

**BSED DEGREE PROGRAM**  
Secondary School Science Teacher Certification

Department of Science Education

Specialization: **Chemistry**

Name: \_\_\_\_\_ I.D. No. \_\_\_\_\_ Date: \_\_\_\_\_

Athens Address: \_\_\_\_\_ Home Address: \_\_\_\_\_

Athens Phone: \_\_\_\_\_ Home Phone: \_\_\_\_\_

**Note: Number in parentheses ( ) refer to explanations on back page**

| General Education<br>60 Semester Hours |           |       | Science Requirements<br>35 Semester Hours |           |       | Professional Education<br>29 Semester Hours |           |       |
|--|-----------|-------|---|-----------|-------|---|-----------|-------|
| Courses                                | Hrs       | Grade | Courses                                   | Hrs       | Grade | Courses                                     | Hrs       | Grade |
| <i>Area A: Essential Skills</i>        | <b>9</b>  |       | <i>Area F: Related to Major</i>           | <b>17</b> |       | <i>Technology:</i>                          | <b>3</b>  |       |
| ENGL 1101                              | 3         |       | EFND 2030                                 | 3         |       | ESCI 4480 or<br>EDIT 2020                   | 3         |       |
| ENGL 1102                              | 3         |       | EPSY 2020                                 | 3         |       |   |           |       |
| Math 1113                              | 3         |       | *SPED 2000                                | 3         |       | <i>Science Education:</i>                   | <b>26</b> |       |
| <i>Area B: Options</i>                 | <b>4</b>  |       | PHYS 1211-1211L(7)                        | 4         |       | ESCI 3450                                   | 3         |       |
| elective(1)                            | 4         |       | PHYS 1212-1112L                           | 4         |       | ESCI 4450 (8)                               | 3         |       |
| <i>Area C: Humanities/FA</i>           | <b>6</b>  |       | <i>Content Specialization</i>             | <b>35</b> |       | ESCI 4460                                   | 3         |       |
| Fine Arts (2)                          | 3         |       | MATH 2210-2210L                           | 4         |       | ESCI 5460                                   | 11        |       |
| Humanities (3)                         | 3         |       | CHEM 2211-2211L                           | 4         |       | ESCI 5470                                   | 3         |       |
| <i>Area D: Math/Science (4)</i>        | <b>12</b> |       | CHEM 2212-2212L                           | 4         |       | ESCI 5480                                   | 3         |       |
| CHEM 1211-1211L                        | 4         |       | CHEM 2300-2300L                           | 4         |       |   |           |       |
| CHEM 1212-1212L                        | 4         |       | CHEM 3211                                 | 3         |       |   |           |       |
| MATH 2200-2200L                        | 4         |       | CHEM 3212                                 | 3         |       | Minimum Semester Hrs                        | 124       |       |
| <i>Area E: Social Science (5)</i>      | <b>12</b> |       | CHEM 3300                                 | 3         |       | PEDB  | 1         |       |
| Behavioral Science                     | 3         |       | CHEM 3400                                 | 3         |       |   |           |       |
| Social Science                         | 3         |       | CHEM 3511-3511L<br>or BCMB 3100           | 3         |       |   |           |       |
| POLS 1101-1101D                        | 3         |       | Science or Science<br>Education Elective  | 4         |       |   |           |       |
| HIST 2111 or 2112                      | 3         |       |   |           |       |   |           |       |
| <b>Note: Env Literacy<br/>Req (6)</b>  |           |       |   |           |       |   |           |       |

TENTATIVE SCHEDULE FOR COURSES

|       |       |       |
|-------|-------|-------|
| _____ | _____ | _____ |
| _____ | _____ | _____ |
| _____ | _____ | _____ |
| _____ | _____ | _____ |
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\*ESCI 4030 can replace SPED 2000

A passing score on PRAXIS I is required before taking ESCI 3450, ESCI 4450, and ESCI 4460. A passing score on PRAXIS II is required in Chemistry before being recommended for certification. Broad field science certification is not possible within the degree program, but may be obtained by completing a 12-15 semester hour concentration in each of three additional science fields (biology, physics, and earth sciences) not included in areas A-E of the core curriculum. At least 9 hours of the concentration in each of the three additional science fields must be at the junior or senior level.

