

BSED DEGREE PROGRAM
 Secondary School Science Teacher Certification
 Department of Mathematics and Science Education

CHEMISTRY

Science Education Program – June 2008

Specialization:

Name: _____ I.D. No. _____ Date: _____

Athens Address: _____

Cell Phone: _____ Other Phone: _____

E-mail _____

NOTE: (1) A passing score (or exemption) on GACE Basic Skills is required before taking ESCI 3450, ESCI 4450, and ESCI 4460; **(2)** A passing score on GACE Content Assessments (both parts) is required in Physics before being recommended for clear-renewable certification; **and (3)** A grade of C or better is required in all science and professional education courses. The University policy states that a grade of C- will not satisfy this grade requirement.

Note: Superscripts below refer to explanations on back page

General Education Core

Courses	Hrs	Grade
I. Foundation Courses	9	•
ENGL 1101	3	
ENGL 1102	3	
MATH 1113	3	
II. Science	7-8	•
CHEM 1211 – 1211L	4	
Life Science elective ¹	3-4	
III. Quantitative Reasoning	4	•
MATH 2250-2250L	4	
IV. World languages and culture, Humanities and the arts²	12	•
World Lang and Culture	3	
World Lang and Culture	3	
World Lang and Culture	3	
Humanities and Arts ³	3	
V. Social Science	9	•
POLS 1101 ⁴	3	
HIST 2111 or 2212	3	
Social science elective	3	
VI. Major related courses	17	•
EDUC/EFND 2110 ⁵	3	
EDUC 2120	3	
EDUC/EPSY 2130	3	
PHYS 1211-1211L ⁶	4	
PHYS 1212-1212L	4	
Elective to complete 60 hrs if needed	2	
Environmental literacy⁷		•
TOTAL hrs. for CORE	60	

Courses Related to Program of Study

Courses	Hrs	Grade
Content Specialization	35	•
MATH 2260-2260L	4	
CHEM 1212-1212L	4	
CHEM 2211-2211L	4	
CHEM 2212-2212L	4	
CHEM 2300-2300L	4	
CHEM 3110	3	
CHEM 3300	3	
CHEM 3400	3	
CHEM 3511-3511L or BCMB 3100	3	
CHEM elective ⁸	3	
Technology	3	•
ESCI 4480 or EDIT 2000	3	
Science Education⁹	26	•
ESCI 3450	3	
ESCI 4450	3	
ESCI 4460	3	
ESCI 5460	11	
ESCI 5470	3	
ESCI 5480	3	
Other	4	•
SPED 2000 or ESCI 4030	3	
PEDB	1	
Minimum Semester Hrs.	128	

EXPLANATIONS AND ALTERNATIVES – June 2008

- (1) Life science elective satisfied by completion of one of the following: BIOL 1103-1103L; BIOL 1104-1104L; BIOL 1107-1107L; BIOL 1108-1108L; ECOL 1000-1000L; LAND 1000; MARS 1020-1020L; PBIO1210-1210L; PBIO 1220-1220L
- (2) List of courses to satisfy World Languages and Culture electives can be found at www.bulletin.uga.edu
- (3) Humanities and Arts electives: ARHI 2300; ARTS 2000, 2050; CLAS 1000, 1010, 1020; CMLT 2111, 2210, 2212, 2220, 2400, 2500, 2600; DANC 2010; DRAM 2000, 2120, 2130; ENGL 2310, 2320, 2330, 2340, 2400; FREN 2700; GRMN 2300; LAND 1500, 2510, 2520; MUSI 2020, 2040, 2060, 2080; PHIL 1000, 1500; RELI 1003; ROML 2550; RUSS 2050; SPAN 2550; SPCM 1010; SPCM 1100, 1500.
- (4) Students who have not met the Georgia and U.S. Constitution requirement by examination will enroll in Political science 1101. Students who have not met the Georgia and U.S. History requirement by examination will enroll in one 3 semester hour course from the following: HIST 2111 or 2112. If students meet these requirements, they will enroll in two more courses from the following list. If requirements in the above both have been met by examination, then one or two additional courses from the list may be selected. Students will meet these requirements by selection from at least two departments. AAEC 2580; AFAM 2000; ANTH 1102, 2000, CLAS 2000, 2110, 2113; ECON 2100, 2105, 2106, 2200; GEOG 1101, 1103, 1125; HIST 2051, 2052, 2111, 2111E, 2112, 2221, 2222, 2301, 2302, 2501, 2502, 2600, 2701, 2702; PHIL 2200, 2400; POLS 1101; PSYC 1101, 1101E; RELI 2004, 2005; SOCI 1101, 2020, 2600; WMST 1110, 2010
- (5) Courses listed here replace EFND 2030 and EPSY 2020 within what was formerly called Area F. All students completing BSED degrees after Spring 2009 must have this set of courses. For students who have previously completed SPED 2000, it will count in place of EDUC 2120 through Spring 2009.
- (6) Students who plan to take physics or chemistry at the 3000 level should select the sequence PHYS 1211/1211L and PHYS 1212/1212L (calculus based physics) in order to meet prerequisite requirements.
- (7) All students must fulfill the UGA Environmental Literacy Requirement. For current information on courses which will satisfy this requirement see: <http://bulletin.uga.edu/bulletin/prg/index.html>
- (8) CHEM elective must be a 3000/4000 level chemistry course.
- (9) Admission to the Secondary (grades 7-12) Science Education Certification Program is a prerequisite for these courses. The requirements for admission include an overall grade point average of 2.50 and a passing score (or exemption) on GACE Basic Skills. Requirements for admission to the Science Education Certification Program include a) participation in at least two different teaching experiences in organized settings with school age children with a combined duration of at least 25 hours, b) a one page typed essay (not to exceed 250 words) that answers the following questions:
 - What was the nature, approximate dates, duration, and location of each teaching experience?
 - What did you learn from these experiences about the teaching profession?
 - How did these experiences affect your decision to choose the teaching profession?c) completion of at least 30 semester hours of the content specialization courses required of UGA science education majors or 30 semester hours of equivalent coursework. Application materials for Secondary Science Certification Program may be obtained in either Rooms 105 or 212 of Aderhold Hall.

