Athens State University	College of Arts & Sciences with a minor in Licensure and Certification	2011-12	B.S. Biology Licensure/Certification	26.0101

PLEASE BE AWARE THAT PROGRAM REQUIREMENTS ARE SUBJECT TO CHANGE, AND ARE DEPENDENT ON YOUR ACTUAL DATE OF ENROLLMENT.

*****PLEASE READ NOTES ON BOTTOM OF THIS FORM**

Date of evaluation

Evaluated by

	Course	Semester hours	Grade	Point Value	Total quality points
GENERAL STUDIES CURRICULUM CORE					
I. Written Compostion - 6 hours required				0	0
				0	0
II. Humanities & Fine Arts - 12 hours required					
Fine Arts - 3 sem. hrs.				0	0
Speech (SPH 106 or SPH 107) - 3 sem. hrs.				0	0
Humanities/Fine Arts courses - 3 sem. hrs				0	0
Literature** - 3 or 6 sem. hrs.				0	0
2nd literature (counts toward humanity requirement)				0	0
III. Natural Sciences & Mathematics - 11 semester hours					
Precalculus Algebra or higher t - 3 sem. hrs.				0	0
Principles of Biology I and II - 8 sem. hrs.				0	0
				0	0
IV. History, Social & Behavior Sciences - 12 semester hours					
History** - 3 or 6 sem. Hrs				0	0
				0	0
General Psychology - 3 sem. hrs.				0	0
Other History/Behavioral or Social Science elective - 3 or 6 sem. hrs.				0	0
2nd history/social/behavior science (if no history sequence)				0	0
**Students must complete a 6 sem. hour sequence either in Area II Literature or Area IV History.*					
TOTAL GENERAL STUDIES CURRICULUM - 41 SEMESTER HOURS	Total hrs. 0				
V. Major Prerequisite courses					
College Chemistry I - 4 sem. hrs.				0	0
College Chemistry II - 4 sem. hrs.				0	0
Biology or Chemistry Elective - 4 sem. hrs.				0	0
Elementary Statistics or Calculus I - 3-4 sem. hrs.				0	0
Fundamentals of Organic Chemistry or Organic Chemistry I - 3-4 sem. hrs.				0	0
Electives 3-5 sem. hrs.				0	0
				0	0
Total major prerequisite hours - 21-25 semester hours	Total hrs. 0				
TOTAL CORE AND MAJOR PREREQUISITE HOURS - 62-66 SEMESTER HOURS	Total hrs. 0				
PROFESSIONAL COURSES:					
BI 301/BI 301L Cell Structure and Function - 4 sem. hrs.				0	0
BI 301 Lab				0	0
BI 302/BI 302L Genetics - 4 sem. hrs.				0	0
BI 302 Lab				0	0
BI 303/BI 303L General Ecology - 4 sem. hrs.				0	0
BI 303 Lab				0	0
A minimum of **18 semester credit hours** from among the following biology courses:					
	List each class/lab separately in this area.				
BI 300/BI 300L Microbes and You				0	0
BI 311/BI311L Biodiversity of North Alabama				0	0
BI 321 Conservation Biology				0	0
BI 336 Digital Microphotography and Image Analysis					
BI 342/BI 324L Economic Botany				0	0
BI 361/361L Human Structure and Function				0	0
BI 409 Biochemistry				0	0
BI 411/BI 411 Invertebrate Systematics and Morphology				0	0
BI 413/BI 413L Vertebrate Biology				0	0
BI 414/BI 414L Comparative Vertebrate Anatomy				0	0
BI 415 Microbial Toxins and Human Health				0	0
BI 420 Field Vertebrate Zoology I: Ichthyology and Herpetology				0	0
BI 422 Field Vertebrate Zoology II: Ornithology and Mammalogy				0	0
BI 423/BI 423L Histology					
BI 424/BI 424L Animal Physiology					
BI 425/BI 425L Developmental Biology					
BI 427/BI 427L Parasitology					
BI 429/BI 429L Immunology					
BI 431/BI 431L Plant Systematics and Morphology					
BI 451/BI 451L Marine Biology					
BI 452/BI 452L Marine Ecology					
BI 453/BI 453L Plant Ecology					
BI 457 AMSTI/SIM Laboratory Technologies for Teachers					
TOTAL PROFESSIONAL COURSES - 30 SEMESTER HOURS	Total hrs. 0			Total pts.	0
	Professional Studies GPA				**#DIV/0!**
MINOR COURSES FOR CERTIFICATION:					
ED 301 Foundations of Education I - 3 sem. hrs.				0	0
ED 302 Foundations of Education II - 3 sem. hrs.				0	0
ED 305 Technology & Media in Education - 3 sem. hrs.				0	0
*SC 331 Classroom Management in Secondary Education - 3 sem. hrs.				0	0
*SC 333 Teaching Reading/Writing in the Content Areas - 3 sem. hrs.				0	0
*SC 362 Assessment and Evaluation in Secondary Education - 3 sem. hrs.				0	0
PS 334 Adolescent Psychology - 3 sem. hrs.				0	0

SE 301 Introduction to Exceptional Learners - 3 sem. hrs.				0	0
*BI 456 M/M of Teaching Biology in the Middle/High School/ - 3 sem. hrs.				0	0
*SC 486 Internship in High School Education - 9-12 sem. hrs.				0	0
*_Require admittance into the Teacher Education Program_*					
TOTAL MINOR REQUIRED FOR LICENSURE/CERTIFICATION - 36 SEMESTER HOURS	Total hrs. 0			Total pts.	0
	Teaching Field Studies GPA				**#DIV/0!**
TOTAL HOURS FOR GRADUATION - 128-132 SEMESTER HOURS	Total hrs. 0				

Substitutions: Enter in this format: Substitute course ID and title for ASU course ID

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

Exit Examinations (required): The Department of Biology administers an exit examinations. This examinations is required for graduation and serves the the following purposes: (1) Establish a benchmark for assessing knowledge gained as a result of completing the biology major at Athens State University (2) Assesses preparedness for graduate study or for admission to professional school; and (3) 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 examinations. Exit examination questions are drawn from the following areas: Cellular Biology, Ecology (including Field Ecology), Genetics, Vascular and Non-vascular Botany, and Invertebrate and Vertebrate Zoology. The examination is designed to be completed in 60 minutes. The exit examination is administered during the term at the end of which the major expects to graduate. Contact the Office of Testing (256-233-6560) to schedule an appointment.

Advising Notes:

- MINIMUM HOURS FOR GRADUATION: 124 SEMESTER HOURS. A MINIMUM OF 33 SEMESTER HOURS MUST BE COMPLETED WITH ATHENS STATE UNIVERSITY.
- THE APTT MUST BE TAKEN AND PASSED BEFORE APPLYING FOR TEP;
- THE PRAXIS II MUST BE TAKEN AND PASSED BEFORE APPLYING FOR INTERNSHIP
- MUST INCLUDE A MINIMUM OF 60 SEMESTER HOURS OF UPPER LEVEL COLLEGE/UNIVERSITY CREDIT (300/400 LEVEL CREDIT).
- No more than 64 hours of junior college credit may be applied toward the baccalaureate degree

Advising Notes