Nebraska Wesleyan University

Biology (B.A.)

Catalog

2025-2026

Program Description

The B.A. and the B.S. in biology can both provide students with the experience and knowledge necessary to have a successful career. A B.A. in biology requires 20 approved hours from Math, Physics, or Chemistry department courses. The B.A. has a more flexible supporting area and is a particularly appealing option for students who would like to combine their biology degree with another area of emphasis.

Departments

1. Biology

Biology Major (B.A., 31 hours plus a 20-hour supporting program)

Biology Core	12 hours
BIO 1400FYW Introduction to Biological Inquiry	4 hours
BIO 2200 Genetics and Cell Biology	4 hours
BIO 2300 Ecology and Evolution	4 hours
Biology Electives	**16 hours**
Must take at least one lab course from Areas A and B.	
Area A. Cellular, Developmental and Molecular Biology • BIO 3160 Medical Botany and BIO 3170 Medical Botany Lab (lab course) • BIO 3690 Microbiology/BIO 3690L Microbiology Laboratory (lab course) • BIO 3800 Molecular Genetics • BIO 4190 Histology (lab course) • BIO 4750 Immunology	**4 hours**
Area B. Population and Ecological Biology • BIO 3180 Plant Taxonomy (lab course) • BIO 3220 Parasitology (lab course) • BIO 3500 Conservation Biology (lab course) • BIO 3530 Principles of Marine Biology and Oceanography • BIO 3640 Animal Behavior and BIO 3650 Laboratory in Animal Behavior (lab course) • BIO 4210 Ecology (lab course) • BIO 4480 Vertebrate Zoology (lab course) • BIO 4610 Evolution	**4 hours**
Additional Biology Electives	**8 hours**
Capstone	**3 hours**
BIO 4990 Senior Capstone	3 hours

BIO 1080 Microbiology, BIO 1090 Introduction to Human Anatomy and Physiology I, and BIO 1100 Introduction to Human Anatomy and Physiology II may not fulfill biology major requirements.

Required Supporting Program	20 hours

An approved supporting program of 20 hours is also required, normally comprised of courses from the Math, Physics, or Chemistry departments. Required Supporting Program Courses:

- CHEM 1110 Chemical Principles I and CHEM 1110L Chemical Principles I Laboratory
- CHEM 2100 Organic Chemistry I and CHEM 2100L Organic Chemistry I Laboratory