# Biology, Bachelor of Science

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

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## General Studies Program

**Foundational Core (Written, Math, Oral, Democracy)**

- Foundational Core courses ([http://catalog.unk.edu/undergraduate/general-studies/general-studies-courses](http://catalog.unk.edu/undergraduate/general-studies/general-studies-courses))
  - MATH 102  College Algebra  
  - Portal

Select one course numbered 188 ([http://catalog.unk.edu/undergraduate/general-studies/general-studies-courses/portal-course](http://catalog.unk.edu/undergraduate/general-studies/general-studies-courses/portal-course))

**Distribution**

- Aesthetics ([http://catalog.unk.edu/undergraduate/general-studies/general-studies-courses/aesthetics](http://catalog.unk.edu/undergraduate/general-studies/general-studies-courses/aesthetics))
- Humanities ([http://catalog.unk.edu/undergraduate/general-studies/general-studies-courses/humanities](http://catalog.unk.edu/undergraduate/general-studies/general-studies-courses/humanities))
- Social Sciences ([http://catalog.unk.edu/undergraduate/general-studies/general-studies-courses/social-sciences](http://catalog.unk.edu/undergraduate/general-studies/general-studies-courses/social-sciences))
- Natural Sciences ([http://catalog.unk.edu/undergraduate/general-studies/general-studies-courses/natural-sciences](http://catalog.unk.edu/undergraduate/general-studies/general-studies-courses/natural-sciences))

- BIOL 105  Biology I
- BIOL 106  Biology II
- Analytical and Quantitative Thought ([http://catalog.unk.edu/undergraduate/general-studies/general-studies-courses/analytical-quantitative-thought](http://catalog.unk.edu/undergraduate/general-studies/general-studies-courses/analytical-quantitative-thought))
- Wellness ([http://catalog.unk.edu/undergraduate/general-studies/general-studies-courses/wellness](http://catalog.unk.edu/undergraduate/general-studies/general-studies-courses/wellness))

Need to reach 27 credit hour minimum in Distribution

## Capstone

Select one course numbered 388 ([http://catalog.unk.edu/undergraduate/general-studies/general-studies-courses/capstone-course](http://catalog.unk.edu/undergraduate/general-studies/general-studies-courses/capstone-course))

## BS Science-related course requirements

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

## Major Option

- Complete all required courses  
- Minor or 2nd Major

- Complete all required courses  

## Unrestricted electives

- Needed to reach 120 credit hour minimum

## Total Credit Hours

- 120

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

### Major Option

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### Biology Option Core Requirements

- BIOL 231  Research Methods I  
- BIOL 290  Evolution  
- BIOL 305  BioStatistics  
- BIOL 307  Ecology  
- BIOL 360  Genetics

Select 2 credit hours of one of the following:

- BIOL 421  Seminar in Biology
- BIOL 431  Research Methods II
- BIOL 482  Seminar in Molecular Biology

### Biology Option Required Electives

#### Field electives

Select 3 credit hours of the following:

- 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:

- BIOL 211  Human Microbiology  
- BIOL 215  Human Physiology  
- BIOL 225  Anatomy and Physiology  
- BIOL 226  Anatomy and Physiology  
- BIOL 309  Cellular 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 452  Techniques in Molecular Biology  
- BIOL 465  Physiology

### Biology Option Supporting Course Requirements

- MATH 103  Plane Trigonometry

Select one of the following:

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

Total Credit Hours 35-40

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.