#### TRANSFER GUIDE FOR OREGON STATE UNIVERSITY

#### **Major Offered At:**

**CORVALLIS** 

**ECAMPUS** 

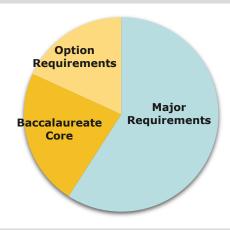
# Portland Community College

#### **Natural Resources Major with Urban Forest Landscapes Option**

Natural Resources students are passionate about the world around them. They collaborate to preserve and protect the natural world for future generations. Urban Forest Landscapes students will understand the complexities surrounding the culture and

management of urban forest ecosystems. This includes examination of economic, social, and environmental benefits and values of trees in urban areas, and the relationship between people and trees.

### 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/undergraduateprograms/natural-resources/urban-forest-landscapes

# **Courses Required for Natural Resources Major**

NR Core Requirements	PCC Course	OSU Course	Notes
Complete one course per category	PCC Course	OSO Course	Notes
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
Advanced Communication			
Intro to Communication Theory		COMM 321	
Small Group Problem Solving	COMM 215	COMM 322	
Communication in Organizations		COMM 324	
Intercultural Communication	COMM 140	COMM 326	
Non-Verbal Communication		COMM 328	Available online at OSU
Communication and Culture in Cyberspace		COMM 385	Available online at OSU
Theories of Conflict and Conflict Management		COMM 440	
Bargaining and Negotiating Processes		COMM 442	
Forest as Classroom		FES 430	Available online at OSU
Effective Comm in Fish & Wildlife Sciences		FW 489	Available online at OSU
Critical thinking for NR Challenges		NR 312	
Environmental Interpretation		TRAL 493	Available online at OSU
Technical Writing	WR 227	WR 327	Available online at OSU
Science Writing		WR 362	Available online at OSU
Environmental Writing		WR 462	
Professional Writing		WR 466	
Biology I			
Introduction to Biology I		BI 204	Available online at OSU
Principles of Biology: Cells	BI 211	BI 221	



NR Core Requirements (continued) Complete one course per category	PCC Course	OSU Course	Notes
Biology II			
Introduction to Biology II		BI 205	Available online at OSU
Principles of Biology: Organisms	BI 213	BI 222	7.1.4.1.4.5.1.5.1.1.1.5.4.5.5.5
Biology III			
Introduction to Biology III		BI 206	Available online at OSU
Principles of Biology: Populations	BI 212	BI 223	
Chemistry			
General Chemistry I with Lab		CH 121	Available online at OSU
General Chemistry (Majors) I with Lab	CH 221	CH 231 & 261	Available online at OSU
Climate Science			
Climate Science	G 184	ATS 201	Available online at OSU
Global Change Biology		FW 345	
Climatology		GEOG 323	Available online at OSU
Intro to Climate Change		SUS 103	Available online at OSU
Earth or Soil Science			
Soil Science		CSS 205	Available online at OSU
Principles of Soil Science		CSS 305	
The Solid Earth	GS 106	GEO 101	Available online at OSU
Physical Geology	G 201	GEO 201	
Earth Systems Science	G 202	GEO 202	A
Environmental Geology		GEO 221	Available online at OSU
Physical Geography	666 200	GEOG 102	Available online at OSU
Soil Science with Lab	CSS 200	SOIL 205 & 206	
Soil Science with Forest Soils Lab		SOIL 205 & FOR 206	
Ecology		DI 254	A sileta selle e a cocci
Marine Ecology		BI 351	Available online at OSU
General Ecology		BI 370 BOT 341	Available online at OSU Available online at OSU
Plant Ecology Forest Ecology		FES 341	Available online at OSU
Mathematics		FLS 341	Available offilite at 050
Elementary Functions	MTH 112	MTH 112	Available online at OSU
Calculus for Mgmt, Life, and Social Science	MTH 241	MTH 241	Available online at OSU
Math for Mgmt, Life, and Social Science		MTH 245	Available online at OSU
Differential Calculus	MTH 251	MTH 251	Available online at OSU
Statistics			
Principles of Statistics	MTH 243	ST 201	Available online at OSU
Intro to Statistical Methods		ST 351	Available online at OSU
Animal ID			
Terrestrial Vertebrate ID & Natural History		FOR 210	
Forest Entomology		FES 412	
Systematics of Birds		FW 312	Available online at OSU
Systematics of Fishes		FW 316	Available online at OSU
Systematics of Mammals		FW 318	Available online at OSU
Biology of Insects		Z 365	
Herpetology		Z 473	Available online at OSU
Aquatic Entomology		Z 477	
Environ. Assessment & Planning		FFC /FIN 44F	A
Ecological Restoration		FES/FW 445	Available online at OSU
Ecosystems Services		FW 462	Available online at OSU
Land Use Planning for Sust. Communities Land Use in the American West		GEOG 250 GEOG 450	Available online at OSU
Planning Principles for Resilient Communities		GEOG 450 GEOG 451	
Sustainable Site Planning		GEOG 451 GEOG 452	Available online at OSU
Scientific Methods for Analyzing NR Problems		NR 325	Available offille at 030
Wildland restoration and Ecology		RNG 421	Available online at OSU
Habitat Analysis I		RNG 457	Available online at OSU
Rangeland Management and Planning		RNG 490	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	Transfer of mile de 000
Planning for Sustainable Tourism		TRAL 457	

