and edTPA Support Sessions attendance is required.
- HPE 490 Internship in Health (6-12) and Physical Education (P-12) (6-12 Sem. Hrs.) (Teaching Internship Fees)**  
**Prerequisites: Admission to the Teacher Education Program and clearance by the Internship Office**  
Internship shall equal at least a full semester, full-time in the teaching field for which certification is sought, and may require more

than one placement. 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 a University supervisor. Successful completion of the edTPA Portfolio - obtained by a documented approved SDE cut score - is required for successful completion of Internship. Seminar and edTPA Support Sessions attendance is required.

## Health Science (HS)

- HS 320 Biomedical Ethics (3 Sem. Hrs.) (Also listed as PH 320)**  
*(Fulfills General Education Area II Humanities)*  
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 380 Essentials of Health Care Finance (3 Sem. Hrs.)**  
This course is an introduction to financial administrative functions of healthcare organizations at the office, department and service level as well as budgeting and cost analysis for operations and capital expenditures. It also provides an overview of unique healthcare administrative practices, reimbursement issues and methodologies in the healthcare industry.
- 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 455 Health Care Administration Internship (3 Sem. Hrs.)**  
*Prerequisite: Permission of advisor*  
This internship places students in selected healthcare settings supervised by experienced preceptors. Students are exposed to day-to-day administrative operations and participate in organizational projects. Students apply didactic learning to healthcare organization environments. Activities focus on the development of problem-solving, effective communication, and research skills.
- HS 465 Senior Research Project (4 Sem. Hrs.)**  
*Prerequisite: Permission 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.
- HS 481 Health Care Quality Assurance, Risk Management and Utilization Review (3 Sem. Hrs.)**  
This course provides an overview of quality assurance, risk management 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 in the field of quality assurance. Topics include: concepts of the monitoring and evaluation of the quality, timeliness and appropriateness of patient care and services provided in health care organizations; overview of regulatory guidelines and industry standards; current issues in quality measurement and outcomes, as well as risk management, utilization review, patient satisfaction, medical errors, patient safety and data mining.

## Humanities (HU)

- HU 301 Introduction to Individualized Degree Program (3 Sem. Hrs.)**  
**Individualized Degree Program (formerly Liberal Studies) majors should take this course in the first semester.** This is a course in "learning-how-to-learn" and "learning-how-to-plan-professionally". It is designed to help students understand what a liberal arts education means, and to design their plan for graduation and beyond. It is offered as the first of the required core series of two courses for the Individualized Degree Program major, as an online course, and as a foundation for the Capstone course. Students study Adler's and Van Doren's How to Read a Book, and Adler's How to Speak and How to Listen, as well as develop a preliminary Professional Development Plan from self-analysis of what the student wants to achieve in life. The self-analysis will be done through the book Marketing Yourself. Each week students also do a written exercise to practice the techniques they are learning for analyzing



complicated texts and talks across various genres and disciplines.

- 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*  
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*  
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 330 Landmarks of Civilization (3 Sem. Hrs.) (Also listed as HY 330)**  
*(Fulfills General Education Area II Humanities)*  
**(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 Individualized Degree Program Capstone (3 Sem. Hrs.)**  
This capstone seminar for the Individualized Degree Program (formerly Liberal Studies) major, 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 an Individualized Degree Program major.

## Health and Wellness Management (HWM)

- HWM 325 Kinesiology (3 Sem. Hrs.) (Also listed as HPE 325)**  
*Prerequisite: BIO 201 or BIO 202 or BI 361/361L*  
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.)**  
*(Fulfills General Education Area IV History)*  
(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.)**  
*(Fulfills General Education Area IV History)*  
(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.)**  
*(Fulfills General Education Area IV History)*  
(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.)**  
*(Fulfills General Education Area IV History)*  
(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.)**  
*(Fulfills General Education Area IV History)*  
(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.)**  
**(Fulfills General Education Area IV History)**  
 (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.)**  
**(Fulfills General Education Area IV History)**  
 (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)**  
**(Fulfills General Education Area II Humanities)**  
 (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)**  
**(Fulfills General Education Area IV Social/Behavioral Science)**  
 (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: Permission 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*  
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 Systems Management (ISM)

- ISM 400 Information Management (3 Sem. Hrs.)**  
*Prerequisite: AC/MG 302*  
 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*  
 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*  
 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*  
 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*  
 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 408 E-Commerce Systems Management (3 Sem. Hrs.)**  
*Prerequisite: AC/MG 302*  
 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*  
 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 305 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.

- ITE 306 Local Area Networks (2 Sem. Hrs.) (Lab fee)**  
**Prerequisite or Concurrent Enrollment: ITE 305**  
 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.
- ITE 307 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.
- ITE 308 Network Architectures (2 Sem. Hrs.) (Lab fee)**  
**Prerequisite or Concurrent Enrollment: ITE 307**  
 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.
- ITE 313 Data Analysis and Visualization (3 Sem. Hrs.)**  
**Prerequisite: MTH 265 or MA 331 or MA 431 or PS/SO 341 or GBA 305**  
 This course provides an overview of the system and tools used to process, analyze, and visualize data. Topics include simple linear regression, multiple regression, analysis of variance, and statistical design of experiments. These topics are explored using a combination of scripting languages such as Javascript and Python and the statistical package R, with a focus on understanding how to use and interpret output from this software and to visualize results. Concepts are presented in context of real world examples from biology, psychology, sociology, and computer science.
- ITE 315 Scripting Languages and System Administration (3 Sem. Hrs.)**  
**Prerequisite: Computer programming course**  
 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 327 Database Systems (3 Sem. Hrs.)**  
**Corequisite: ITE 327L Prerequisite: CS 317 with minimum grade of C**  
 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 327L Database Systems Lab (1 Sem. Hr.)**  
**Corequisite: ITE 327 Prerequisite: CS 317 with minimum grade of C**  
 In this course, students will have hands on experience in creating databases, applying SQL and more complex queries to run against developed databases. Students will also learn and implement different database programming techniques through hands on lab exercises.
- ITE 350 UX Design (3 Sem. Hrs.)**  
 User Experience Design (UXD or UX) is the process of enhancing user satisfaction by improving the usability, accessibility, and "delight" provided in the interaction between a user and product. It's about making apps intuitive, easy to use, and most of all - effective at solving problems. Throughout the course, students will be introduced to the major knowledge areas of UX Design.
- ITE 365 Visual Application Development (3 Sem. Hrs.) (Lab fee) (Also listed as CS 365)**  
**Prerequisites: CS 318 with minimum grade of C; and ITE 327/327L**  
 This course introduces students to programming in visual, event-driven environments. Students learn concepts of visual programming and underlying design principles 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 367 Enterprise Application Development (3 Sem. Hrs.) (Also listed as CS 367)**  
**Prerequisites: CS 318 with minimum grade of C; and ITE 327/327L or ITE 440**  
 This course provides a broad background in the design, development, and integration of server-side enterprise application. Topics include an introduction to the Java programming language, using enterprise-level features of the Java platform such as servlets, Java Server Pages, and data access technologies. Students will be introduced to the architecture, design, and implementation of web applications, multi-tier application architectures, model-view-controller architecture patterns, database connectivity, and security considerations in the enterprise.
- ITE 371 Health Information Technology Concepts and Practices (3 Sem. Hrs.)**  
**Prerequisites: ITE 321 and HCM 340**  
 The discipline of health information technology is introduced, including history, knowledge of health information technology, data management, vocabularies, standards and tools as applied in the support of health care delivery. The course provides foundation knowledge and understanding of the impact of information technology in the health care industry and vice versa. Attention is paid to

the design, usage and acceptance of information technology applications. This course introduces students to the concepts and practices of health informatics. The coursework will introduce the concept of the Electronic Health Record (EHR), the underlying data model, and the technologies used to implement EHR in practices.

- ITE 382 Mobile Device Software Development (3 Sem. Hrs.) (Also listed as CS 382)**  
**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 405 Internetworking Devices (2 Sem. Hrs.) (Lab fee)**  
**Prerequisite:** ITE 306  
**Prerequisite or Concurrent Enrollment:** ITE 307  
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.
- ITE 406 The Internet (2 Sem. Hrs.)**  
**Prerequisite or Concurrent Enrollment:** ITE 405  
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.
- ITE 407 Network Processes and Protocols (2 Sem. Hrs.) (Lab fee)**  
**Prerequisite:** ITE 308  
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.
- ITE 408 Enterprise Network Design and Management (2 Sem. Hrs.) (Lab fee)**  
**Prerequisites or Concurrent Enrollment:** ITE 308 and ITE 407  
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.
- ITE 409 Network Security (3 Sem. Hrs.)**  
**Prerequisite:** ITE 308 or permission of instructor **Corequisite:** ITE 409L  
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.
- ITE 409L Network Security Lab (1 Sem. Hr.) Corequisite:** ITE 409
- ITE 420 Fundamentals of Information Security (3 Sem. Hrs.)**  
**Prerequisite:** CS 318 with minimum grade of C, or permission 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:** CS 318 with minimum grade of C, or permission 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 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 442 Special Topics in Information Technology (1-3 Sem. Hrs.)**  
**Prerequisite: Permission of instructor**  
 These courses are to be offered on occasion of student demand or need. Topics which may be covered include special applications, networking, gaming, user interaction and cyber security. Course may be repeated as topics will vary.
- ITE 450 Human-Computer Interaction (3 Sem. Hrs.)**  
**Prerequisite: CS 380 or ITE 365 or ITE 367**  
 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, and MA 308, and senior standing, and permission 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)**  
**Prerequisites: ITE 451 and permission of instructor**  
 This course provides students with the opportunity to apply the knowledge and skills mastered in the information technology discipline through development of complex research or 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 research or 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 462 Directed Study/Special Information Technology Project (1-3 Sem. Hrs.)**  
**Prerequisite: Permission of instructor**  
 These courses are to be offered on occasion of student demand or need. The courses are designed to allow students majoring in information technology 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. Course is repeatable up to a maximum of six semester hours.
- ITE 471 Information and Communication Systems in Health Care (3 Sem. Hrs.)**  
**Prerequisites: ITE 327/327L and ITE 371**  
 This course is an applied introduction to the principles of hardware, software, and communications technology related to health care. The course emphasizes the information technologies to implement and maintain computerized medical billing and the design and implementation of system for health care data collection, storage, retrieval, security, presentation, and verification.

