

**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 CHEM 051L Chemical Principles Laboratory	4 hours
CHEM 120 Organic Chemistry I and CHEM 120L Organic Chemistry I Laboratory	4 hours
CHEM 121 Organic Chemistry II: Synthesis and Mechanisms and CHEM 121L Organic Chemistry II Laboratory	4 hours
CHEM 122 Analytical and Inorganic Chemistry and 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 PHYS 111 General Physics I	4 hours
PHYS 102 Principles of Physics II or PHYS 112 General Physics II	4 hours
Phys elective courses: Select 8 hours of PHYS 121 Electronic Measurements PHYS 162 Introduction to Modern Physics or 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	1-14 hours
EDUC 299 Student Teaching Seminar	1 hours