

TRANSFER GUIDE FOR OREGON STATE UNIVERSITY

Major Offered At:

CORVALLIS

ECAMPUS

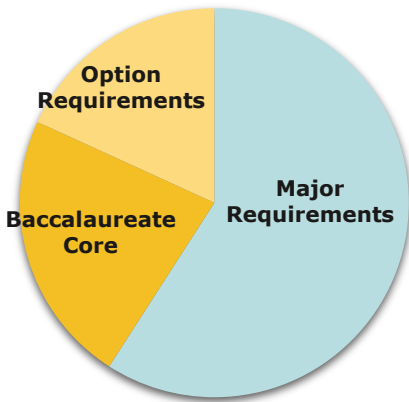
Lane
Community College

Natural Resources Major with Ecological Restoration Option

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

NR students completing this option will understand the complexities associated with restoration of terrestrial and aquatic ecosystems, and how restorative decisions involve significant interactions between ecological and social systems.

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/ecological-restoration

Courses Required for Natural Resources Major

| NR Core Requirements | LCC 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 |
| Advanced Communication: Communication in Global Agriculture Intro to Communication Theory Small Group Problem Solving Communication in Organizations Intercultural Communication Non-Verbal Communication Communication and Culture in Cyberspace Theories of Conflict and Conflict Management Bargaining and Negotiating Processes Forest as Classroom Effective Comm of Environmental Change Sci Critical thinking for NR Challenges Environmental Interpretation Science Writing Environmental Writing | | AG 351 COMM 321 COMM 322 COMM 324 COMM 326 COMM 328 COMM 385 COMM 440 COMM 442 FES 430 GEOG 453 NR 312 TRAL 493 WR 362 WR 462 | Available online at OSU Available online at OSU Available online at OSU Available online at OSU |
| Biology I Introduction to Biology I Principles of Biology: Cells | BI 221 | BI 204 BI 221 | Available online at OSU |

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

| NR Core Requirements (continued) <i>Complete one course per category</i> | LCC Course | OSU Course | Notes |
|--|--------------------|--|--|
| Wildlife Management Principles of Fish & Wildlife Conservation Introductory Population Dynamics Applied Community and Ecosystem Ecology Wildlife in Agricultural Ecosystems Avian Conservation and Management Biodiversity Conservation in Managed Forests Mammal Conservation and Management Wildlife Ecology Animal Behavior | | FW 251 FW 320 FW 321 FW 435 FW 451 FES/FW 452 FW 458 FW 481 Z 350 | Available online at OSU Available online at OSU Available online at OSU Available online at OSU Available online at OSU Available online at OSU Available online at OSU Available online at OSU Available online at OSU |
| Ethics & Philosophy Ecosystems Science of the PNW Indians Anthropology, Health, and the Environment Ecological Anthropology Natural Resources and Community Values Anthropology of International Development Multicultural Perspectives in NR Transforming Environmental Conflicts Environmental Justice Environmental History of the United States Critical Thinking for NR Challenges Nature in Storytelling over the Centuries Environmental Ethics World View and Environmental Values Sustainability, Justice & Engagement | | AG 301 ANTH 352 ANTH 477 ANTH 481 ANTH 482 FW 340 GEOG 241 GEOG 330 HST 481 NR 312 NR 380 PHL 440 PHL/REL 443 SUS 331 | Available online at OSU Available online at OSU Available online at OSU Available online at OSU Available online at OSU Available online at OSU Available online at OSU Available online at OSU Available online at OSU Available online at OSU Available online at OSU Available online at OSU Available online at OSU Available online at OSU |
| Natural Resource Policy Environmental Law Public Lands Policy & Management Forest Policy Forest Policy Analysis Fish & Wildlife Law and Policy Introduction to Ocean Law U.S. Energy Policy Environmental Politics and Policy International Environmental Politics & Policy | | AEC 432 FES 486 FOR 460 FOR 461 FW 415 FW 422 PS 473 PS 475 PS 477 | Available online at OSU Available online at OSU Available online at OSU Available online at OSU Available online at OSU Available online at OSU Available online at OSU Available online at OSU Available online at OSU |
| Political Issues Plagues, Pests, and Politics Endangered Spec, Society and Sustainability When Science Escapes the Lab The Politics of Climate Change Environmental Politics and Policy Science and Politics International Environmental Politics & Policy Wilderness Management | | ENT/HORT 300 FW 350 NR 351 PS 455 PS 475 PS 476 PS 477 TRAL 352 | Available online at OSU Available online at OSU Available online at OSU Available online at OSU Available online at OSU Available online at OSU Available online at OSU Available online at OSU |
| Economics Intro to Environmental Economics & Policy Intro to Microeconomics | ECON 260 EC 201 | AEC 250 ECON 201 | Available online at OSU Available online at OSU |

