

**NATURAL RESOURCES B.S. DEGREE
Specialization Option Checklist:
 Ecological Restoration**

Date Prepared: By:

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| **Student Name** | **Student ID#** | **Current Institution/Campus/Major** |
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| COMMENTS: |

\*=Baccalaureate Core / ^ = WIC (Writing Intensive Course/ + = Core Ed (for students admitted in Summer 2025 onward)

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| **MEASUREMENTS (4 credits) CHOOSE ONE** | **Fulfilled by:** | **Note #** |
|  | Field Methods in Ecological Restoration (4) | BI 375 |  |  |
|  | Field Methods in Plant Ecology (4) | BOT 440 |  |  |
|  | Scientific Methods for Analyzing Natural Resource Problems (3) | NR 325 |  |  |
|  | Rangeland Analysis (4) | RNG 441 |  |  |
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|  | **RESOURCE ECONOMICS (3-4 credits) CHOOSE ONE** |  |  |
|  | Natural Resources Economics and Policy (3) | AEC 351\* |  |  |
|  | Environmental Economics and Policy (3) | AEC 352\* |  |  |
|  | Introduction to Coastal and Marine Resource Economics (3) | AEC 353\* |  |  |
|  | Forest Resource Economics I (4) | FOR 329 |  |  |
|  | Economics and Policy of Wildland Fire (3) | FOR 431 |  |  |
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|  | **ECOLOGICAL RESTORATION FOUNDATIONS (23 - 26 credits) REQUIRED** | **Fulfilled by:** | **Note #** |
|  | Plant Systematics (4) | BOT 321 |  |  |
|  ***OR*** Plant Ecology (4) | BOT 341 |
|  | General Chemistry (5) | CH 122\* |  |  |
|  ***OR*** General Chemistry (4) A***ND*** Lab for Chemistry (1) | CH 232\* &CH 262\* |
|  | Ecological Restoration (4) | FEW/FW 445 |  |  |
|  | Wetlands & Riparian Ecology (3) | FW 479 |  |  |
| **OR** Riparian Ecohydrology & Management (4) | RNG 455 |
|  | ~~Land Use in the American West (3~~) May sub GEOG 250 here | ~~GEOG 450~~  |  |  |
| ***OR*** Planning Principles for Resilient Communities (4) | GEOG 451 |
| ***OR*** Sustainable Site Planning (3) | GEOG 452 |
|  | Ecosystems of Wildland Soils (4) | SOIL 366 |  |  |
| ***OR*** Soils Systems and Plant Growth (3) | SOI 388 |
| ***OR*** Soil Morphology and Classification (4) | SOIL 466 |
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|  | **SOCIAL AND ETHICAL CONSIDERATIONS (3 - 4 credits) CHOOSE 1** | **Fulfilled by:** | **Note #** |
|  | Urban Forestry (3) | FES/HORT 350 |  |  |
|  | Economics and Policy of Forest Wildland Fire (3) | FOR 431 |  |  |
|  | Critical Thinking for Natural Resource Challenges (3) | NR 312 |  |  |
|  | Environmental Ethics (3) | PHL 440\* |  |  |
|  | World Views & Environmental Values (3) | PHL/REL 443\* |  |  |
|  | Environmental Sociology (4) | SOC 480\* |  |  |
|  | Society and Natural Resources (4) | SOC 481\* |  |  |
|  | Sustainability, Justice and Engagement (3) | SUS 331\* |  |  |
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|  | **ECOLOGICAL AND NATURAL RESOURCE ELECTIVES (CHOOSE TWO)**  | **Fulfilled by:** | **Note #** |
|  | Marine Ecology (3) | BI 351 |  |  |
|  | Environmental Physiology of Plants (3) | BOT 488 |  |  |
|  | Wildland Fire Ecology (3) | FES 440 |  |  |
| ***OR*** Wildland Fire Science and Management (4) | FOR 436 |
|  | Biodiversity Conservation in Managed Forests (3) | FES/FW 452 |  |  |
|  | Silviculture (4) | FOR 441 |  |  |
|  | Introductory Population Dynamics (4) | FW 320 |  |  |
|  | Coastal Ecology and Management (hybrid) (5) | FW 426 |  |  |
|  | Avian Conservation and Management (3) | FW 451 |  |  |
|  | Fishery Biology (4) | FW 454^ |  |  |
|  | Limnology (5) | FW 456 |  |  |
|  | Mammal Conservation and Management (4) | FW 458 |  |  |
|  | Fish Ecology (4) | FW 473 |  |  |
|  | Wildlife Ecology (4) | FW 481 |  |  |
|  | Rangeland Ecology and Management (3) | RNG 341 |  |  |
|  | Wildland Restoration and Ecology (4) | RNG 421 |  |  |
|  | Soil Landscape Analysis (4) | SOIL 468 |  |  |
|  | Biodiversity: Causes, Consequences and Conservation (3) | Z 349\* |  |  |
|  | Environmental Physiology (3) | Z 423 |  |  |
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|  | Note: Up to 6 credits of appropriate internships, projects or study abroad may be used to fulfill credit requirements in the “Social and Ethical Considerations” or “Ecological and NR Electives” as approved by petition. |

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| **A Specialization Option is required for the Natural Resources major. (Minimum of 37 credits with at least 20 of those being upper division credits.) Required Minimum GPA for the specialization is 2.25. This option is available on the Corvallis Campus and Ecampus.** |

Revised 3.2025 NR 3.0 for Natural Resources students admitted before Summer 2025