

# MARINE BIOLOGY AND COASTAL SCIENCES (M.S.)

Submit the completed Thesis original and one copy to the Graduate Office. See Thesis Guidelines for details.

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**Total Credits** **32**

<sup>1</sup> Students in the combined program complete this course as part of the undergraduate degree program.

## Program Requirements

Code	Title	Credits
<b>Required Courses</b>		
AQUA 551	Advanced Aquatic Biological Processes <sup>1</sup>	3
BIOL 570	Ecology <sup>1</sup>	3
EAES 505	Environmental Geoscience <sup>1</sup>	3
or EAES 526	Geochemistry	
EAES 533	Water Resource Management	3
or EAES 560	Environmental Law	
BIOL 592	Graduate Colloquium	1
or EAES 790	Colloquium in Environmental Management	
<b>Graduate Electives</b>		
Select 9 credits from the following:		9
BIOL 515	Population Genetics	
BIOL 520	Plant Physiology	
BIOL 529	Advanced Herpetology	
BIOL 532	Advanced Entomology	
BIOL 544	Advanced Comparative Animal Physiology	
BIOL 554	Microbial Physiology	
BIOL 571	Physiological Plant Ecology	
BIOL 572	Wetland Ecology	
BIOL 573	Shoreline Ecology	
BIOL 574	Behavioral Ecology	
BIOL 576	Biology of Extreme Habitats	
BIOL 579	Physiological Ecology of Animals	
BIOL 580	Evolutionary Mechanisms	
BIOL 586	Special Topics in Advanced Biology	
BIOL 588	Special Topics in Advanced Physiology	
BIOL 589	Special Topics in Advanced Ecology	
BIOL 593	Molecular Ecology	
BIOL 595	Conservation Biology: The Preservation of Biological Diversity	
EAES 510	Geographic Information Systems	
EAES 511	Fundamentals of Remote Sensing of the Environment	
EAES 527	Organic Geochemistry	
EAES 532	Applied Groundwater Modeling	
EAES 545	Paleoecology	
EAES 550	Advanced Marine Geology	
EAES 592	Pro Seminar	
<b>Culminating Activity</b>		
<i>Graduate Research</i>		
AQUA 599	Graduate Research in Aquatic and Coastal Sciences	4
<i>Graduate Thesis</i>		
AQUA 698	Master's Thesis	6