FISH AND WILDLIFE CONSERVATION OPTION

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

- Natural Resources - College of Forestry (http://catalog.oregonstate.edu/college-departments/forestry/forest-ecosystems-society/natural-resources-bs-hbs/)

Also available at OSU-Cascades and via Ecampus.

This option prepares students for a career in the broad arena of natural resource and wildlife conservation. It emphasizes understanding the relationship between animal species and their habitat requirements and the ability to apply this knowledge to the management of ecosystems as a means of conserving fish and wildlife.

Option Code: 672

Minimum of 40 credits is required with at least 20 upper-division credits.

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>BI 373</td>
<td>*FIELD METHODS IN MARINE ECOLOGY</td>
<td>3-4</td>
</tr>
<tr>
<td>BI 375</td>
<td>FIELD METHODS IN ECOLOGICAL RESTORATION</td>
<td></td>
</tr>
<tr>
<td>FW 255</td>
<td>FIELD SAMPLING OF FISH AND WILDLIFE</td>
<td></td>
</tr>
<tr>
<td>FW 493</td>
<td>FIELD METHODS FOR MARINE RESEARCH</td>
<td></td>
</tr>
<tr>
<td>NR 325</td>
<td>SCIENTIFIC METHODS FOR ANALYZING NATURAL RESOURCE PROBLEMS</td>
<td></td>
</tr>
<tr>
<td>RNG 411</td>
<td>RANGELAND ANALYSIS</td>
<td></td>
</tr>
</tbody>
</table>

Measurements (3-4 credits)

Select one course from the following:

- BI 373 *FIELD METHODS IN MARINE ECOLOGY
- BI 375 FIELD METHODS IN ECOLOGICAL RESTORATION
- FW 255 FIELD SAMPLING OF FISH AND WILDLIFE
- FW 493 FIELD METHODS FOR MARINE RESEARCH
- NR 325 SCIENTIFIC METHODS FOR ANALYZING NATURAL RESOURCE PROBLEMS
- RNG 411 RANGELAND ANALYSIS

Foundations of Conservation (12-14 credits)

Select three courses from the following:

- FES 342 FOREST TYPES OF THE NORTHWEST 3
- or FOR 111 INTRODUCTION TO FORESTRY
- FES 440 WILDLAND FIRE ECOLOGY 3
- or FOR 346 TOPICS IN WILDLAND FIRE
- or FOR 436 WILDLAND FIRE SCIENCE AND MANAGEMENT
- FES 452/FW 452 BIODIVERSITY CONSERVATION IN MANAGED FORESTS 3
- or FW 370 CONSERVATION GENETICS
- FW 251 PRINCIPLES OF FISH AND WILDLIFE CONSERVATION 3

Fish and Wildlife Biology (9-12 credits)

Select three courses from the following:

- FW 302 BIOLOGY AND CONSERVATION OF MARINE MAMMALS
- FW 311 ORNITHOLOGY
- FW 315 ICHTHYOLOGY
- FW 317 MAMMALOLOGY
- FW 320 INTRODUCTORY POPULATION DYNAMICS
- FW 321 APPLIED COMMUNITY AND ECOSYSTEM ECOLOGY
- FW 331 ECOLOGY OF MARINE AND ESTUARINE BIRDS
- FW 473 FISH ECOLOGY
- FW 481 WILDLIFE ECOLOGY
- Z 423 ENVIRONMENTAL PHYSIOLOGY
- Z 473 HERPETOLOGY

Habitat Management (6-9 credits)

Select two courses from the following:

- FES 445/FW 445 ECOLOGICAL RESTORATION
- FW 426 INTEGRATED WATERSHED MANAGEMENT
- FW 428 COASTAL ECOLOGY AND RESOURCE MANAGEMENT
- FW 434/OC 434 ESTUARINE ECOLOGY
- FW 435 *WILDLIFE IN AGRICULTURAL ECOSYSTEMS
- FW 456 FRESHWATER ECOLOGY AND CONSERVATION

Also available at OSU-Cascades and via Ecampus.

This option prepares students for a career in the broad arena of natural resource and wildlife conservation. It emphasizes understanding the relationship between animal species and their habitat requirements and the ability to apply this knowledge to the management of ecosystems as a means of conserving fish and wildlife.

Option Code: 672