BIOLOGY, BACHELOR OF SCIENCE

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

<table>
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<tr>
<th>Code</th>
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<th>Credit Hours</th>
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**General Studies Program**

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

- Foundational Core courses (http://catalog.unk.edu/undergraduate/general-studies/general-studies-courses)
- Including:
  - MATH 102 College Algebra 1

**Portal**

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

**Distribution**

- ENG 101 Introduction of Academic Writing 3

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- If ENG 101 is not taken as a prerequisite for ENG 102 then additional hours may be required to meet the 27 credit hour minimum in the Distribution Area of General Studies.
- Aesthetics (http://catalog.unk.edu/undergraduate/general-studies/general-studies-courses/aesthetics) 3
- Humanities (http://catalog.unk.edu/undergraduate/general-studies/general-studies-courses/humanities) 6
- Social Sciences (http://catalog.unk.edu/undergraduate/general-studies/general-studies-courses/social-sciences) 6
- Natural Sciences (http://catalog.unk.edu/undergraduate/general-studies/general-studies-courses/natural-sciences) 11

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- 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)

- Wellness (http://catalog.unk.edu/undergraduate/general-studies/general-studies-courses/wellness) 0

**Capstone**

- Select one course numbered 388 (http://catalog.unk.edu/undergraduate/general-studies/general-studies-courses/capstone-course) 3

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**BS Science-related course requirements**

- CHEM 160 General Chemistry 3
- CHEM 160L General Chemistry Laboratory 1
- CHEM 161 General Chemistry 3
- CHEM 161L General Chemistry Laboratory 1

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**Major Option**

- Complete all required courses 35

**Minor or 2nd Major**

- Complete all required courses 2 24

**Unrestricted electives**

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**Total Credit Hours** 120

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

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**Major Option**

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**Biology Option Core Requirements**

- BIOL 231 Research Methods I 3
- BIOL 290 Evolution 3
- BIOL 305 BioStatistics 3
- BIOL 307 Ecology 3
- BIOL 360 Genetics 4

- Select 2 credit hours of the following:
  - BIOL 421 Undergraduate Seminar in Biology 2
  - BIOL 431 Research Methods II (It is MANDATORY for Majors electing the option of BIOL 431 to take a minimum of 2 credit hours for completion of their program of study.)

- BIOL 482 Seminar in Molecular Biology

**Biology Option Required Electives**

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**Field electives**

- Select 3 credit hours of the following:
  - BIOL 330 Wildlife Conservation 3
  - 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 & 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**

- MATH 103 Plane Trigonometry 3

- Select one of the following:
  - CHEM 250 Elementary Organic Chemistry
  - CHEM 250L and Elementary Organic Chemistry Lab
or

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<tr>
<td>CHEM 360</td>
<td>Organic Chemistry</td>
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<tr>
<td>&amp; 360L</td>
<td>and Organic Chemistry Laboratory</td>
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<tr>
<td>&amp; CHEM 361</td>
<td>and Organic Chemistry</td>
</tr>
<tr>
<td>&amp; CHEM 361L</td>
<td>and Organic Chemistry Laboratory</td>
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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.