

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.

College of Arts and Sciences: Minors Available
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

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

College of Business: Minors Available
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

College of Education: Minors Available
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.**

	Course	Hours
	AC 305 Fundamentals of Accounting I or BUS 241 Principles of Accounting I	3
	AC 306 Fundamentals of Accounting II or BUS 242 Principles of Accounting II	3
	AC 315 Managerial Accounting or BUS 248 Managerial Accounting	3
	AC 321 Intermediate Accounting I	3
	AC 322 Intermediate Accounting II	3
	One course from the following: 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	3
	Total Required Hours for Accounting Minor:	18

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.**

	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
	ACM 400 Advanced Acquisition and Contract Research/Project	3
	Total Required Hours for Acquisition and Contract Management Minor:	18

Advanced Manufacturing Management Minor

This minor is open to College of Business majors only. **Please consult course descriptions for possible prerequisites.**

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

Aerospace Systems Management Minor

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

	Course	Hours
	MG 471 Aviation Law	3
	MG 472 Aviation Safety and Security Management	3
	MG 473 Mgt. of Air Traffic Control Fund	3
	MG 474 General Aviation Management or MG 390 Operations Management	3
	MG 475 Aviation Weather Management	3
	MG 47x Aviation Management Elective	3
	Total Required Hours for Aviation Management Minor:	18

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.

	Course	Hours
	AR 312 Figure Drawing	3
	AR 333 Graphic Design <u>or</u> AR 360 Drawing and Design	3
	AR 423 History of Modern Art	3
	AR 424 Late Modern Art History	3
	Art Electives	6
	Total Required Hours for Art Minor:	18

Art History Minor

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

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

Stipulations for the Art History minor:

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

	Course	Hours
	AR 342 Art of the Ancient Americas	3
	AR 343 Renaissance Art History	3
	AR 421/RE 421 Sacred Art in History	3
	AR 423 History of Modern Art	3
	AR 424 Late Modern Art History	3
	AR 426 Critical Theories in Art	3
	Total Required Hours for Art History Minor:	18

Autism and Developmental Disabilities Minor

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

	Course	Hours
	SE 460 Students on the Autism Spectrum	3
	SE 462 Evidence-Based Intervention Strategies for Autism and Developmental Disabilities	3
	SE 464 Using Behavior Analysis for Effective Teaching	3
	SE 466 Supporting Children & Adults with Complex Communication Needs	3
	Two courses from the following (courses from other areas may be considered as approved by the faculty advisor through the University Curriculum Adjustment process):	6
	Special Education Electives	
	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	
	Cultural Studies/Child Development Electives	
	ED 312 Cultural Competence and Responsiveness	
	PSY 210 Human Growth and Development	

	PSY 211 Child Growth and Development or PS 332 Child Psychology PS 334 Adolescent Psychology or PS 335 Adult Psychology PS/SO 301 Gender and Multicultural Studies	
Total Required Hours for Autism and Developmental Disabilities Minor:		18

Behavioral Science Minor

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

Course	Hours	
PS 334 Adolescent Psychology	3	
PS 335 Adult Psychology	3	
SO 312 Majority/Minority Relations	3	
SO 362 Deviant Social Behavior	3	
One course from this group: PS 304 Drugs and Behavior PS 352 Abnormal Psychology PS 406 Physiological Psychology	3	
One course from this group: PS 331 Social Psychology PS 332 Child Psychology PS 402 Clinical Psychology SO 360 Contemporary American Family SO 471 Aging in a Mass Society	3	
Total Required Hours for Behavioral Science Minor:		18

Biology Minor

This minor is open to students in all majors except for students in the Biology major options. **Please consult course descriptions for possible prerequisites.** A minor in Biology requires completion of a minimum of 18 semester hours of biology coursework, including a minimum of 6 semester hours of upper division coursework which must be taken at Athens State University.

