

TRANSFER GUIDE FOR OREGON STATE UNIVERSITY

Major Offered At:

CORVALLIS

ECAMPUS

CASCADES

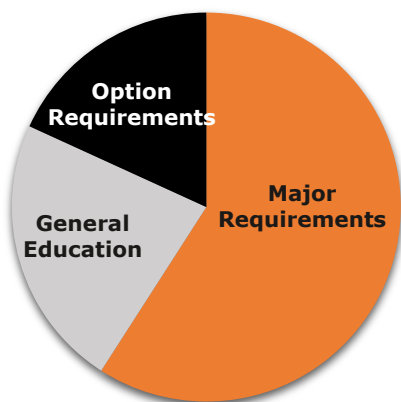
**Linn-Benton
Community College**

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	LBCC Course	OSU Course	Notes
<i>Complete one course per category</i>			
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		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	Available online at OSU
Environmental Writing		WR 462	Available online at OSU

NR Core Requirements <i>Complete one course per category</i>	LBCC 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	CH 121 CH 221Z & 227Z	CH 121 CH 221Z & 227Z	Available online at OSU Available online at OSU
Climate Science Climate Science Snow, Smoke and Storms: Climate in PNW Climatology Intro to Climate Change		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 101 G 201 G 202 G 102 CSS 205	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 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 Core Requirements <i>Complete one course per category</i>	LBCC Course	OSU Course	Notes
Statistics Elementary Statistics I Intro to Statistical Methods	STAT 243Z	ST 243Z ST 351	Available online at OSU Available online at OSU
Animal Science 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	FW 251	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
Plant Science 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	HORT 226 HORT 228	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
Aquatic Ecosystems 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 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

NR Core Requirements	LBCC Course	OSU Course	Notes
<i>Complete one course per category</i>			
Terrestrial Ecosystems			
Forest Biology		FES 240	Available online at OSU
Forest Ecology		FES 341	Available online at OSU
Forest Types of the Northwest		FES 342	Available online at OSU
Urban Forestry		FES/HORT 350	Available online at OSU
Wildland Fire Ecology		FES 440	Available online at OSU
Ecological Restoration		FES 445	Available online at OSU
Biodiversity Conservation in Managed Forests		FES 452	Available online at OSU
Intro to Forestry		FOR 111	Available online at OSU
Topics in Wildland Fire		FOR 346	Available online at OSU
Silviculture Principles		FOR 441	Available online at OSU
Intro to Wildland Ecology		RNG 121	Available online at OSU
Rangeland Ecology and Management		RNG 341	Available online at OSU
Ecology of Grassland Ecosystems		RNG 351	Available online at OSU
Ecology of Shrubland Ecosystems		RNG 352	
Rangeland Restoration and Ecology		RNG 421	Available online at OSU
Vegetation Monitoring and Analysis		RNG 441	Available online at OSU
Rangeland-Animal Relations		RNG 442	
Ecosystems of Wildland Soils		SOIL 366	Available online at OSU
Soil Systems and Plant Growth		SOIL 388	Available online at OSU
World Soil Resources		SOIL 395	Available online at OSU
Soil Morphology and Classification		SOIL 466	
Environ. Assessment & Planning			
Agriculture & Environmental Predicaments		CROP/SOIL/SUS 325	
Ecological Restoration		FES 445	Available online at OSU
Urban Forestry Plannin, Policy, and Mgmt		FES/HORT 455	Available online at OSU
Ecosystems Services		FW 462	Available online at OSU
Land Use Planning for Sust. Communities		GEOG 250	Available online at OSU
Planning Principles for Resilient Communities		GEOG 451	Available online at OSU
Sustainable Site Planning		GEOG 452	Available online at OSU
Scientific Methods for Analyzing NR Problems		NR 325	Available online at OSU
Wildland restoration and Ecology		RNG 421	Available online at OSU
Habitat Analysis I		RNG 457	Available online at OSU
Rangeland Management and Planning		RNG 491	Available online at OSU
Sustainability Assessment		SUS 304	Available online at OSU
Sustainable Communities		SUS 350	Available online at OSU
Planning for Sustainable Recreation		TRAL 456	Available online at OSU
Planning for Sustainable Tourism		TRAL 457	Available online at OSU
Evaluating Sus through Life Cycle Analysis		WSE 385	Available online at OSU
Difference/Power/Oppression Advanced			
Indigenous Agriculture and Subsistence		AG 311	Available online at OSU
Anthro of Difference, Power, and Oppression		ANTH 411	
Environmental Justice		ENSC/GEOG 333	Available online at OSU
Power and Justice in US Nat Res Management		FW 340	Available online at OSU
Sustainability, Justice, and Engagement		SUS 331	Available online at OSU
Nat Resource Politics & Policy (choose 2)			
Environmental Law		AEC 432	Available online at OSU
Contemporary Native Issues		ANTH 472	Available online at OSU
Plagues, Pests, and Politics		ENT 300/HORT 330	Available online at OSU
Native American Law: Tribes, Treaties & US		ES 444	Available online at OSU
Forest Policy & Regulation		FE/FOR 463	
Public Lands Policy & Management		FES 486	Available online at OSU
Forest Policy & Regulation		FOR 461	
Endangered Species, Soc, and Sustainability		FW 350	Available online at OSU
Fish & Wildlife Law and Policy		FW 415	Available online at OSU
Introduction to Ocean Law		FW 422	
Conflict, Cooperation, and Control of Water		GEOG 440	
The World's Water		GEOG 441	Available online at OSU
Public Policy Problems		PPOL/PS 371	Available online at OSU
Policy and Law of US Coastal Governance		PPOL 446	Available online at OSU
Integrated Policy: Food, Energy, Water, Clim		PPOL 447	Available online at OSU
Marine Policy in the United States		PPOL 448	Available online at OSU
The Politics of Climate Change		PS 455	
U.S. Energy Policy		PS 473	Available online at OSU
Environmental Politics and Policy		PS 475	Available online at OSU
International Environmental Politics & Policy		PS 477	Available online at OSU

Courses Required for Fish & Wildlife Conservation Option

Requirement <i>Complete one course per category unless otherwise noted.</i>	LBCC Course	OSU Course	Notes
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		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		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
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

General Education Courses (called Core Ed)

- | articulations with Benton 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 |

Linn-Benton Community College	541-917-4780 advisingcenter@linnbenton.edu
OSU College of Forestry Student Services Office	541-737-1594 forestrystudentservices@oregonstate.edu