## EXPLANATIONS AND ALTERNATIVES

- (1) Area B will be satisfied by electives selected by the student with approval of academic advisor.
- (2) Area C is satisfied by completing two of the following courses, selected with the advice of an academic advisor. Students may elect one course from the Fine Arts list below and one from the Humanities list, or students may elect two courses from different departments in the Humanities list. ARTS 2000, ARTS 2050, ARHI 2100, DANC 2010, DRAM 2000, DRAM 2120, DRAM 2130, MUSI 2020, MUSI 2040, MUSI 2060, MUSI 2080.
- (3) Humanities: CLAS 1000, 1010, 1020, CMLT 2210, 2220, 2111, 2212, 2400, ENGL 2310, 2320, 2330, 2340, 2400, EDES 2510, 2520, ITAL 2500, LING 2100, PHIL 1000, 1500, 2200, RELI 1001, 1002, 1003, 2004, 2005, ROML 2550, RUSS 2050, SPCM 1100, 1500.
- (4) All courses in Area D must be completed with a grade of C or better.
- (5) 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. AFAM 2000, ANTH 1102, 2310, ECON 2105, 2106, 2100, 2200, EDES 1500, GEOG 1101-1101D, 1125-1125D, 1103-1103D, HIST 2051, 2052, 2111, 2112, 2050H, 2221, 2222, 2301, 2302, 2501, 2502, 2560, 2601, 2602, 2701, 2702, POLS 1101, PSYC 1101, 2100, SOCI 1101, 1600, (AFAM) 2020, 2400, (AFAM) 2820, SPCM 1010, WMST 1110, 2010.
- (6) All students must fulfill the UGA Environmental Literacy Requirement: AAEC 3060, 4650, 4800-4800L, 4930, ADSC 2010-2010L, 4010, ANTH 1102, 4070, 4790, BIOL 1103-1103L, 1104-1104L, 1107-1107L, 1108-1108L, BTNY 1210-1210L, CHEM 1110-1110L, CRSS 2010-2010L, 3050-3050L, (FORS) 3060-3060L, 4340-4340L, 4400, 4590-4590L, 4670, ECOL 1000-1000L, 3070, (BIOL) 3500-3500L, (EETH) 4200-4200L, EDES 1500, EETH (AGRI) 4190, EHSC 3060, 4490, ENGR 3050, ENTO 3740-3740L, (CRSS) 4250-4250L, 4740-4740L, FORS 3020-3020L, GEOG 1101-1101D, 1111, 1112, 1125-1125D, 2250H-2250D, 3210, (BTNY) 4220, 4810, GEOL 1121, 1122, 1250-1250L, 1260-1260L, 2120, 2350H, 2360H, 3030, 3120-3120L, 3150, 3250, 3300, 4220, 4330, 4520, 4700, 4750, HORT 2000, 4890, 4900-4900D, MARS 1010-1010L, 1020-1020L, MMIB 4800, PATH (ANTH) (BTNY) 3010, 3530-3530L, PHIL (EETH) 4220, POUL 4330, RLST (FORS) 3310, 4840, SOCI 2400, (ANTH) (POLS) 3450, TXMI 3550.
- (7) 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.
- (8) Admission to Teacher Education and the Secondary (grades 7-12) Science Education Certification Program are prerequisites for this course. The requirements for admission to Teacher Education include an overall grade point average of 2.50 and a passing score on Praxis I. 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 Teacher Education and the Secondary Science Certification Program may be obtained in Rooms 315 and 212 of Aderhold Hall, respectively.