

**NATURAL RESOURCES B.S. DEGREE
Specialization Option Checklist:
 Natural Resource Education**

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 Summer 2025 onward)

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| **NATURAL RESOURCE EDUCATION SPECIALIZATION REQUIREMENTS** |
| **MEASUREMENTS (4 credits ) CHOOSE ONE** | **Fulfilled by:** | **Note #** |
|  | Forest As Classroom (4) | FES 430 |  |  |
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| **NATURAL RESOURCES BASE (10 Credits) REQUIRED** | **Fulfilled by:** | **Note #** |
|  | Introduction to Forestry (3) | FOR 111 |  |  |
|  ***OR*** Forest Types of the Pacific Northwest (3) | FES 342 |
|  | Principles of Fish & Wildlife Conservation (3) | FW 251 |  |  |
|  | Environmental Interpretation (4) | TRAL 493 |  |  |
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|  | **EDUCATION AND PROGRAM DEVELOPMENT (12 Credits) REQUIRED** | **Fulfilled by:** | **Note #** |
|  | Purpose, Structure and Function of Education in a Democracy (3) | ED 216\* |  |  |
| ***OR*** Social Justice, Civil Rights and Multiculturalism in Education (3) | ED 219\* |
|  | Learning Across the Lifespan (3) | ED 253 |  |  |
|  | ~~Technology for Educators (3)~~ | ~~ED 496~~ |  |  |
|  | Inquiry in Science and Science Education (3) | SED 413 |  |  |
|  | SUB FES 422 Research Methods for ED 496 which is no longer offered. | FES 422 |  |  |
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|  | **ELECTIVES (minimum 12 credits)** |
|  | Students may choose a minimum of 12 credits from either category below. Students may choose to focus on teaching in informal education settings or formal classroom instruction/licensure in K-12 schools or a combination of both tracks. Corvallis campus students may be interested in the Education Double Degree program at OSU. Students in the double degree program should work with their education advisor as well as their NR advisor to plan an appropriate plan of study to meet their goals. |
|  | ***Education Electives*** |
|  | Purpose, Structure & Function of Education in a Democracy (3) | ED 216\* |  |  |
| ***OR*** Social Justice, Civil Rights and Multiculturalism in Education (3) | ED 219\* |
|  | Practicum (variable credit requires – requires departmental approval) | ED 309 |  |  |
|  | Educational Psychology, Learning and Development (3) | ED 411 |  |  |
|  | Learning Styles and Needs in Adolescence (2) | ED 412 |  |  |
|  | Projects (Free choice learning for zoos, aquariums, parks, etc.) (variable credit)  | SED 406 |  |  |
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|  | ***Natural Resource Electives***  |  |  |  |
|  | Introduction to Marine Biology (3) | BI 150 |  |  |
|  | Human Impacts on Ecosystems | BOT 301\* |  |  |
|  | Oceans in Peril (3) | BI 347\* |  |  |
|  | ~~Human Ecology (3)~~ | ~~BI 348\*~~ |  |  |
|  | Biodiversity Conservation in Managed Forests (3) | FES 452/FW 452 |  |  |
|  | Biology and Conservation of Marine Mammals (3) | FW 302 |  |  |
|  | Food from the Sea (3) | FW 324\* |  |  |
|  | Coastal Ecology and Resource Management (HMSC) (5) | FW 426 |  |  |
|  | Avian Conservation and Management (3) | FW 451 |  |  |
|  | Mammal Conservation and Management (4) | FW 458 |  |  |
|  | Marine Conservation Biology (3) | FW 464 |  |  |
|  | Earth Systems Science (4) | GEO 202\* |  |  |
|  | Evolution of Planet Earth (4) | GEO 203\* |  |  |
|  | National Park Geology and Preservation (3) | GEO 307\* |  |  |
|  | Foundation of Adventure Leadership | LEAD 430 |  |  |
|  | Nature in Storytelling over the Centuries (3) | NR 380 |  |  |
|  | Rangeland Ecology and Management (3) | RNG 341 |  |  |
|  | Wildland Restoration and Ecology (4) | RNG 421 |  |  |
|  | Riparian Ecohydrology and Management (4) | RNG 455 |  |  |
|  | Recreation Resource Management (4) | TRAL 251 |  |  |
|  | Outdoor Recreation Management on Public Lands (3) | TRAL 351 |  |  |
|  | Parks and Protected Areas Management (3) | TRAL 357\* |  |  |
|  | Biodiversity: Causes, Consequences and Conservation (3) | Z 349\* |  |  |
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| Note: Up to 6 credits of appropriate internships, projects or study abroad may be used to fulfill credit requirements as approved by petition. |

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| **NOTE #** |  |
| Students pursuing the Education major or the Master of Science in Education should choose courses that can double count for the courses listed in [Content Mastery](https://education.oregonstate.edu/student-content-mastery-sheets) for Biology or Integrated Science. An Oregon teacher license requires additional science courses not listed in the Natural Resource major or the Natural Resource Education option. To satisfy the biology and integrated science endorsement requirements, Natural Resource students need to take the 200-level biology, two additional courses in chemistry to make it a full year and at least two physics classes. Students must work closely with their advisor(s) to plan an appropriate plan of study to meet their goals |
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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