Nebraska Wesleyan University

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

Catalog

2011-2012

Departments

1. Education (Undergraduate)

Natural Science Education Major (82 hours)

Required Biology Courses	16 hours
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
Required Chemistry Courses	**16 hours**
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
Required Physics Courses	**16 hours**
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
Required Earth Science Courses	**12 hours**
PHYS 010 Astronomy	4 hours
PHYS 020 Introduction to Meteorology	4 hours
PHYS 053 Earth Science	4 hours
Science Electives	**4 hours**
Biology, Chemistry, or Physics, for a total of at least 24 hours in one of the science subject areas.	
Required Methods Course	**3 hours**
EDUC 228 Methods for Teaching Science in Middle and Secondary Schools	3 hours

Senior Comprehensive:	15 hours
EDUC 287 Supervised Teaching in the Secondary School	1-14 hours
EDUC 299 Student Teaching Seminar	1 hours