## 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.)**  
 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 or Concurrent Enrollment: LSM 320 and LSM 330 and LSM 401*  
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 higher level math course with a grade of C or higher (Fulfills General Education Area III Mathematics)*  
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: MTH 112 or MA 301 with a grade of C or higher (Fulfills General Education Area III Mathematics)*  
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: (MTH 112 or MA 301 with grade of C or higher) and (MTH 113 or MA 302 with 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: MTH 125 or MA 303 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: MTH 126 or MA 304 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: MTH 112 or MTH 113 or MA 301 or MA 302 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: MTH 112 or MA 301 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: MTH 112 or MA 301 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**  
**(Fulfills General Education Area III Mathematics)**  
 (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 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 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**  
 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 or Concurrent Enrollment: 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: MTH 112 or MA 301 or MA 308 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 380**     **Topics in Secondary Math Education (3 Sem. Hrs.)**  
**Prerequisites: Math with Minor in Education majors only, and Calculus II (MTH 126 or MA 304) with a grade of C or higher**  
**This course is only open to students in the Mathematics with Minor in Education program.** This course provides a review of the following topics: Algebra and Number Theory, Analytic Geometry, Trigonometry, Functions, and Calculus.
- MA 401**     **Complex Variables (3 Sem. Hrs.)**  
**Prerequisite: MTH 227 or MA 305 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 422**     **Operations Research (3 Sem. Hrs.)**  
**Prerequisite: MA 330**  
**Prerequisite or Concurrent Enrollment: MTH 237 or MA 310**  
 This course covers topics including linear programming, the simplex algorithm, sensitivity analysis and duality, and Markov chains.
- MA 423**     **Numerical Analysis (3 Sem. Hrs.) (Lab fee)**  
**Prerequisites: (MTH 237 or MA 310) and MA 330**  
**(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: MTH 126 or MA 304 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: MTH 227 or MA 305**  
 This course covers techniques in vector rotation of three-space coordinates, Perron's eigenvalue theorem, data 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 with a grade of C or higher; or (MA 305 and MA 308 with grades 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*  
This course does not satisfy requirements for mathematics major, minor, or general studies. 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: Permission 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 MA 308 with grades 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 with grades of C or higher*  
This course is to be offered on occasion of student demand or need.

## Management of Cybersecurity Operations (MCO)

- MCO 409**    **Management of Cybersecurity (3 Sem. Hrs.)**  
*Prerequisite: AC/MG 302 or ITE 321*  
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.
- MCO 410**    **Cybersecurity Administration and Operations Management (3 Sem. Hrs.)**  
*Prerequisite: AC/MG 302*  
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.
- MCO 411**    **Cybersecurity Strategic Management (3 Sem. Hrs.)**  
*Prerequisite: AC/MG 302*  
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.
- MCO 412**    **Cybersecurity 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.
- MCO 413**    **Cybersecurity Management of 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.

- MCO 414 Management of Cybersecurity Governance (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.

## Management (MG)

- MG 302 Management Information Systems (3 Sem. Hrs.) (Also listed as AC 302)**  
**Prerequisite:** *Windows applications course (CIS 146 or GBA 301)*  
(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 or GBA 301)*  
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:** *(BUS 241 or BUS 242 or AC 305 or AC 306); and (ECO 231 or ECO 232 or EC 310 or EC 320); and Finite Math or higher (MTH 110, MTH 112, MA 311 or higher)*  
(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:** *BUS 276 or MG 349*  
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: BUS 275 or 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 392 Manufacturing Planning in Lean Production (3 Sem. Hrs.)**  
*Prerequisite: LSM 330*  
This course focuses on the various techniques for material and capacity planning in a lean production environment. Topics include manufacturing planning and control, master production scheduling, material requirements planning (MRP), capacity planning and utilization, production activity control, Just-In-Time (JIT) manufacturing planning, order point inventory control methods, and MPC system design and strategy.
- 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 of Business (BUS 263 or GBA 311)*  
 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:** *BUS 271 or MTH 265 or GBA 305*  
 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:** *(BUS 241 or AC 305); and (CIS 146 or GBA 301); and (BUS 275 or MG 346); and (BUS 285 or 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; and (BUS 275 or MG 346); and (BUS 285 or MK 331); and MG 350*  
**(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 the College of Business.* 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 421 Lean Six Sigma White Belt (3 Sem. Hrs.)**  
 This course provides an overview of the Lean and Six Sigma methodologies and prepares learners for advancement into Yellow Belt and Green Belt programs. Topics covered include the history and fundamentals of Lean and Six Sigma, the structure of Lean Six Sigma, and the creation of problem statements.
- MG 422 Lean Six Sigma Yellow Belt (3 Sem. Hrs.)**  
**Prerequisite:** *MG 421*  
 This course builds upon concepts learned in the Lean Six Sigma White Belt course and prepares learners to use basic measuring tools for collecting data and progressing through the problem-solving process. Topics covered include processes, how Six Sigma projects can improve processes, critical to quality characteristics, tools and methods for project selection, and the Define, Measure, Analyze, Improve, and Control (DMAIC) methodology.
- MG 423 Lean Six Sigma Introduction to Green Belt (3 Sem. Hrs.)**  
**Prerequisite:** *MG 422*  
 This course builds upon concepts learned in the Lean Six Sigma Yellow Belt course and explores the tools and methodologies needed to lead Lean Six Sigma projects. Learners will study the problem-solving framework for improving processes - Define, Measure, Analyze, Improve, and Control (DMAIC). Learners will execute a Lean Six Sigma project to reduce or eliminate waste, lower defects in an organization's products or processes, or improve customer satisfaction.

- 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 450 Strategic HR Competencies and Professional Certification (3 Sem. Hrs.)**  
*Prerequisites: 500 hours relevant HR experience as prescribed by the Society for Human Resource Management; and approval of department*  
*Prerequisite or Concurrent Enrollment: MG 449*  
This course will provide the student with both the operational and strategic framework of the human resources professional based on SHRM HRM Competencies and related content preparation for professional certification in human resources. Topics to be included are: HR Strategic Planning, Talent Acquisition, Employee Engagement and Retention, Learning and Development, Total Rewards, Structure of the HR Function, Organizational Effectiveness and Development, Workforce Management, Employee and Labor Relations, Technology Management, HR in the Global Context, Diversity and Inclusion, Richs Management, Corporate Social Responsibility, and US Employment Laws and Regulations.
- 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: (BUS 263 or GBA 311); and MG 470*  
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*  
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 Course fee)**  
*Prerequisite: MG 470*  
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: (BUS 275 or 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*  
This courses 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**  
 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 (1 Sem. Hr.)**  
**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.
- MG 481 Spacecraft Environments (3 Sem. Hrs.)**  
 This course introduces the beginning aerospace-aviation systems management student to the natural and operational phenomena that affect spacecraft systems operating in near Earth and planetary orbits. Emphasis is placed on those environmental factors which are major considerations in the design and operation of space systems. The natural factors treated include the effects of high vacuum, microgravity, the magnetosphere, Solar heating, particle radiation, atmospheric drag and Earth oblateness. The effects of the Sun on the upper atmosphere and on the magnetosphere will be outlined. Hazards to orbiting spacecraft caused by space debris and unusual Solar and galactic activity will be presented. The operational environment during launch and re-entry which creates severe structural and thermal demands on the spacecraft will be examined.

## 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 335 Integrated Marketing Communications (3 Sem. Hrs.)**  
 This course covers the communication process model and how to orchestrate an effective marketing message through the process. It describes the different delivery platforms and how to assure that the marketing message remains consistent regardless of the communication platform used. The completion of a project communication plan is a part of this course.
- MK 337 Digital Marketing (3 Sem. Hrs.)**  
 This course identifies the different digital marketing platforms and how to strategically use each platform to deliver a marketing message. The course will cover the design of an effective digital marketing campaign, how to implement the campaign, how to measure the effectiveness of the campaign using marketing analytics and how to conduct a recap of the campaign.
- MK 431 Marketing Research (3 Sem. Hrs.)**  
**Prerequisites: (BUS 271 or MTH 265 or GBA 305); and (BUS 285 or MK 331)**  
 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 433 Marketing Strategies and Policies (3 Sem. Hrs.)**  
**Prerequisite: Marketing Principles (BUS 285 or MK 331)**  
 The course examines various policies and problems requiring decisions by marketing managers. Particular emphasis will be given to advertising and promotional strategies.
- MK 434 Sales Management (3 Sem. Hrs.)**  
 This course covers the sales process and its integration with other business functions. Sales strategies and closing styles are discussed. Sales activities such as prospecting, calling, meetings and lead generation are included. Learning how to make a sales pitch, setting sales goals and conducting sales presentations are covered as is the measurement of sales results.
- 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 300 Vocal Class (3 Sem. Hrs.)**  
**Corequisite: MU 300L**  
 Vocal Class/Vocal Lab will expose students to the appoggio technique of inhalation/exhalation along with the 19th-century Italian



technique known as bel canto. Considerable attention will be given to the three divisions of the pharynx and its role in developing the singer's formant. The student will be taught the anatomy/physiology involved in singing and psychology of singing and performing on stage. The student will be expected to practice vocal exercises which will aid in developing great singing technique.

**MU 300L** **Vocal Lab (1 Sem. Hr.)** *Corequisite: MU 300*

**MU 302** **Choral Class (3 Sem. Hrs.)**

*Corequisite: MU 302L*

**Audition is required.** This course is a performing ensemble open to all students. Chorale is required for all voice minors as well as scholarship recipients.

**MU 302L** **Choral Lab (1 Sem. Hr.)** *Corequisite: MU 302*

**MU 306** **Conducting Course (3 Sem. Hrs.)**

The Conducting Course will address the fundamental task of the conductor, provide specific techniques regarding conducting patterns, teach the function of each hand, and address correct usage of the baton. The course will also help the student identify conducting behaviors of successful conductors. Other areas that will be addressed include score preparation and rehearsal techniques (video-micro rehearsal).

**MU 310** **Digital Recording and Editing (3 Sem. Hrs.)**

Digital Recording & Editing is a lecture/lab course designed to build upon student's knowledge of the concepts and current trends of audio technology with a primary focus on combining various processes and tools to create new music compositions while speculating on the cultural, performance, and philosophical implications of music technology. This course is designed to teach upper level computer sequencing techniques. Emphasis will be placed on projects in which students will be expected to sequence post production audio for use in live theater productions. Topics include the acoustics of sound, digital audio, synthesis, sampling, MIDI (in performance and editing), the digital audio workstation, digital audio hardware, digital audio software and more.

