

# TRANSFER GUIDE FOR OREGON STATE UNIVERSITY

Major Offered At:

**CORVALLIS**

**ECAMPUS**

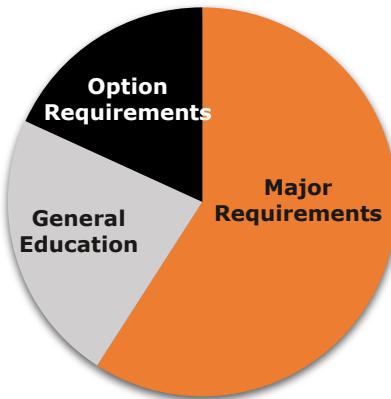
**Southwestern Oregon  
Community College**

## Natural Resources Major with Human Dimensions Option

Natural Resources students are passionate about the world around them. They collaborate to preserve and protect the natural world for future generations. Human Dimensions students will develop an understanding of the interconnectedness of human

behavior and well-being and natural resources. This includes better understanding the cultural, social, political, and philosophical issues related to NR, and prepares students work with various stakeholders in natural resource management.

## 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.
- [forestry.oregonstate.edu/undergraduate-programs/natural-resources/human-dimensions-natural-resources](http://forestry.oregonstate.edu/undergraduate-programs/natural-resources/human-dimensions-natural-resources)

## Courses Required for Natural Resources Major

| NR Major Requirements<br><i>Complete one course per category</i> | SWOCC Course | OSU Course | Notes                   |
|--|--------------|------------|-------------------------|
| Managing Nat Res for the Future                                  | NR 201       | NR 201     | Available online at OSU |
| Natural Resource Problems & Solutions                            |              | NR 202     | Available online at OSU |
| Consensus and Natural Resources                                  |              | FES 485    | Available online at OSU |
| Natural Resources Decision Making                                |              | NR 455     | Available online at OSU |
| <b>Advanced Communication</b>                                    |              |            |                         |
| Communication in Global Agriculture                              |              | AG 351     | Available online at OSU |
| Social Media Advocacy in Ag Sci & Nat Res                        |              | AG 445     | Available online at OSU |
| Risk & Crisis Communication in Ag Sci & NR                       |              | AG 455     |                         |
| Small Group Communication  |              | COMM 222   |                         |
| Intercultural Communication                                      |              | COMM 226   | Available online at OSU |
| Communication in Organizations                                   |              | COMM 324   |                         |
| Non-Verbal Communication   |              | COMM 328   |                         |
| Communication in Cyberspace                                      |              | COMM 385   | Available online at OSU |
| Theories of Conflict and Conflict Management                     |              | COMM 440   |                         |
| Bargaining and Negotiating Processes                             |              | COMM 442   |                         |
| Environmental Case Studies                                       |              | ENSC 321   | Available online at OSU |
| Forest as Classroom  |              | FES 430    | Available online at OSU |
| Maps, Media and Communication                                    |              | GEOG 202   |                         |
| Effective Comm of Environmental Change Sci                       |              | GEOG 453   |                         |
| Critical thinking for NR Challenges                              |              | NR 312     |                         |
| Environmental Interpretation                                     |              | TRAL 493   | Available online at OSU |
| Technical Writing  |              | WR 227Z    | Available online at OSU |
| Advanced Writing & Argumentation                                 |              | WR 323     | Available online at OSU |
| Science Writing  |              | WR 362     | Available online at OSU |
| Writing for the Natural Sciences                                 |              | WR 375     | Available online at OSU |
| Environmental Writing  |              | WR 462     | Available online at OSU |

