MARINE BIOLOGY AND COASTAL SCIENCES (M.S.)

Program Requirements

Required Courses

<table>
<thead>
<tr>
<th>Course</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>
</tr>
<tr>
<td>EAES 505</td>
<td>Environmental Geoscience</td>
<td>3</td>
</tr>
<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>
</tr>
<tr>
<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:

<table>
<thead>
<tr>
<th>Course</th>
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<tbody>
<tr>
<td>BIOL 515</td>
<td>Population Genetics</td>
</tr>
<tr>
<td>BIOL 520</td>
<td>Plant Physiology</td>
</tr>
<tr>
<td>BIOL 529</td>
<td>Advanced Herpetology</td>
</tr>
<tr>
<td>BIOL 532</td>
<td>Advanced Entomology</td>
</tr>
<tr>
<td>BIOL 544</td>
<td>Advanced Comparative Animal Physiology</td>
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<td>BIOL 554</td>
<td>Microbial Physiology</td>
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<tr>
<td>BIOL 571</td>
<td>Physiological Plant Ecology</td>
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<tr>
<td>BIOL 572</td>
<td>Wetland Ecology</td>
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<tr>
<td>BIOL 573</td>
<td>Shoreline Ecology</td>
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<td>BIOL 574</td>
<td>Behavioral Ecology</td>
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<tr>
<td>BIOL 576</td>
<td>Biology of Extreme Habitats</td>
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<tr>
<td>BIOL 579</td>
<td>Physiological Ecology of Animals</td>
</tr>
<tr>
<td>BIOL 580</td>
<td>Evolutionary Mechanisms</td>
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<tr>
<td>BIOL 586</td>
<td>Selected Advanced Topics in Biology</td>
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<td>BIOL 588</td>
<td>Selected Advanced Topics in Physiology</td>
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<tr>
<td>BIOL 589</td>
<td>Selected Advanced Topics in Ecology</td>
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<tr>
<td>BIOL 593</td>
<td>Molecular Ecology</td>
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<tr>
<td>BIOL 595</td>
<td>Conservation Biology: The Preservation of Biological Diversity</td>
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<tr>
<td>EAES 503</td>
<td>Advanced Physical Geology</td>
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<tr>
<td>EAES 510</td>
<td>Geographic Information Systems</td>
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<tr>
<td>EAES 511</td>
<td>Fundamentals of Remote Sensing of the Environment</td>
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<tr>
<td>EAES 527</td>
<td>Organic Geoghemistry</td>
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<td>EAES 532</td>
<td>Applied Groundwater Modeling</td>
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<tr>
<td>EAES 545</td>
<td>Paleoeocology</td>
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<td>EAES 550</td>
<td>Advanced Marine Geology</td>
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<tr>
<td>EAES 592</td>
<td>Pro Seminar</td>
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Culminating Activity

Graduate Research

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<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td>AQUA 599</td>
<td>Graduate Research in Aquatic and Coastal Sciences</td>
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Graduate Thesis

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<tr>
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<th>Credits</th>
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<tbody>
<tr>
<td>AQUA 698</td>
<td>Master's Thesis</td>
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