**MU 311** **Foundations of Audio Technology (3 Sem. Hrs.)**

Foundations of Audio Technology is a lecture/lab course designed to build upon a student's knowledge of the concepts and current trends of audio technology with a primary focus on combining various processes and tools to create new music compositions while speculating on the cultural, performance, and philosophical implications of music technology. An investigation into the history, culture, and aesthetics of music and technology as deployed in experimental and popular music from the 19th century to the present. Through original research, creative hands-on projects, readings, and lectures, the following topics will be explored: the history of radio, audio recording, and the recording studio, as well as the development of musique concrète and early electronic instruments; the creation and extension of musical interfaces, both physical and virtual; the exploration of electromagnetic technologies in pickups, and the development of dub, hip-hop, and turntablism; the history and application of the analog synthesizer, from the Moog modular to the Roland TR-808; the history of computer music, including music synthesis and representation languages; historical and contemporary practices in live electronics, circuit bending, and electro-acoustic music; contemporary issues in copyright and intellectual property.

**MU 312** **Audio Mastering (3 Sem. Hrs.)**

Audio Mastering is a survey of the final creative step in audio production before it is delivered to manufacturing. This course will cover the fundamental concepts behind building a mastering suite, critical listening, frequency and dynamics adjustment, sequencing, and delivery.

**MU 315** **Private Vocal I (2 Sem. Hrs.)**

First semester of a two semester sequence designed to develop vocal training skills, including but not limited to, accuracy in all aspects of musicianship (reading, rhythms, etc.), use of breath in singing, ability to color the voice in response to text, tradition or style period, awareness of the rules of pronunciation, strengthening aspects of vocal technique as needed by the student, an understanding of the poetry in any given song, and other aspects of quality singing tailored to the individual needs of the student.

**MU 316** **Private Vocal II (2 Sem. Hrs.)**

*Prerequisite: MU 315*

Second semester of a two-semester sequence designed to develop vocal training skills, including but not limited to, accuracy in all aspects of musicianship (reading, rhythms, etc.), use of breath in singing, ability to color the voice in response to text, tradition, or style period, awareness of the rules of pronunciation, strengthening aspects of vocal technique as needed by the student, an understanding of the poetry in any given song, and other aspects of quality singing tailored to the individual needs of the student.

**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.

**MU 499** **Audio Internship (3 Sem. Hrs.)**

This course provides a solid foundation of practical techniques for the new to intermediate recordist including signal flow analysis, optimization, structuring a session, budgeting time and finances, acoustics, mixing, and editing. The course is grounded in traditional rudiments and fundamentals, but focused on production that is nimble and forward thinking enough for the digital age. In addition to the technology, the course examines the musical, interpersonal, and organizational skills needed to make a record successfully - skills that extend beyond the realm of music production. Additionally, the course examines applications of audio technology beyond the realm of music production, including audio post-production for video and podcasting. The course focuses on imparting skills that can be applied to any digital audio workstation (DAW).

## Nursing (NUR)

### **NUR 370 Healthcare Informatics (3 Sem. Hrs.)**

**Prerequisite:** *BSN Nursing majors only*

This course provides knowledge and skills for the use of patient care technologies utilized in diagnosis and interventions, information technology systems, including electronic health records, and healthcare decision-support systems used to gather knowledge that guides clinical practice. Telemedicine concepts and social media utilization in clinical care are also investigated.

### **NUR 410 Community Health Management (3 Sem. Hrs.)**

**Prerequisite:** *BSN Nursing majors only*

This course provides a broad perspective on population-focused care in nursing practice, with emphasis on health promotion, disease prevention, and the importance of primary prevention. Determinants of health and available resources of health are identified in the public health and community settings across the lifespan and strategies for effective deployment and access of resources are evaluated.

### **NUR 440 Leadership in Practice (3 Sem. Hrs.)**

**Prerequisite:** *BSN Nursing majors only*

This course provides an in-depth understanding of leadership in health care, particularly focused on evidence-based practice within the framework of ethics and professionalism. Linkages among leadership, practice, research evidence, patient outcomes, and cost containment will be explored.

### **NUR 460 Nursing Capstone (3 Sem. Hrs.)**

**Prerequisite:** *BSN Nursing majors only*

This course provides the framework for synthesizing the program concepts and using those concepts in an experiential learning activity within the healthcare community and an action-based collaborative project.

## Occupational Health and Safety Management (OHSM)

### **OHSM 300 Creating and Maintaining a Culture of Safety (3 Sem. Hrs.)**

This course is a study of the essential safety practices, causal factors, and preventable measures related to occupational health and safety practices. 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 occupational health and safety professionals, as well as specific focus on the role of managers in the administration of human resource activities.

### **OHSM 350 Risk Management and Security in the Workplace (3 Sem. Hrs.)**

This course is a study of current trends in security including growth, government involvement, and best practices in the safety profession. The relationship between private/internal security and public law enforcement responsibilities will be examined. This course will also cover the steps in developing a risk management strategy and business continuity plans.

### **OHSM 373 Hazard Analysis and Regulatory Compliance (3 Sem. Hrs.)**

This course is a study of employer and employee rights and responsibilities regarding the Occupational and Safety Health Act. Employer responsibilities as it relates to the general duty clause and OSHA record keeping requirements to maintain governmental compliance will be examined. The identification of hazards and their utilization to correct OSHA standards related to general industry applications will be covered.

### **OHSM 385 Environmental Conservation Management (3 Sem. Hrs.)**

**Prerequisite:** *OHSM 300*

The course will examine the impact of industrial pollution, EPA engineering control strategies, and environmental conservation principles to manage solid waste, hazardous waste, water pollution, air pollution, and radiological sources.

### **OHSM 391 Ergonomics and Human Factors (3 Sem. Hrs.)**

A study of workplace design as it relates potential for musculoskeletal injury/illness as well as their remediation.

### **OHSM 405 Injury Damage Incidents Evaluation and Reporting (3 Sem. Hrs.)**

This course examines aspects of accident investigation from theory to organizing, gathering, and analyzing data, to reporting, recommendations and follow up. The student will learn the value of accident investigation and how to conduct a thorough investigation in the workplace to identify root causes and corrective actions to prevent reoccurrence. Fundamentals of workers compensation will be introduced.

### **OHSM 422 Safety Training and Development (3 Sem. Hrs.)**

This course examines safety training and development throughout organizations and all levels as mandated by federal, state, and local governments.

### **OHSM 425 Industrial Health Technology Management (3 Sem. Hrs.)**

**Prerequisite:** *OHSM 300*

This course focuses on the management of environmental health as it relates to chemical exposures, industrial ventilation, indoor air quality, and the physical properties of contaminants found in the industrial work environment. As a result, the student will be skilled in the development, integration, evaluation, management and cost containment strategies of the industrial hygiene function within an organization.

## Philosophy (PH)

- PH 300 Moral Values in Today's Society (3 Sem. Hrs.)**  
*(Fulfills General Education Area II Humanities)*  
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)**  
*(Fulfills General Education Area II Humanities)*  
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)**  
*(Fulfills General Education Area II Humanities)*  
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: Permission 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 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 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 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 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 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)**  
*(Fulfills General Education Area IV Social/Behavioral Science)*  
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.)**  
*(Fulfills General Education Area IV Social/Behavioral Science)*  
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 305 Human Sexuality (3 Sem. Hrs.)**  
This course examines human sexuality from psychological, biological, behavioral, social, and historical perspectives. Topics include sexual research, cultural and theoretical perspectives, values and sex, love, communication and intimacy, sexual anatomy and physiology, sexually transmitted diseases, patterns of sexual response, sexual disorders and therapies, the development of sexuality, sexual orientation, sexuality and the law, coercive sexual behavior, and other contemporary social issues in sexuality.
- 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.)**  
*(Fulfills General Education Area IV Social/Behavioral Science)*  
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 SO 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.
- PS 342 Methods of Behavioral Science Research (3 Sem. Hrs.) (Lab fee) (Also listed as SO 342)**  
*Prerequisite: It is strongly recommended that students take PS/SO 341 prior to taking PS/SO 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 350 Forensic Psychology (3 Sem. Hrs.)**  
This course is designed to provide a general introduction to theory, research findings, and methods used in Forensic Psychology. This course examines the interaction of the practice or study of psychology and the criminal justice system. Topics covered will include investigative, legal, criminal and correctional psychology, as well as victim services.
- PS 351 Mental Health in the Prison System (3 Sem. Hrs.)**  
This course is designed to provide a critical and focused review of knowledge and best practice in the field for mental health and corrections professionals. This course will address concerns with policy and management of services for these offenders while providing a review of approaches to specific mental problems, and review evidence of effectiveness.
- 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 353 The Psychology of Sexual Aggression (3 Sem. Hrs.)**  
This course is designed to provide students with a general introduction to the psychology of sexual assault and the response of the criminal justice system to sex crimes. This course will examine the psychological impact of sexual assault on victims as well as the psychology of perpetrators of sexual assault. Topics covered will include sexual assault definitions and myths, victim response and recovery, profiles of rapists and child molesters, as well as prosecution and treatment of sexual offenders.
- 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 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.)**  
*Prerequisite: PS 352*  
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 425 Tests and Measurements (3 Sem. Hrs.) (Lab fee)**  
*Prerequisite: PS/SO 341*  
This course is designed as an introduction to psychological testing. Emphasis will be placed on the design, analysis, and interpretation of psychological tests. Topics will include aptitude, ability, personality, memory, and intelligence.
- 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: Permission 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 377 Public Administration (3 Sem. Hrs.)**  
This course is an examination of the major issues and concepts associated with the management of governmental agencies.
- PSHA 380 Public Budgeting and Finance (3 Sem. Hrs.)**  
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, OHSM, 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)**  
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.)**  
*Prerequisites: Public Safety Health Admin. major and permission 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.)**  
*(Fulfills General Education Area II Humanities)*  
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.)**  
*(Fulfills General Education Area II Humanities)*  
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.)**  
*(Fulfills General Education Area II Humanities)*  
This course is an examination of current religious issues and movements which are influential in the thought and practice of modern society.
- 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 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 320 Church Management and Finances (3 Sem. Hrs.)**  
This course will provide students with an overview of the theory and practice of administration in the local church and other non-profits by exploring the best practices of leadership, finances, and administration. Additional topics to be addressed include goal setting, team building, delegation, human relationships, resourcing, budgeting, working with committees, legal issues, personnel management, church operations, and the training of leaders.
- RE 325 Philosophy of Religion (3 Sem. Hrs.) (Also listed as PH 325)**  
*(Fulfills General Education Area II Humanities)*  
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 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 Religious Studies Project (3 Sem. Hrs.)**  
This course will allow students to receive credit for work-based experience in a particular area of religious studies. A few examples would be working in non-profit organizations, working with a professional in some area of church work, working with a religious organization who does outreach ministries to the homeless or organizations that promote dialogue between peoples of different faith, etc.
- 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 426 Social Change and Transformational Leadership (3 Sem. Hrs.)**  
This course is a study of social change and leadership challenges and principles concerning change. Leadership philosophies and techniques will be explored from the life of people who have provided transformational leadership. Martin Luther King, Jr., Ghandi, Mother Theresa, and Nelson Mandela provide a sampling of transformational leaders we will be studying. The primary aid of this course is to identify and examine leadership principles that lead to transformational change in organizations and communities. The course will look at the philosophical, social, psychological, theological and spiritual aspects of leadership.
- 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 Language and Grammar (3 Sem. Hrs.)**  
This course is an inductive approach, utilizing the Biblical narratives, especially in Genesis and the Books of Kings.
- RE 431 Directed Studies in Translating Texts from Hebrew Bible (3 Sem. Hrs.)**  
**Prerequisite: RE 430**  
This course emphasizes conjugations, syntax, and morphology, Hebrew poetry, and Hebrew narrative.
- RE 440 The Language and Grammar of the New Testament (3 Sem. Hrs.)**  
This course is for beginners. Greek grammar utilizes New Testament vocabulary.
- RE 441 Directed Studies in Translating New Testament Texts (3 Sem. Hrs.)**  
**Prerequisite: RE 440**  
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: Permission 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: Permission 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: Permission 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.)**  
**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. **Course includes Lee v. Macon "Positive Behavioral Supports" training as required by the Alabama State Department of Education.**
- SC 333     **Teaching Reading/Writing in the Content Areas (3 Sem. Hrs.)**  
*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.** 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. **Course includes Lee v. Macon "Makes Sense Strategies" training as required by the Alabama State Department of Education.**
- 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.)**  
*Prerequisites: ED 301 and ED 302*  
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 and SC 400*  
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 fees)**  
**Prerequisites: Admission to the Teacher Education Program and clearance by the Internship Office**  
Internship shall equal at least a full semester, full-time in the teaching field for which certification is sought, and may require more than one placement. 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 a University supervisor. Successful completion of the edTPA Portfolio - obtained by a documented approved Alabama SDE cut score - is required for successful completion of Internship. Seminar and edTPA Support Sessions attendance is required.

