

ENVIRONMENTAL SCIENCE, MS

Campus: Westchester

This 33-35 credit program in Environmental Science, including its required thesis, can be completed on either a full-time or part-time basis, with most classes held in the afternoon or evening to accommodate working professionals. Curriculum specialization can be designed in various areas, including toxicology, aquatic ecology, conservation biology, geographical information, and surveillance systems.

Scholarship opportunities and/or competitive graduate assistantships are available for certain candidates.

Prerequisites

Admission requirements include the following undergraduate course: one year of General Chemistry, one semester of Organic Chemistry, and one year of General Biology. College-level Physics and Calculus are recommended but not required.

Code	Title	Credits
Required Core Courses		
ENS 610	Environmental Science I	3
ENS 611	Environmental Science II	3
ENS 622	Quantitative Methods in Environmental Science	4
ENS 624	Environmental Policy and Politics	3
ENS 772	Thesis Preparation ¹	1
ENS 790	Environmental Science Seminar	1
ENS 792	Research in Environmental Science I ²	3
Required Elective Courses		
Select 15-17 credits of the following: ³		15-17
ENS 501	Environmental Assessment and Environmental Impact Statement (EIS) Preparation	
ENS 505	Conservation Biology	
ENS 506	Wildlife Ecology	
ENS 511	Plant Ecology and Conservation	
ENS 531	Biological Oceanography and Marine Biology	
ENS 625	Environmental Science Communication	
ENS 629	Topics in Marine Pollution	
ENS 630	Environmental Microbiology	
ENS 650	Environmental Law	
ENS 651	Research Methods for Ecological Field Studies	
ENS 696D	Graduate Ecology	
ENS 731	Field Botany and Vegetation Analysis	
ENS 740	Environmental Toxicology and Pathology	
ENS 760	Waste Management, Site Remediation and Land Reuse	
ENS 780	Remote Sensing and Geographic Information Systems	
ENS 793	Research in Environmental Science II	
ENS 798	Special Topics in Environmental Science	
Total Credits		33-35

¹ One-on-one courses relating to thesis research. A tutorial taken during the first year of the program, student and mentor together will explore preliminary questions relating to thesis research. When ready to fully embark on thesis research, the student then takes ENS 792 Research in Environmental Science I which is conducted under the supervision of the student's approved thesis advisor.

² One-on-one courses relating to thesis research.

³ For other MCA electives that may be available, student should consult program director for details and required approvals.

Thesis Completion:

Note: ENS 793 Research in Environmental Science II (one-on-one course conducted under supervision of the thesis Advisor and essentially a continuation of ENS 792 Research in Environmental Science I) is available to a student who requires additional time to complete the required thesis.

Note, too, that any student who has completed all coursework (core and elective) and is solely working on the required thesis must register for Maintenance of Matriculation each semester until graduation.