

**Nebraska Wesleyan University**  
 Catalog 2016-2017

Major:

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

Departments/Programs:

Education (Undergraduate)

**Science Education Major (59 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<br>BIO-3850  | 4 hours         |
| <b>Required Chemistry Courses</b>  | <b>19 hours</b> |
| CHEM 1110 Chemical Principles I and<br>CHEM 1110L Chemical Principles I Laboratory                         | 4 hours         |
| CHEM 2100 Organic Chemistry I and<br>CHEM 2100L Organic Chemistry I Laboratory                             | 4 hours         |
| CHEM 2110 Organic Chemistry II: Synthesis and Mechanisms and<br>CHEM 2110L Organic Chemistry II Laboratory | 4 hours         |
| CHEM 1120 Chemical Principles II and<br>CHEM 1120L Chemical Principles 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<br>PHYS 2000 General Physics I  | 4 hours         |
| PHYS 1700 Principles of Physics II or<br>PHYS 2100 General Physics II                                      | 4 hours         |
| PHYS 1200 Energy and the Global Environment and<br>PHYS-1200L  | 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>Senior Comprehensive</b>  | <b>15 hours</b> |
| EDUC 4870 Supervised Teaching in the Secondary School  | 14 hours        |
| EDUC 4990 Student Teaching Seminar   | 1 hour          |