

# TRANSFER GUIDE FOR OREGON STATE UNIVERSITY

Major Offered At:

**Mt. Hood  
Community College**

**CORVALLIS**

**ECAMPUS**

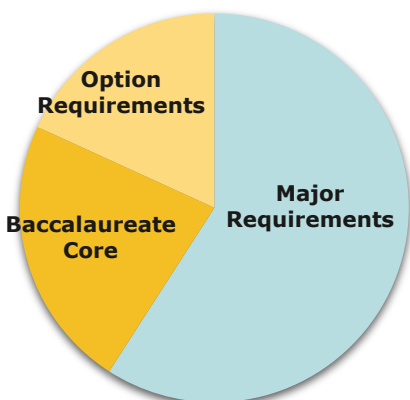
**CASCADES**

## Natural Resources Major with Individualized Specialty Option

Natural Resources students are passionate about the world around them. They collaborate to preserve and protect the natural world for future generations.

Individualized Specialty Option students create their own option around a particular theme or area of interest.

## Your Bachelor's Degree (BS) in Natural Resources



- A minimum of 180 credits are required for graduation; 60 must be upper division (300 and 400-level courses).
- A maximum of 135 credits earned at a community college may be applied toward a bachelor's degree at OSU.
- Only courses with letter prefixes and numbers above 100 are accepted.
- More info: [forestry.oregonstate.edu/undergraduate-programs/natural-resources/individualized-specialty](http://forestry.oregonstate.edu/undergraduate-programs/natural-resources/individualized-specialty)

## Courses Required for Natural Resources Major

| NR Core Requirements                         | MHCC Course     | OSU Course | Notes                   |
|--|-----------------|------------|-------------------------|
| <i>Complete one course per category</i>      |                 |            |                         |
| Consensus and Natural Resources              |                 | FES 485    | Available online at OSU |
| Managing Nat Res for the Future              | F 111 or NR 101 | NR 201     | Available online at OSU |
| Natural Resource Problems & Solutions        |                 | NR 202     | Available online at OSU |
| Natural Resources Decision Making            |                 | NR 455     | Available online at OSU |
| <b>Advanced Communication</b>                |                 |            |                         |
| Intro to Communication Theory                |                 | COMM 321   |                         |
| Small Group Problem Solving                  |                 | COMM 322   |                         |
| Communication in Organizations               |                 | COMM 324   |                         |
| Intercultural Communication                  |                 | COMM 326   |                         |
| Non-Verbal Communication                     |                 | COMM 328   | Available online at OSU |
| Communication and Culture in Cyberspace      |                 | COMM 385   | Available online at OSU |
| Theories of Conflict and Conflict Management |                 | COMM 440   |                         |
| Bargaining and Negotiating Processes         |                 | COMM 442   |                         |
| Forest as Classroom                          |                 | FES 430    | Available online at OSU |
| Effective Comm in Fish & Wildlife Sciences   |                 | FW 489     | Available online at OSU |
| Critical thinking for NR Challenges          |                 | NR 312     |                         |
| Environmental Interpretation                 |                 | TRAL 493   | Available online at OSU |
| Technical Writing                            | WR 227          | WR 327     | Available online at OSU |
| Science Writing                              |                 | WR 362     | Available online at OSU |
| Environmental Writing                        |                 | WR 462     |                         |
| Professional Writing                         |                 | WR 466     |                         |
| <b>Biology I</b>                             |                 |            |                         |
| General Biology I with Lab                   | BI 101          | BI 101     | Available online at OSU |
| Introduction to Biology I                    |                 | BI 204     | Available online at OSU |
| Principles of Biology: Cells                 | BI 211          | BI 221     |                         |

