

# TRANSFER GUIDE FOR OREGON STATE UNIVERSITY

Major Offered At:

CORVALLIS

ECAMPUS

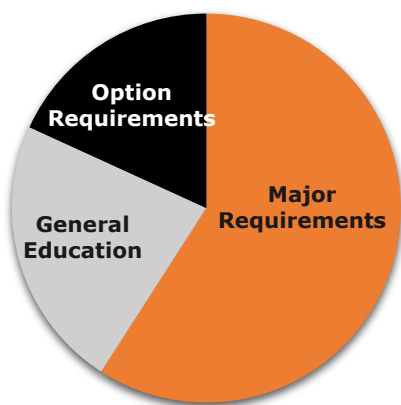
Portland  
Community College

## Natural Resources Major with NR Education 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 as natural resource educators. Students may choose to focus on teaching in informal settings like interpretive centers, aquariums, museums, or parks or a career in formal education in a K-12 classroom.

## 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/natural-resource-education](http://forestry.oregonstate.edu/undergraduate-programs/natural-resources/natural-resource-education)

## Courses Required for Natural Resources Major

NR Major Requirements	PCC Course	OSU Course	Notes
<i>Complete one course per category</i>			
Managing Nat Res for the Future	ESR 204	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 215	COMM 222	
Intercultural Communication	COMM 140	COMM 226	Available online at OSU
Communication in Organizations		COMM 324	
Non-Verbal Communication	COMM 227	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	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>PCC 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 103  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 101  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	 CH 221Z & 227Z	CH 121 CH 221Z & 227Z	Available online at OSU Available online at OSU
<b>Climate Science</b> PCC Course: Climate Change & Human Syst. Climate Science Snow, Smoke and Storms: Climate in PNW Climatology Intro to Climate Change	G 209 G 184	GEO 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	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> 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
<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 245 MTH 251Z	MTH 112Z MTH 241  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 Natural Resource Education Option

<b>Requirement</b> <i>Complete one course per category unless otherwise noted</i>	<b>PCC Course</b>	<b>OSU Course</b>	<b>Notes</b>
<b>Measurements</b>			
Research Methods in Social Science		FES 422	Available online at OSU
Introduction to Forestry		FOR 111	Available online at OSU
Forest Types of the Northwest		FES 342	Available online at OSU
Principles of Fish & Wildlife Conservation	BI 145	FW 251	Available online at OSU
Environmental Interpretation		TRAL 493	Available online at OSU
Purp, Struct, and Function of Ed in Democracy		ED 216	Available online at OSU
Civil Rights and Multicult. Issues in Education	ED 259	ED 219	Available online at OSU
Learning Across the Lifespan		ED 253	Available online at OSU
Forest as Classroom		FES 430	Available online at OSU
Inquiry in Science and Science Education		SED 413	Available online at OSU
<b>Electives – choose at least 10 credits</b>			
PCC Course: Outdoor School Leadership	ED 208	FOR LDT	
Intro to Agricultural Education		AED 235	Available online at OSU
Planning and Delivering Non-Formal Ag Ed		AEC 325	
Intro to Adult Learning		AHE 440	Available online at OSU
Instructional Methods for Adult Learning		AHE 445	
Purp, Struct, and Function of Ed in Democracy		ED 216	Available online at OSU
Civil Rights and Multicult. Issues in Education		ED 219	Available online at OSU
Field Practicum		ED 309	Available online at OSU
Trauma Informed Care in Education	ED 259	ED 325	
Educational Psychology, Learning and Develop		ED 411	Available online at OSU
Learning Styles and Needs in Adolescence		ED 412	Available online at OSU
Classroom Management		ED 420	Available online at OSU
Strategies for Teaching Wellness and Fine Art		ED 458	Available online at OSU
Foundations of ESOL Education		ED 472	Available online at OSU
Intro to Marine Biology		BI 150	
Human Impacts on Ecosystems	BI 142	BI 301	
Biodiv Convsvation in Managed Forests		FES/FW 452	Available online at OSU
Biology and Conservation of Marine Mammals		FW 302	Available online at OSU
Food from the Sea		FW 324	Available online at OSU
Coastal Ecology and Resource Management		FW 426	Available online at OSU
Herpetofauna Conservation & Management		FW 448	Available online at OSU
Avian Conservation and Management		FW 451	Available online at OSU
Mammal Conservation and Management		FW 458	Available online at OSU
Marine Conservation Biology		FW 464	
Earth Systems Science		GEO 202	
Evolution of Planet Earth		GEO 203	
National Park Geology and Preservation	G 203	GEO 307	Available online at OSU
Multicultural Leadership		LEAD 252	Available online at OSU
Team & Organizational Leadership		LEAD 262	
Foundations of Adventure Leadership		LEAD 430	
Backcountry Leadership		LEAD 432	Available online at OSU
Nature in Storytelling Over the Centuries		NR 380	Available online at OSU
Sustainable Living: Practices and Policies		PS 374	Available online at OSU
Rangeland Ecology and Management		RNG 341	Available online at OSU
Wildland Restoration and Ecology		RNG 421	Available online at OSU
Riparian Ecohydrology and Management		RNG 455	Available online at OSU
Inclusion & Belonging in Outdoor Recreation		TRAL 242	
Recreation Resource Management		TRAL 251	Available online at OSU
Outdoor Recreation on Public Lands		TRAL 351	Available online at OSU
Parks & Protected Areas Management		TRAL 357	Available online at OSU
Biodiv: Causes, Consequences, Conservation		Z 349	Available online at OSU

## General Education Courses (called Core Education)

- Complete one course in each category.
- Full listing of PCC courses that fulfill Core Ed requirements: [admissions.oregonstate.edu/course-articulations-portland-community-college](https://admissions.oregonstate.edu/course-articulations-portland-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	Cannot be fulfilled by a major requirement
	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.

Portland Community College	General Academic Advising 971-722-8888 Option 1 <a href="mailto:advising@pcc.edu">advising@pcc.edu</a>
OSU College of Forestry Student Services	Forestry Student Services 541-737-1594 <a href="mailto:forestrystudentservices@oregonstate.edu">forestrystudentservices@oregonstate.edu</a>