

ECOLOGY MINOR

The Ecology minor will provide you with a broad understanding of the fundamental ecological processes that shape the diversity, distribution, and abundance of organisms across the planet. Through a combination of classroom learning, fieldwork, and laboratory experiments, this minor will provide you with the practical and quantitative skills to collect, analyze, and interpret ecological data. The minor emphasizes critical thinking, problem solving, and communication skills that will prepare you well for a diversity of career paths, including environmental science, natural resource management, and conservation. Not open to Biology majors.

Code	Title	Credits
BI-140	Introduction to Organismal Biology	4
BI-202	Principles of Ecology	4
MA-150	Statistics I	3
or MA-302	Probability and Statistics	
GS-165	Geographic Information Systems I	4
or CS-135	Programming for Non-CS Majors	
Minor Electives		
Select 2 of the following:		(8 credits)
BI-301	Topics in Invertebrate Zoology	8
or BI-304	Comparative Vertebrate Anatomy	
or BI-331	Marine Biology	
or BI-333	Topics in Vertebrate Zoology	
or BI-334	Wildlife Biology	
or BI-340	Plant Sciences	
or BI-360	Animal Behavior	
or BI-380	Biodiversity and Conservation Biology	
Total Credits		23

1. Identify and describe the mechanisms that influence the structure and function of ecological systems
2. Critically evaluate the primary literature in ecology
3. Analyze complex ecological data-sets