| NR Core Requirements (continued) <i>Complete one course per category</i> | LCC Course | OSU Course | Notes |
|--|-----------------------------------|--|--|
| Social Issues Human Impacts on Ecosystems Human Ecology Issues in Natural Resource Conservation Global Crises in Resource Ecology Sustainability for the Common Good Climate Change, Water and Society Transforming Environmental Conflicts Resilience-Based Natural Resource Mgmt Global Resource Development When Science Escapes the Lab Oceans, Coasts & People Social Dimensions of Sustainability Rural Sociology Environmental Sociology Society and Natural Resources Social Dimensions of Sustainability Recreation Resource Management Outdoor Recreation on Public Lands Wilderness Management Nature, Eco, and Adventure Tourism Communities, Natural Areas, and Tourism Parks & Protected Areas Women and Natural Resources | | BI 301 BI 348 FES 365 FW 325 GEOG 300 GEOG 240 GEOG 241 GEOG 430 GEOG 431 NR 351 OC 333 SOC 381 SOC 475 SOC 480 SOC 481 SUS 420 TRAL 251 TRAL 351 TRAL 352 TRAL 353 TRAL 354 TRAL 357 WGSS 440 | Available online at OSU Available online at OSU Available online at OSU Available online at OSU Available online at OSU Available online at OSU Available online at OSU Available online at OSU Available online at OSU Available online at OSU Available online at OSU Available online at OSU Available online at OSU Available online at OSU |
| Spatial Analysis Precision Agriculture GIS and Forest Engineering Applications Survey of Geographic Information Systems Foundations of Geospatial Science & GIS Geoscience I: GIS and Theory | GIS 246 GIS 151 GIS 245 | CROP/HORT 414 FE 257 FW 303 GEOG 201 GEOG 360 | Available online at OSU Available online at OSU Available online at OSU Available online at OSU Available online at OSU |

Courses Required for Ecological Restoration Option

| Requirement <i>Complete one course per category unless otherwise noted</i> | LCC Course | OSU Course | Notes |
|--|-------------------|--|---|
| Measurements Field Methods in Ecological Restoration Field Methods in Plant Ecology Scientific Methods for Analyzing NR Problems Rangeland Analysis | | BI 375 BOT 440 NR 325 RNG 441 | Available online at OSU Available online at OSU Available online at OSU |
| Resource Economics Natural Resources Economics & Policy Environmental Economics & Policy Intro to Coastal & Marine Resource Econ Rural Development Economics & Policy Forest Resource Economics I Economics & Policy of Wildland Fire | | AEC 351 AEC/ECON 352 AEC 353 AEC 454 FOR 329 FOR 431 | Available online at OSU Available online at OSU Available online at OSU Available online at OSU |
| Plant Systematics Plant Ecology | | BOT 321 BOT 341 | Available online at OSU Available online at OSU |
| General Chemistry II with Lab General Chemistry II with Lab (for majors) | CH 222 | CH 122 CH 232 & 262 | Available online at OSU Available online at OSU |
| Ecological Restoration | | FES/FW 445 | Available online at OSU |
| Wetlands and Riparian Ecology Riparian Ecohydrology and Management | | FW 479 RNG 455 | Available online at OSU Available online at OSU |
| Land Use in the American West Planning Prin & Pract for Resilient Community Sustainable Site Planning | | GEOG 450 GEOG 451 GEOG 452 | Available online at OSU Available online at OSU |
| Ecosystems of Wildland Soils Soil System and Plant Growth Soil Morphology and Classification | | SOIL 366 SOIL 388 SOIL 466 | Available online at OSU Available online at OSU Available online at OSU |
| Social & Ethical Considerations Urban Forestry Econ and Policy of Forest Wildland Fire Critical Thinking for NR Challenges Environmental Ethics World Views and Environmental Values Environmental Sociology Society and Natural Resources Sustainability, Justice & Engagement | | FES/HORT 350 FOR 431 NR 312 PHL 440 PHL/REL 443 SOC 480 SOC 481 SUS 331 | Available online at OSU Available online at OSU Available online at OSU Available online at OSU Available online at OSU Available online at OSU Available online at OSU |
| Ecological & NR Electives – 2 classes Marine Ecology Environmental Physiology of plants Wildland Fire Ecology Wildland Fire Science & Management Biodiversity Cons in Managed Forests Silviculture Principles Introductory Population Dynamics Coastal Ecology and Resource Management Avian Conservation and Management Fishery Biology Freshwater Ecology and Conservation Mammal Conservation and Management Fish Ecology Wildlife Ecology Rangeland Ecology and Management Wildland Restoration and Ecology Soil Landscape Analysis Biodiversity: Causes, Consequences, Conserv Environmental Physiology | | BI 351 BOT 488 FES 440 FOR 436 FES/FW 452 FOR 441 FW 320 FW 426 FW 451 FW 454 FW 456 FW 458 FW 473 FW 481 RNG 341 RNG 421 SOIL 468 Z 349 Z 423 | Available online at OSU Available online at OSU Available online at OSU Available online at OSU Available online at OSU Available online at OSU Available online at OSU Available online at OSU Available online at OSU Available online at OSU Available online at OSU Available online at OSU Available online at OSU Available online at OSU Available online at OSU Available online at OSU Available online at OSU Available online at OSU 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 Lane CC courses that fulfill Bacc Core requirements: admissions.oregonstate.edu/baccalaureate-core-course-equivalencies-lane-community-college

| | | |
|----------------------------|--|---|
| SKILLS COURSES | Math Writing I Writing II Speech (Writing III) Fitness | Completed as part of major: MTH 112Z or higher WR 121Z. Required to transfer. Can be completed as part of major: see advisor Choose one course from Bacc Core link above HE 275 |
| PERSPECTIVE COURSES | Biological Science Physical Science Additional Biological or Physical Science Cultural Diversity Literature and the Arts Social Processes and Institutions Western Culture | Completed as part of major: Biology I Completed as part of major: Chemistry Completed as part of major: Biology II Choose one course from Bacc Core link above Choose one course from Bacc Core link above Completed as part of major: ECON 201 or ECON 260 Choose one course from Bacc Core link above |
| DPD COURSE | Difference, Power, & Discrimination | Can be completed as part of major: see advisor |
| SYNTHESIS COURSES | Contemporary Global Issues Science, Technology, & Society | Upper division course, take through OSU 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 to schedule your personalized visit.

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| Lane Community College | https://www.lanecollege.edu/get-support/academic-support/academic-advising |
| OSU College of Forestry Student Services Office | 541-737-1594 forestrystudentservices@oregonstate.edu |