NR Core Requirements (continued) Complete one course per category	PCC Course	OSU Course	Notes
Fish & Marine Sciences 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	BI 142	BI 150 FW 302 BI 347 BI 351 FW 320 FW 323 FW 426 FW 454 FW 465 FW 473 FW 481	Available online at OSU
Oceanography	GS 108	OC 201	Available online at OSU
Coastal Oceanography  Forestry International Forestry Forest Biology Forest Ecology Forest Types of the Northwest Wildland Fire Ecology Ecological Restoration Biodiversity Conservation in Managed Forests Agroforestry Topics in Wildland Fire	BI 141	FE/FOR 456 FES 240 FES 341 FES 342 FES 440 FES/FW 445 FES/FW 452 FES/NR 477 FOR 346	Available online at OSU
Silviculture Principles		FOR 441	
Land & Water Fresh Water Biology 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 Range	BI 143	BI LDT 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
Wildland Fire Ecology 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  Vegetation ID Plant Systematics Agrostology Flora of the Pacific Northwest Dendrology		FES 440 FOR 346 RNG 341 RNG 351 RNG 352 RNG 421 RNG 441 RNG 442 RNG 4490  BOT 321 BOT 414 BOT 425 FES 241	Available online at OSU
Landscape Plant Materials I: Decid & Conifers Landscape Plant Materials II: Shrubs Wildland Plant Identification	HOR 226 HOR 228	HORT 226 HORT 228 RNG 353	Available online at OSU Available online at OSU Available online at OSU