Course	Hours	
Principles of Biology I, II or the equivalent	8	
Biology Electives	10	
Total Required Hours for Biology Minor:		18

Business Administration Minor

This minor is open to non-business majors **only**. **Please consult course descriptions for possible prerequisites.**

Course	Hours	
AC 305 Fundamentals of Accounting I or BUS 241 Principles of Accounting I	3	
EC 310 Modern Economics or ECO 231 Principles of Macroeconomics	3	
GBA 305 Statistical Methods of Business I or BUS 271 Business Statistics I	3	
GBA 311 The Legal Environment of Business or BUS 263 The Legal & Social Environment of Business	3	
MG 320 Organizational Communication* or BUS 215 Business Communication	3	
MG 346 Prin. of Management & Leadership* or BUS 275 Prin. of Management	3	
MG 350 Financial Management*	3	
MK 331 Marketing Principles* or BUS 285 Principles of Marketing	3	
*LiveText is required for these courses		
Total Required Hours for Business Administration Minor:		24

Chemistry Minor

This minor is open to students in all majors except for students in the Chemistry major options. **Please consult course descriptions for possible prerequisites.** A minor in Chemistry requires 20 semester hours of chemistry coursework including a minimum of 9 semester hours of upper division coursework which must be completed at Athens State University.

	Course	Hours
	College Chemistry I and II	8
	CH 324 /CH 324L Analytical Chemistry	4
	Upper Level 300/400 Chemistry courses approved by Chemistry Faculty Advisor	8
	Total Required Hours for Chemistry Minor:	20

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.

	Course	Hours
	CS 317 Computer Science I or sufficient score on Placement Exam*	0-3
	ITE 315 Scripting Languages and System Administration	3
	CJ/PO 302 Criminal Law	3
	CJ 400 Law Enforcement in America	3
	ITE 420 Fundamentals of Information Security	3
	ITE 421 Digital Forensics	3
	CS 454 System Security Management	3
	* Students who have completed CIS 251 C++ Programming or the equivalent may take a placement exam. Following the policy in place for students majoring in Computer Science or Information Technology, the CS 317 requirement (zero hours awarded) may be waived provided a sufficient score is achieved on this exam.	
	Total Required Hours for Computer Forensics Minor (non-CS, non-ITE majors):	18-21

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.

	Course	Hours
	CJ 301 Criminal Justice Process or CJ 401 Adult Corrections or CJ 452 Advanced Criminology or CH 302 Introduction to Forensic Science	3
	CJ/PO 302 Criminal Law	3
	CJ 400 Law Enforcement in America	3
	ITE 420 Fundamentals of Information Security	3
	ITE 421 Digital Forensics	3
	CS 454 System Security Management	3
	Total Required Hours for Computer Forensics Minor (CS and ITE majors):	18

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.

	Course	Hours
	CS 309/309L Introduction to Digital Logic Design	4
	ITE 305 Networking Fundamentals	2
	ITE 306 Local Area Networks	2
	ITE 307 Wide Area Networks	2
	ITE 308 Network Architecture	2
	ITE 405 Internetworking Devices	2

	ITE 406 The Internet	2
	ITE 407 Network Processes and Protocols	2
	ITE 408 Enterprise Network Design and Management	2
	ITE 409/409L Network Security and Network Security Lab	4
	Total Required Hours for Computer Networking Minor (non-CS, non-ITE majors):	24

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.

	Course	Hours
	ITE 305 Networking Fundamentals	2
	ITE 306 Local Area Networks	2
	ITE 307 Wide Area Networks	2
	ITE 308 Network Architecture	2
	ITE 405 Internetworking Devices	2
	ITE 406 The Internet	2
	ITE 407 Network Processes and Protocols	2
	ITE 408 Enterprise Network Design and Management	2
	ITE 409/409L Network Security and Network Security Lab	4
	Total Required Hours for Computer Networking Minor (CS majors only):	20

Computer Science Minor

This minor is open to students in all majors except for students in the Computer Science, Information Technology, or Information Technology: Computer Networking major options. **Please consult course descriptions for possible prerequisites.**

