

# Curriculum in General Science Education

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## Freshman

| Fall  | Hours | Spring  | Hours |
|---|-------|---|-------|
| ENGL 1100 English Composition I                       |       | 3 GEOL 1100 Dynamic Earth                                 | 4     |
| MATH 1610 Calculus I <b>or</b> 1617 Honors Calculus I |       | 4 BIOL 1030 Organismal Biology                            | 3     |
| BIOL 1020 Principles of Biology                       |       | 3 BIOL 1031 Organismal Biology Laboratory                 | 1     |
| BIOL 1021 Principles of Biology Laboratory            |       | 1 Humanities Core   | 3     |
| Core Fine Arts  |       | 3 ENGL 1120 English Composition II                        | 3     |
| Core History <sup>1</sup>                             |       | 3 EDUC 1010 Orientation to Teacher Education <sup>4</sup> | 0     |
|   |       | Core History or Core Social Science                       | 3     |
|   | 17    |   | 17    |

## Sophomore

| Fall   | Hours | Spring  | Hours |
|--|-------|---|-------|
| CHEM 1030 Fundamentals Chemistry I           |       | 3 CHEM 1040 Fundamental Chemistry II            | 3     |
| CHEM 1031 Fundamental Chemistry I Laboratory |       | 1 CHEM 1041 Fundamental Chemistry II Laboratory | 1     |
| Core Literature <sup>1</sup>                 |       | 3 Core Literature or Core Humanities            | 3     |
| Core Social Science                          |       | 3 Core Social Science                           | 3     |
| BIOL 2500 Human Anatomy and Physiology I     |       | 3 BIOL 3060 Ecology                             | 4     |
| BIOL 3030 Evolution and Systematics          |       | 3 GEOL 1110 Earth and Life Through Time         | 4     |
|  | 16    |   | 18    |

## Junior

| Fall  | Hours | Spring  | Hours |
|---|-------|---|-------|
| Select one of the following:<br>PHYS 1500 General Physics I<br>PHYS 1600/1607 Engineering Physics I |       | 4 Select one of the following:<br>PHYS 1510 General Physics II<br>PHYS 1610/1617 Engineering Physics II | 4     |
| FOUN 3000 Diversity of Learners and Settings <sup>4</sup>   |       | 3 CTSE 4090 Curriculum and Teaching I: Science <sup>2,4</sup>   | 4     |
| CTSE 5000 Technology in Science Education <sup>4</sup>  |       | 2 GEOL 5220 Geomorphology   | 3     |
| GEOL 2010 Mineralogy and Optical Crystallography  |       | 5 RSED 3000 Diversity and Exceptionality of Learners  | 3     |
| GEOL 3060 Lunar and Planetary Geology   |       | 3 Course 3000-5000 level Earth Systems Science Elective   | 3     |
|   | 17    |   | 17    |

## Senior

| Fall  | Hours | Spring  | Hours |
|---|-------|---|-------|
| FOUN 3120 Adolescent Development, Learning, Motivation and Assessment II <sup>2,4</sup> |       | 3 UNIV 4AA0 Creed to Succeed  | 0     |
| CTSE 5100 Curriculum and Teaching II: Science   |       | 4 CTSE 4920 Clinical Residency <sup>3</sup>                               | 11    |
| CTRD 5000 Language and Literacy in the Content Areas <sup>2,4</sup>                     |       | 3 CTSE 5240 Clinical Residency Seminar in Science Teaching <sup>2,5</sup> | 1     |

**GEOL 3200 Introduction to Paleobiology**

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Total Hours: 127

- 1 Students must complete a history sequence or a literature sequence.
- 2 Prerequisite: Admission to Teacher Education.
- 3 Prerequisite: Admission to Clinical Residency (application for Clinical Residency is one year in advance).
- 4 Prerequisite for Admission to Clinical Residency.
- 5 Corequisite for Clinical Residency.