## Special Education (SE)

- SE 301 Survey of Exceptional Learners (3 Sem. Hrs.)**  
**Note: Field experience may be required depending on a student's major.** 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. **Course includes Lee v. Macon "Addressing Disproportionality in Alabama Schools" training as required by the Alabama State Department of Education.**
- 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.)**  
**Prerequisite or Concurrent Enrollment: 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.)**  
**Prerequisite: Math or reading course (ER 323 or EL 324)**  
**Prerequisite or Concurrent Enrollment: SE 301**  
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.)**  
**Prerequisite: 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. **Course includes Lee v. Macon "Makes Sense Strategies" training as required by the Alabama State Department of Education.**
- 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 and SE 355**  
**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.
- 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.)**  
 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.)**  
 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.)**  
 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 fees)**  
**Prerequisites: Admission to the Teacher Education Program and clearance by the Internship Office**  
 Internship shall equal at least a full semester, full-time in the teaching field for which certification is sought, and may require more than one placement. 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 a University supervisor. Successful completion of the edTPA Portfolio - obtained by a documented approved Alabama SDE cut score - is required for successful completion of Internship. Seminar and edTPA Support Sessions attendance is required.
- SE 477 Internship for Collaborative Education K-6 (3-6 Sem. Hrs.) (Teaching Internship fees)**  
**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. 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 a University supervisor. Successful completion of the edTPA Portfolio - obtained by a documented approved Alabama SDE cut score - is required for successful completion of Internship. Seminar and edTPA Support Sessions attendance is required.
- SE 478 Internship for Collaborative Education 6-12 (6-12 Sem. Hrs.) (Teaching Internship fees)**  
**Prerequisites: Admission to the Teacher Education Program and clearance by the Internship Office**  
 Internship shall equal at least a full semester, full-time in the teaching field for which certification is sought, and may require more than one placement. 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 a University supervisor. Successful completion of the edTPA Portfolio - obtained by a documented approved Alabama SDE cut score - is required for successful completion of Internship. Seminar and edTPA Support Sessions 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 "Positive Behavioral Supports" training as required by the Alabama State Department of Education.**

## Sociology (SO)

- SO 301 Gender and Multicultural Studies (3 Sem. Hrs.) (Also listed as PS 301)**  
**(Fulfills General Education Area IV Social/Behavioral Science)**  
 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.)**  
**(Fulfills General Education Area IV Social/Behavioral Science)**  
 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 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 PS 342)**  
**Prerequisite: It is strongly recommended that students take PS/SO 341 prior to taking PS/SO 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.)**  
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.)**  
*(Fulfills General Education Area IV Social/Behavioral Science)*  
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)**  
An overview of the phenomenon called globalization, using a corollary examination of culture as one of the main catalysts which increases the interdependence of people's lives, making more obvious the interplay of micro- and macro-level social forces.
- 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: Permission 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.

## Social Science (SS)

- SS 400 Culture and Globalization (3 Sem. Hrs.) (Also listed as SO 400)**  
An overview of the phenomenon called globalization, using a corollary examination of culture as one of the main catalysts which

increases the interdependence of people's lives, making more obvious the interplay of micro- and macro-level social forces.

- 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**  
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.
- SS 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.

## University Success (UNV)

- UNV 300AS Pathways to Success - AS (3 Sem. Hrs.) (For students majoring in College of Arts & Sciences programs)**
- UNV 300BU Pathways to Success - BU (3 Sem. Hrs.) (For students majoring in College of Business programs)**
- UNV 300ED Pathways to Success - ED (3 Sem. Hrs.) (For students majoring in College of Education or College of Arts & Sciences secondary education programs)**  
This course serves as an introduction on how to succeed as a student at Athens State University. It is designed to guide you through the necessary skills, techniques, and expectations to succeed at university and in your chosen career. This course will cover career and advising pathways, financial literacy, information literacy, technological literacy (including the technology used at Athens), cultural communications, and intellectual discourse. You will employ teamwork, online learning, and organization skills to complete coursework.
- UNV 400AS Career Seminar - AS (1 Sem. Hr.) (For students majoring in College of Arts & Sciences programs)**
- UNV 400BU Career Seminar - BU (1 Sem. Hr.) (For students majoring in College of Business programs)**
- UNV 400ED Career Seminar - ED (1 Sem. Hr.) (For students majoring in College of Education or College of Arts & Sciences secondary education programs)**  
**Prerequisite: UNV 300AS or UNV 300BU or UNV 300ED**  
This course focuses on career development and is designed to complement UNV 300, Pathways to Success. This seminar will better prepare students for their careers after graduation. The focus of the seminar will be to help students gain essential career skills including resume writing, cover letter writing, and interview skills. This course will be supported by expanded professional development for students in close connection with career services.

# Index

<b>Introduction and General Info .....</b>	<b>1-35</b>
<b>College of Arts and Sciences .....</b>	<b>36-133</b>
<b>College of Business.....</b>	<b>134-168</b>
<b>College of Education.....</b>	<b>169-207</b>
<b>Minors .....</b>	<b>208-230</b>
<b>Course Descriptions.....</b>	<b>231-301</b>

## **A**

### Academic

Advising .....	16
Advising, College of Business.....	136
Bankruptcy.....	16
Calendar .....	16
Course Forgiveness.....	16
Credit .....	12, 16
Honesty.....	16
Honors and Awards .....	17
Policies.....	16
Probation .....	22
Records.....	13
Standards of Academic Performance .....	22
Suspension.....	22
Accessibility/Disability Statement .....	2
Accessibility Services .....	34
Accounting (AC)	
AC Course Descriptions .....	232
Bachelor of Science (no minor) .....	138
Bachelor of Science w/minor .....	141
Certificate .....	166
Minor .....	210
Accreditation .....	1
Acquisition and Contract Management (ACM)	
ACM Course Descriptions .....	233
Bachelor of Science .....	143
Certificate .....	166
Minor .....	210
Advanced Manufacturing Management (AMM)	
AMM Course Descriptions.....	234
Bachelor of Science .....	145
Minor .....	210
Advanced Placement .....	12
Adult Degree Program (ADP) .....	35
ADP Course Descriptions .....	234
Admission .....	8
Certificate-seeking Students.....	9
Degree-seeking Students.....	8
Conditional Admission.....	8
International Students.....	9

Regular Admission .....	8
Restricted Admission .....	8
Non-degree seeking Students.....	9
Certification Development .....	10
Level 3 Certification .....	9
Personal Enrichment .....	10
Provisional Certificate in	
Teaching Field.....	9
Recertification .....	10
Transient/Visiting from Another	
Institution .....	10
Readmission.....	10
Students on Probationary Status.....	11
Aerospace Systems Management Minor.....	210
Art (AR)	
AR Course Descriptions.....	234
Art History Minor.....	211
Bachelor of Arts (BA)	
Art.....	41
With Minor in Education .....	43
Bachelor of Fine Arts (BFA)	
Art.....	46
Concentration in Ceramics .....	47
Concentration in Graphic	
Design.....	48
Concentration in Painting and	
Drawing .....	48
Concentration in Multimedia	
Production.....	48
Minor .....	211
Appeal of Academic Suspension .....	11
Appeals, Final Grade .....	18
Application Design Minor .....	211
Articulation (STARS).....	2
Assessment .....	23
College of Business .....	135
Athens State University	
Accreditation .....	1
Buildings and Facilities.....	6
History .....	5
Institutional and Learning Goals.....	4
Vision and Mission Statements .....	4
Attendance (see Course Attendance)	
Audited Courses.....	17
Autism and Developmental Disabilities	
Certificate .....	206
Minor .....	212
Aviation Management Certificate.....	166

