This minor is designed for students interested in oceans and coastlines. The fundamental courses include topics in oceanography, physical oceanography, coastal morphology and process, marine geology, chemical oceanography, and marine ecology.

**Admissions & Policies**

**Policies**

Eight credits of coursework must be unique to the minor.

For policies governing all minors, see AP.5.3.4 Minors.

**Requirements**

**Minor Requirements**

Total credits: 18-22

Students should refer to the Admissions & Policies tab for specific policies related to this program.

Students must successfully complete 18-22 credits with a minimum GPA of 2.00.

**Core Requirements**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>GEOL 309</td>
<td>Introduction to Oceanography</td>
<td>3</td>
</tr>
<tr>
<td>CLIM 412</td>
<td>Physical Oceanography</td>
<td></td>
</tr>
<tr>
<td>GEOL 363 or EVPP 363</td>
<td>Coastal Morphology and Processes</td>
<td>6-7</td>
</tr>
<tr>
<td>GEOL 364</td>
<td>Marine Geology</td>
<td></td>
</tr>
<tr>
<td>GEOL 458 or CHEM 458</td>
<td>Chemical Oceanography</td>
<td></td>
</tr>
<tr>
<td>BIOL 449</td>
<td>Marine Ecology</td>
<td></td>
</tr>
<tr>
<td>BIOL 450 or EVPP 421</td>
<td>Marine Conservation</td>
<td></td>
</tr>
<tr>
<td>BIOL 454 &amp; BIOL 455 or EVPP 419 &amp; EVPP 420</td>
<td>Marine Mammal Biology and Conservation and Marine Mammal Biology and Conservation Field Course</td>
<td></td>
</tr>
<tr>
<td>BIOL 440</td>
<td>Field Biology (up to 4 credits of only marine or estuarine-oriented field courses)</td>
<td></td>
</tr>
<tr>
<td>EVPP 536</td>
<td>The Diversity of Fishes</td>
<td></td>
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<tr>
<td>EVPP 350</td>
<td>Freshwater Ecosystems</td>
<td></td>
</tr>
<tr>
<td>EVPP 419 &amp; EVPP 420</td>
<td>Marine Mammal Biology and Conservation and Marine Mammal Biology and Conservation Field Course</td>
<td></td>
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<tr>
<td>EVPP 581 &amp; EVPP 582</td>
<td>Estuarine and Coastal Ecology and Estuarine and Coastal Ecology Laboratory</td>
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<tr>
<td>INTS 495</td>
<td>Field-Based Work (up to 4 credits of only marine or estuarine-oriented field courses)</td>
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</tr>
</tbody>
</table>

Total Credits: 9-12

1. Courses taken to satisfy the core requirements above cannot be repeated to count towards the additional courses requirement.

2. If chosen, students must take both lecture and lab for a total of 4 credits.

**Notes**

RECR 161 Scuba Diving: Basic is strongly recommended, but is not required.