	Course	Hours
	MA 308 Discrete Mathematics	3
	CS 309/309L Introduction to Digital Logic Design	4
	CS 317 Computer Science I or sufficient score on Placement Exam*	3
	CS 318 Computer Science II	3
	CS 372 Data Structures	3
	CS 417 Topics in Object Oriented Programming	3
	CS 472 Algorithm Analysis	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.	
	Total Required Hours for Computer Science Minor:	22

Criminal Justice Minor

This minor is open to students in all majors except for students in the Criminal Justice major options. **Please consult course descriptions for possible prerequisites.**

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

Cybersecurity Minor

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

Course	Hours
ITE 307 Wide Area Networks	2
ITE 308 Network Architectures	2
ITE 409/409L Network Security and Network Security Lab	4
ITE 420 Fundamentals of Information Security	3
ITE 421 Digital Forensics	3
CS 454 System Security Management	3
CS 484 Applied Cryptography and System Security	3
Total Required Hours for Cybersecurity Minor:	20

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).

Course	Hours
<u>Dramatic Literature & Criticism (at least one course from this category):</u> 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	3
<u>Performance: (at least one course from this category):</u> DR 333 Acting I DR 334 Acting II: Scene Study and Acting Shakespeare DR 335 Movement and Stage Combat	3
<u>Production (at least one course from this category):</u> EH 311 Drama Production AR/DR 316 Puppetry DR 319 Technical Theatre AR/DR 321 Principles of Scenic and Lighting Design AR/DR 323 Scenic Art DR 466 Practicum in Production	3
<u>Other (at least one course from this category):</u> DR 310 Film: History, Development, and Evaluation DR 322 Costume Design DR 332 Adaptation and the Arts DR 336 Theatre Production Management DR 405 Playwriting	3
Two additional courses from the above categories or courses approved by the faculty advisor through the University Curriculum Adjustment process	6
Total Required Hours for Drama Minor:	18

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.

Course	Hours
CHD 201 Child Growth and Development or PSY 210 Human Growth and Development or PSY 211 Child Growth and Development or PS 332 Child Psychology	3
EL 315 Principles and Methods of Teaching Kindergarten	3
ER 318 Literature in Early Childhood Education	3
ER 327 Classroom Management in Early Childhood Education	3
Two courses from the following: ER 302 Language Development and Developmental Interactions ER 309 Early Brain Development ER 319 Literacy and Literature for the Young Child	6

	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	
Total Required Hours for Early Childhood Education Minor:		18

Early Childhood/Special Education Minor

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

Course	Hours	
SE 301 Survey of Exceptional Learners	3	
SE 303 Introduction to Early Childhood Special Education	3	
SE 315 Characteristics & Identification of Students w/Mod. to Severe Disabilities	3	
SE 400 Methods Adapting Early Childhood Curricula for Children with Special Needs	3	
Two courses from the following: ER 302 Language Development and Developmental Interactions ER 309 Early Brain Development ER 318 Literature in Early Childhood or 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* or PS 332 Child Psychology *Prerequisite: PSY 200 General Psychology	6	
Total Required Hours for Early Childhood Education Minor:		18

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* or ED 411 Curriculum Integration of Technology for Secondary and Adult Learners*	3
Educational Technology Electives - Choose two 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* * These courses require intermediate-level technology/computer skills (e.g., word processing, slide presentations, and basic video production)	6
Multimedia Elective*** - Choose one of the following courses: ED 305 Technology and Media in Education AR 333 Graphic Design AR 335 Topics in Adobe Photoshop AR 435 Advanced Graphic Design ART 178 Audio-Visual Techniques ART 221 Computer Graphics ART 253 Graphic Design I AR 254 Graphic Design II ART 283 Graphic Animation I ART 284 Graphic Animation II	3

	CAT 283 Graphics and Animation CIS 151 Graphics for the World Wide Web CIS 197C Dreamweaver or CIS 197D Flash or 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 *** Other elective courses may be considered as approved by the faculty advisor through the University Curriculum Adjustment process	
Total Required Hours for Educational Technology Minor:		18

