

Ecology and Conservation Emphasis

BIOLOGY Major

Code	Title	Credits
Supporting Courses		25-29
BIOLOGY 201 & BIOLOGY 202	Principles of Biology: Cellular and Molecular Processes and Principles of Biology Lab: Cellular and Molecular Processes	
BIOLOGY 203 & BIOLOGY 204	Principles of Biology: Organisms, Ecology, and Evolution and Principles of Biology Lab: Organisms, Ecology, and Evolution	
CHEM 211 & CHEM 213	Principles of Chemistry I and Principles of Chemistry I Laboratory	
CHEM 212 & CHEM 214	Principles of Chemistry II and Principles of Chemistry II Laboratory	
MATH 260	Introductory Statistics	
Mathematics (choose one course):		
COMP SCI 256	Introduction to Software Design	
MATH 104	Precalculus	
MATH 202	Calculus and Analytic Geometry I	
Writing (choose one course): ¹		
ENG COMP 105	English Composition II: Composition and Rhetoric	
INFO SCI 390	Technical Writing	
Upper Level Courses		30-33
Required Courses		
BIOLOGY 303	Genetics	
BIOLOGY 309	Evolutionary Biology	
ENV SCI 302	Principles of Ecology	
ENV SCI 469	Conservation Biology	
BIOLOGY 307 & BIOLOGY 308	Cell Biology and Cell Biology Laboratory	
or BIOLOGY 302	Principles of Microbiology	
or BIOLOGY 322	Environmental Microbiology	
BIOLOGY 311 or BIOLOGY 346	Plant Physiology Comparative Physiology	
Choose a minimum of 8 credits from the following courses:		
BIOLOGY 310	Plant Biodiversity	
BIOLOGY 311	Plant Physiology	
BIOLOGY 312	Mycology	
BIOLOGY 320	Field Botany	
BIOLOGY 322	Environmental Microbiology	
BIOLOGY 342	Ornithology	
BIOLOGY 343	Mammalogy	
BIOLOGY 355	Entomology	
ENV SCI 401	Stream Ecology	
BIOLOGY 357	Marine Biology	
BIOLOGY 401	Fish and Wildlife Population Dynamics	
ENV SCI 337	Environmental GIS	
ENV SCI 403	Limnology	
ENV SCI 467	Capstone in Environmental Science	
BIOLOGY 449	Wetland Ecology	
ENV SCI 499	Travel Course	
Seminar, 1 credit required		

BIOLOGY 490

Biology Seminar

Total Credits

55-62

¹ Satisfied with an ACT English score of 32 or higher