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/)

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.

Option Code: 501

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>BI 351</td>
<td>MARINE ECOLOGY</td>
<td>3</td>
</tr>
<tr>
<td>FW 456</td>
<td>FRESHWATER ECOLOGY AND CONSERVATION</td>
<td>5</td>
</tr>
<tr>
<td>FW 479</td>
<td>WETLANDS AND RIPARIAN ECOLOGY</td>
<td>3</td>
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</table>

**Core Requirements**

**Electives**
Select 16 credits of the following: 16

Aquatic Organisms

- BOT 416 AQUATIC BOTANY
- FW 301 FIELD TECHNIQUES FOR MARINE MAMMAL CONSERVATION
- FW 302 BIOLOGY AND CONSERVATION OF MARINE MAMMALS
- 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

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

Marine Environmental Biology

- BI 373 *FIELD METHODS IN MARINE ECOLOGY
- FW 331 ECOLOGY OF MARINE AND ESTUARINE BIRDS
- FW 421 AQUATIC BIOLOGICAL INVASIONS
- FW 426 COASTAL ECOLOGY AND RESOURCE MANAGEMENT
- FW 464 MARINE CONSERVATION BIOLOGY
- FW 493 FIELD METHODS FOR MARINE RESEARCH
- OC 334 *POLAR OCEANOGRAPHY
- OC 434/FW 434 ESTUARINE ECOLOGY
- OC 440 BIOLOGICAL OCEANOGRAPHY

Total Credits 27

* Baccalaureate Core Course (BCC)
^ Writing Intensive Course (WIC)

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