

BIODIVERSITY AND CONSERVATION BIOLOGY (MS)

The M.S. in Biodiversity and Conservation Biology is a non-thesis, coursework-based (Plan B) Master's degree for students preparing for careers in biodiversity management, conservation, and environmental education who want graduate-level training in the subject without the extensive research of a thesis-plan Master's degree.

Requirements

The M.S. requires a minimum of 30 credits, comprising at least 14 credits of core course work, at least six credits of related area courses, at least four credits of research, and one to nine credits of internship.

Course	Title	Credits
Core Courses		
Select at least 14 credits of the following:		14
EEB 5301	Population and Community Ecology	
EEB 5310	Conservation Biology	
EEB 5369	Current Topics in Biodiversity	
EEB 5370	Current Topics in Conservation Biology	
EEB 5348	Population Genetics	
or EEB 5449	Evolution	
EEB 5347	Principles and Methods of Systematic Biology ¹	
Related Areas		
Complete one course from any two of the following related areas:		6
Environmental Policy, Ethics, and Management (p. 1)		
Environmental Economics (p. 1)		
Environmental Analysis (p. 1)		
Research and Internship		
Compete at least four credits of research and one to nine credits of internship:		10
EEB 5899	Independent Study	
EEB 5891	Internship in Ecology, Conservation, or Evolutionary Biology ³	
Total Credits		30

¹ Or one Taxonomic Diversity Course (p. 1)

² Advisory committees may approve alternative courses within these three related areas.

³ Possibly in conjunction with sessions of EEB 5881 Internship in Ecology, Conservation, or Evolutionary Biology.

Taxonomic Diversity Courses

Course	Title	Credits
EEB 3266	Field Herpetology	3
EEB 4250	General Entomology	4
EEB 4252		3
EEB 4260 & EEB 4261	Ornithology and Ornithology Laboratory	4

EEB 4272	The Summer Flora	3
EEB 4274	Introduction to Animal Parasitology	4
EEB 4275	Invertebrate Zoology	4
EEB 5200	Biology of Fishes	4
EEB 5204		4
EEB 5220	Evolution of Green Plants	4
EEB 5240	Biology of Bryophytes and Lichens	4
EEB 5250	Biology of the Algae	4
EEB 5254	Mammalogy	4
EEB 5265	Herpetology	4
EEB 5271	Systematic Botany	4
Total Credits		57

Environmental Policy, Ethics, and Management

Course	Title	Credits
ARE 2434E	Environmental and Resource Policy	3
EVST/POLS 3412	Global Environmental Politics	3
GEOG 4210	Urban and Regional Planning	3
NRE 3245E	Environmental Law	3
NRE 4255	Water Quality Management	3
NRE 4165		3
NRE 4335	Fisheries Management	3
NRE 5200	Sustainable Natural Resources Management	3
PHIL 3216E	Environmental Ethics	3
SOCI 2707	Energy, Environment, and Society	3

Environmental Economics

Course	Title	Credits
ARE 4438E	Valuing the Environment	3
ARE 4462E	Environmental and Resource Economics	3
ARE 5464	Benefit-Cost Analysis and Resource Management	3

Environmental Analysis

Course	Title	Credits
GEOG 3505	Remote Sensing of Marine Geography	3
GEOG 5500	Fundamentals of Geographic Information Science	3
GEOG 5510	Applications of Geographic Information Systems	3
NRE 3535	Remote Sensing of the Environment	3
NRE 4535	Remote Sensing Image Processing	3
NRE 4665	Natural Resources Modeling	3
NRE 5205	Decision Methods in Natural Resources	3
NRE 5215	Introduction to Geospatial Analysis with Remote Sensing	3
NRE 5575		4
NRE 5585	Python Scripting for Geospatial Analysis	3

Accelerated Biodiversity and Conservation Biology BS/MS

For students with a B.S. in Ecology and Evolutionary Biology (EEB) from the University of Connecticut, the M.S. in Biodiversity and Conservation Biology is designed as an accelerated (fifth-year) M.S. degree; such students can apply 12 credits of graduate coursework required for the M.S. towards the B.S. as well. Students who have completed a B.S. in another program must complete course requirements equivalent to the undergraduate EEB major to earn this M.S. degree.