

# TRANSFER GUIDE FOR OREGON STATE UNIVERSITY

Major Offered At:

CORVALLIS

ECAMPUS

Oregon Coast  
Community College

## Natural Resources Major with Urban Forest Landscapes Option

Natural Resources students are passionate about the world around them. They collaborate to preserve and protect the natural world for future generations. Urban Forest Landscapes students will understand the complexities surrounding the culture and

management of urban forest ecosystems. This includes examination of economic, social, and environmental benefits and values of trees in urban areas, and the relationship between people and trees.

## 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 at forestry.oregonstate.edu/undergraduate-programs/natural-resources/urban-forest-landscapes](http://forestry.oregonstate.edu/undergraduate-programs/natural-resources/urban-forest-landscapes)

## Courses Required for Natural Resources Major

| NR Core Requirements                         | OCCC 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              |             | 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>                             |             |            |                         |
| 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>OCCC Course</b>     | <b>OSU Course</b>   | <b>Notes</b>  |
|--|------------------------|---|---|
| <b>Biology II</b><br>Introduction to Biology II<br>Principles of Biology: Organisms  | BI 212                 | BI 205<br>BI 222  | Available online at OSU   |
| <b>Biology III</b><br>Introduction to Biology III<br>Principles of Biology: Populations  | BI 213                 | BI 206<br>BI 223  | Available online at OSU   |
| <b>Chemistry</b><br>General Chemistry I with Lab<br>General Chemistry (Majors) I with Lab  |                        | 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         | 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>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><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>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   |                        | 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>Available online at OSU  |
| <b>Environ. Assessment &amp; Planning</b><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 |                        | 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>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>NR Core Requirements</b> (continued)<br><i>Complete one course per category</i>   | <b>OSCC Course</b> | <b>OSU Course</b>  | <b>Notes</b>  |
|--|--------------------|--|---|
| <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<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  |
| <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   |
| <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   |
| <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  |

| <b>NR Core Requirements</b> (continued)<br><i>Complete one course per category</i>   | <b>OCCC Course</b> | <b>OSU Course</b>  | <b>Notes</b>  |
|--|--------------------|--|---|
| <b>Social Issues</b><br>Human Impacts on Ecosystems<br>Human Ecology<br>Issues in Natural Resource Conservation<br>Global Crises in Resource Ecology<br>Sustainability for the Common Good<br>Climate Change, Water and Society<br>Transforming Environmental Conflicts<br>Resilience-Based Natural Resource Mgmt<br>Global Resource Development<br>When Science Escapes the Lab<br>Oceans, Coasts & People<br>Social Dimensions of Sustainability<br>Rural Sociology<br>Environmental Sociology<br>Society and Natural Resources<br>Social Dimensions of Sustainability<br>Recreation Resource Management<br>Outdoor Recreation on Public Lands<br>Wilderness Management<br>Nature, Eco, and Adventure Tourism<br>Communities, Natural Areas, and Tourism<br>Parks & Protected Areas<br>Women and Natural Resources |                    | BI 301<br>BI 348<br>FES 365<br>FW 325<br>GEOG 300<br>GEOG 240<br>GEOG 241<br>GEOG 430<br>GEOG 431<br>NR 351<br>OC 333<br>SOC 381<br>SOC 475<br>SOC 480<br>SOC 481<br>SUS 420<br>TRAL 251<br>TRAL 351<br>TRAL 352<br>TRAL 353<br>TRAL 354<br>TRAL 357<br>WGSS 440 | Available online at OSU<br>Available online at OSU<br>Available online at OSU<br><br>Available online at OSU<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<br><br>Available online at OSU<br><br>Available online at OSU |
| <b>Spatial Analysis</b><br>Precision Agriculture<br>GIS and Forest Engineering Applications<br>Survey of Geographic Information Systems<br>Foundations of Geospatial Science & GIS<br>Geoscience I: GIS and Theory   |                    | CROP/HORT 414<br>FE 257<br>FW 303<br>GEOG 201<br>GEOG 360  | Available online at OSU<br>Available online at OSU<br>Available online at OSU<br>Available online at OSU<br>Available online at OSU   |

## Courses Required for Urban Forest Landscapes Option

| <b>Requirement</b><br><i>Complete one course per category</i>                           | <b>OCCC Course</b> | <b>OSU Course</b>                        | <b>Notes</b>                                       |
|---|--------------------|--|--|
| <b>Measurements</b><br>Field Methods in Plant Ecology<br>GeogScience I: GIS Theory      |                    | BOT 440<br>GEOG 360                      | Available online at OSU<br>Available online at OSU |
| Plant Ecology<br>Introductory Plant Physiology<br>Forest Entomology<br>Forest Pathology |                    | BOT 341<br>BOT 350<br>FES 412<br>FOR 413 | Available online at OSU<br>Available online at OSU |
| Urban Forestry  |                    | FES/HORT 350                             | Available online at OSU                            |
| Ecological Restoration  |                    | FES/FW 445                               | Available online at OSU                            |
| Arboriculture   |                    | FES/HORT 447                             | Available online at OSU                            |
| Urban Forest Planning, Policy & Management  |                    | FES/HORT 455                             | Available online at OSU                            |
| Urban Ecology   |                    | FW 418                                   | Available online at OSU                            |
| Ecosystem Services  |                    | FW 462                                   | Available online at OSU                            |
| Sustainable Landscapes: Maintenance, Conservation, Restoration                          |                    | HORT 315                                 | Available online at OSU                            |
| Natural Resources and Community Values  |                    | ANTH 481                                 | Available online at OSU                            |
| Society and Natural Resources   |                    | SOC 481                                  | Available online at OSU                            |
| Natural Resource Policy and Law   |                    | FOR 462                                  |  |
| Environmental Politics and Policy   |                    | PS 475                                   | Available online at OSU                            |
| Plan. Prin. & Pract. For Resilient Communities  |                    | GEOG 451                                 |  |
| Sustainable Site Planning   |                    | GEOG 452                                 | 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 OCCC courses that fulfill Bacc Core requirements: [admissions.oregonstate.edu/transfer/oregon-coast-community-college](https://admissions.oregonstate.edu/transfer/oregon-coast-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>HE 295 and PE 295 @ OCCC   |
| <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>Oregon Coast Community College</b>                      | <a href="https://oregoncoast.edu/advising/">https://oregoncoast.edu/advising/</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> |