**B**

Bankruptcy (see Academic)	
Behavioral Science	
Bachelor of Science .....	50
Minor .....	212
Biology (BI)	
Bachelor of Science .....	52
Bioinformatics Option .....	54
Cellular/Developmental Option .....	56
Ecology/Organismal Option .....	58
With Minor in Education .....	60
BI Course Descriptions.....	239
Minor .....	212
Business Administration Minor .....	213

**C**

Cancellation of Courses .....	18
Career Development Center.....	35
Career/Technical Education (CE)	
Course Descriptions	
(see also Technical Education) .....	243
Catalog (Time Limit) Requirement.....	18
Certificates (College of Arts and Sciences)	
Biblical Studies.....	132
Children’s Advocacy Studies Training .....	132
Health Care Administration .....	132
Information Security.....	132
Interactive Design.....	133
Pastoral Leadership .....	133
Certificates (College of Business)	
Accounting.....	166
Acquisition and Contract Mgmt. ....	166
Aviation Management .....	166
Cybersecurity Operations .....	166
Government Contract Accounting.....	167
Human Resource Mgmt.....	167
Logistics & Supply Chain Mgmt. ....	167
Management of Technology.....	167
Marketing .....	168
Project Management.....	168
SAP Student Achievement Recognition...	168
Certificates (College of Education)	
Autism & Developmental Disabilities .....	206
Early Childhood Teacher Assistant .....	206
Educational Technology .....	206
English Language Learner .....	206
Instructional Design.....	207
Instructional Technology .....	207
Certification (College of Education).....	171

Change of Program	
(Major/Minor/Concentration/Catalog Year) ....	17
Chemistry (CH)	
Bachelor of Science.....	64
With Minor in Education .....	66
CH Course Descriptions .....	246
Minor .....	213
Children’s Advocacy Studies Training	
(CAST) .....	132
CAST (CA) Course Descriptions .....	242
Choice Act .....	25, 33
Classification (Student) .....	23
Collaborative Teacher (see Special Education)	
College Level Examination Program (CLEP) .....	12
College of Arts and Sciences .....	36
Certificates.....	132
Degree Programs .....	40
Distance Education .....	39
Interdisciplinary Programs.....	39
Mission Statement.....	38
College of Business .....	134
Academic Advising .....	136
Assessment .....	135
Certificates.....	166
Degree Programs .....	137
Distance Education .....	135
Mission Statement.....	135
Scheduling .....	136
College of Education .....	169
Certificates.....	206
Certification .....	171
Degree Programs .....	173
Distance Education .....	172
Field Experience.....	171
Internship (Student Teaching) .....	171
Mission Statement.....	170
Praxis II Requirements .....	172
Professional Review Board .....	171
Support for Beginning Teachers .....	172
Teacher Education Program (TEP) .....	170
Admission to TEP .....	171
Transfer of Academic Credit for	
Education majors.....	172
Computer Forensics Minor .....	213
Computer Networking (CN) Course	
Descriptions .....	234
Computer Networking Minor .....	214



Computer Science.....	69
Bachelor of Science .....	70
Concentration in Cybersecurity.....	72
Concentration in Intelligent Systems .....	72
Concentration in Software and Systems .....	71
CS Course Descriptions.....	250
Minor .....	214
Continuing Education Units (CEUs).....	12
Cooperative (Co-op) Education (CP)	
CP Course Descriptions.....	249
Course Attendance .....	17
Course Descriptions.....	220
Course Forgiveness.....	16
Course Hour Load/Overload.....	18
Criminal Justice (CJ)	
Bachelor of Science .....	73
Juvenile Justice Studies Option .....	75
CJ Course Descriptions .....	247
Minor .....	215
Curriculum Adjustment .....	18
Cybersecurity Minor .....	215

## **D**

Degree Completion Time	
Limit Requirement.....	18
Degree Options.....	18
Degrees with Honor.....	17
Department of	
Behavioral Sciences .....	38
Humanities and Social Sciences.....	38
Fine and Performing Arts.....	38
Mathematical, Computer, and Natural Sciences .....	38
Direct Student Loan .....	27
Directed Study Courses.....	18
Directory Information Opt-Out.....	14
Disability Services (see Accessibility Services)	
Disability Statement (see Accessibility)	
Distance Learning .....	18
Double (Second) Major.....	21
Drama and Theatre Arts (DR)	
Bachelor of Arts.....	77
Concentration in Musical Theatre .....	78
Concentration in Theatre Design And Technology.....	79
Concentration in Theatre General Studies.....	79
Drama Minor .....	215
DR Course Descriptions .....	253

Drop and Add (see Registration)	
DSST (formerly DANTES Subject Standardized Tests) Tests .....	12

## **E**

Early Childhood Education (P-3) (ER)	
Bachelor of Science in Education.....	174
ER Course Descriptions.....	262
Minor .....	216
Early Childhood/Special Education Minor .....	216
Early Childhood Teacher Assistant Certificate .....	206
Economics (EC) Course Descriptions.....	255
Education (ED) Course Descriptions .....	256
Educational Studies	
Bachelor of Science in Education.....	201
Educational Technology	
Certificate .....	206
Minor .....	217
Elementary/Collaborative (K-6)	
Bachelor of Science in Education.....	178
Elementary Education (K-6) (EL)	
Bachelor of Science in Education.....	176
EL Course Descriptions .....	260
English (EH)	
Bachelor of Arts .....	80
EH Course Descriptions.....	258
Minor .....	217
English/Language Arts	
Bachelor of Arts .....	82
With Minor in Education .....	84
English Language Learner (ELL)	
Certificate .....	206
Minor .....	218
English for Speakers of Other Languages (ESOL)	
Course Descriptions.....	264
Enterprise Systems Management (ESM)	
ESM Course Descriptions.....	264
Minor .....	219

## **F**

FERPA (see Privacy of Student Records)	
Federal Work-Study (See Student Financial Aid)	
Field Experience (see College of Education)	
Final Grade Appeals .....	18
Finance (FIN) Course Descriptions.....	265
Finance Minor .....	219
Financial Aid (see Student Financial Aid)	
Financial Aid Consortium .....	11
Fingerprinting, College of Education .....	170
Forensic Accounting Minor.....	219

Forensics and Investigation Minor .....	219
Forensic Psychology Minor .....	220
Former Students .....	10

## **G**

Gender and Multicultural Studies Minor .....	220
General Business (GBA)	
Course Descriptions.....	266
General Education Requirements.....	24
General Science (GS) Course Descriptions.....	266
General University Requirements for	
Graduation.....	19
Geography (GO) Course Descriptions .....	266
Gerontology Minor .....	221
Globalization Minor .....	221
Government Contract Accounting	
Certificate .....	167
Minor .....	222
Grade Appeals (see Final Grade Appeals)	
Grades.....	19
Grade Point Average.....	19
Graduation Application .....	20

## **H**

Harassment and Discrimination .....	2
Health Care Administration Certificate .....	135
Health Care Management (HCM)	
Bachelor of Science .....	147
HCM Course Descriptions.....	267
Minor .....	222
Health Fitness Minor .....	222
Health (6-12) & Physical Education (P-12) (HPE)	
Bachelor of Science in Education .....	180
HPE Course Descriptions .....	268
Health Science (HS)	
Bachelor of Science .....	87
Health Care Administration	
Option .....	89
HS Course Descriptions.....	271
Health and Wellness Management (HWM)	
Bachelor of Science .....	91
HWM Course Descriptions .....	272
History (HY)	
Bachelor of Arts .....	93
Public History Option .....	95
With Minor in Education .....	97
HY Course Descriptions .....	273
Minor .....	222
Holds on Grades/Transcripts .....	15, 26
Homeland Security and Administration	
Minor .....	223

Human Development Minor .....	223
Human Resource Management	
Bachelor of Science.....	149
Certificate .....	167
Minor .....	224
Humanities (HU) Course Descriptions .....	271

## **I**

Incomplete (Grade).....	19
Individualized Degree Program (formerly	
Liberal Studies) .....	100
Bachelor of Science.....	101
Information Systems Management (ISM)	
ISM Course Descriptions.....	276
Minor .....	224
Information Technology (ITE) .....	102
Bachelor of Science.....	103
Concentration in	
Computer Networking.....	105
Concentration in Health	
Information Technology .....	105
Concentration in Applied	
Information Technology .....	104
ITE Course Descriptions .....	276
Minor .....	224
Institutional Goals.....	4
Instructional Design	
Certificate .....	207
Minor .....	224
Instructional Technology Certificate.....	207
Interdisciplinary Programs.....	39
International Business Minor.....	225
Internship (see College of Education)	

## **J**

Juvenile Justice Studies (see Criminal Justice)	
---	--

## **K**

## **L**

Licensure and Certification for Teaching	
Grades P-12 or 6-12	
(see also specific discipline).....	205
Logistics and Supply Chain Management (LSM)	
Bachelor of Science.....	151
Certificate .....	167
LSM Course Descriptions .....	279
Minor .....	225

## **M**

Management (MG)	
Bachelor of Science, no minor .....	153
Bachelor of Science, w/minor.....	155
MG Course Descriptions .....	283
Management of Cybersecurity Operations (MCO)	
Bachelor of Science .....	157
Certificate .....	166
MCO Course Descriptions.....	282
Minor .....	226
Management of Technology	
Bachelor of Science, no minor.....	159
Bachelor of Science, w/minor.....	161
Certificate .....	167
Marine Environmental Sciences Consortium ...	63
Marine Science Minor.....	226
Marketing (MK)	
Certificate .....	168
Minor .....	226
MK Course Descriptions .....	287
Mathematics (MA)	
Bachelor of Science .....	106
With Minor in Education .....	108
MA Course Descriptions .....	280
Minor .....	226
Middle Level Education Minor.....	227
Military Instructor (see Technical Education)	
Minors.....	20, 206
Mission and Vision Statements .....	4
Music (MU) Course Descriptions .....	287
Music (Recording) Minor .....	227
Music (Vocal) Minor .....	227
Musical Theatre (see Drama and Theatre Arts)	

## **N**

Non-degree Seeking Students (see Admission)	
Non-discrimination .....	2
New Student Orientation (Blackboard) .....	18
Non-traditional Academic Credit.....	12
Notification of Rights under FERPA .....	13
Nursing (NUR)	
Bachelor of Science in Nursing .....	111
NUR Course Descriptions.....	289

