

# Biology Minor (844)

26 hours

## Introductory Track, 8 hours

- \_\_\_ BIOL 2051 General Biology: Organismal Diversity, 4 hours
- \_\_\_ BIOL 2052 General Biology: Cell Structure and Function, 4 hours

## Required Chemistry, 5-8 hours

- \_\_\_ CHEM 1110 General Chemistry I, 4 hours
- \_\_\_ CHEM 1120 General Chemistry II, 4 hours
- OR
- \_\_\_ CHEM 1130 General Chemistry I-II, 5 hours

## Electives in Biology, 10-13 hours

Must be at the 3000 or 4000/level to total a minimum of 26 hours for the minor

## Notes:

To graduate from UNI with a biology minor, students must have both a cumulative and a minor UNI GPA of 2.50 or higher, with a grade of C- (1.67) or higher in all courses that are applied to the minor.

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Prerequisite for **3000 level courses** include completion of

- a. BIOL 2052 General Biology: Cell Structure and Function with C- or higher
- b. BIOL 2051 General Biology: Organismal Diversity with C- or higher
- c. CHEM 1110 General Chemistry I with C- or higher
- d. CHEM 1120 General Chemistry II with C- or higher

Prerequisite for **4000 level courses** include junior standing and completion of

- a. BIOL 2052 General Biology: Cell Structure and Function with C- or higher
  - b. BIOL 2051 General Biology: Organismal Diversity with C- or higher
  - c. CHEM 1110 General Chemistry I with C- or higher
  - d. CHEM 1120 General Chemistry II with C- or higher
- and
- e. BIOL 3140 Genetics with C- or higher
  - f. BIOL 3100 Evolution, Ecology and the Nature of Science with C- or higher
  - g. Some biology elective courses may require an advanced chemistry course. Check the UNI Catalog for course prerequisites.

Courses not eligible for biology electives for the biology minor include:

- BIOL 3101 Anatomy & Physiology I
- BIOL 3179 Cooperative Education
- BIOL 3185 Readings in Biology
- BIOL 3190 Undergraduate Research in Biology
- BIOL 4198 Independent Study

## BIOLOGY MINOR (844) ELECTIVE OPTIONS

1. Prerequisite for 3000 level courses include completion of
  - a. BIOL 2052 General Biology: Cell Structure and Function with C- or higher
  - b. BIOL 2051 General Biology: Organismal Diversity with C- or higher
  - c. CHEM 1110 General Chemistry I with C- or higher
  - d. CHEM 1120 General Chemistry II with C- or higher
2. Prerequisite for 4000 level courses include junior standing and completion of
  - a. BIOL 3140 Genetics with C- or higher
  - b. BIOL 3100 Evolution, Ecology and the Nature of Science with C- or higher
  - c. BIOL 2052 General Biology: Cell Structure and Function with C- or higher
  - d. BIOL 2051 General Biology: Organismal Diversity with C- or higher
  - e. CHEM 1110 General Chemistry I with C- or higher
  - f. CHEM 1120 General Chemistry II with C- or higher
  - g. Courses with # have additional prerequisites. Check course catalog for complete details. [www.uni.edu/catalog](http://www.uni.edu/catalog)

**BIOL3100** Ecology, Evolution & Nature of Science  
(Fall, Spring, and Summer), 3 hrs

**BIOL3102** Anatomy and Physiology II\*  
(Fall, Spring, and Summer), 4 hrs

**BIOL3103** Applied Ecology and Conservation  
(Variable), 4 hrs

**BIOL3106** Vertebrate Anatomy (Variable), 4 hrs

**BIOL3107** Environmental Physiology  
(Variable), 3 hrs

**BIOL3108** Vertebrate Histology (Variable), 4 hrs

**BIOL3112** Invertebrate Zoology (Spring), 4 hrs

**BIOL3120** Plant Diversity and Evolution  
(Spring), 4 hrs

**BIOL3140** Genetics (Fall, Spring), 4 hrs

**BIOL3147** Cancer and Emerging Infectious  
Diseases (Spring), 3 hrs

**BIOL3151** General Microbiology  
(Fall and Spring), 4 hrs

**BIOL3152** Microbial Molecular Genetics  
(Variable), 4 hrs

**BIOL3160** Field Zoology of Vertebrates  
(Spring), 4 hrs

**BIOL3170** Entomology (Variable), 3 hrs

**BIOL3174** Field Biology: \_\_\_\_\_  
(Variable), 1-3 hrs

**BIOL4105** Wildlife Ecology and Management  
(Variable), 4 hrs

**BIOL4114** Comparative Animal Physiology#  
(Odd Falls), 4 hrs

**BIOL4116** Neurobiology# (Variable), 3 hrs

**BIOL4121** Plant Biotechnology (Variable), 4 hrs

**BIOL4122** Plant Physiology # (Spring), 4 hrs

**BIOL4127** Bioinformatics Applications for Biology,  
(Variable), 3hrs

**BIOL4128** Cell Biology# (Fall), 4 hrs

**BIOL4129** Genomics and Proteomics  
(Variable), 3 hrs

**BIOL4131** Animal Behavior (Variable), 4 hrs

**BIOL4137** Vertebrate Physiology# (Variable), 4 hrs

**BIOL4142** Evolutionary Biology (Spring), 3 hrs

**BIOL4143** Biogeography and Origins of Diversity  
(Variable), 3 hrs

**BIOL4144** Virology (Variable), 4 hrs

**BIOL4146** Developmental Biology of Animals  
(Spring), 4 hrs

**BIOL4150** Immunology (Fall), 4 hrs

**BIOL4153** Recombinant DNA Techniques  
(Variable), 4 hrs

**BIOL4154** Aquatic Ecology (Fall), 4 hrs

**BIOL4155** Ecotoxicology (Variable), 4 hrs

**BIOL4157** Biostatistics (Variable), 3 hrs

**BIOL4164** Mammalogy (Fall), 4 hrs

**BIOL4166** Plant Systematics (Fall), 4 hrs

**BIOL4167** Conservation Biology (Even Falls), 3 hrs

**BIOL4168** Ecology (Fall), 4 hrs

**BIOL4172** Developmental Plant Anatomy  
(Fall), 4 hrs

**BIOL4178** Fire Management in Ecosystems  
(Variable), 3 hrs

**BIOL4180** Restoration Ecology (Fall), 4 hrs

### NOTES:

- To graduate from UNI with a biology minor, students must have both a cumulative and a minor UNI GPA of 2.50 or higher, with a grade of C- (1.67) or higher in all courses that are applied to the minor
- \*Must take BIOL 3101 Anatomy and Physiology I OR BIOL 3106 Vertebrate Anatomy and BIOL 3102 Anatomy and Physiology II at UNI for BIOL 3102 to be counted as biology major elective credit. BIOL 3101 Anatomy & Physiology I counts as university elective credit.
- <http://catalog.uni.edu/collegeofhumanitiesartsandsciences/biology/>