

# TRANSFER GUIDE FOR OREGON STATE UNIVERSITY

Major Offered At:

CORVALLIS

ECAMPUS

CASCADES

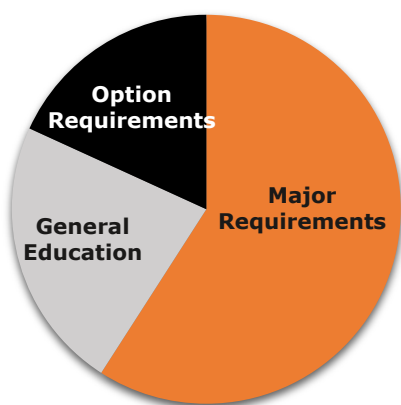
Southwestern Oregon  
Community College

## Natural Resources Major with Policy & Management Option

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

This option prepares students for careers in the broad arena of natural resource and environmental conservation, with an emphasis on the social and political aspects of resource issues.

## 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: forestry.oregonstate.edu/undergraduate-programs/natural-resources/policy-and-management](http://forestry.oregonstate.edu/undergraduate-programs/natural-resources/policy-and-management)

## 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
<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	
Environmental Writing		WR 462	Available online at OSU

<b>NR Major Requirements</b> <i>Complete one course per category</i>	<b>SWOCC Course</b>	<b>OSU Course</b>	<b>Notes</b>
<b>Writing Intensive Course</b> 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
<b>Biology I</b> 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
<b>Biology II</b> 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
<b>Biology III</b> 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
<b>Chemistry</b> 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
<b>Climate Science</b> 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
<b>Land Science</b> 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
<b>Water Science</b> 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
<b>Ecology</b> 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
<b>Mathematics</b> 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

NR Major Requirements <i>Complete one course per category</i>	SWOCC Course	OSU Course	Notes
<b>Statistics</b> Elementary Statistics I Intro to Statistical Methods	STAT 243Z	ST 243Z ST 351	Available online at OSU Available online at OSU
<b>Animal Science</b> Forest Entomology Terrestrial Vertebrate ID and Nat History Principles of Fish & Wildlife Conservation Bio and Conservation of Marine Mammals Ornithology Systematics of Birds Ichthyology Systematics of Fishes Mammalogy Systematics of Mammals Introductory Population Dynamics Applied Community and Ecosystem Ecology Ecology of Marine and Estuarine Birds Herpetofauna Conservation and Management Avian Conservation and Management Fishery Biology Mammal Conservation and Management Marine Conservation Biology Wildlife Ecology Animal Behavior Biology of Insects Herpetology Aquatic Entomology		FES 412 FOR 210 FW 251 FW 302 FW 311 FW 312 FW 315 FW 316 FW 317 FW 318 FW 320 FW 321 FW 331 FW 448 FW 451 FW 454 FW 458 FW 464 FW 481 Z 350 Z 365 Z 473 Z 477	Available online at OSU Available online at OSU
<b>Plant Science</b> Botany: A Human Concern Intro to Plant Biology Plant Systematics Forest Pathology Aquatic Botany Flora of the Pacific Northwest Mycology Forest Biology Dendrology Landscape Plant Mat I: Decid & Coniferous Landscape Plant Mat II: Shrubs Wildland Plant Identification	F 250 F 241	BOT 101 BOT 220 BOT 321 BOT/FOR 413 BOT 416 BOT 425 BOT 461 FES 240 FES 241 HORT 226 HORT 228 RNG 353	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>Aquatic Ecosystems</b> Intro to Marine Biology Oceans in Peril Marine Ecology Mgmt Principles of Pacific Salmon in NW Integrated Watershed Management Coastal Ecology and Resource Management Estuarine Ecology Freshwater Ecology and Conservation Fish Ecology Wetlands and Riparian Ecology Hydrology for Water Resource Management Riparian Ecohydrology and Management	BI 142 subs	BI 150 BI 347 BI 351 FW 323 FW 326 FW 426 FW/OC 434 FW 456 FW 473 FW 479 GEOG 424 RNG 455	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





## Courses Required for Policy & Management Option

[illegible]

Requirement <i>Complete one course per category unless otherwise noted</i>	SWOCC Course	OSU Course	Notes
<b>Conservation &amp; Mgmt of NR (12 credits)</b>			
Managing Organizations		BA 251	Available online at OSU
Field Methods in Plant Ecology		BOT 440	Available online at OSU
Environmental Case Studies		ENSC 321	Available online at OSU
Wildland Fire Ecology		FES 440	Available online at OSU
Urban Forest Planning, Policy, and Mgmt		FES/HORT 455	Available online at OSU
Ecological Restoration		FES 445	Available online at OSU
Topics in Wildland Fire		FOR 346	Available online at OSU
Wildland Fire Science and Management		FOR 436	Available online at OSU
Silviculture Principles		FOR 441	Available online at OSU
Survey of Geographic Information Systems		FW 303	Available online at OSU
Applied Community and Ecosystem Ecology		FW 321	Available online at OSU
Mgmt Principles of Pacific Salmon in NW		FW 323	Available online at OSU
Global Crises in Resource Ecology		FW 325	Available online at OSU
Integrated Watershed Management		FW 326	Available online at OSU
Herpetofauna Conservation & Management		FW 448	Available online at OSU
Avian Conservation & Management		FW 451	Available online at OSU
Mammal Conservation & Management		FW 458	Available online at OSU
Wetlands and Riparian Ecology		FW 479	Available online at OSU
Foundations of Geospatial Science and GIS	GEOG 265	GEOG 201	Available online at OSU
Intro to Water Science and Policy		GEOG 340	Available online at OSU
Hydrology for Water Resource Mgmt		GEOG 424	
Water Resources Management in the US		GEOG 440	
Int'l Water Resource Management		GEOG 441	Available online at OSU
Intro to Non-Profit Management		NMC 311	Available online at OSU
Riparian Ecohydrology and Management		RNG 455	Available online at OSU
Rangeland Management and Planning		RNG 491	Available online at OSU
Parks and Protected Areas Management		TRAL 357	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)

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](https://visitosu.oregonstate.edu/visit-campus) to schedule your personalized visit.

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