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	
Four courses from the following: EH 304 Southern Literature EH 307 Major Authors I EH 308 Major Authors II EH 314 19 th Century British Studies EH 316 American Masterpieces EH 325 Myth: Ritual and Culture EH 330 Literary and Critical Theory EH/RE 416 Interpreting the Text EH 433 Fiction EH 440 African-American Studies EH 450 Renaissance Literature 1550-1680 EH 451 The British Novel EH 452 Chaucer and Medieval Literature EH 454 Young Adult Literature	12	
Total Required Hours for English Minor:		21

English Language Learner (ELL) Minor

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

Course	Hours
ED 322 Basic Principles of ELL Education	3
ED 325 Theoretical Foundations of Language Acquisition	3
ED 404 Methods and Materials for Teaching English Language Learners (Prerequisites: ED 322 or ED 325)	3
ED 405 Assessment of English Language Learners	3
ELL Electives – Choose two of the courses listed below* Language Electives 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	6

ER 319 or CE 319 Literacy and Literature for the Young Child HPS 113 Spanish for Health Care Professionals HU 313 or HU 314 Beginning Spanish Conversation and Culture I/II (or another foreign language) SC 333 Teaching Reading/Writing in the Content Areas SPA 101 or SPA 102 Introductory Spanish I/II (or another foreign language introductory course) SPA 201 or SPA 202 Intermediate Spanish I/II (or another foreign language intermediate course)	
Cultural Studies/Child Development Electives 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 (<i>Prerequisite: PSY 200</i>) 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	
Total Required Hours for ELL Minor:	18

Enterprise Systems Management Minor

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

Course	Hours
ESM 300 Enterprise Systems & Business Processes	3
ESM 410 Business Intelligence Systems	3
ESM Elective (ESM 320, 330, 340, 400, 420, or 425)	3
ISM 400 Information Management	3
ISM 401 Systems Design Management	3
ISM 404 Managing Information Resources	3
Total Required Hours for Enterprise Systems Management Minor:	18

Finance Minor

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

Course	Hours
ECO 231 Principles of Macroeconomics or the equivalent	3
ECO 232 Principles of Microeconomics or the equivalent	3
MG 350 Financial Management	3
FIN 301 Financial Institutions and Markets	3
Select 2 courses from the following: FIN 355 General Insurance or FIN 356 Real Estate EC 410 International Finance & Monetary Economics FIN 412 Money & Capital Markets FIN 414 Investments	6
Total Required Hours for Finance Minor:	18

Forensic Accounting Minor

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

Course	Hours
AC 312 Law for Accountants	3
AC 442 Advanced Auditing and Fraud Examination	3
AC 451 Forensic Accounting I	3
AC 452 Forensic Accounting II	3
GBA 314 Business Ethics	3
One course from the following: AC 362 Federal Tax Accounting II AC 431 Advanced Accounting AC 435 Governmental Accounting AC 441 Special Topics in Accounting IAM 409 Management of Information Assurance	3
Total Required Hours for Forensic Accounting Minor:	18

Forensics and Investigation Minor

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

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

Forensic Psychology Minor

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

Course	Hours
PS 350 Forensic Psychology	3
PS 402 Clinical Psychology	3
PS 425 Tests and Measurements	3
CJ/PO 302 Criminal Law	3
CJ 401 Adult Corrections	3
CJ 452 Advanced Criminology	3
Total Required Hours for Forensics and Investigation Minor:	18

Gender and Multicultural Studies Minor

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

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

Course	Hours
PS/SO 301 Gender and Multicultural Studies	3
<u>Humanities (choose one course from this category):</u> AR 423 History of Modern Art AR 424 Late Modern Art History EH 325 Myth: Ritual and Culture EH 401 Speech: Conflict Management EH/RE 416 Interpreting the Text EH 440 African-American Studies EL 320 Children's Literature HY/HU 330 Landmarks of Civilization RE 301 Religions that Shaped the World RE 312 History of Judaism RE 314 History of Islam	3

