

Wildlife Biology and Ecology

Degree Type

Bachelor of Science

Objective:

To prepare students for entry level jobs in ecology, fisheries, wildlife, field, or conservation biology, or to prepare students with similar vocational goals for graduate school.

Administrator: Chair, Department of Biology

Requirements: 64 credits, including 46 in biology

Core requirements: 20 credits

Item #	Title	Credits
BIOL2220	General Biology I	3
BIOL2220L	General Biology I Laboratory	1
BIOL2230	General Biology II	3
BIOL2230L	General Biology II Laboratory	1
BIOL2970	Introduction to Research	1
BIOL3720	Genetics	3
BIOL3720L	Genetics Laboratory	1
BIOL3740	Origins	3
BIOL3940	Research Seminar I	1
BIOL3950	Research Seminar II	1
	BIOL3960 or BIOL3970	1
BIOL4980	Senior Seminar/Capstone	1

*[BIOL4980](#) must be taken at Northwest Nazarene University.

Ecology requirements: 10 credits**

Item #	Title	Credits
BIOL2240	Plant and Animal Ecology	3
BIOL3250	Tropical Ecology	3
BIOL4240	Field Ecology	3
BIOL4240L	Field Ecology Laboratory	1

Wildlife requirements: 16 credits

Required: 8 credits**

Item #	Title	Credits
BIOL3160	Plant Taxonomy	3
BIOL3160L	Plant Taxonomy Laboratory	1
BIOL4260	Conservation and Management of Wildlife Populations	3
BIOL4260L	Conservation and Management of Wildlife Populations Laboratory	1

Electives: 8 credits**

Item #	Title	Credits
BIOL3250L	Tropical Ecology Laboratory	1
BIOL3300	Herpetology	3
BIOL3300L	Herpetology Laboratory	1
BIOL3320	Ornithology	3
BIOL3320L	Ornithology Laboratory	1
BIOL3330	Mammalogy	3
BIOL3330L	Mammalogy Laboratory	1
BIOL3850	Animal Behavior	3
BIOL3850L	Animal Behavior Laboratory	1

Physical/Computer science and Mathematics requirements: 18 credits

Item #	Title	Credits
MATH2240	Elementary Statistics	3
	CHEM1200, CHEM2210, or CHEM2220	3
	CHEM1200L, CHEM2210L, or CHEM2220L	1
	CHEM1210, CHEM3210, or BIOL4410	3
	CHEM1210L, CHEM3210L, or BIOL4410L	1
COMP3230	Introduction to Spatial Analysis	3
BIOL1030	Earth Science	3
BIOL1030L	Earth Science Laboratory	1

***COMP3230:** Au Sable or other off-campus courses may be substituted with department approval.*

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Students planning on attending graduate school are responsible for ensuring that graduate school entrance requirements have been met. It is recommended that students carefully review the admission requirements of the program to which they intend to seek admission to before selecting these courses. Additional recommended classes include General Microbiology, Environmental Science, and additional math.

Total Credits	64
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