

Marine and Environmental Sciences, MS

Please see PhD Marine and Environmental Sciences (<http://catalog.northeastern.edu/graduate/science/marine-environmental-sciences/marine-environmental-sciences-phd/>) for further information about this program. No students will be admitted directly into this program to pursue a master's degree.

Program Requirements

Complete all courses and requirements listed below unless otherwise indicated.

Core Requirements

Code	Title	Hours
All students must complete 30 SH; 20 SH must be graded coursework.		
Statistics		
Complete one of the following:		4
ENVR 6500	Biostatistics	
ENVR 6501	Lab for ENVR 6500	
An alternative statistics course may be completed upon approval by the graduate committee.		
Research		
Complete the following (repeatable) course twice:		8
EEMB 8984	Research	

Concentrations

Complete one of the following concentrations:

- Ecology and Evolutionary Biology (p. 1)
- Geosciences (p. 1)
- Marine Sciences (p. 1)
- Sustainability Sciences (p. 1)

ECOLOGY AND EVOLUTIONARY BIOLOGY

Code	Title	Hours
Seminars		
EEMB 7102	Seminar in Ecology and Evolutionary Biology	2
Complete one of the following:		2
EEMB 7101	Seminar in Marine Sciences	
EEMB 7103	Seminar in Sustainability Sciences	
EEMB 7104	Seminar in Geosciences	
Readings		
EEMB 8102	Readings in Ecology and Evolutionary Biology	2
Concentration-Specific Electives		
Complete 12 semester hours from the following:		12
ENVR 5210	Environmental Planning	
ENVR 5242 and ENVR 5243	Ancient Marine Life and Lab for ENVR 5242	
ENVR 5260	Geographical Information Systems	
EEMB 5130 and EEMB 5131	Population Dynamics and Lab for EEMB 5130	
EEMB 5504	Biology of Corals	
EEMB 5506	Biology and Ecology of Fishes	

EEMB 5508	Marine Birds and Mammals
EEMB 5516 and EEMB 5517	Oceanography and Lab for EEMB 5516
EEMB 5520	Tropical Marine Ecology
Substitutions may be made with approval of graduate committee.	

SUSTAINABILITY SCIENCES (P.)

Code	Title	Hours
EEMB 7103	Seminar in Sustainability Sciences	2
Complete one of the following:		2
EEMB 7101	Seminar in Marine Sciences	
EEMB 7102	Seminar in Ecology and Evolutionary Biology	
EEMB 7104	Seminar in Geosciences	
Complete 3 SH of coursework in statistics. The following list includes potential courses:		3
ENVR 6500	Biostatistics	
EEMB 5522	Experimental Design Marine Ecology	

GEOSCIENCES

Code	Title	Hours
EEMB 7104	Seminar in Geosciences	2
Complete one of the following:		2
EEMB 7101	Seminar in Marine Sciences	
EEMB 7102	Seminar in Ecology and Evolutionary Biology	
EEMB 7103	Seminar in Sustainability Sciences	
Complete 3 SH of coursework in statistics. The following list includes potential courses:		3
ENVR 6500	Biostatistics	
EEMB 5522	Experimental Design Marine Ecology	

MARINE SCIENCES

Code	Title	Hours
EEMB 7101	Seminar in Marine Sciences	2
Complete one of the following:		2
EEMB 7102	Seminar in Ecology and Evolutionary Biology	
EEMB 7103	Seminar in Sustainability Sciences	
EEMB 7104	Seminar in Geosciences	
Complete 3 SH of coursework in statistics. The following list includes potential courses:		3
EEMB 5522	Experimental Design Marine Ecology	
ENVR 6500	Biostatistics	

Program Credit/GPA Requirements

30 total semester hours required
Minimum 3.000 GPA required