BIOLOGY, BACHELOR OF SCIENCE

Offered by Department of Biology (http://catalog.unk.edu/undergraduate/departments-programs/biology/)

General Studies Program

**Foundational Requirements (LOPERs 1-4)** 12

Including:

LOPER 4: Mathematics, Statistics, and Quantitative Reasoning

- **MATH 103** Plane Trigonometry

**Broad Knowledge Requirements (LOPERs 5-8)** 13

Including:

LOPER 8: Natural Science

- **BIOL 105** Biology I

Dispositional Requirements: (LOPER 9-10) 2

Wellness (LOPER 11) Optional 0

Program-Specified Requirements 4

- **BIOL 106** Biology II

**BS Science-related course requirements** 8

- **CHEM 160** General Chemistry
- **CHEM 160L** General Chemistry Laboratory
- **CHEM 161** General Chemistry
- **CHEM 161L** General Chemistry Laboratory

Major Option

Complete all required courses 30

Minor or 2nd Major

Complete all required courses 24

Unrestricted electives

Needed to reach 120 credit hour minimum 23

Total Credit Hours 120

A minimum 2.5 GPA is required in all courses counting toward this major.

### Major Option

<table>
<thead>
<tr>
<th>Code</th>
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<th>Credit Hours</th>
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<tbody>
<tr>
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<td>3</td>
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Select 2 credit hours of the following:

- **BIOL 421** Seminar in Biology
- **BIOL 431A** Research Methods IIA
- **BIOL 431B** Research Methods IIB

### Biology Option Core Requirements

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Select 2 credit hours of the following:

- **BIOL 421** Seminar in Biology
- **BIOL 431A** Research Methods IIA

AND

### Biology Option Required Electives

#### Field electives

Select 6 credit hours of the following: 6

- **BIOL 330** Wildlife Conservation
- **BIOL 405** Range and Wildlife Management
- **BIOL 406** Plant Ecology
- **BIOL 418** Plant Taxonomy
- **BIOL 435** Herpetology
- **BIOL 462** Animal Behavior
- **BIOL 470** Insect Biology
- **BIOL 472** Ichthyology
- **BIOL 473** Ornithology
- **BIOL 474** Mammalogy

#### Laboratory electives

Select 6 credit hours of the following: 6

- **BIOL 211** Human Microbiology
- **BIOL 215** Human Physiology
- **BIOL 225** Anatomy and Physiology
- **BIOL 226** Anatomy and Physiology
- **BIOL 309** Cellular & Molecular Biology
- **BIOL 401** Principles of Immunology
- **BIOL 403** Plant Physiology
- **BIOL 404** Developmental Biology
- **BIOL 416** Plant Diversity and Evolution
- **BIOL 440** Infectious Diseases
- **BIOL 450** Advanced Molecular Biology
- **BIOL 465** Physiology

### Biology Option Supporting Course Requirements (0 hours Required)

Select one of the following:

- **CHEM 250 & 250L** Elementary Organic Chemistry and Elementary Organic Chemistry Lab
- **CHEM 360 & 360L** Organic Chemistry and Organic Chemistry Laboratory & **CHEM 361 & 361L** Organic Chemistry and Organic Chemistry Laboratory

Total Credit Hours 30

1. The Biology degree requires a minimal mathematical competency at the level of trigonometry. Students with sufficient preparation may enter the mathematics program at a higher level, reducing the total credit hours needed. See advisor for math placement.

2. A minor or second major is required for a complete degree program. The number of required electives needed to reach 120 total credit hours overall will depend upon the specific program chosen.

3. A minor or second major is required for a complete degree program. The number of required electives needed to reach 120 total credit hours overall will depend upon the specific program chosen.

4. Courses can only count in one area and no more than 2 credit hours of BIOL 421, BIOL 430, BIOL 456, BIOL 475, BIOL 482 can be used.