# Policy and Management 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 via Ecampus (http://ecampus.oregonstate.edu).

This option will prepare students for careers in the broad arena of natural resource and environmental conservation, with an emphasis on the social and political aspects of resource issues.

Minimum of 40 credits with 20 credits upper division required.

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<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
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<tbody>
<tr>
<td>FES 422</td>
<td>RESEARCH METHODS IN SOCIAL SCIENCE</td>
<td>4</td>
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<tr>
<td>PS 300</td>
<td>*RESEARCH METHODS</td>
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### Social Science Foundation

Select two courses from below

- PS 201  *INTRODUCTION TO UNITED STATES GOVERNMENT AND POLITICS
- SOC 204 *INTRODUCTION TO SOCIOLOGY
- AEC 250 *INTRODUCTION TO ENVIRONMENTAL ECONOMICS AND POLICY
- AEC 253 *ENVIRONMENTAL LAW, POLICY, AND ECONOMICS

### Social Sciences and Natural Resources

Select two courses from below

- AG 301  *ECOSYSTEM SCIENCE OF PACIFIC NW INDIANS
- ANTH 477 ECOCLOGICAL ANTHROPOLOGY
- FW 323  MANAGEMENT PRINCIPLES OF PACIFIC SALMON IN THE NORTHWEST
- FW 340  *MULTICULTURAL PERSPECTIVES IN NATURAL RESOURCES
- FW 470  *ECOLOGY AND HISTORY: LANDSCAPES OF THE COLUMBIA BASIN
- GEOG 240 *CLIMATE CHANGE, WATER AND SOCIETY
- GEOG 250 *LAND USE PLANNING FOR SUSTAINABLE COMMUNITIES
- GEOG 300 *SUSTAINABILITY FOR THE COMMON GOOD
- GEOG 350 *GEOGRAPHY OF NATURAL HAZARDS
- GEOG 430 RESILIENCE-BASED NATURAL RESOURCE MANAGEMENT
- GEOG 450 LAND USE IN THE AMERICAN WEST
  - or GEOG 451 PLANNING PRINCIPLES AND PRACTICES FOR RESILIENT COMMUNITIES
  - or GEOG 452 SUSTAINABLE SITE PLANNING
- NR 202  NATURAL RESOURCE PROBLEMS AND SOLUTIONS
- NR 312  CRITICAL THINKING FOR NATURAL RESOURCE CHALLENGES

### Natural Resource Policy

Select 12-13 credits from at least TWO departments

- AEC 351 *NATURAL RESOURCE ECONOMICS AND POLICY
- AEC 352 *ENVIRONMENTAL ECONOMICS AND POLICY
- OR ECON 352 ENVIRONMENTAL ECONOMICS AND POLICY
- AEC 353 *INTRODUCTION TO COASTAL AND MARINE RESOURCE ECONOMICS
- AEC 432 ENVIRONMENTAL LAW
- AEC 452 MARINE ECONOMICS
- AEC 453 CONSERVATION ON PRIVATE LAND
- FOR 431 ECONOMICS AND POLICY OF FOREST WILDLAND FIRE
- FOR 460 ^FOREST POLICY
- FOR 462 NATURAL RESOURCE POLICY AND LAW
- FW 350 *ENDANGERED SPECIES, SOCIETY AND SUSTAINABILITY
- FW 415 FISHERIES AND WILDLIFE LAW AND POLICY
- FW 422 INTRODUCTION TO OCEAN LAW
- PS 455 *THE POLITICS OF CLIMATE CHANGE
- PS 461 ENVIRONMENTAL POLITICAL THEORY
- PS 470 GLOBAL FOOD POLITICS AND POLICY
- PS 473 US ENERGY POLICY
- PS 475 ENVIRONMENTAL POLITICS AND POLICY
- PS 476 INTERNATIONAL ENVIRONMENTAL POLITICS AND POLICY
- PS 478 RENEWABLE ENERGY POLICY

### Natural Resource Management

Select 11 credits minimum from below

- BOT 440 FIELD METHODS IN PLANT ECOLOGY
- ENSC 479 **ENVIRONMENTAL CASE STUDIES
- FES 440 WILDLAND FIRE ECOLOGY
- FES 455 URBAN FOREST PLANNING, POLICY AND MANAGEMENT
  - or HORT 455 URBAN FOREST PLANNING, POLICY AND MANAGEMENT
- FES 445 ECOLOGICAL RESTORATION
  - or FW 445 ECOLOGICAL RESTORATION
- FOR 346 TOPICS IN WILDLAND FIRE
- FOR 436 WILDLAND FIRE SCIENCE AND MANAGEMENT
- FW 303 SURVEY OF GEOGRAPHIC INFORMATION SYSTEMS IN NATURAL RESOURCE
- FW 321 APPLIED COMMUNITY AND ECOSYSTEM ECOLOGY
- FW 325 *GLOBAL CRISIS IN RESOURCE ECOLOGY
- FW 326 INTEGRATED WATERSHED MANAGEMENT
- FW 435 ^WILDLIFE IN AGRICULTURAL ECOSYSTEMS
- FW 479 WETLANDS AND RIPARIAN ECOLOGY

* = course requires MATH 230 or permission of instructor
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<tr>
<td>GEOG 201</td>
<td>*FOUNDATIONS OF GEOSPATIAL SCIENCE AND GIS</td>
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<tr>
<td>GEOG 340</td>
<td>*INTRODUCTION TO WATER SCIENCE AND POLICY</td>
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<tr>
<td>GEOG 440</td>
<td>WATER RESOURCES MANAGEMENT IN THE UNITED STATES</td>
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<tr>
<td>GEOG 441</td>
<td>INTERNATIONAL WATER RESOURCES MANAGEMENT</td>
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<td>RNG 455</td>
<td>RIPARIAN ECOHYDROLOGY AND MANAGEMENT</td>
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<tr>
<td>RNG 490</td>
<td>RANGELAND MANAGEMENT PLANNING</td>
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<tr>
<td>TRAL 352</td>
<td>WILDERNESS MANAGEMENT</td>
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Total Hours 48-52

**Note:** Up to 6 credits of appropriate internships, projects or study abroad may be used to fulfill requirements in the Social Science & Natural Resource, Natural Resource Policy or Natural Resource Management blocks as approved by petition.

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

**Option Code:** 791