	Social & Behavioral Science: (choose one course from this category): CJ 452 Advanced Criminology ED 312 Cultural Competence and Responsiveness GO 340 South America, Africa and Asia PH 300 Moral Values in Today's Society PO/SO 351 American Public Policy/Political Sociology PS 331 Social Psychology SE 301 Introduction to Exceptional Learners SO 312 Majority/Minority Group Relations SO 360 Contemporary American Family SS 400 Culture and Globalization	3
	Business (choose one course from this category): EC 348 Labor Economics MG 352 International Business MG 412 Cultural Diversity & Communication Issues in International Business PS 368 Industrial and Organizational Psychology	3
	Three additional courses from the above categories	9
Total Required Hours for Gender and Multicultural Studies Minor:		21

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	
Three courses from the following: 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 *Courses with co-requisite one-hour labs will total 4 semester hours	9	
Total Required Hours for Gerontology Minor:		18

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	6

	HU 313 and 314 Beginning Spanish Conversation & Culture I and II or Two upper level courses dealing with Global or Globalization topics (approved by the faculty)	
	HY 430 Globalization: Theory and History	3
	HY 431 Human Expansion: A History of Trade, Travel, Tourism, and Empires	3
	PO 453 International Relations: America and the World	3
	SS 400 Culture and Globalization	3
	Total Required Hours for Globalization Minor:	18

Government Contract Accounting Minor

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

	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
	Two courses from the following: 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	6
	Total Required Hours for Government Contract Accounting Minor:	18

Health Care Management Minor

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

	Course	Hours
	HCM 340 Intro. to Health Care Systems	3
	HCM 345 Management of Health Care Org.	3
	HCM 355 Survey of Issues in HCM	3
	HCM 356 Legal & Ethical Issues in Health Care Management	3
	HCM 440 Ambulatory Care Management	3
	HCM 460 Health Care Management Senior Seminar	3
	Total Required Hours for Health Care Management Minor:	18

Health Fitness Minor

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

	Course	Hours
	PED 200 Foundations of Physical Education or HPE 326 History and Principles of Physical Education	3
	HED 221 Personal Health or HED 222 Community Health or HPE 354 Contemporary Health	3
	HPE 355 Health-Related Fitness and Nutrition	3
	HPE 356 Health Promotion	3
	Total Required Hours for Health Fitness Minor:	18

History Minor

This minor is open to students in all majors except for students in the History major options. **Please consult course descriptions for possible prerequisites.**

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

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
	Total Required Hours for Homeland Security and Administration Minor:	19

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
	A minimum of three courses* from the following:	9
	BI 302 Genetics (Co-requisite: BI 302L)*	
	BI 320 Human Nutrition (Co-requisite: BI 320L)*	
	BI 361 Human Structure and Function (Co-requisite: BI 361L)*	
	BI 424 Animal Physiology (Co-requisite: BI 424L)*	
	CA 301 Perspectives in Child Maltreatment & Child Advocacy	
	CA 302 Global Child Advocacy Issues	
	CA 401 Child Advocacy II: Professional & System Resp. to Child Maltreatment	
	CJ 453 Juvenile Delinquency	
	HS 320/PH 320 Biomedical Ethics	
	HS 355 Health Policy in the U.S.	
	PSY 210 Human Growth and Devel. or 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 or CE 310 Principles of Early Childhood Education	
	ER 330 or CE 330 Children's Constructions of Relationships through Arithmetic & Mathematical Reasoning	
	ER 400 or CE 400 Children's Play as Symbolic Behavior	
	ER 402 or CE 402 Preschool Curriculum	
	ER 420 or 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 *Courses with co-requisite one-hour labs will total 4 semester hours	
	Total Required Hours for Human Development Minor:	18

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
Total Required Hours for Human Resource Management Minor:	18

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
Total Required Hours for Information Systems Management Minor:	18

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.	
Total Required Hours for Information Technology Minor:	22

