

Major:

**Natural Science Education (B.A., B.S.)**

Departments/Programs:

Education (Undergraduate)

Natural Science Education Major (82 hours)

|   |                 |
|---|-----------------|
| <b>Required Biology Courses</b>   | <b>16 hours</b> |
| BIO 050 General Biology of Plants   | 4 hours         |
| BIO 060 General Biology of Animals  | 4 hours         |
| BIO 160 Cell Biology  | 4 hours         |
| BIO 170 Genetics  | 4 hours         |
| <b>Required Chemistry Courses</b>   | <b>16 hours</b> |
| CHEM 051 Chemical Principles and<br>CHEM 051L Chemical Principles Laboratory  | 4 hours         |
| CHEM 120 Organic Chemistry I and<br>CHEM 120L Organic Chemistry I Laboratory  | 4 hours         |
| CHEM 121 Organic Chemistry II: Synthesis and Mechanisms and<br>CHEM 121L Organic Chemistry II Laboratory  | 4 hours         |
| CHEM 122 Analytical and Inorganic Chemistry and<br>CHEM 122L Analytical and Inorganic Chemistry Laboratory  | 4 hours         |
| <b>Required Physics Courses</b>   | <b>16 hours</b> |
| PHYS 101 Principles of Physics I or<br>PHYS 111 General Physics I   | 4 hours         |
| PHYS 102 Principles of Physics II or<br>PHYS 112 General Physics II   | 4 hours         |
| Phys elective courses: Select 8 hours of<br>PHYS 121 Electronic Measurements<br>PHYS 162 Introduction to Modern Physics or<br>PHYS 054 Energy and the Global Environment and PHYS 055 Energy and the Global Environment Lab | 8 hours         |
| <b>Required Earth Science Courses</b>   | <b>12 hours</b> |
| PHYS 010 Astronomy  | 4 hours         |
| PHYS 020 Introduction to Meteorology  | 4 hours         |
| PHYS 053 Earth Science  | 4 hours         |
| <b>Science Electives</b>  | <b>4 hours</b>  |
| Biology, Chemistry, or Physics, for a total of at least 24 hours in one of the science subject areas.   |                 |
| <b>Required Methods Course</b>  | <b>3 hours</b>  |
| EDUC 228 Methods for Teaching Science in Middle and Secondary Schools   | 3 hours         |
| <b>Senior Comprehensive:</b>  | <b>15 hours</b> |
| EDUC 287 Supervised Teaching in the Secondary School  | 1 hours         |
| EDUC 299 Student Teaching Seminar   | 1 hours         |