| <b>NR Major Requirements</b><br><i>Complete one course per category</i>  | <b>SWOCC Course</b>                | <b>OSU Course</b>   | <b>Notes</b>   |
|--|------------------------------------|---|--|
| <b>Writing Intensive Course</b><br>Ag and Environmental Predicaments<br>Environmental Case Studies<br>Public Lands Policy and Management<br>Forest Policy and Regulation<br>Aquaculture<br>Climatology<br>Research Methods<br>Rangeland Management and Planning<br>World Soil Resources<br>Environmental Writing |                                    | CROP/SOIL/SUS 325<br>ENSC 321<br>FES 486<br>FE/FOR 463<br>FW 497<br>GEOG 323<br>PS 300<br>RNG 491<br>SOIL 395<br>WR 462 | Available online at OSU<br>Available online at OSU<br><br>Available online at OSU<br>Available online at OSU |
| <b>Biology I</b><br>Env Bio: Ecology, Cons., Global Change<br>Introductory Biology I<br>Principles of Biology: Cells   | BI 101<br>BI 221Z                  | BI 101<br>BI 204<br>BI 221Z   | Available online at OSU<br>Available online at OSU   |
| <b>Biology II</b><br>Animal Bio: Genes, Behavior, and Evolution<br>Introductory Biology II<br>Principles of Biology: Organisms   | BI 102<br>BI 222Z                  | Z 102<br>BI 205<br>BI 222Z  | Available online at OSU<br>Available online at OSU   |
| <b>Biology III</b><br>Human Bio: Anatomy, Phys, and Disease<br>Introductory Biology III<br>Principles of Biology: Ecology & Evolution  | BI 103<br>BI 223Z                  | BI 103<br>BI 206<br>BI 223Z   | 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  | CHEM 221Z & 227Z                   | CH 121<br>CH 221Z & 227Z  | Available online at OSU<br>Available online at OSU   |
| <b>Climate Science</b><br>SWOCC Course: Weather & Climate<br>Climate Science<br>Snow, Smoke and Storms: Climate in PNW<br>Climatology<br>Intro to Climate Change   | GEOG 209                           | GEOG LDT<br>ATS 201<br>ATS 341<br>GEOG 323<br>SUS 103   | Available online at OSU<br>Available online at OSU<br>Available online at OSU<br>Available online at OSU   |
| <b>Land Science</b><br>Soil Science<br>Environmental Earth Science<br>Planet Earth<br>Physical Geology<br>Earth Systems Science<br>Global Change and Earth Sciences<br>Surface Processes<br>Dynamic Planet<br>Soil Science & Lab   | G 201<br>G 202<br>G 203<br>ENV 235 | CSS 205<br>ENSC 210<br>GEO 101<br>GEO 201<br>GEO 202<br>GEO 308<br>GEO 322<br>GEOG 102<br>SOIL 205 & 206                | 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>Water Science</b><br>SWOCC Course: Watershed Processes<br>Watershed Processes<br>Forest Watershed Management<br>Environmental Hydrogeology<br>Intro to Water Science and Policy<br>Hydrology for Water Resource Mgmt<br>Oceanography<br>Intro to Biological Oceanography<br>Coastal Oceanography              | NR 260<br>GS 108                   | NR LDT<br>FE 430<br>FE 434<br>GEO 387<br>GEOG 340<br>GEOG 424<br>OC 201<br>OC 202<br>OC 332                             | Available online at OSU<br><br>Available online at OSU<br>Available online at OSU<br><br>Available online at OSU<br><br>Available online at OSU  |
| <b>Ecology</b><br>Ecology for Engineers<br>Marine Ecology<br>General Ecology<br>Plant Ecology<br>Tropical Ecology and Conservation<br>Forest Ecology<br>Wildlife Ecology<br>Intro to Wildland Ecology  |                                    | BEE 270<br>BI 351<br>BI 370<br>BOT 341<br>ENSC 341<br>FES 341<br>FW 481<br>RNG 121                                      | 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 112Z<br>MTH 241<br>MTH 251Z    | MTH 112Z<br>MTH 241<br>MTH 245<br>MTH 251Z  | Available online at OSU<br>Available online at OSU<br>Available online at OSU<br>Available online at OSU   |