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
	Instructional Design Elective - Choose <u>one</u> of the following courses: CE 444 Design and Instruction of Online Courses CE 448 Assessment of Instructional Design ED 407 Emerging Instructional Technologies ED 411 Curriculum Integration of Technology for Secondary and Adult Learners	3
	Multimedia Elective* - Choose <u>one</u> of the following courses: ART 178 Audio-Visual Techniques ART 253 Graphic Design I <u>or</u> AR 254 Graphic Design II ART 221 Computer Graphics CIS 151 Graphics for the World Wide Web VCM 254 Graphic Design <u>or</u> VCM 255 Advanced Graphic Design ART 283 Graphic Animation I <u>or</u> ART 284 Graphic Animation II AR 302 Adobe Photoshop Essentials AR 303 Adobe Illustrator Fundamentals AR 333 Graphic Design AR 335 Topics in Adobe Photoshop AR 435 Advanced Graphic Design CAT 283 Graphics and Animation CIS 197C Dreamweaver <u>or</u> CIS 197D Flash <u>or</u> CIS 197H Photoshop CIS 223 Three Dimensional Computer Modeling CIS 224 Three Dimensional Computer Animation VCM 285 Multimedia Production <u>or</u> VCM 286 Advanced Multimedia Production	3
	* Or other advisor approved multimedia electives	
	Total Required Hours for Instructional Design Minor:	18

International Business Minor

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

	Course	Hours
	EC 410 International Finance & Monetary Economics <u>or</u> EC 320 International Economics and Trade	3
	GBA 350 International Business Law	3
	MG 352 International Business	3
	MG 412 Cultural Diversity & Communication Issues	3
	Select 2 courses from the following: PO 453 International Relations: America and the World GBA 314 Business Ethics AR/RE 421 Sacred Art in History MK 431 Marketing Research	6
	Total Required Hours for International Business Minor:	18

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.**

	Course	Hours
	LSM 300 Enterprise Systems and Business Processes	3
	LSM 301 Introduction to Logistics and Supply Chain Management	3
	LSM 320 Logistics and Distribution	3
	LSM 330 Logistics & Supply Chain Management in Global Environment	3
	LSM 401 Logistics and Supply Chain Integration Techniques	3
	LSM 410 Logistics and Supply Chain Strategy	3
	Total Required Hours for Logistics and Supply Chain Management Minor:	18

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
	Total Required Hours for Management of Cybersecurity Operations Minor:	18

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
	Total Required Hours for Marine Science Minor:	20

Marketing Minor

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

	Course	Hours
	MK 331 Marketing Principles or 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
	Total Required Hours for Marketing Minor:	18

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 or MTH 237 Linear Algebra	3
	MA 321 Differential Equations or MTH 238 Applied Differential Equations	3
	Upper Division Mathematics Electives (Approved Mathematics courses above the calculus sequence)	6
	Total Required Hours for Mathematics Minor:	24

Middle Level Education Minor

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

	Course	Hours
	ED 304 Action Research and Qualitative Inquiry	3
	PS 334 Adolescent Psychology	3
	SC 350 Foundations of Middle Level Education	3
	SC 430 Curriculum Design for the Middle Level Learner	3
	Two 300-400 level courses from one content area below (courses from other areas may be considered as approved by the faculty advisor through the University Curriculum Adjustment process): Biology Chemistry English General Science History Mathematics Social Sciences (any combination of two EC, GO, HY, PO, SS courses)	6
	Total Required Hours for Middle Level Education Minor:	18

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.**

	Course	Hours
	MU 310 Digital Recording and Editing	3
	MU 311 Foundations of Audio Technology	3
	MU 312 Audio Mastering	3
	Complete 9 semester hours from the courses below (courses listed are 3 hrs. unless otherwise noted): 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.)	9
	Total Required Hours for Music (Recording) Minor:	18

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.**

	Course	Hours
	MUS 111/113 Music Theory I/Music Theory I Lab	4
	MUS 112/114 Music Theory II/Music Theory II Lab	4
	MUL 100 or 200 level Music Ensemble courses (1-2 Sem. Hrs. each)	4
	MU 300 or 400 level Music History course	3
	MU 300 or 400 level Elective or Conducting course	3
	MUP 300 or 400 level Private Lesson courses	4
	Total Required Hours for Music (Vocal) Minor:	22

