BIOLOGY, BS

Code	Title	Credits
Core Requirements		
BIOL 200	Introduction to Cellular Biology	3
BIOL 200L	Introduction to Cellular Biology Lab	1
BIOL 201	Introduction to Biodiversity & Evolution	3
BIOL 201L	Introduction to Biodiversity & Evolution Lab	1
BIOL 287	Sophomore Biology Seminar	1
BIOL 321	Genetics	3
BIOL 321L	Genetics Lab	1
BIOL 487	Senior Biology Seminar	1
CHEM 231	General Chemistry I	3
CHEM 231L	General Chemistry I Lab	1
CHEM 232	General Chemistry II	3
CHEM 232L	General Chemistry II Lab	2
Select **one** statistics course plus lab:		4
MATH 200	Introduction to Statistics	
MATH 201	Statistical Software	
PSYC 200	Statistics for the Behavioral Sciences	
PSYC 200L	Statistics for the Behavioral Sciences Lab	
Select either the following Physics or Geology courses:		8
ENVS 101	Physical Geology	
ENVS 101L	Physical Geology Lab	
ENVS 102	Historical Geology	
ENVS 102L	Historical Geology Lab	
PHYS 141	College Physics I	
PHYS 141L	College Physics I Lab	
PHYS 142	College Physics II	
PHYS 142L	College Physics II Lab	
Restricted Electives		
Plant Block		
Select **one** course with lab:		4
BIOL 302	Botany	
BIOL 302L	Botany Lab	
BIOL 338	Plant Diversity	
BIOL 338L	Plant Diversity Lab	
Organismal Block		
Select **one** course with lab:		4-5
BIOL 303	Microbiology	
BIOL 303L	Microbiology Lab	
BIOL 309	Invertebrate Zoology	
BIOL 309L	Invertebrate Zoology Laboratory	
BIOL 310	Natural History of Vertebrates	
BIOL 310L	Natural History of Vertebrates Lab	
BIOL 403	Ornithology	
BIOL 403L	Ornithology Laboratory	
Ecology/Field Block		
Select **one** course with lab:		4
BIOL 311	Ecology	
BIOL 311L	Ecology Lab	
BIOL 326	Animal Behavior	
BIOL 326L	Animal Behavior Lab	
BIOL 405	Insect Ecology & Diversity	
BIOL 405L	Insect Ecology & Diversity Lab	
ENVS 401	Wetland Ecology	
ENVS 401L	Wetland Ecology Lab	
ENVS 406L	Limnology Lab	
Cellular/Molecular Block		
Select **one** of the following:		3-4
BIOL 333	Histology	
BIOL 377	Principles of Nutrition	
BIOL 425	Advanced Cell Biology	
BIOL 461	Immunology	
BIOL 471	Virology	
CHEM 373	Biochemistry [1]	
CHEM 373L	Biochemistry Lab	
Emphasis Areas		**13-15**
	Medical and Health Sciences (p. 1)	
	Ecology/Wildlife Biology (p. 1)	
	General Biology (p. 2)	
Total Credits		**63-67**

[1]

If taking CHEM 373 Biochemistry (3 cr.), 1 credit lab is recommended.

Medical and Health Sciences Emphasis

Code	Title	Credits
BIOL 104	Medical Terminology	1
BIOL 305	Human Anatomy & Physiology I	3
BIOL 305L	Human Anatomy & Physiology I Lab	1
BIOL 306	Human Anatomy & Physiology II	3
BIOL 306L	Human Anatomy & Physiology II Lab	1
Select **two** courses not already used as restricted electives:		6
BIOL 303	Microbiology	
BIOL 303L	Microbiology Lab	
BIOL 333	Histology	
BIOL 337	Natural Medicines & Clinical Trials	
BIOL 377	Principles of Nutrition	
BIOL 401	Evolution	
BIOL 401L	Evolution Lab	
BIOL 461	Immunology	
BIOL 471	Virology	
CHEM 373	Biochemistry	
CHEM 373L	Biochemistry Lab	
Total Credits		**15**

Ecology/Wildlife Biology Emphasis

Code	Title	Credits
ENVS 107	Introduction to ArcGIS	2
Select **three** courses not already used as restricted electives:		11
BIOL 302	Botany	
BIOL 302L	Botany Lab	
BIOL 309	Invertebrate Zoology	

BIOL 309L	Invertebrate Zoology Laboratory
BIOL 310	Natural History of Vertebrates
BIOL 310L	Natural History of Vertebrates Lab
BIOL 311	Ecology
BIOL 311L	Ecology Lab
BIOL 326	Animal Behavior
BIOL 326L	Animal Behavior Lab
BIOL 338	Plant Diversity
BIOL 338L	Plant Diversity Lab
BIOL 401	Evolution
BIOL 401L	Evolution Lab
ENVS 301	Basic Soil Science
ENVS 301L	Basic Soil Science Lab
ENVS 401	Wetland Ecology
ENVS 401L	Wetland Ecology Lab
ENVS 406	Limnology
ENVS 406L	Limnology Lab
Total Credits	**13**

General Biology Emphasis

Code	Title	Credits
BIOL 3XX	Courses from Restricted Electives Lists [2]	14
	Choose any four Biology Courses numbered 300 or greater, or other courses (CHEM, ENVS) listed in any of the restricted elective blocks, but not already used to satisfy the restricted elective requirements. At least two coures must include lab.	
Total Credits		**14**