| <b>NR Core Requirements</b> (continued)<br><i>Complete one course per category</i>  | <b>MHCC Course</b>                     | <b>OSU Course</b>   | <b>Notes</b>   |
|---|--|---|--|
| <b>Biology II</b><br>General Biology II with Lab<br>Introduction to Biology II<br>Principles of Biology: Organisms  | BI 102<br>BI 212                       | BI 102<br>BI 205<br>BI 222  | Available online at OSU<br>Available online at OSU   |
| <b>Biology III</b><br>General Biology III with Lab<br>Introduction to Biology III<br>Principles of Biology: Populations   | BI 103<br>BI 213                       | BI 103<br>BI 206<br>BI 223  | Available online at OSU<br>Available online at OSU   |
| <b>Chemistry</b><br>General Chemistry I with Lab<br>General Chemistry (Majors) I with Lab   | CH 221                                 | CH 121<br>CH 231 & 261  | Available online at OSU<br>Available online at OSU   |
| <b>Climate Science</b><br>Climate Science<br>Global Change Biology<br>Climatology<br>Intro to Climate Change  |  | ATS 201<br>FW 345<br>GEOG 323<br>SUS 103  | Available online at OSU<br>Available online at OSU<br>Available online at OSU  |
| <b>Earth or Soil Science</b><br>Soil Science<br>Principles of Soil Science<br>The Solid Earth<br>Physical Geology<br>Earth Systems Science<br>Environmental Geology<br>Physical Geography<br>Soil Science with Lab<br>Soil Science with Forest Soils Lab  | G 201<br>G 202<br><br>NR 140<br>NR 140 | CSS 205<br>CSS 305<br>GEO 101<br>GEO 201<br>GEO 202<br>GEO 221<br>GEOG 102<br>SOIL 205 & 206<br>SOIL 205 & FOR 206  | Available online at OSU<br>Available online at OSU<br><br>Available online at OSU<br>Available online at OSU   |
| <b>Ecology</b><br>Marine Ecology<br>General Ecology<br>Plant Ecology<br>Forest Ecology  |  | BI 351<br>BI 370<br>BOT 341<br>FES 341  | Available online at OSU<br>Available online at OSU<br>Available online at OSU<br>Available online at OSU   |
| <b>Mathematics</b><br>Elementary Functions<br>Calculus for Mgmt, Life, and Social Science<br>Math for Mgmt, Life, and Social Science<br>Differential Calculus   | MTH 112<br>MTH 241<br>MTH 251          | MTH 112<br>MTH 241<br>MTH 245<br>MTH 251  | Available online at OSU<br>Available online at OSU<br>Available online at OSU<br>Available online at OSU   |
| <b>Statistics</b><br>Principles of Statistics<br>Intro to Statistical Methods   | MTH 243                                | ST 201<br>ST 351  | Available online at OSU<br>Available online at OSU   |
| <b>Animal ID</b><br>MHCC Course: Forest Insects & Disease<br>Terrestrial Vertebrate ID & Natural History<br>Forest Entomology<br>Systematics of Birds<br>Systematics of Fishes<br>Systematics of Mammals<br>Biology of Insects<br>Herpetology<br>Aquatic Entomology   | NR 144                                 | FES LDT<br>FOR 210<br>FES 412<br>FW 312<br>FW 316<br>FW 318<br>Z 365<br>Z 473<br>Z 477  | Available online at OSU<br>Available online at OSU<br>Available online at OSU<br><br>Available online at OSU   |
| <b>Environ. Assessment &amp; Planning</b><br>MHCC Course: Intro to Public Land Mgmt.<br>Ecological Restoration<br>Ecosystems Services<br>Land Use Planning for Sust. Communities<br>Land Use in the American West<br>Planning Principles for Resilient Communities<br>Sustainable Site Planning<br>Scientific Methods for Analyzing NR Problems<br>Wildland restoration and Ecology<br>Habitat Analysis I<br>Rangeland Management and Planning<br>Sustainability Assessment<br>Sustainable Communities<br>Planning for Sustainable Recreation<br>Planning for Sustainable Tourism | PS 217                                 | PS LDT<br>FES/FW 445<br>FW 462<br>GEOG 250<br>GEOG 450<br>GEOG 451<br>GEOG 452<br>NR 325<br>RNG 421<br>RNG 457<br>RNG 490<br>SUS 304<br>SUS 350<br>TRAL 456<br>TRAL 457 | Available online at OSU<br>Available online at OSU<br>Available online at OSU<br><br>Available online at OSU<br><br>Available online at OSU<br>Available online at OSU<br>Available online at OSU<br>Available online at OSU |



