

Nebraska Wesleyan University
 Catalog 2019-2020

Major:

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

Departments/Programs:

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 and BIO 3850 Molecular Genetics Lab		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 and PHYS-1200L		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