## **O**

Occupational Health and Safety Management	
Bachelor of Science .....	164
OHSM Course Descriptions .....	289
Official Transcripts.....	15
Operations Management Minor.....	228

## **P**

Pell Grant (See Student Financial Aid)	
Permanent Academic Record .....	13
Philosophy (PH)	
PH Course Descriptions .....	290
Physical Education	
Bachelor of Science in Education.....	182
Policy Library.....	16
Political Science (PO) Course Descriptions ....	290
Political Science Minor.....	228
Praxis II (see College of Education)	
Probation (See Academic)	
Professional Studies Minor .....	228
Pre-Health Programs.....	39
Pre-Law Program .....	39
Privacy of Student Records (FERPA) .....	13
Project Management	
Certificate .....	168
Minor .....	228
Psychology (PS)	
Bachelor of Arts .....	113
Bachelor of Science.....	115
Minor .....	229
PS Course Descriptions .....	290
Public Safety and Health Administration (PSHA)	
Bachelor of Science.....	117
Minor .....	229
PSHA Course Descriptions .....	293

## **Q**

Quality Points for Letter Grades .....	20
--	----

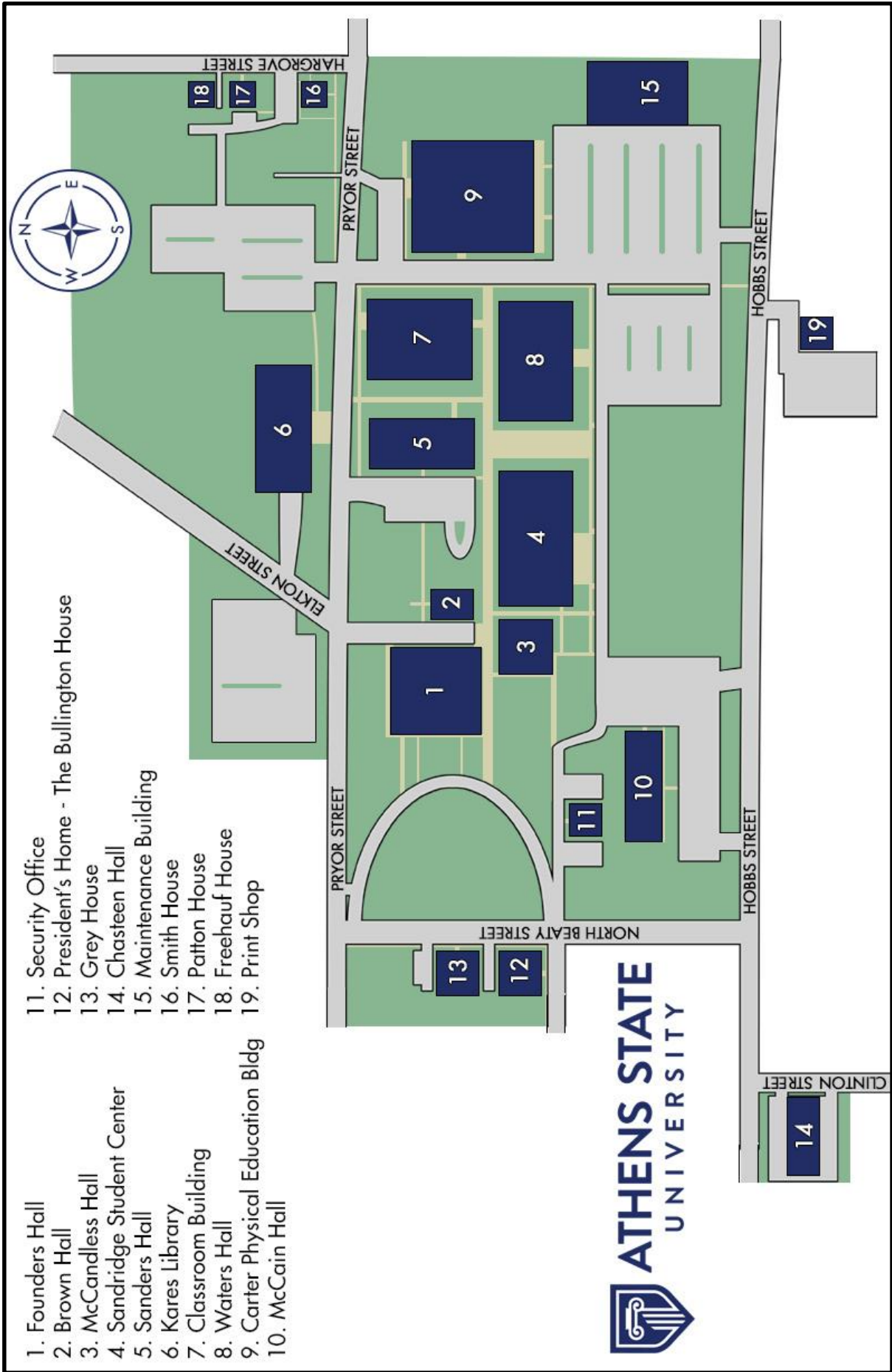
## **R**

Records (Student) .....	13
Registrar.....	13
Refunds of Tuition and Fees .....	25
Registration.....	20
Religion (RE)	
Bachelor of Arts .....	119
Minor .....	229
RE Course Descriptions.....	294
Repeated Courses.....	20
Returned Checks.....	25

## **S**

SAP Student Achievement Recognition	
Certificate .....	168
Second Degrees .....	21
Second (Double or Additional) Major .....	21

Secondary Education (SC)	
SC Course Descriptions .....	296
Sexual Harassment .....	2
Small Business/Entrepreneurship Minor .....	229
Social Science (SS)	
Bachelor of Science .....	121
Public History Option .....	123
With Minor in Education .....	125
SS Course Descriptions .....	300
Sociology (SO)	
Bachelor of Arts .....	128
Bachelor of Science .....	130
Minor .....	230
SO Course Descriptions .....	299
Special Education (Collaborative Teacher) (SE)	
K-6, Bachelor of Science in Education .....	184
6-12, Bachelor of Science in Education .....	186
SE Course Descriptions .....	297
Standards of Academic Performance (see Academic)	
State Transfer and Articulation Reporting	
System (STARS) .....	2
Student Classification .....	23
Student Loans (see Student Financial Aid)	
Student Financial Aid .....	27
Appeals/Reinstatement .....	28
Applying for Aid .....	27
Federal Direct Loan Program .....	29
Federal Work-Study .....	29
Pell Grants .....	29
Programs .....	29
Regulations on Return of Funds .....	30
Satisfactory Academic Progress .....	28
State Programs .....	30
Student Responsibilities and Rights .....	31
Suspension of Financial Aid .....	28
TEACH Grant .....	29
Verification Review Process .....	27
Student Success Center .....	16
Students with Disabilities .....	34
<b><u>I</u></b>	
Tailored Business Minor .....	230
TEACH Grant (see Student Financial Aid)	
Teacher Education Program (see College of Education)	
Technical Education	
Bachelor of Science in Education	
Early Instructor Option –	
No Class B Certification .....	191
Instructional Design –	
No Class B Certification .....	194
Military Instructor Option –	
No Class B Certification .....	197
Post-secondary Instructor Option –	
No Class B Certification .....	199
Secondary Instructor Option –	
Class B Certification .....	188
Career and Technical Education (CE)	
CE Course Descriptions .....	229
Technical Theatre Minor .....	230
Testing .....	23, 137
Transcript Requests .....	15
Transfer of Academic Credit .....	12
Transient/Visiting Students	
Athens State Students at Other	
Institutions .....	11
Students from Other Institutions at	
Athens State .....	10
Tuition and Fees .....	25
<b><u>U</u></b>	
University Success (UNV)	
Course Descriptions .....	301
<b><u>V</u></b>	
Verification Review (Financial Aid) .....	27
Veterans Affairs .....	32
Visiting Students (see Transient/Visiting)	
<b><u>W</u></b>	
Withdrawal from Courses .....	23
Withheld (Holds on Grades/Transcripts) .....	15, 26
<b><u>X, Y, Z</u></b>	



- 1. Founders Hall
- 2. Brown Hall
- 3. McCandless Hall
- 4. Sandridge Student Center
- 5. Sanders Hall
- 6. Kares Library
- 7. Classroom Building
- 8. Waters Hall
- 9. Carter Physical Education Bldg
- 10. McCain Hall
- 11. Security Office
- 12. President's Home - The Bullington House
- 13. Grey House
- 14. Chasteen Hall
- 15. Maintenance Building
- 16. Smith House
- 17. Patton House
- 18. Freehauf House
- 19. Print Shop





## 2021-22 Undergraduate Academic Catalog Addendum

College of Arts and Sciences .....	2-A
College of Business.....	10-A
Course Descriptions.....	14-A

# College of Arts and Sciences

*Stephen G. Spencer, Ph. D. – Dean*

The programs below were approved by the Alabama Commission on Higher Education following the publication of the 2021-22 Undergraduate Academic Catalog. Please refer to the 2021-22 College of Arts and Sciences catalog section for additional degree and certificate options, or the 2021-22 Minors catalog section for minor options.

Program Name	Degree(s) Available		Certificate Available
Homeland and Corporate Security	BS		
Pre-Health			Yes

The current listings of [Faculty and Staff in the College of Art and Sciences](#) and [Faculty and Staff in the University Library](#) can be found on the Athens State University website.

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

Programs in the College of Arts and Sciences prepare students for careers or for continuing education in graduate or professional school. Our mission in the College of Arts and Sciences is to assist 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.

Programs in the College of Arts and Sciences support the mission of Athens State by empowering students “to make valuable contributions in their professional, civic, educational, and economic endeavors.”

The Department of Behavioral Sciences offers courses in seven areas of study: Behavioral Science, Psychology, Sociology, Criminal Justice, Health Science, Health & Wellness Management, Homeland & Corporate Security, and Public Safety and Health Administration. Programs in the Department employ an interdisciplinary approach aimed at developing a strong academic background to prepare students for employment in the areas of health, criminal justice, mental health, social work, counseling, substance abuse, sociology, and psychology. In addition, the programs prepare students for graduate or professional studies. Programs in Behavioral Sciences help students develop: (1) a knowledge base in psychology, sociology, criminal justice, or health fields; (2) scientific inquiry skills; (3) a sense of ethical and social responsibility in a diverse world; (4) communication skills; and (5) professional skills and goals.

