BIOLOGY, BACHELOR OF SCIENCE

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

Code | Title | Credit Hours
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General Studies Program

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

Including:

1. MATH 103 Plane Trigonometry

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

Including:

1. BIOL 105 Biology I

Dispositional Requirements: (LOPER 9-10)

1. Wellness (LOPER 11) Optional

Program-Specified Requirements

1. BIOL 106 Biology II

BS Science-related course requirements

1. CHEM 160 General Chemistry
2. CHEM 160L General Chemistry Laboratory
3. CHEM 161 General Chemistry
4. CHEM 161L General Chemistry Laboratory

Major Option

1. Complete all required courses

Minor or 2nd Major

1. Complete all required courses

Unrestricted electives

1. Needed to reach 120 credit hour minimum

Unrestricted electives

1. Total Credit Hours

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

Major Option

Code | Title | Credit Hours
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Biology Option Core Requirements

1. BIOL 231 Research Methods I
2. BIOL 290 Evolution
3. BIOL 305 BioStatistics
4. BIOL 307 Ecology
5. BIOL 360 Genetics

Select 2 credit hours of the following:

1. BIOL 421 Seminar in Biology
2. BIOL 431A Research Methods IIA
3. BIOL 431B Research Methods IIB

Biology Option Required Electives

Field electives

Select 6 credit hours of the following:

1. BIOL 330 Wildlife Conservation
2. BIOL 405 Range and Wildlife Management
3. BIOL 406 Plant Ecology
4. BIOL 418 Plant Taxonomy
5. BIOL 435 Herpetology
6. BIOL 462 Animal Behavior
7. BIOL 470 Insect Biology
8. BIOL 472 Ichthyology
9. BIOL 473 Ornithology
10. BIOL 474 Mammalogy

Laboratory electives

Select 6 credit hours of the following:

1. BIOL 211 Human Microbiology
2. BIOL 215 Human Physiology
3. BIOL 225 Anatomy and Physiology
4. BIOL 226 Anatomy and Physiology
5. BIOL 309 Cellular & Molecular Biology
6. BIOL 401 Principles of Immunology
7. BIOL 403 Plant Physiology
8. BIOL 404 Developmental Biology
9. BIOL 416 Plant Diversity and Evolution
10. BIOL 440 Infectious Diseases
11. BIOL 450 Advanced Molecular Biology
12. BIOL 465 Physiology

Biology Option Supporting Course Requirements (0 hours Required)

Select one of the following:

1. CHEM 250 & 250L Elementary Organic Chemistry and Elementary Organic Chemistry Lab
2. CHEM 360 Organic Chemistry & 360L and Organic Chemistry Laboratory
3. CHEM 361 & 361L and Organic Chemistry Laboratory

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.

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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.

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.

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