

# TRANSFER GUIDE FOR OREGON STATE UNIVERSITY

Major Offered At:

CORVALLIS

ECAMPUS

CASCADES

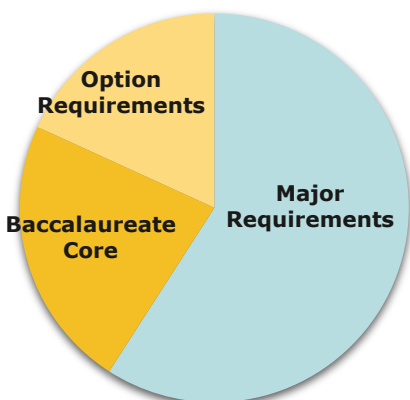
Rogue  
Community College

## Natural Resources Major with Fish & Wildlife Conservation Option

Natural Resources students are passionate about the world around them. They collaborate to preserve and protect the natural world for future generations. Completing this option prepares students for careers in natural resource and wildlife conservation.

It emphasizes understanding the relationship between animal species and their habitat requirements and ability to apply that knowledge to the management of ecosystems as a means of conserving fish and wildlife.

## 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/fish-and-wildlife-conservation](http://moreinfoatforestry.oregonstate.edu/undergraduate-programs/natural-resources/fish-and-wildlife-conservation)

## Courses Required for Natural Resources Major

NR Core Requirements	RCC 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	SP 115	COMM 321	Available online at OSU
Small Group Problem Solving		COMM 322	
Communication in Organizations		COMM 324	
Intercultural Communication		COMM 326	
Non-Verbal Communication		COMM 328	
Communication and Culture in Cyberspace		COMM 385	
Theories of Conflict and Conflict Management		COMM 440	
Bargaining and Negotiating Processes		COMM 442	
Forest as Classroom		FES 430	
Effective Comm in Fish & Wildlife Sciences		FW 489	
Critical thinking for NR Challenges	WR 227	NR 312	Available online at OSU
Environmental Interpretation		TRAL 493	
Technical Writing		WR 327	
Science Writing		WR 362	
Environmental Writing		WR 462	
Professional Writing	WR 466		
<b>Biology I</b>			
Introduction to Biology I	BI 211	BI 204	Available online at OSU
Principles of Biology: Cells		BI 221	
<b>Biology II</b>			
Introduction to Biology II	BI 213	BI 205	Available online at OSU
Principles of Biology: Organisms		BI 222	

<b>NR Core Requirements</b> (continued) <i>Complete one course per category</i>	<b>RCC Course</b>	<b>OSU Course</b>	<b>Notes</b>
<b>Biology III</b> Introduction to Biology III Principles of Biology: Populations	BI 212	BI 206 BI 223	Available online at OSU
<b>Chemistry</b> General Chemistry I with Lab General Chemistry (Majors) I with Lab	CHEM 104 CHEM 221	CH 121 CH 231 & 261	Available online at OSU Available online at OSU
<b>Climate Science</b> 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
<b>Earth or Soil Science</b> Soil Science Principles of Soil Science The Solid Earth Physical Geology Earth Systems Science Environmental Geology Physical Geography Soil Science with Lab Soil Science with Forest Soils Lab	G 101 G 102	CSS 205 CSS 305 GEO 101 GEO 201 GEO 202 GEO 221 GEOG 102 SOIL 205 & 206 SOIL 205 & FOR 206	Available online at OSU Available online at OSU Available online at OSU 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 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		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 Scientific Methods for Analyzing NR Problems Wildland restoration and Ecology Habitat Analysis I Rangeland Management and Planning Sustainability Assessment Sustainable Communities Planning for Sustainable Recreation Planning for Sustainable Tourism		FES/FW 445 FW 462 GEOG 250 GEOG 450 GEOG 451 GEOG 452 NR 325 RNG 421 RNG 457 RNG 490 SUS 304 SUS 350 TRAL 456 TRAL 457	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>	RCC Course	OSU Course	Notes
<b>Fish &amp; Marine Sciences</b> Intro to Marine Biology Biology of Marine Mammals Oceans in Peril Marine Ecology Intro to Population Dynamics Mgmt Principles of Pacific Salmon in the NW Coastal Ecology and Resource Management Fishery Biology Marine Fisheries Fish Ecology Wildlife Ecology Oceanography Coastal Oceanography	BI 109            GS 108	BI 150 FW 302 BI 347 BI 351 FW 320 FW 323 FW 426 FW 454 FW 465 FW 473 FW 481 OC 201 OC 332	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>Forestry</b> International Forestry Forest Biology Forest Ecology Forest Types of the Northwest Urban Forestry Wildland Fire Ecology Ecological Restoration Biodiversity Conservation in Managed Forests Agroforestry Topics in Wildland Fire Silviculture Principles		FE/FOR 456 FES 240 FES 341 FES 342 FES/HORT 350 FES 440 FES/FW 445 FES/FW 452 FES/NR 477 FOR 346 FOR 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 Available online at OSU Available online at OSU
<b>Land &amp; Water</b> Watershed Processes Forest Watershed Management Integrated Watershed Management Freshwater Ecology and Conservation Wetlands and Riparian Ecology Minerals, Energy, Water and the Environment National Park Geology and Preservation Global Change and Earth Sciences Introduction to Water Science & Policy Water Resources Management in the U.S. International Water Resource Management Desert Water Shed Management Riparian Ecohydrology and Management Ecosystems of Wildland Soils Soil Systems and Plant Growth World Soil Resources Soil Morphology and Classification		FE 430 FE 434 FW 326 FW 456 FW 479 GEO 306 GEO 307 GEO 308 GEOG 340 GEOG 440 GEOG 441 RNG 355 RNG 455 SOIL 366 SOIL 388 SOIL 395 SOIL 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 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>Range</b> Wildland Fire Ecology Ecological Restoration Topics in Wildland Fire Rangeland Ecology and Management Range Ecology I – Grasslands Range Ecology II – Shrub Lands Wildland Restoration and Ecology Rangeland Analysis Rangeland-Animal Relations Rangeland Management and Planning		FES 440 FES/FW 445 FOR 346 RNG 341 RNG 351 RNG 352 RNG 421 RNG 441 RNG 442 RNG 490	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>Vegetation ID</b> Plant Systematics Agrostology Flora of the Pacific Northwest Dendrology Landscape Plant Materials I: Decid & Conifers Landscape Plant Materials II: Shrubs Wildland Plant Identification		BOT 321 BOT 414 BOT 425 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