| NR Major Requirements<br><i>Complete one course per category</i>   | SWOCC Course                    | OSU Course   | Notes  |
|--|---------------------------------|--|--|
| <b>Terrestrial Ecosystems</b><br>Forest Biology<br>Forest Ecology<br>Forest Types of the Northwest<br>Urban Forestry<br>Wildland Fire Ecology<br>Ecological Restoration<br>Biodiversity Conservation in Managed Forests<br>Intro to Forestry<br>Topics in Wildland Fire<br>Silviculture Principles<br>Intro to Wildland Ecology<br>Rangeland Ecology and Management<br>Ecology of Grassland Ecosystems<br>Ecology of Shrubland Ecosystems<br>Rangeland Restoration and Ecology<br>Vegetation Monitoring and Analysis<br>Rangeland-Animal Relations<br>Ecosystems of Wildland Soils<br>Soil Systems and Plant Growth<br>World Soil Resources<br>Soil Morphology and Classification  | F 250<br><br>F 111<br><br>F 246 | FES 240<br>FES 341<br>FES 342<br>FES/HORT 350<br>FES 440<br>FES 445<br>FES 452<br>FOR 111<br>FOR 346<br>FOR 441<br>RNG 121<br>RNG 341<br>RNG 351<br>RNG 352<br>RNG 421<br>RNG 441<br>RNG 442<br>SOIL 366<br>SOIL 388<br>SOIL 395<br>SOIL 466 | Available online at OSU<br>Available online at OSU |
| <b>Environ. Assessment &amp; Planning</b><br>Agriculture & Environmental Predicaments<br>Ecological Restoration<br>Urban Forestry Planning, Policy, and Mgmt<br>Ecosystems Services<br>Land Use Planning for Sust. Communities<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<br>Evaluating Sus through Life Cycle Analysis   |                                 | CROP/SOIL/SUS 325<br>FES 445<br>FES/HORT 455<br>FW 462<br>GEOG 250<br>GEOG 451<br>GEOG 452<br>NR 325<br>RNG 421<br>RNG 457<br>RNG 491<br>SUS 304<br>SUS 350<br>TRAL 456<br>TRAL 457<br>WSE 385   | Available online at OSU<br>Available online at OSU  |
| <b>Difference/Power/Oppression Advanced</b><br>Indigenous Agriculture and Subsistence<br>Anthro of Difference, Power, and Oppression<br>Environmental Justice<br>Power and Justice in US Nat Res Management<br>Sustainability, Justice, and Engagement   |                                 | AG 311<br>ANTH 411<br>ENSC/GEOG 333<br>FW 340<br>SUS 331   | Available online at OSU<br>Available online at OSU<br>Available online at OSU<br>Available online at OSU   |
| <b>Nat Resource Politics &amp; Policy (choose 2)</b><br>Environmental Law<br>Contemporary Native Issues<br>Plagues, Pests, and Politics<br>Native American Law: Tribes, Treaties & US<br>Forest Policy & Regulation<br>Public Lands Policy & Management<br>Forest Policy & Regulation<br>Endangered Species, Soc, and Sustainability<br>Fish & Wildlife Law and Policy<br>Introduction to Ocean Law<br>Conflict, Cooperation, and Control of Water<br>The World's Water<br>Public Policy Problems<br>Policy and Law of US Coastal Governance<br>Integrated Policy: Food, Energy, Water, Clim<br>Marine Policy in the United States<br>The Politics of Climate Change<br>U.S. Energy Policy<br>Environmental Politics and Policy<br>International Environmental Politics & Policy |                                 | AEC 432<br>ANTH 472<br>ENT 300/HORT 330<br>ES 444<br>FE/FOR 463<br>FES 486<br>FOR 461<br>FW 350<br>FW 415<br>FW 422<br>GEOG 440<br>GEOG 441<br>PPOL/PS 371<br>PPOL 446<br>PPOL 447<br>PPOL 448<br>PS 455<br>PS 473<br>PS 475<br>PS 477       | Available online at OSU<br>Available online at OSU                            |



## Courses Required for Human Dimensions Option

| Requirement   | SWOCC Course | OSU Course  | Notes   |
|---|--------------|---|---|
| <b>Measurements</b><br>Research Methods in Social Science   |              | FES 422   | Available online at OSU   |
| <b>Consensus &amp; Communication</b><br>Small Group Communication<br>Intercultural Communication<br>Communication in Organizations<br>Theories of Conflict & Conflict Management<br>Bargaining and Negotiating Processes<br>Team and Organizational Leadership<br>Leadership Through Conversations  |              | COMM 222<br>COMM 226<br>COMM 324<br>COMM 440<br>COMM 442<br>LEAD 262<br>LEAD 443  | Available online at OSU<br>Available online at OSU  |
| <b>Phil. &amp; Ethics of Environ. (choose two)</b><br>Native American Philosophies<br>Critical Thinking for NR Challenges<br>Nature in Storytelling Over the Centuries<br>Environmental Ethics<br>World Views and Environmental Values<br>Philosophy of Science<br>Social Dimensions of Sustainability<br>Sustainability, Justice, and Engagement   |              | ES/PHL/REL 448<br>NR 312<br>NR 380<br>PHL 440<br>PHL/REL 443<br>PHL 470<br>SOC 381<br>SUS 331   | Available online at OSU<br>Available online at OSU   |
| <b>Environmental Policy &amp; Law</b><br>Environmental Law, Policy, and Economics<br>Environmental Law<br>Contemporary Native Issues<br>Native American Law: Tribes & Treaties in US<br>Environmental Politics & Policy<br>International Environmental Politics & Policy  |              | AEC 253<br>AEC 432<br>ANTH 472<br>ES 444<br>PS 475<br>PS 477  | Available online at OSU<br>Available online at OSU  |
| <b>Conservation &amp; Mgmt (Choose Three)</b><br>Managing Organizations<br>Issues in Natural Resources Conservation<br>Urban Forest Planning, Policy, and Mgmt.<br>Public Lands Policy & Management<br>Principles of Fish & Wildlife Conservation<br>Integrated Watershed Management<br>End. Species, Society and Sustainability<br>Ecosystems Services<br>Land Use Planning for Sust. Communities<br>Resilience-Based Natural Resource Mgmt<br>Plan Principles for Resilient Communities<br>Sustainable Site Planning<br>Intro to Non-Profit Management<br>Sustainable Communities<br>Sustainable Organizations<br>Outdoor Recreation on Public Lands<br>Communities, Natural Areas, and Tourism |              | BA 251<br>FES 365<br>FES/HORT 455<br>FES 486<br>FW 251<br>FW 326<br>FW 350<br>FW 462<br>GEOG 250<br>GEOG 430<br>GEOG 451<br>GEOG 452<br>NMC 311<br>SUS 350<br>SUS 450<br>TRAL 351<br>TRAL 354 | Available online at OSU<br>Available online at OSU |

