Marine Biology and Coastal Sciences (M.S.) (Combined B.S./M.S.)

Program Requirements
Three courses for 9 credits will be applied from the UG program.

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td>AQUA 551</td>
<td>Advanced Aquatic Biological Processes</td>
<td>3</td>
</tr>
<tr>
<td>BIOL 570</td>
<td>Ecology</td>
<td>3</td>
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<tr>
<td>EAES 505</td>
<td>Environmental Geoscience</td>
<td>3</td>
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<tr>
<td>or EAES 526</td>
<td>Geochemistry</td>
<td></td>
</tr>
<tr>
<td>EAES 533</td>
<td>Water Resource Management</td>
<td>3</td>
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<td>or EAES 560</td>
<td>Environmental Law</td>
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<tr>
<td>BIOL 592</td>
<td>Graduate Colloquium</td>
<td>1</td>
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<tr>
<td>or EAES 790</td>
<td>Colloquium in Environmental Management</td>
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Graduate Electives
Select 9 credits from the following:

- 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 Paleocology
- EAES 550 Advanced Marine Geology
- EAES 592 Pro Seminar

Culminating Activity
Graduate Research

AQUA 599 Graduate Research in Aquatic and Coastal Sciences 4

Graduate Thesis