

# TRANSFER GUIDE FOR OREGON STATE UNIVERSITY

Major Offered At:

CORVALLIS

ECAMPUS

Central Oregon  
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](http://forestry.oregonstate.edu/undergraduate-programs/natural-resources/ecological-restoration)

## Courses Required for Natural Resources Major

NR Core Requirements	COCC 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 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 in Environmental Change Sci Critical thinking for NR Challenges Environmental Interpretation Technical Writing Science Writing Environmental Writing Professional Writing	WR 227	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 327 WR 362 WR 462 WR 466	Available online at OSU Available online at OSU  Available online at OSU  Available online at OSU Available online at OSU Available online at OSU
<b>Biology I</b> Introduction to Biology I Principles of Biology: Cells	BI 211	BI 204 BI 221	Available online at OSU

<b>NR Core Requirements</b> (continued) <i>Complete one course per category</i>	<b>COCC Course</b>	<b>OSU Course</b>	<b>Notes</b>
<b>Biology II</b> Introduction to Biology II Principles of Biology: Organisms	BI 212	BI 205 BI 222	Available online at OSU
<b>Biology III</b> Introduction to Biology III Principles of Biology: Populations	BI 213	BI 206 BI 223	Available online at OSU
<b>Chemistry</b> 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
<b>Climate Science</b> COCC Course: GEOG 279 Weather & Climate Climate Science Global Change Biology Climatology Intro to Climate Change	GEOG 279	GEOG LDT ATS 201 FW 345 GEOG 323 SUS 103	Available online at OSU Available online at OSU Available online at OSU
<b>Soil Science</b> Soil Science Principles of Soil Science Soil Science with Lab Soil Science with Forest Soils Lab	FOR 208 FOR 208	CSS 205 CSS 305 SOIL 205 & 206 SOIL 205 & FOR 206	Available online at OSU
<b>Ecology</b> 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
<b>Mathematics</b> Elementary Functions Calculus for Mgmt, Life, and Social Science Math for Mgmt, Life, and Social Science Differential Calculus	MTH 112 MTH 241 MTH 245 MTH 251	MTH 112 MTH 241 MTH 245 MTH 251	Available online at OSU Available online at OSU Available online at OSU Available online at OSU
<b>Statistics</b> Principles of Statistics Intro to Statistical Methods	MTH 243	ST 201 ST 351	Available online at OSU Available online at OSU
<b>Animal ID</b> Terrestrial Vertebrate ID & Natural History Forest Entomology Systematics of Birds Systematics of Fishes Systematics of Mammals Biology of Insects Herpetology Aquatic Entomology	FW 212 FW 218	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
<b>Environ. Assessment &amp; Planning</b> 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		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



<b>NR Core Requirements</b> (continued) <i>Complete one course per category</i>	<b>COCC Course</b>	<b>OSU Course</b>	<b>Notes</b>
<b>Wildlife Management</b> COCC Course: Animal Behavior 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	PSY 227 FW 251	PSY LDT 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
<b>Ethics &amp; Philosophy</b> 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, and 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
<b>Natural Resource Policy</b> Environmental Law Rural Development Economics & Policy Public Lands Policy & Management Forest Policy Natural Resources Policy and Law Fish & Wildlife Law and Policy Introduction to Ocean Law U.S. Energy Policy Environmental Politics and Policy International Environmental Politics & Policy		AEC 432 AEC 454 FES 486 FOR 460 FOR 462 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
<b>Political Issues</b> Plagues, Pests, and Politics Natural Resource Policy and Law 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 FOR 462 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
<b>Economics</b> Intro to Environmental Economics & Policy Intro to Microeconomics	EC 201	AEC 250 ECON 201	Available online at OSU Available online at OSU



## Courses Required for Ecological Restoration Option

<b>Requirement</b> <i>Complete one course per category unless otherwise noted</i>	<b>COCC Course</b>	<b>OSU Course</b>	<b>Notes</b>
<b>Measurements</b> 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
<b>Resource Economics</b> Natural Resources Economics & Policy Environmental Economics & Policy Rural Development Economics & Policy Forest Resource Economics I Economics & Policy of Wildland Fire		AEC 351 AEC/ECON 352 AEC 454 FOR 329 FOR 431	Available online at OSU Available online at OSU  Available online at OSU
Plant Systematics Plant Ecology		BOT 321 BOT 341	Available online at OSU
General Chemistry II with Lab General Chemistry II with Lab (for majors)	CH 105 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 GOEG 452	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
<b>Social &amp; Ethical Considerations</b> 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, and 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
<b>Ecological &amp; NR Electives – 2 classes</b> 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

## 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 COCC courses that fulfill Bacc Core requirements: [admissions.oregonstate.edu/baccalaureate-core-course-equivalencies-central-oregon-community-college](https://admissions.oregonstate.edu/baccalaureate-core-course-equivalencies-central-oregon-community-college)

<b>SKILLS COURSES</b>	Math Writing I Writing II Speech (Writing III) Fitness	Completed as part of major: MTH 112 or higher WR 121. Required to transfer. Can be completed as part of major: see advisor Choose one course from Bacc Core link above HPE 295 @ COCC
<b>PERSPECTIVE COURSES</b>	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: EC 201 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 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](https://visitosu.oregonstate.edu/visit-campus) to schedule your personalized visit.

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