<b>NR Core Requirements</b> (continued) <i>Complete one course per category</i>	<b>RCC Course</b>	<b>OSU Course</b>	<b>Notes</b>
<b>Wildlife Management</b> 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 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
<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 & 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 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	ECON 201	AEC 250 ECON 201	Available online at OSU Available online at OSU

<b>NR Core Requirements</b> (continued) <i>Complete one course per category</i>	<b>RCC Course</b>	<b>OSU Course</b>	<b>Notes</b>
<b>Spatial Analysis</b> RCC Course: Geographical Info Systems Precision Agriculture GIS and Forest Engineering Applications Survey of Geographic Information Systems Foundations of Geospatial Science & GIS Geoscience I: GIS and Theory	CT 115	GEO LDT 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 Fish & Wildlife Conservation Option

<b>Requirement</b> <i>Complete one course per category unless otherwise noted.</i>	<b>RCC Course</b>	<b>OSU Course</b>	<b>Notes</b>
<b>Measurements</b> Field Methods in Marine Ecology Field Methods in Ecological Restoration Field Sampling of Fish & Wildlife Field Methods for Marine Research Scientific Methods for Analyzing NR Problems Rangeland Analysis		BI 373 BI 375 FW 255 FW 493 NR 325 RNG 441	Available online at OSU Available online at OSU
Forest Types of the Northwest Introduction to Forestry		FES 342 FOR 111	Available online at OSU
Wildland Fire Ecology Topics in Wildland Fire Wildland Fire Science and Management		FES 440 FOR 346 FOR 436	Available online at OSU Available online at OSU Available online at OSU
Biodiversity Conservation in Managed Forests Conservation Genetics		FES/FW 452 FW 370	Available online at OSU Available online at OSU
Principles of Fish & Wildlife Conservation		FW 251	Available online at OSU
<b>Fish &amp; Wildlife Biology – complete 3</b> Biology of Marine Mammals Ornithology Ichthyology Mammalogy Introductory Population Dynamics Applied Community and Ecosystem Ecology Ecology of Marine and Estuarine Birds Fish Ecology Wildlife Ecology Environmental Physiology Herpetology		FW 302 FW 311 FW 315 FW 317 FW 320 FW 321 FW 331 FW 473 FW 481 Z 423 Z 473	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 RCC courses that fulfill Bacc Core requirements: [admissions.oregonstate.edu/baccalaureate-core-course-equivalencies-rogue-community-college](https://admissions.oregonstate.edu/baccalaureate-core-course-equivalencies-rogue-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 @ RCC
<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: ECON 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.

<b>Rogue Community College</b>	Pam Green <a href="mailto:pgreen@roquecc.edu">pgreen@roquecc.edu</a>
<b>OSU College of Forestry Prospective Student Advisor</b>	Autumn VanderLinden 541-737-9135 <a href="mailto:Autumn.VanderLinden@oregonstate.edu">Autumn.VanderLinden@oregonstate.edu</a>