

**NATURAL RESOURCES B.S. DEGREE   
Specialization Option Checklist:  
Wildland Fire Ecology**

Date Prepared: By:

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

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

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | **WILDLAND FIRE ECOLOGY SPECIALIZATION REQUIREMENTS** | | | |
|  | **MEASUREMENTS (3-4 credits) CHOOSE ONE** | | **Fulfilled by:** | **Note #** |
|  | Field Methods in Plant Ecology (4) | BOT 440 |  |  |
|  | Field Sampling of Fish and Wildlife (3) | FW 255 |  |  |
|  | GIScience I: Geographic Information Systems and Theory (4) | GEOG 360 |  |  |
|  |  |  |  |  |
|  | **FOUNDATIONS IN WILDLAND FIRE (14 credits) REQUIRED** | | **Fulfilled by:** | **Note #** |
|  | Wildland Fire Ecology (3) | FES 440 |  |  |
|  | Ecological Restoration (4) | FES/FW 445 |  |  |
| ***OR*** Wildland Restoration and Ecology (4) | RNG 421 |
|  | Economics and Policy of Forest Wildland Fire (3) | FOR 431 |  |  |
|  | Wildland Fire Science and Management (4) | FOR 436 |  |  |
|  |  |  |  |  |
|  | **ECOLOGICAL AND NATURAL RESOURCE ELECTIVES ( Choose 20-21 credits)** | | **Fulfilled by:** | **Note #** |
|  | Plant Ecology (4) | BOT 341 |  |  |
|  | Flora of the Pacific Northwest (3) | BOT 425 |  |  |
|  | Weed Management (4) | CROP 440 |  |  |
|  | Forest Surveying (4) | FE 208 |  |  |
|  | Forest Watershed Management (4) | FE 434 |  |  |
|  | Forest Ecology (3) | FES 341 |  |  |
|  | Forest Types of the Northwest (3) | FES 342 |  |  |
|  | Forest Entomology (3) | FES 412 |  |  |
|  | Biodiversity Conservation in Managed Forests (3) | FES 452/FW 452 |  |  |
|  | Topics in Wildland Fire (3) | FOR 346 |  |  |
|  | Forest Pathology (3) | FOR 413 |  |  |
|  | ~~Economics and Policy of Wildland Fire (3)~~ | ~~FOR 431~~ |  |  |
|  | Silviculture Principles (4) | FOR 441 |  |  |
|  | Applied Community and Ecosystem Ecology (3) | FW 321 |  |  |
|  | Avian Conservation and Management | FW 451 |  |  |
|  | Freshwater Ecology (5) | FW 456 |  |  |
|  | Mammal Conservation and Management (4) | FW 458 |  |  |
|  | Wetlands and Riparian Ecology (3) | FW 479 |  |  |
|  | Wildlife Ecology (3) | FW 481 |  |  |
|  | Scientific Methods for Analyzing Natural Resources Problems (3) | NR 325 |  |  |
|  | Ecosystems of Wildland Soils (3) | SOIL 366 |  |  |
| ***OR*** Soil Systems and Plant Growth (4) | SOIL 388 |
| ***OR*** Soil Morphology and Classification | SOIL 466 |
|  |  |  |  |  |
|  | Note: Up to 6 credits of appropriate internships, projects or study abroad may be used to fulfill credit requirements in this option as approved by petition. | | | |
|  | **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.** | | | |

|  |  |
| --- | --- |
| **NOTE #** |  |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |

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