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
	Total Required Hours for Operations Management Minor:	18

Political Science Minor

This minor is open to students in all majors except for students in the Political Science major options. **Please consult course descriptions for possible prerequisites.**

	Course	Hours
	American Government or PO 304 Problems of American Government	3
	PO 303 Comparative State and Local Government	3
	PO 308 World Government or PO 453 International Relations: America & the World	3
	Political Science Electives	9
	Total Required Hours for Political Science Minor:	18

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
	Total Required Hours for Professional Studies Minor:	18

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
	Select 2 courses from the following: MG 358 Project Initiation & Scope Management MG 397 Program & Project Risk Management MG 413 Project Communication, Management & Leadership	6
	Total Required Hours for Project Management Minor:	18

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.**

	Course	Hours
	PS 331 Social Psychology	3
	PS 332 Child Psychology or PS 334 Adolescent Psychology	3
	PS 352 Abnormal Psychology	3
	PS 406 Physiological Psychology	3
	PS 420 Cognitive Psychology or PS 336 Psychology of Learning	3
	Psychology Elective	3
	Total Required Hours for Psychology Minor:	18

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.**

	Course	Hours
	PO 303 Comparative State and Local Government	3
	PO 377 Public Administration	3
	PSHA 380 Public Budgeting and Finance	3
	PSHA 446 Public Sector Organizational Theory and Management	3
	PSHA 455 Ethics in the Public Sector	3
	HS 447 Public Health Concepts and Systems	3
	Total Required Hours for Public Safety and Health Administration Minor:	18

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.

	Course	Hours
	Three courses in Religion	9
	Three courses in Philosophy or Religion	9
	Total Required Hours for Religion Minor:	18

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.**

	Course	Hours
	AC 315 Managerial Accounting	3
	AC 361 Federal Tax Accounting I	3
	MG 346 Principles of Management & Leadership or BUS 275 Principles of Management	3
	MG 349 Human Resources Management or BUS 276 Human Resource Management	3
	MG 416 Entrepreneurship	3
	MK 335 Integrated Marketing Communications	3
	Total Required Hours for Small Business/Entrepreneurship Minor:	18

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.**

	Course	Hours
	SO 312 Majority/Minority Group Relations	3
	SO 362 Deviant Social Behavior	3
	SO 460 Sociological Theories	3
	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	9
	Total Required Hours for Sociology Minor:	18

Tailored Business Minor

This minor is open to business majors **only**. **Please consult course descriptions for possible prerequisites.**

	Course	Hours
	Completion of 6 approved courses (minimum 18 semester hours) in appropriate academic or professional areas. Courses must be approved by the faculty advisor and the Dean of the College of Business through the University Curriculum Adjustment process	18
	Total Required Hours for Tailored Business Minor:	18

Technical Theatre Minor

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

	Course	Hours
	<u>Art (at least one course from this category):</u> AR 330 Photographic Aesthetics AR 331 Advanced Photography AR 333 Graphic Design AR 335 Topics in Adobe Photoshop Or other 300/400-level AR course approved by the faculty advisor through the University Curriculum Adjustment process	3
	<u>Production (at least two courses from this category – Drama majors cannot count EH 311 and DR 319 towards requirements for this minor):</u> EH 311 Drama Production AR/DR 316 Puppetry DR 319 Technical Theatre AR/DR 321 Principles of Scenic and Lighting Design DR 322 Costume Design DR 323 Scenic Art DR 405 Playwriting DR 466 Practicum in Production	6
	<u>Business/Management (at least one course from this category):</u> AR 443 Art Entrepreneurship DR 336 Theatre Production Management	3
	Two additional courses from the above categories or courses approved by the faculty advisor through the University Curriculum Adjustment process	6
	Total Required Hours for Technical Theatre Minor:	18