

# General Science: Specialization in Biology or Earth Sciences (Certifiable for Elementary Education) - Biology

Academic Map

Literacy, Elementary, & Early Childhood Education

Effective Year: 2017–2018

Track: Biology

| Semester 1                                   | Cr. | Min Gr. | Milestone  |
|--|-----|---------|--|
| BIO 121 General Biology I                    | 4   | C-      | An SAT score or CCSU Placement Test determines placement in Mathematics and English courses. |
| ENG 110 Introduction to College Writing      | 3   | C       |  |
| MATH 113 Structure of Math I: Number Systems | 3   | C       | Target cumulative GPA $\geq$ 2.70.   |
| General Education (PE 144 suggested)         | 2-3 |         |  |
| General Education                            | 3   |         |  |

**Total: 15-16**

| Semester 2                         | Cr. | Min Gr. | Milestone                               |
|------------------------------------|-----|---------|---|
| General Education course           | 2-3 |         | ! Complete any required fingerprinting. |
| BIO 122 General Biology II         | 4   | C-      | Target cumulative GPA $\geq$ 2.70.      |
| MATH 213 Structure of Math II      | 3   | C       |   |
| PSY 136 Life-Span Development      | 3   | C       |   |
| SCI 211 Earth and Physical Science | 3   | C       |   |

**Total: 15-16**


| Semester 3                                   | Cr. | Min Gr. | Milestone  |
|--|-----|---------|--|
| BIO 200 Integrative Biology                  | 4   | C-      | ! Target cumulative GPA $\geq$ 2.70.   |
| EDF 215 Education in a Multicultural Society | 3   | C       | Begin preparing for application to the Professional Program for Teacher Certification. |
| GSCI or AST major course                     | 3-4 | C-      |  |
| HIST 161 or HIST 162                         | 3   | C       | Take Science and Math subtests of the Praxis II  |
| PSY 361 or PSY 362                           | 3   | C       | Elementary Multiple Subjects Test at end of semester.                                  |


**Total: 16-17**


| Semester 4               | Cr. | Min Gr. | Milestone  |
|--------------------------|-----|---------|--|
| GSCI major course        | 4   | C-      | ! Maintain cumulative GPA $\geq$ 2.70.   |
| PHYS 111 or PHYS 121     | 3-4 | C-      | Submit completed application to the Professional Program for Teacher Certification by February 10 or September 10. |
| General Education        | 3   |         |  |
| General Education course | 3   |         |  |
| General Education course | 3   |         |  |


**Total: 16-17**

You must be accepted to the Professional Program for Teacher Certification to progress beyond this point and take any \*Professional Program\* classes.

| Semester 5   |     | Cr.          | Min Gr. | Milestone  |
|--|-----|--------------|---------|--|
| *EDEL 315 Principles of Learning: Elementary Education             | 3   |              | C       |  Earn semester GPA $\geq$ 2.70<br>Complete the Dyslexia module for pre-service teachers.<br>NOTE: 30+ hours of off-campus field experience required; some courses may be held in an elementary school.<br>Take Social Studies subtest of Praxis II. |
| *EDT 305 Educational Technology for Elementary                     | 1   |              | C       |  |
| *FA 412 Fine Arts Across the Curriculum                            | 3   |              | C       |  |
| *RDG 315 Comprehensive Reading Instruction I                       | 3   |              | C       |  |
| *SPED 315 Introduction to Educating Learners with Exceptionalities | 3   |              | C       |  |
| BIO elective   | 3-4 |              | C-      |  |
| <b>Total:</b>  |     | <b>16-17</b> |         |  |

| Semester 6                                    |     | Cr.          | Min Gr. | Milestone  |
|---|-----|--------------|---------|--|
| *EDEL 322 Effective Elementary Teaching I     | 3   |              | C       |  Earn semester GPA $\geq$ 2.70<br>NOTE: 45+ hours of off-campus field experience required; some courses may be held in an elementary school.<br>Take Foundations of Reading Test and Reading and Language Arts subtest of the Praxis II at end of semester. |
| *EDEL 415 Elementary Social Studies Methods   | 2   |              | C       |  |
| *EDT 415 Developing Instructional Materials   | 1   |              | C       |  |
| *RDG 316 Comprehensive Reading Instruction II | 3   |              | C       |  |
| BIO elective                                  | 3-4 |              | C-      |  |
| General education course                      | 3   |              |         |  |
| <b>Total:</b>                                 |     | <b>15-16</b> |         |  |

| Semester 7  |   | Cr.       | Min Gr. | Milestone   |
|---|---|-----------|---------|---|
| *EDEL 420 Effective Elementary Teaching II          | 3 |           | C       |  Earn semester GPA $\geq$ 2.70<br>Apply for graduation early in the semester.<br>Apply for Student Teaching by September 15 or February 15.<br>NOTE: 45-60 hours of off-campus field experience required; some courses may be held in an elementary school. |
| *MATH 412 Elementary Mathematical Methods           | 3 |           | C       |   |
| *RDG 412 Literacy in the Elementary School          | 3 |           | C       |   |
| *SCI 412 Learning and Curriculum Studies in Science | 2 |           | C       |   |
| CHEM 161 General Chemistry                          | 3 |           | C-      |   |
| CHEM 162 General Chemistry laboratory               | 1 |           | C-      |   |
| <b>Total:</b>                                       |   | <b>15</b> |         |   |

| Semester 8   |   | Cr.       | Min Gr. | Milestone   |
|--|---|-----------|---------|---|
| *EDEL 430 Elementary Education Student Teaching        | 9 |           | C       |  Earn semester GPA $\geq$ 2.70<br>NOTE: No other courses may be scheduled during this semester |
| *EDTE 430 Seminar in Leadership & Learning Communities | 1 |           | C       |   |
| <b>Total:</b>  |   | <b>10</b> |         |   |