Nebraska Wesleyan University

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

Catalog

2024-2025

Departments

1. Education (Undergraduate)

Science Education Major (77 hours)

Required Biology Courses	16 hours
BIO 1400FYW Introduction to Biological Inquiry	4 hours
BIO 2200 Genetics and Cell Biology	4 hours
BIO 2300 Ecology and Evolution	4 hours
BIO 3800 Molecular Genetics	4 hours
Required Chemistry Courses	**19 hours**
CHEM 1110 Chemical Principles I and CHEM 1110L Chemical Principles I Laboratory	4 hours
CHEM 1120 Chemical Principles II and CHEM 1120L Chemical Principles II Laboratory	4 hours
CHEM 2100 Organic Chemistry I and CHEM 2100L Organic Chemistry I Laboratory	4 hours
CHEM 2110 Organic Chemistry II: Synthesis and Mechanisms and CHEM 2110L Organic Chemistry II Laboratory	4 hours
CHEM 3410 Biochemistry	3 hours
Required Physics Courses	**12 hours**
PHYS 1600 Principles of Physics I or PHYS 2000 General Physics I	4 hours
PHYS 1700 Principles of Physics II or PHYS 2100 General Physics II	4 hours
PHYS 1200 Energy and the Global Environment	4 hours
Required Earth Science Courses	**12 hours**
PHYS 1100 Introduction to Geology	4 hours
PHYS 1300 Astronomy	4 hours
PHYS 1400 Introduction to Meteorology	4 hours
Required Methods Course	**3 hours**
EDUC 3280 Methods for Teaching Science in 7-12	3 hours
Capstone	**15 hours**
EDUC 4870 Supervised Teaching in the Secondary School	14 hours
EDUC 4990 Student Teaching Seminar	1 hour