

ECOLOGY AND CONSERVATION BIOLOGY - MINOR

The minor in Ecology and Conservation Biology is offered as a supplement to other related majors. By completing the minor, students will gain a foundation in the complex interactions of the Earth's biodiversity and ecosystems. These basic principles may be applied to biodiversity conservation, assessment of environmental health, and the management of complex systems involving aspects of ecology ranging from genes to ecosystems and their interactions with landscape, hydrology, and climate.

Program Requirement

Code	Title	Semester Credit Hours
ECCB 205	Fundamentals of Ecology	3
Ecology core concepts		
Select from the following:		3
ECCB 303	Fire Ecology and Biogeochemistry	
ECCB 307	Forest Protection	
ECCB 309	Forest Ecology	
ECCB 310	Forest Tree Physiology and Breeding	
ECCB 320	Ecosystem Restoration and Management	
ECCB 403	Population and Community Ecology	
ECCB 422	Behavioral Ecology	
ECCB 448	Fish Ecophysiology	
RWFM 404	Aquatic Ecosystems	
RWFM 447	Aquatic Animal Nutrition, Diet Formulation and Feeding	
Ecology practice		
Select from the following:		3
ECCB 215	Fundamentals of Ecology--Laboratory	
ECCB 300/ ENTO 300	Field Studies ¹	
ECCB 314	Down River: Biology of Gulf Coastal Fishes	
ECCB 316	Field Herpetology	
ECCB 324	Forest Measurements	
ECCB 351	Geographic Information Systems for Resource Management	
ECCB 407	Programming for Spatial Data Applications	
ECCB 417	Prescribed Fire	
ECCB 444	Remote Sensing of the Environment	
ECCB 446	Drones for Environmental Remote Sensing	
ECCB 450/ ENTO 450	Caribbean Conservation ¹	

ECCB 451/ ENTO 451	Caribbean Research Seminar ¹	
ECCB 462	Amazon River Tropical Biology	
ECCB 485	Directed Studies	
ECCB 491	Research	
RWFM 400/Study Abroad in Natural Resources ECCB 452		
RWFM 410	Principles of Fisheries Techniques and Management	
Human-environment interactions		
Select from the following:		3
ECCB 304	Conservation Biology	
ECCB 308	Fundamentals of Environmental Decision-Making	
ECCB 319	Principles of Forestry	
ECCB 420	Ecological Restoration of Wetland and Riparian Systems	
RWFM 411	Ecosystem Management	
RWFM 444	Aquaculture Hatchery Management	
RWFM 470	Environmental Impact Assessment	
Biodiversity		
Select from the following:		3
ECCB 203	Forest Trees of North America	
ECCB 301	Diversity and Evolution of Plants	
ECCB 302	Diversity and Evolution of Vertebrates	
ECCB 312	Diversity, Evolution, and Ecology of Grasses	
ECCB 313	Diversity and Evolution of Invertebrates	
ECCB 400	Molecular Ecology	
RWFM 302	Wildland Plants of North America	
Total Semester Credit Hours		15

¹ ECCB 300/ENTO 300, ECCB 450/ENTO 450, and ECCB 451/ENTO 451 require concurrent enrollment.