| <b>NR Core Requirements</b> (continued)<br><i>Complete one course per category</i>   | <b>MHCC Course</b> | <b>OSU Course</b>  | <b>Notes</b>  |
|--|--------------------|--|---|
| <b>Vegetation ID</b><br>Plant Systematics<br>Agrostology<br>Flora of the Pacific Northwest<br>Dendrology<br>Landscape Plant Materials I: Decid & Conifers<br>Landscape Plant Materials II: Shrubs<br>Wildland Plant Identification   | F 141              | BOT 321<br>BOT 414<br>BOT 425<br>FES 241<br>HORT 226<br>HORT 228<br>RNG 353  | Available online at OSU<br>Available online at OSU<br>Available online at OSU<br>Available online at OSU  |
| <b>Wildlife Management</b><br>Principles of Fish & Wildlife Conservation<br>Introductory Population Dynamics<br>Applied Community and Ecosystem Ecology<br>Wildlife in Agricultural Ecosystems<br>Avian Conservation and Management<br>Biodiversity Conservation in Managed Forests<br>Mammal Conservation and Management<br>Wildlife Ecology<br>Animal Behavior   | FW 251             | FW 251<br>FW 320<br>FW 321<br>FW 435<br>FW 451<br>FES/FW 452<br>FW 458<br>FW 481<br>Z 350  | Available online at OSU<br>Available online at OSU<br>Available online at OSU<br>Available online at OSU<br>Available online at OSU<br>Available online at OSU<br>Available online at OSU<br>Available online at OSU<br>Available online at OSU   |
| <b>Ethics &amp; Philosophy</b><br>Ecosystems Science of the PNW Indians<br>Anthropology, Health, and the Environment<br>Ecological Anthropology<br>Natural Resources and Community Values<br>Anthropology of International Development<br>Multicultural Perspectives in NR<br>Transforming Environmental Conflicts<br>Environmental Justice<br>Environmental History of the United States<br>Critical Thinking for NR Challenges<br>Nature in Storytelling over the Centuries<br>Environmental Ethics<br>World View and Environmental Values<br>Sustainability, Justice & Engagement |                    | AG 301<br>ANTH 352<br>ANTH 477<br>ANTH 481<br>ANTH 482<br>FW 340<br>GEOG 241<br>GEOG 330<br>HST 481<br>NR 312<br>NR 380<br>PHL 440<br>PHL/REL 443<br>SUS 331 | Available online at OSU<br>Available online at OSU<br>Available online at OSU<br>Available online at OSU<br>Available online at OSU<br>Available online at OSU<br>Available online at OSU<br>Available online at OSU<br>Available online at OSU<br>Available online at OSU<br>Available online at OSU<br>Available online at OSU<br>Available online at OSU |
| <b>Natural Resource Policy</b><br>Environmental Law<br>Rural Development Economics & Policy<br>Public Lands Policy & Management<br>Forest Policy<br>Natural Resources Policy and Law<br>Fish & Wildlife Law and Policy<br>Introduction to Ocean Law<br>U.S. Energy Policy<br>Environmental Politics and Policy<br>International Environmental Politics & Policy  |                    | AEC 432<br>AEC 454<br>FES 486<br>FOR 460<br>FOR 462<br>FW 415<br>FW 422<br>PS 473<br>PS 475<br>PS 477  | Available online at OSU<br>Available online at OSU<br>Available online at OSU<br>Available online at OSU<br>Available online at OSU<br>Available online at OSU<br>Available online at OSU<br>Available online at OSU<br>Available online at OSU<br>Available online at OSU  |
| <b>Political Issues</b><br>Plagues, Pests, and Politics<br>Natural Resource Policy and Law<br>Endangered Spec, Society and Sustainability<br>When Science Escapes the Lab<br>The Politics of Climate Change<br>Environmental Politics and Policy<br>Science and Politics<br>International Environmental Politics & Policy<br>Wilderness Management   |                    | ENT/HORT 300<br>FOR 462<br>FW 350<br>NR 351<br>PS 455<br>PS 475<br>PS 476<br>PS 477<br>TRAL 352  | Available online at OSU<br>Available online at OSU<br>Available online at OSU<br>Available online at OSU<br>Available online at OSU<br>Available online at OSU<br>Available online at OSU<br>Available online at OSU  |
| <b>Economics</b><br>Intro to Environmental Economics & Policy<br>Intro to Microeconomics   | EC 201             | AEC 250<br>ECON 201  | Available online at OSU<br>Available online at OSU  |



## General Education Courses (called the Baccalaureate Core)

- Complete one course in each Perspective category with no more than two in the same department.
- Full listing of MHCC courses that fulfill Bacc Core requirements: [admissions.oregonstate.edu/baccalaureate-core-course-equivalencies-mount-hood-community-college](https://admissions.oregonstate.edu/baccalaureate-core-course-equivalencies-mount-hood-community-college)

|                            |  |   |
|----------------------------|--|---|
| <b>SKILLS COURSES</b>      | Math<br>Writing I<br>Writing II<br>Speech (Writing III)<br>Fitness   | Completed as part of major: MTH 112 or higher<br>WR 121. Required to transfer.<br>Can be completed as part of major: see advisor<br>Choose one course from Bacc Core link above<br>HPE 295 @ MHCC   |
| <b>PERSPECTIVE COURSES</b> | Biological Science<br>Physical Science<br>Additional Biological or Physical Science<br>Cultural Diversity<br>Literature and the Arts<br>Social Processes and Institutions<br>Western Culture | Completed as part of major: Biology I<br>Completed as part of major: Chemistry<br>Completed as part of major: Biology II<br>Choose one course from Bacc Core link above<br>Choose one course from Bacc Core link above<br>Completed as part of major: ECON 201<br>Choose one course from Bacc Core link above |
| <b>DPD COURSE</b>          | Difference, Power, & Discrimination  | Can be completed as part of major: see advisor  |
| <b>SYNTHESIS COURSES</b>   | Contemporary Global Issues<br>Science, Technology, & Society   | Upper division course, take through OSU<br>Upper division course, take through OSU  |

## Advising Contacts

Academic advisors at your community college and OSU are available to answer your questions and assist you in creating a transfer plan. **See your community college advisor first and use this Transfer Guide to help you plan.** It is important to speak with your OSU academic advisor early on, and often, to ensure correct course selection and sequencing. See [visitosu.oregonstate.edu/visit-campus](https://visitosu.oregonstate.edu/visit-campus) to schedule your personalized visit.

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| <b>Mt. Hood Community College</b>                          | Jason Pinkerton, Biology/Natural Resources Instructor<br>503-791-5941<br><a href="mailto:Jason.pinkerton@mhcc.edu">Jason.pinkerton@mhcc.edu</a> |
| <b>OSU College of Forestry Prospective Student Advisor</b> | Autumn VanderLinden<br>541-737-9135<br><a href="mailto:Autumn.VanderLinden@oregonstate.edu">Autumn.VanderLinden@oregonstate.edu</a>             |