The Department of Humanities and Social Sciences offers courses in four areas of study: English, History, Religion, and Social Science. Programs in the Department help students develop a strong academic background in preparation for careers, graduate or professional programs, or certification as secondary education teachers. Department programs: (1) enhance the student’s understanding of the world, society, and community through a broad knowledge base in the humanities and social sciences; (2) foster respect and appreciation for diversity of people and opinions; (3) cultivate life-long learning through proficient use of technology and information; and (4) develop critical thinking, analytical, and communication skills. Students pursuing teaching certification or licensure will complete additional requirements from the College of Education.

The Department of Fine and Performing Arts offers courses in three areas of study: Art, Drama and Theatre Arts, and Music. Programs in the Department emphasize individual commitment to creating art and provide students with the opportunity to shape the future of the art community, emphasizing the importance of art in society. Graduates of the program find themselves with a deepened artistic appreciation, knowledge-base, and skill-set that will allow them to pursue a graduate school education and/or that will enhance career opportunities. Department programs: (1) enhance the student’s understanding of the world, society, and community through broad knowledge in fine and/or performing arts; (2) foster respect and appreciation for a diversity of people and opinions; (3) develop critical thinking, analytical, and communication skills; and (4) instill strong ethical standards.

The Department of Mathematical, Computer and Natural Sciences is committed to providing students with a strong academic background within the context of an increasingly technology-driven society. The mathematics, computer science, and information technology programs allow students the flexibility to explore a wide range of applied and theoretical areas of mathematics, computing, and logic suitable for diverse 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, information technology, and/or computer science courses with other disciplines, as well as gain certification for teaching mathematics at the secondary school level. The mathematics, information technology, and computer science programs: (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) develop critical thinking, analytical, and communication skills.

The natural science programs 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, laboratories, and field experiences. Structured to prepare students for career opportunities in science, government, industry, and education or for pursuing graduate studies, the natural sciences: (1) enhance the student’s knowledge of the fundamental principles of biology, chemistry, and related life sciences and their interrelationships; (2) cultivate analytical and problem solving skills through the active teaching of the scientific method; (3) instill an appreciation for ethical principles in the conduct of scientific inquiry and use of new technology; and (4) develop critical thinking, analytical, and communication skills. 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, 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, Information Technology, Mathematics, 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 grades 6-12. Completion of these programs will lead to Class B Certification in middle and 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.

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, Psychology, and Individualized Degree Program. 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. Athens State graduates 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.

To be admitted to an accredited law school, students typically must have a bachelor's degree, an acceptable score on the Law School Admission Test (LSAT), and certain GPA requirements. Although no law school requires a specific major, the American Bar Association recommends degrees in English and history as preparation for law school.

#### **Pre-Health Programs**

Students interested in pre-health programs should contact the chief Pre-Health programs advisor, Dr. Sara Cline (sara.cline@athens.edu). Pre-health programs 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	

Students receive guidance in planning individual academic programs that will help prepare them for graduate programs in health and medicine. 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.
- 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 from a community college, excluding remedial courses (all courses taken will be transferred in but only 64 semester hours from a community college will be applicable toward an undergraduate 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.**
- 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.**
- 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.
- Apply no more than 64 semester hours of non-traditional/non-graded college credit toward the degree.
- 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.***

## HOMELAND AND CORPORATE SECURITY (HCS)

The Homeland and Corporate Security program is intended to provide students with the knowledge and training needed to prepare them for positions in homeland security, crisis management, and first response in both the public and private sectors. Students will gain an understanding of key areas of homeland security, including national security, security management, critical infrastructure protection, intelligence, risk management, legal and ethical issues, border security, and interagency and intergovernmental relations.

### Bachelor of Science – Homeland and Corporate Security

**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 Homeland and Corporate Security:**

#### Applicable General University Requirements

Students earning the Bachelor of Science (BS) degree with a major in Homeland and Corporate Security 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
	CRJ 100 Intro to Criminal Justice <u>or</u> CRJ 110 Intro to Law Enforcement	<b>3</b>
	CRJ 167 Industrial Security <u>or</u> CRJ 168 International Security <u>or</u> CRJ 171 Security Risk Management	<b>3</b>
	CIS 146 Microcomputer Applications <u>or</u> ITE 301 Problem Solving with Computers	<b>3</b>
	<b>Total Major Prerequisite Requirement Hours:</b>	<b>9</b>
	<b>Total General Education and Major Prerequisite Requirement Hours:</b>	<b>50</b>

### **Professional Course Requirements**

	<b>Program Core Courses</b>	<b>Hours</b>
	UNV 300 Pathways to Success	<b>3</b>
	CJ 375/375L Cyber Criminology and Cyber Criminology Lab	<b>4</b>
	CJ 455 Ethics in the Public Sector	<b>3</b>
	HCS 300 Introduction to Homeland Security	<b>3</b>
	HCS 320 Organization and Management	<b>3</b>
	HCS 460 Threat System Management	<b>3</b>
	MCO 411 Cybersecurity Strategic Management	<b>3</b>
	PSHA 448 Managing the Public Safety and Health Emergency	<b>3</b>
	UNV 400 Career Seminar	<b>1</b>
	HCS 465 Senior Research Project (Capstone)	<b>4</b>
	<b>Total Program Core Requirement Hours:</b>	<b>30</b>

### **Additional Program Requirements**

In addition to the Professional Courses above, Homeland and Corporate Security majors must complete **one of the following**:

- The Concentration in Corporate Security, **OR**
- The Concentration in Homeland Security.

<b>Concentration in Corporate Security</b>		<b>Hours</b>
	HCS 310 Security and Private Security	<b>3</b>
	HCS 430 Physical Security Assessment and Systems Integration	<b>3</b>
	HCS 450 Surveillance and Investigative Techniques	<b>3</b>
	HCS 455 Current Topics in Global Security	<b>3</b>
	MCO 412 Cybersecurity Management of Business Contingency & Resilience Planning	<b>3</b>
	OHSM 350 Risk Management & Security in the Workplace	<b>3</b>
	<b>Total Corporate Security Concentration Requirement Hours:</b>	<b>18</b>

<b>Concentration in Homeland Security</b>		<b>Hours</b>
	CJ 326 International and Domestic Terrorism	<b>3</b>
	HCS 330 Drugs and Human Trafficking	<b>3</b>
	HCS 410 Incident Command and Disaster Recovery	<b>3</b>
	HCS 420 Weapons of Mass Destruction	<b>3</b>
	HCS 445 Intelligence and Espionage	<b>3</b>
	HCS 455 Current Topics in Global Security	<b>3</b>
	<b>Total Homeland Security Concentration 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>26</b>

		<b>Hours</b>
	<b>Total Minimum Hours Required for Completion of Homeland and Corporate Security Major</b>	<b>124</b>

## College of Arts and Sciences Certificate Program

### Pre-Health

This Pre-Health certificate is flexible enough to cover the pre-requisites for most Pre-Health professional programs, including Medical (MD and DO), PT, PA, OT, pharmacy, dental, nurse practitioner, veterinary, podiatry, chiropractic, optometry, athletic training, anesthesiologist assistant, audiology, and psychiatry. It also includes the classes necessary to prepare for the MCAT, DAT, and PCAT. In this 1-year (3-semester) certificate, students transfer to Athens State from a community college either in the Fall or Spring semester after completing Chemistry I&II, Physics I, and Physics II (if necessary).

**Students must complete a minimum of 11 hours at Athens State to earn this certificate.**

Requirements for the Certificate in Pre-Health (**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>
	CHM 111 College Chemistry I	<b>4</b>
	CHM 112 College Chemistry II	<b>4</b>
	PHY 213 General Physics with Calculus I (Recommended - PHY 201 Accepted)	<b>4</b>
	CHM 221 Organic Chemistry I <u>or</u> CH 311/311L Organic Chemistry I and Lab	<b>4-5</b>
	CH 409 Biochemistry	<b>3</b>
	BIO 104 Principles of Biology II <u>or</u> BI 304/304L Diversity and Adaptations and Lab	<b>4</b>
	BIO 201 Human Anatomy & Physiology I <u>or</u> BI 361/361L Human Anatomy and Lab	<b>4</b>
	<b>One of the following electives:</b> BI 312/312L Biostatistics and Lab MTH 265 Elementary Statistics <u>or</u> MA 331 Applied Probability and Statistics MTH 125 <u>or</u> MA 303 Calculus I PHY 214 General Physics with Calculus II* (Recommended - PHY 202 Accepted) PS 341 Statistics with Advanced Topics in Behavioral Science <i>*Pharmacy does not require Physics II</i>	<b>3-4</b>
	<b>Two of the following electives:</b> BI 202 Human Anatomy and Physiology II BI 220 General Microbiology <u>or</u> BI 415/415L Microbial Diversity and Human Interactions and Lab BI 312/312L Biostatistics and Lab BI 423/423L Histology and Lab BI 424/424L Advanced Physiology and Lab BI 425/425L Developmental Biology and Lab BI 427 Parasitology (3 Sem. Hrs.) BI 429/429L Immunology and Lab CHM 222 Organic Chemistry II <u>or</u> CH 312/312L Organic Chemistry II and Lab VET 242 Animal Nutrition & Laboratory Animals (3 Sem. Hrs.)	<b>7-8</b>
	<b>Two of the following electives:</b> PSY 200 General Psychology SOC 200 Introduction to Sociology PS 352 Abnormal Psychology SO 301 Gender and Multicultural Studies SO 312 Majority/Minority Group Relations SO 361 Social Analysis HS 320 Biomedical Ethics HWM 327 Physiology of Exercise HWM 450 Introduction to Epidemiology Exercise Science or Kinesiology Elective (PTA 220, HWM 325, or as approved by Advisor)	<b>6</b>
	<b>Total Required Hours:</b>	<b>43-46</b>

# **College of Business**

***Gary Valcana, M.B.A., (ABD), SPHR, SHRM-SCP – Interim 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 programs below were approved by the Alabama Commission on Higher Education following the publication of the 2021-22 Undergraduate Academic Catalog. Please refer to the 2021-22 College of Arts and Sciences catalog section for additional degree and certificate options, or the 2021-22 Minors catalog section for minor options.**

<b>Program Name</b>	<b>Degree(s) Available</b>		<b>Certificate Available</b>
<a href="#">Forensic Accounting</a>			Yes

The current listings of [Faculty and Staff in the College of Business](#) and [Faculty and Staff in the University Library](#) can be found on the Athens State University website.

