

TRANSFER GUIDE FOR OREGON STATE UNIVERSITY

Major Offered At:

CORVALLIS

ECAMPUS

CASCADES

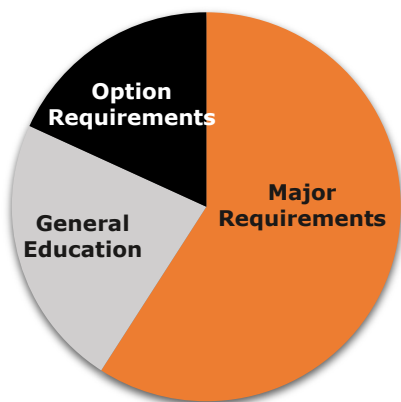
Central Oregon
Community College

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 <i>Complete one course per category</i>	COCC Course	OSU Course	Notes
Managing Nat Res for the Future		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 Social Media Advocacy in Ag Sci & Nat Res Risk & Crisis Communication in Ag Sci & NR Small Group Communication Intercultural Communication Communication in Organizations Non-Verbal Communication Communication in Cyberspace Theories of Conflict and Conflict Management Bargaining and Negotiating Processes Environmental Case Studies Forest as Classroom Maps, Media and Communication Effective Comm of Environmental Change Sci Critical thinking for NR Challenges Environmental Interpretation Technical Writing Advanced Writing & Argumentation Science Writing Writing for the Natural Sciences Environmental Writing	WR 227Z	AG 351 AG 445 AG 455 COMM 222 COMM 226 COMM 324 COMM 328 COMM 385 COMM 440 COMM 442 ENSC 321 FES 430 GEOG 202 GEOG 453 NR 312 TRAL 493 WR 227Z WR 323 WR 362 WR 375 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 Available online at OSU Available online at OSU Available online at OSU

NR Core Requirements <i>Complete one course per category</i>	COCC 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 103 BI 221	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 101 BI 222	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 102 BI 223	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	 CH 221Z & 227Z	CH 121 CH 221Z & 227Z	Available online at OSU Available online at OSU
Climate Science COCC Course: Weather & Climate Climate Science Snow, Smoke and Storms: Climate in PNW Climatology Intro to Climate Change	GEOG 279 SUS 103	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 100 G 201 G 202 FOR 208	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 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	 GS 108	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 245 MTH 251	MTH 112Z MTH 241 MTH 245 MTH 251Z	Available online at OSU Available online at OSU Available online at OSU Available online at OSU

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Courses Required for Fish & Wildlife Conservation Option

Requirement <i>Complete one course per category unless otherwise noted.</i>	COCC Course	OSU Course	Notes
Measurements COCC Course: Resource Measurements Field Methods in Ecological Restoration Field Sampling of Fish & Wildlife Foundations of Geospatial Science and GIS Geoscience I: GIS & Theory Quant Geospatial Analysis & Modeling Scientific Methods for Analyzing NR Problems Vegetation Monitoring & Analysis	FOR 235 GEOG 101 GEOG 266	FOR LDT BI 375 FW 255 GEOG 201 GEOG 360 GEOG 361 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
General Ecology Applied Community and Ecosystem Ecology		BI 370 FW 321	Available online at OSU Available online at OSU
Wildland Fire Ecology Topics in Wildland Fire Wildland Fire Science and Management	FOR 110 & 210	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	FW 251	Available online at OSU
Fish & Wildlife Biology – complete 3 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
Habitat Management – complete 2 Ecological Restoration Integrated Watershed Management Coastal Ecology and Resource Management Estuarine Ecology Freshwater Ecology and Conservation Wetlands and Riparian Ecology Rangeland Ecology and Management Riparian Ecohydrology and Management Ecosystems of Wildland Soils Soil Systems and Plant Growth Soil Morphology and Classification		FES/FW 445 FW 326 FW 426 FW/OC 434 FW 456 FW 479 RNG 341 RNG 455 SOIL 366 SOIL 388 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
Natural Resource Policy Public Land Policy and Management Endangered Species, Soc and Sustainability Fisheries and Wildlife Law and Policy		FES 486 FW 350 FW 415	Available online at OSU Available online at OSU Available online at OSU
Elective (choose one) Intro to Plant Pathology Plant Systematics Fungi in Society Plant Ecology Mycology Environmental Case Studies Mgmt Principles of Pacific Salmon in NW Environmental Contaminants in F&W Environmental Physiology of Fishes Natural History of Whales and Whaling Aquatic Biological Invasions Herpetofauna Conservation and Management Principles of Wildlife Disease Avian Conservation and Management Fishery Biology Ecosystems Services Antarctic Science and Conservation Phys and Behavior of Marine Megafauna		BOT 220 BOT 321 BOT 324 BOT 341 BOT 461 ENSC 321 FW 323 FW 366 FW 371 FW 419 FW 421 FW 427 FW 448 FW 451 FW 454 FW 462 FW 467 FW 469	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

Early Life History Fishes	FW 474	Available online at OSU
Wildlife Behavior	FW 475	Available online at OSU
Fish Physiology	FW 476	Available online at OSU
Aquaculture	FW 497	
Aquaculture Laboratory	FW 498	
Scientific Methods for Analyzing NR Problems	NR 325	Available online at OSU
Biological Oceanography	OC 340	
Habitat Analysis I	RNG 457	
Animal Behavior	Z 350	Available online at OSU
Biology of Insects	Z 365	Available online at OSU
Aquatic Entomology	Z 477	

General Education Courses (called Core Ed)

- Complete one course in each category.
- Full listing of COCC courses that fulfill Core Ed requirements: admissions.oregonstate.edu/core-education-course-articulations-central-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: EC 201Z
	Scientific Inquiry & Analysis	Fulfilled by major: Biology
	Scientific Inquiry & Analysis	Fulfilled by major: Chemistry
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.

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OSU College of Forestry Student Services Office	541-737-1594 forestrystudentservices@oregonstate.edu