

Major Offered At:

**CORVALLIS**

**ECAMPUS**

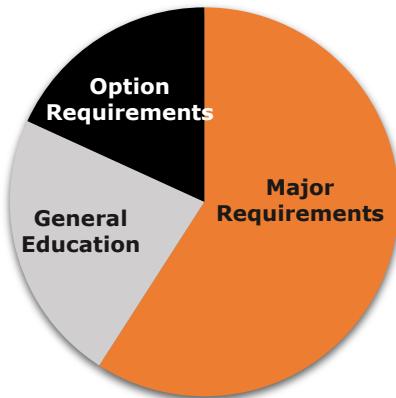
**Southwestern Oregon  
Community College**

## 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 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 Urban Forest Landscapes Option

| Requirement<br><i>Complete one course per category</i>         | SWOCC Course | OSU Course   | Notes                   |
|--|--------------|--------------|-------------------------|
| <b>Measurements</b>  |              |              |                         |
| Urban Forest Data Analysis                                     |              | FES 475      | Available online at OSU |
| Plant Ecology  |              | BOT 341      | Available online at OSU |
| Plant Pathology  |              | BOT 451      | Available online at OSU |
| Forest Entomology  |              | FES 412      |                         |
| Forest Pathology   |              | FOR 413      |                         |
| 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 |
| Environmental Law  |              | AEC 432      | Available online at OSU |
| Forest Policy & Regulation                                     |              | FOR 463      |                         |
| Environmental Politics and Policy                              |              | PS 475       | Available online at OSU |
| Land Use Planning  |              | GEOG 250     | Available online at OSU |
| Plan. Prin. & Pract. For Resilient Communities                 |              | GEOG 451     | Available online at OSU |
| Sustainable Site Planning                                      |              | GEOG 452     | 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.

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