

# Ecology and Conservation Emphasis

## BIOLOGY Major

Code	Title	Credits
<b>Supporting Courses</b>		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	
<b>Mathematics (choose one course):</b>		
COMP SCI 256	Introduction to Software Design	
MATH 104	Precalculus	
MATH 202	Calculus and Analytic Geometry I	
<b>Writing (choose one course):</b> <sup>1</sup>		
ENG COMP 105	English Composition II: Composition and Rhetoric	
INFO SCI 390	Technical Writing	
<b>Upper Level Courses</b>		30-33
<b>Required Courses</b>		
BIOLOGY 303	Genetics	
BIOLOGY 309	Evolutionary Biology	
ENV SCI 302	Principles of Ecology	
ENV SCI 469	Conservation Biology	
BIOLOGY 307 & BIOLOGY 308 or BIOLOGY 302	Cell Biology and Cell Biology Laboratory Principles of Microbiology	
BIOLOGY 311 or BIOLOGY 346	Plant Physiology Comparative Physiology	
<b>Choose 8-12 credits from the following courses:</b>		
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	
ENV SCI 467	Capstone in Environmental Science	
ENV SCI 499	Travel Course	
<b>Seminar, 1 credit required</b>		
BIOLOGY 490	Biology Seminar	
Total Credits		55-62

<sup>1</sup> Satisfied with an ACT English score of 32 or higher