

BIOLOGY, BACHELOR OF SCIENCE

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

Code	Title	Credit Hours
General Studies Program		
<i>Foundational Requirements (LOPERs 1-4)</i>		12
Including:		
LOPER 4: Mathematics, Statistics, and Quantitative Reasoning		
MATH 103	Plane Trigonometry ¹	
<i>Broad Knowledge Requirements (LOPERs 5-8)</i>		13
Including:		
LOPER 8: Natural Science		
BIOL 105	Biology I	
Dispositional Requirements: (LOPERs 9-10) ²		6
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 ³		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

Code	Title	Credit Hours
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:		2
BIOL 421	Seminar in Biology	
OR		
BIOL 431A	Research Methods IIA	
AND		
BIOL 431B	Research Methods IIB	

Biology Option Required Electives ⁴

<i>Field electives</i>		
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	

<i>Laboratory electives</i>		
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	
or		
CHEM 360 & 360L & CHEM 361 & CHEM 361L	Organic Chemistry and Organic Chemistry Laboratory and 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.

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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