| Athens State University | College of Arts & Sciences with a minor in Licensure and Certification | 2011-12 | B.S. Chemistry Licensure/Certification | 40.0501 |
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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** | | | | | |
| Calculus I - 4 sem. hrs. | | | | 0 | 0 |
| College Chemistry 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** | | | | | |
| Calculus II - 4 sem hrs. | | | | 0 | 0 |
| Calculus III - 4 sem hrs. | | | | 0 | 0 |
| General Physics I (Calculus based) - 4 sem. hrs. | | | | 0 | 0 |
| General Physics II (Calculus based) - 4 sem hrs. | | | | 0 | 0 |
| Electives 6 sem hrs. | | | | 0 | 0 |
| | | | | 0 | 0 |
| Total major prerequisite hours - 22 semester hours | Total hrs. 0 | | | | |
| TOTAL CORE AND MAJOR PREREQUISITE HOURS - 64 SEMESTER HOURS | Total hrs. 0 | | | | |
| **PROFESSIONAL COURSES:** | | | | | |
| CH 311/CH311L Organic Chemistry I - 5 sem. hrs. | | | | 0 | 0 |
| CH 312/CH312L Organic Chemistry II - 5 sem. hrs. | | | | 0 | 0 |
| CH 324/CH 324L Analytical Chemistry - 4 sem. hrs. | | | | 0 | 0 |
| CH 330 Enviromental Chemistry - 3 sem. hrs. | | | | 0 | 0 |
| CH 409 Biochemistry - 3 sem. hrs. | | | | 0 | 0 |
| CH 410/CH 410L Inatrumental Analysis - 4 sem. hrs. | | | | 0 | 0 |
| CH 420 Intermediate Inorganic Chemistry - 3 sem. hrs. | | | | 0 | 0 |
| CH 430/CH 430L Physical Chemistry I - 5 sem. hrs. | | | | 0 | 0 |
| CH 431/CH 431L Physical chemistry II - 4 sem. hrs. | | | | 0 | 0 |
| TOTAL PROFESSIONAL COURSES - 36 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 |
| CH456 M/Methods of Teaching Chemistry in Middle School/Hich 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 - 136 SEMESTER HOURS | Total hrs. 0 | | | | |

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

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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 _____