# 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))

Including:

- 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))

Including:

- 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))

Needed 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

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 Elementary Organic Chemistry
- BIOL 250L and Elementary Organic Chemistry Lab

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References:

1. [MATH 102](http://catalog.unk.edu/undergraduate/general-studies/general-studies-courses)
2. [CHEM 250 & 250L](http://catalog.unk.edu/undergraduate/general-studies/general-studies-courses/chemistry)
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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.