# Aquatic Biology Option

This option is offered within the following major(s):

- Environmental Sciences - College of Earth, Ocean, and Atmospheric Sciences ([http://catalog.oregonstate.edu/college-departments/earth-ocean-atmospheric-sciences/environmental-sciences-bs-hbs](http://catalog.oregonstate.edu/college-departments/earth-ocean-atmospheric-sciences/environmental-sciences-bs-hbs))

Also available via [Ecampus](http://ecampus.oregonstate.edu).

The Aquatic Biology option under the Environmental Sciences major offers students considerable depth in aquatic biology with course work possibilities that emphasize ecology in fresh, estuarine, and marine (saltwater) environments.

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
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</thead>
<tbody>
<tr>
<td></td>
<td><strong>Core Requirements</strong></td>
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<tr>
<td>BI 351</td>
<td>MARINE ECOLOGY</td>
<td>3</td>
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<tr>
<td>FW 456</td>
<td>FRESHWATER ECOLOGY AND CONSERVATION</td>
<td>5</td>
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<tr>
<td>FW 479</td>
<td>WETLANDS AND RIPARIAN ECOLOGY</td>
<td>3</td>
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<td><strong>Electives</strong></td>
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<td>Select 16 credits of the following:</td>
<td>16</td>
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### Aquatic Organisms

- BI 302/FW 302 BIOLOGY AND CONSERVATION OF MARINE MAMMALS
- BOT 416 AQUATIC BOTANY
- FW 301 FIELD TECHNIQUES FOR MARINE MAMMAL CONSERVATION
- FW 315 ICHTHYOLOGY
- MB 314 AQUATIC MICROBIOLOGY
- Z 361 INVERTEBRATE BIOLOGY
- & Z 362 and INVERTEBRATE BIOLOGY LABORATORY
  - or Z 461 MARINE AND ESTUARINE INVERTEBRATE ZOOLOGY
- Z 477 AQUATIC ENTOMOLOGY

### Freshwater Environmental Biology

- BI 421/FW 421 AQUATIC BIOLOGICAL INVASIONS
- FW 323 MANAGEMENT PRINCIPLES OF PACIFIC SALMON IN THE NORTHWEST
- FW 473 FISH ECOLOGY
- FW 497 *AQUACULTURE

### Marine Environmental Biology

- BI 373 *FIELD METHODS IN MARINE ECOLOGY
- BI 421/FW 421 AQUATIC BIOLOGICAL INVASIONS
- FW 331 ECOLOGY OF MARINE AND ESTUARINE BIRDS
- FW 301 FIELD TECHNIQUES FOR MARINE RESEARCH
- FW 426 COASTAL ECOLOGY AND RESOURCE MANAGEMENT
- FW 464 MARINE CONSERVATION BIOLOGY
- OC 334 *POLAR OCEANOGRAPHY
- OC 434/FW 434 ESTUARINE ECOLOGY
- OC 440 BIOLOGICAL OCEANOGRAPHY

Total Hours 27