

TRANSFER GUIDE FOR OREGON STATE UNIVERSITY

Major Offered At:

CORVALLIS

ECAMPUS

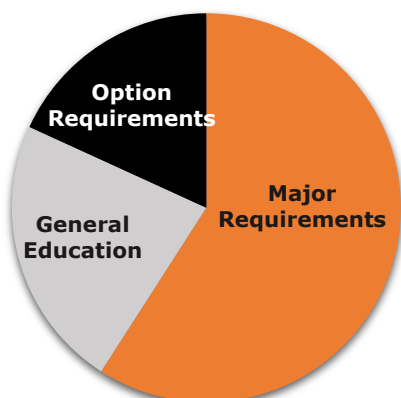
**Southwestern Oregon
Community College**

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

Courses Required for Natural Resources Major

NR Major Requirements	SWOCC Course	OSU Course	Notes
<i>Complete one course per category</i>			
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
Advanced Communication			
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	
Environmental Writing		WR 462	Available online at OSU



**Oregon State
University**

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

[illegible]

Courses Required for Ecological Restoration Option

Requirement <i>Complete one course per category unless otherwise noted</i>	SWOCC Course	OSU Course	Notes
Measurements Field Methods in Ecological Restoration Field Methods in Plant Ecology Precision Agriculture GIS & Forest Engineering Applications Forest Surveying Foundations of Geospatial Science and GIS Geoscience I: GIS & Theory Scientific Methods for Analyzing NR Problems Rangeland Analysis	F 222A GEOG 265	BI 375 BOT 440 CROP/HORT 414 FE 257 FE 208 GEOG 201 GEOG 360 NR 325 RNG 441	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
Resource Economics Natural Resources Economics & Policy Environmental Economics & Policy Intro to Coastal & Marine Resource Econ Forest Resource Economics I Economics & Policy of Wildland Fire		AEC 351 AEC/ECON 352 AEC 353 FOR 329 FOR 431	Available online at OSU Available online at OSU Available online at OSU Available online at OSU Available online at OSU
General Ecology		BI 370	Available online at OSU
Plant Systematics		BOT 321	Available online at OSU
Plant Ecology		BOT 341	Available online at OSU
General Chemistry II with Lab General Chemistry II with Lab (for majors)	CHEM 222Z & 228Z	CH 122 CH 222Z & 228Z	Available online at OSU Available online at OSU
Ecological Restoration		FES/FW 445	Available online at OSU
Wetlands and Riparian Ecology		FW 479	Available online at OSU
Riparian Ecohydrology and Management		RNG 455	Available online at OSU
Land Use Planning for Sus Communities Planning Prin & Pract for Resilient Community Sustainable Site Planning		GEOG 250 GEOG 451 GOEG 452	Available online at OSU 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		FES/HORT 350 FOR 431 NR 312 PHL 440 PHL/REL 443 SOC 480 SOC 481	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 Elective Marine Ecology Intro to Plant Biology Environmental Physiology of plants Tropical Ecology and Conservation Wildland Fire Ecology Wildland Fire Science & Management Biodiversity Cons in Managed Forests Intro to Forestry 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 Vegetation Monitoring & Analysis Soil Landscape Analysis Biodiversity: Causes, Consequences, Conserv Environmental Physiology	F 111	BI 351 BOT 220 BOT 488 ENSC 341 FES 440 FOR 436 FES 452 FOR 111 FOR 441 FW 320 FW 426 FW 451 FW 454 FW 456 FW 458 FW 473 FW 481 RNG 341 RNG 421 RNG 441 SOIL 468 Z 349 Z 423	Available online at OSU 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

FOUNDATIONAL CORE	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
SIGNATURE CORE	Difference, Power, Oppression Foundations	
	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	<i>Cannot be fulfilled by a major requirement</i>
	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 to schedule your personalized visit.

Southwestern Oregon Community College	Tasha L. Davison , Faculty in Forestry & Natural Resources Tasha.L.davison@socc.edu, 541-888-7284
OSU College of Forestry Student Services Office	541-737-1594 forestrystudentservices@oregonstate.edu