

**Nebraska Wesleyan University**  
 Catalog 2020-2021

Major:

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

Departments/Programs:

Education (Undergraduate)

**Science Education Major (77 hours)**

<b>Required Biology Courses</b>	<b>16 hours</b>
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
<b>Required Chemistry Courses</b>	<b>19 hours</b>
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
<b>Required Physics Courses</b>	<b>12 hours</b>
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
<b>Required Earth Science Courses</b>	<b>12 hours</b>
PHYS 1100 Introduction to Geology	4 hours
PHYS 1300 Astronomy	4 hours
PHYS 1400 Introduction to Meteorology	4 hours
<b>Required Methods Course</b>	<b>3 hours</b>
EDUC 3280 Methods for Teaching Science in 7-12	3 hours
<b>Capstone</b>	<b>15 hours</b>
EDUC 4870 Supervised Teaching in the Secondary School	14 hours
EDUC 4990 Student Teaching Seminar	1 hour