

# 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

| Code                                    | Title  | Credits |
|---|--|---------|
| <b>Core Requirements</b>                |  |         |
| BI 351                                  | MARINE ECOLOGY   | 3       |
| FW 456                                  | FRESHWATER ECOLOGY AND CONSERVATION                      | 5       |
| FW 479                                  | WETLANDS AND RIPARIAN ECOLOGY                            | 3       |
| <b>Electives</b>                        |  |         |
| Select 16 credits of the following:     |  | 16      |
| <i>Aquatic Organisms</i>                |  |         |
| 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                                       |         |
| <i>Freshwater Environmental Biology</i> |  |         |
| FW 323                                  | MANAGEMENT PRINCIPLES OF PACIFIC SALMON IN THE NORTHWEST |         |
| FW 421                                  | AQUATIC BIOLOGICAL INVASIONS                             |         |
| FW 473                                  | FISH ECOLOGY   |         |
| FW 497                                  | *AQUACULTURE   |         |
| <i>Marine Environmental Biology</i>     |  |         |
| 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      |

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Baccalaureate Core Course (BCC)

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Writing Intensive Course (WIC)

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