## **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, advanced manufacturing management, human resource management, information assurance, logistics and supply chain management, management, management of technology, and occupational health and safety management. 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. A post-test will be administered in the capstone course, MG 420 Business Policy, which should be taken during a student's last term. An external benchmark post exam is administered in MG 480 Seminar in Business. 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, MG 346, MG 350, MG 352, MG 390, MG 420, MG 480, and MK 331). Specified assignments 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 Student Success Coach for the College of Business. After a student's transcript(s) 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 an 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 during the first term in which they are eligible to take the course at Athens State University.

#### **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). This course is taken at the end of a student's program. An external benchmark exam (post) is administered, and the electronic portfolio in LiveText is completed.

#### **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.
- 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 from a community college, excluding remedial courses (all courses taken will be transferred in but only 64 semester hours from a community college will be applicable toward an undergraduate 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.**
- 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.**
- 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.
- Apply no more than 64 semester hours of non-traditional/non-graded college credit toward the degree.
- Complete the requirements for teacher certification (when applicable).

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## **College of Business Certificate Program**

The College of Business at Athens State University offers the following specialized certificate. **A grade of “C” or better must be achieved on all required courses.**

### **Certificate in Forensic Accounting**

	<b>Course</b>	<b>Hours</b>
	AC 312 Law for Accountants	<b>3</b>
	AC 442 Advanced Auditing and Fraud Examination	<b>3</b>
	AC 451 Forensic Accounting I	<b>3</b>
	AC 452 Forensic Accounting II	<b>3</b>
	<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 GBA 314 Business Ethics MCO 409 Management of Cybersecurity	<b>3</b>
	<b>Total Required Hours:</b>	<b>15</b>

# Course Descriptions

The courses below were approved for implementation following the publication of the 2021-22 Undergraduate Academic Catalog. Please refer to the 2021-22 Course Descriptions catalog section for additional course information.

## Criminal Justice (CJ)

- CJ 330 Drugs and Human Trafficking (3 Sem. Hrs.) (Also listed as HCS 330)**  
This course introduces the student to the establishment and evolution of drugs and human trafficking in the United States and abroad. The course will examine the connection between organized crimes committed independently and dependently of organized drug and human traffickers and trafficking rings and enterprises. This course will discuss state and federal laws and policies created to reduce, detect, investigate, and apply regarding drugs and human trafficking, immigration, human smuggling and victimization. The skill of identifying drug and human trafficking enterprises and smuggling are also discussed.
- CJ 440 Homeland Security (3 Sem. Hrs.) (Also listed as HCS 440)**  
This course is designed to provide criminal justice students with an introduction to homeland security training and procedures. This course will prepare students interested in federal as well as state laws, practices, and procedures related to investigation, detainment, and prosecution of domestic as well as foreign threats to national security to the United States. This course will explore the management, assessment, supervision of homeland security to all federal agencies authorized by our government.
- CJ 445 Intelligence and Espionage (3 Sem. Hrs.) (Also listed as HCS 445)**  
This course introduces the student to the relationships between the U.S. intelligence community and the homeland security enterprise. In doing so, a historical perspective will be provided to highlight the increasingly important role intelligence has played and will play in securing the homeland. The course presents the evolving relationship between intelligence and the homeland security enterprise, with particular emphasis on the roles, capabilities and challenges of intelligence support to the homeland security enterprise.

## Homeland and Corporate Security (HCS)

- HCS 300 Introduction to Homeland Security (3 Sem. Hrs.)**  
This is an introductory course to discuss the transition from the creation of homeland security to the formation of the current modern-day homeland security agency and system. This course will discuss more modern and innovative technologies utilized in homeland security to assist agents with apprehension, investigation, prevention and security measures, critical infrastructure protection, intelligence, risk management, legal and ethical issues, border security, and interagency and intergovernmental relations.
- HCS 310 Security and Private Security (3 Sem. Hrs.)**  
This homeland security course will examine the organization and management of the security function in industry, governmental agencies, and homeland security. The exploration of methods to protect personnel, facilities, and other major assets, loss prevention, control, cybersecurity, and risk management are also discussed in relationship to homeland security and other government agencies and systems.
- HCS 320 Organization and Management (3 Sem. Hrs.)**  
This course will provide general knowledge and understanding of the basic structure, organization and management of homeland security agencies in order to examine personnel; theoretical, traditional, and modern management styles; and approaches utilized to solve problems and create innovative approaches of the agency administration.
- HCS 330 Drugs and Human Trafficking (3 Sem. Hrs.) (Also listed as CJ 330)**  
This course introduces the student to the establishment and evolution of drugs and human trafficking in the United States and abroad. The course will examine the connection between organized crimes committed independently and dependently of organized drug and human traffickers and trafficking rings and enterprises. This course will discuss state and federal laws and policies created to reduce, detect, investigate, and apply regarding drugs and human trafficking, immigration, human smuggling and victimization. The skill of identifying drug and human trafficking enterprises and smuggling are also discussed.
- HCS 410 Incident Command and Disaster Recovery (3 Sem. Hrs.)**  
This course is designed to provide the student with the requisite skills to create strategic emergency management plans with a hazard-specific focus. Learn a cohesive approach to emergency management that includes operations plans to prepare, prevent, protect, respond and recover. This strategic hazard-specific plan will integrate the Planning Cycle method to maintain a high-level of continual preparedness. This course will also integrate the knowledge acquired in subsequent EMCP courses in developing functional operations planning to manage and coordinate complex natural, technological and political emergencies.
- HCS 420 Weapons of Mass Destruction (3 Sem. Hrs.)**  
The student will be introduced to the basic understanding of terrorism and how to effectively plan how to protect their communities from attack involving weapons of mass destruction. Upon completion, the student will be able to define and discuss terrorism and weapons of mass destruction. They will learn to formulate protective strategies and to implement tactical procedures to protect their communities from terrorist attacks.

- HCS 430 Physical Security Assessment and Systems Integration (3 Sem. Hrs.)**  
 This course will focus on the development and implementation of a Vulnerability Assessment program. Students will look at the Vulnerability Assessment's role in the Risk Assessment process and learn how to support the development of the Hazard Mitigation Plan and the Site Physical Security Program. Students will also learn the CARVER system, which is a step-by-step approach to Vulnerability Assessment, and identify the application of the program. The student will learn to apply a research methodology for gathering information, conducting investigations, conducting interviews, briefings with state, federal, and private clients. This course will explore physical structures of facilities, cyber security, and physical securities for assessment management and tests. Personnel access, traffic control and other mitigation measures are covered.
- HCS 440 Homeland Security (3 Sem. Hrs.) (Also listed as CJ 440)**  
 This course is designed to provide criminal justice students with an introduction to homeland security training and procedures. This course will prepare students interested in federal as well as state laws, practices, and procedures related to investigation, detainment, and prosecution of domestic as well as foreign threats to national security to the United States. This course will explore the management, assessment, supervision of homeland security to all federal agencies authorized by our government.
- HCS 445 Intelligence and Espionage (3 Sem. Hrs.) (Also listed as CJ 445)**  
 This course introduces the student to the relationships between the U.S. intelligence community and the homeland security enterprise. In doing so, a historical perspective will be provided to highlight the increasingly important role intelligence has played and will play in securing the homeland. The course presents the evolving relationship between intelligence and the homeland security enterprise, with particular emphasis on the roles, capabilities and challenges of intelligence support to the homeland security enterprise.
- HCS 450 Surveillance and Investigative Techniques (3 Sem. Hrs.)**  
 An examination of basic police surveillance and counter-surveillance procedures and methods, including foot and vehicle; one-, two- and three-person or ABC surveillance; aerial platform; and electronic and stationary surveillance operations. Hand on training includes topic definition and history of surveillance, four basic methods of surveillance, foot surveillance operations, vehicle surveillance procedures, stationary surveillance methods, aerial platform surveillance, counter-surveillance operations, detecting and eluding surveillance operatives, and presentation of surveillance evidence in court.
- HCS 455 Current Topics in Global Security (3 Sem. Hrs.)**  
 This course will engage its students with a broad range of global political topics implicated in the challenging security environment of the 21st century. Beginning with an intensive survey of the disciplinary approaches to the study of security common throughout the 20th century, it quickly transitions into a topical course exploring contemporary security issues through multi- and interdisciplinary lenses. This methodological pluralism, a strength of security studies as a program of inquiry, will prepare students not only to contemplate security as a complex and contested concept in the language of the academy, but also to address discrete, pressing issues in the realm of practical public policy. Informed by theories of international relations, fundamental issues such as the globalization of security studies and evolving relationships between security and environmental, economic, and social issues are critically explored.
- HCS 460 Threat System Management (3 Sem. Hrs.)**  
 This course examines analytical and policy skills used to frame the issues of risk so that other participants in local, national and international policy processes will understand the global need for disaster reduction, and act in constructive ways. Topics include the scope of risk to human communities that is emerging on a global scale from natural and man-made disasters, a critical review of the consequences of terrorism for metropolitan regions around the world, policy issues involved in coping with the political, social and economic consequences of disasters, and the interdependence of these issues with other forms of development, the range of perspectives - scientific, economic, political, organizational and social - that are involved in understanding the consequences of disaster for human communities, the links between the vulnerability of communities to disaster and the consequences of political and economic instability that lead to civil conflict. In addition, decision making processes that illustrate the conflicting interests among multiple policy audiences in recovery from hypothetical disasters are also explored.
- HCS 465 Senior Research Project (Capstone) (4 Sem. Hrs.)**  
*Prerequisites: Senior standing and permission of instructor*  
 This course provides a capstone experience for senior Homeland Security Majors. This course is available only to Homeland Security majors and is taken during their last term in the degree program. This 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 Homeland Security; (2) an approved thesis and issue paper on a contemporary issue facing homeland security 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.

## Management (MG)

- MG 482 Space Mission Planning, Communications, and Control (3 Sem. Hrs.)**  
 This course addresses the concepts of space mission conceptualization, planning, communications, and control while operating in near Earth and planetary orbits. Previous mission planning from NASA missions such as those used during International Space Station, Space Shuttle, Project Apollo and other sources will be utilized as well as un-crewed missions such as the Mars Perseverance Rover. Students will develop and simulate a typical mission in a team environment, including communications and data management utilizing a simulated world-wide deep space network using ZOOM. The team mission will be published as part of the class.