| Requirement<br><i>Complete one course per category unless otherwise noted</i>   | SWOCC Course  | OSU Course  | Notes  |
|---|---|---|--|
| <b>Humans, Soc, and Env (choose three)</b><br>Intro to Climate Change Econ & Policy<br>Introduction to Anthropology<br>Introduction to Cultural Anthropology<br>Ecological Anthropology<br>Natural Resources and Community Values<br>Global Warming: Science, Impacts, Solutions<br>Sustainability for the Common Good<br>Population, Consumption, and Environment<br>Environmental History of the United States<br>Oceans, Coasts, and People<br>Energy, Climate and Society<br>Sustainable Living: Practices and Policies<br>General Psychology<br>General Psychology<br>Social Psychology<br>Conservation Psychology<br>Intro to Sociology<br>Intro to Environment and Society<br>Social Dimensions of Sustainability<br>Environmental Sociology<br>Society and Natural Resources<br>Sustainable Communities<br>Social Dimensions of Sustainability<br>Women & Natural Resources | ANTH 221 subs<br><br>PSY 201Z<br>PSY 202Z<br><br>SOC 204Z | AEC 122<br>ANTH 101<br>ANTH 210<br>ANTH 477<br>ANTH 481<br>GEO 332<br>GEOG 300<br>GEOG 331<br>HST 481<br>OC 203<br>PPOL 441/SOC 482<br>PS 374<br>PSY 201Z<br>PSY 202Z<br>PSY 360<br>PSY 492<br>SOC 204Z<br>SOC 280<br>SOC 381<br>SOC 480<br>SOC 481<br>SUS 350<br>SUS 420<br>WGSS 440 | Available online at OSU<br>Available online at OSU |

## General Education Courses (called Core Education)

- Complete one course in each category.
- Full listing of SWOCC courses that fulfill Core Ed requirements: [admissions.oregonstate.edu/core-education-course-articulations-southwestern-oregon-community-college](https://admissions.oregonstate.edu/core-education-course-articulations-southwestern-oregon-community-college)

|                          |   |  |
|--------------------------|---|--|
| <b>FOUNDATIONAL CORE</b> | Writing Foundations                       | WR 121Z required   |
|                          | Arts & Humanities: General                |  |
|                          | Arts & Humanities: Global                 |  |
|                          | Quantitative Literacy & Analysis          | Fulfilled by major: MTH 112Z, MTH 241, or STAT 243Z                |
|                          | Communication, Media & Society            |  |
|                          | Social Science                            | Fulfilled by major: ECON 201Z                                      |
|                          | Scientific Inquiry & Analysis             | Fulfilled by major: Biology  |
|                          | Scientific Inquiry & Analysis             | Fulfilled by major: CHEM 221Z & 227Z                               |
|                          | Difference, Power, Oppression Foundations |  |
| <b>SIGNATURE CORE</b>    | Transitions                               |  |
|                          | Beyond OSU I: Prepare                     | Fulfilled by major: NR 201   |
|                          | Beyond OSU II: Engage                     | Fulfilled by major: NR 455   |
|                          | Difference, Power, Oppression Advanced    | Fulfilled by major: AG 311, ENSC/GEOG 333, SUS 331                 |
|                          | Seeking Solutions                         | Cannot be fulfilled by a major requirement                         |
|                          | Writing Elevation                         |  |
|                          | Writing Intensive Course                  | Fulfilled by major: SUS 325, ENSC 321, FES 486, FOR 463, or WR 462 |

## 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>Southwestern Oregon Community College</b>               | Tasha Davison, Faculty in Forestry & Natural Resources<br>Tasha.l.davison@socc.edu, 541-888-7284                     |
| <b>OSU College of Forestry<br/>Student Services Office</b> | 541-737-1594<br><a href="mailto:forestrystudentservices@oregonstate.edu">forestrystudentservices@oregonstate.edu</a> |