NR Core Requirements (continued)	PCC Course	0011.0	<b>N C</b>
Complete one course per category		OSU Course	Notes
Wildlife Management			
Principles of Fish & Wildlife Conservation	BI 145	FW 251	Available online at OSU
Introductory Population Dynamics		FW 320	Available online at OSU
Applied Community and Ecosystem Ecology		FW 321	Available online at OSU
Wildlife in Agricultural Ecosystems		FW 435	Available online at OSU
Avian Conservation and Management		FW 451	Available online at OSU
Biodiversity Conservation in Managed Forests		FES/FW 452	Available online at OSU
Mammal Conservation and Management		FW 458	Available online at OSU
Wildlife Ecology		FW 481	Available online at OSU
Animal Behavior		Z 350	Available online at OSU
Ethics & Philosophy		2 330	Available offine at 050
Ecosystems Science of the PNW Indians		AG 301	Available online at OSU
Anthropology, Health, and the Environment		ANTH 352	Available online at OSU
Ecological Anthropology		ANTH 477	Available online at OSU
Natural Resources and Community Values		ANTH 481	Available online at OSU
Anthropology of International Development		ANTH 482	Available offillie at 030
Multicultural Perspectives in NR		FW 340	Available online at OSU
Transforming Environmental Conflicts		GEOG 241	Available online at OSU
Environmental Justice		GEOG 241	Available online at OSU
Environmental History of the United States		HST 481	Available online at OSU
Critical Thinking for NR Challenges		NR 312	Available enline at OCH
Nature in Storytelling over the Centuries		NR 380	Available online at OSU
Environmental Ethics		PHL 440	Available online at OSU
World View and Environmental Values		PHL/REL 443	Available online at OSU
Sustainability, Justice & Engagement		SUS 331	Available online at OSU
Natural Resource Policy		AEC 433	A: In-blancation and OCU
Environmental Law		AEC 432	Available online at OSU
Rural Development Economics & Policy		AEC 454	Available online at OSU
Public Lands Policy & Management		FES 486	Available online at OSU
Forest Policy		FOR 460	
Natural Resources Policy and Law		FOR 462	
Fish & Wildlife Law and Policy		FW 415	Available online at OSU
Introduction to Ocean Law		FW 422	Available online at OSU
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
Political Issues			
Plagues, Pests, and Politics		ENT/HORT 300	Available online at OSU
Natural Resource Policy and Law		FOR 462	
Endangered Spec, Society and Sustainability		FW 350	Available online at OSU
When Science Escapes the Lab		NR 351	
The Politics of Climate Change		PS 455	Available online at OSU
Environmental Politics and Policy		PS 475	Available online at OSU
Science and Politics		PS 476	Available online at OSU
International Environmental Politics & Policy		PS 477	Available online at OSU
Wilderness Management		TRAL 352	Available online at OSU
Economics			
Intro to Environmental Economics & Policy		AEC 250	Available online at OSU
Intro to Microeconomics	EC 201	ECON 201	Available online at OSU

NR Core Requirements (continued) Complete one course per category	PCC Course	OSU Course	Notes
Social Issues			
Human Impacts on Ecosystems		BI 301	
Human Ecology		BI 348	
Issues in Natural Resource Conservation		FES 365	Available online at OSU
Global Crises in Resource Ecology		FW 325	Available online at OSU
Sustainability for the Common Good		GEOG 300	Available online at OSU
Climate Change, Water and Society		GEOG 240	
Transforming Environmental Conflicts		GEOG 241	
Resilience-Based Natural Resource Mgmt		GEOG 430	
Global Resource Development		GEOG 431	
When Science Escapes the Lab		NR 351	
Oceans, Coasts & People		OC 333	Available online at OSU
Social Dimensions of Sustainability		SOC 381	Available online at OSU
Rural Sociology		SOC 475	
Environmental Sociology		SOC 480	Available online at OSU
Society and Natural Resources		SOC 481	Available online at OSU
Social Dimensions of Sustainability		SUS 420	Available online at OSU
Recreation Resource Management		TRAL 251	Available online at OSU
Outdoor Recreation on Public Lands		TRAL 351	
Wilderness Management		TRAL 352	Available online at OSU
Nature, Eco, and Adventure Tourism		TRAL 353	
Communities, Natural Areas, and Tourism		TRAL 354	
Parks & Protected Areas		TRAL 357	
Women and Natural Resources		WGSS 440	Available online at OSU
Spatial Analysis			
Precision Agriculture		CROP/HORT 414	Available online at OSU
GIS and Forest Engineering Applications	GEO 264	FE 257	Available online at OSU
Survey of Geographic Information Systems		FW 303	Available online at OSU
Foundations of Geospatial Science & GIS	GEO 264	GEOG 201	Available online at OSU
Geoscience I: GIS and Theory	GEO 265	GEOG 360	Available online at OSU

#### Requirement **PCC Course OSU Course** Notes Complete one course per category Measurements Field Methods in Plant Ecology **BOT 440** Available online at OSU GEO 265 Available online at OSU GeogScience I: GIS Theory **GEOG 360** BOT 341 Plant Ecology Available online at OSU Introductory Plan Physiology **BOT 350** Available online at OSU Forest Entomology FES 412 Forest Pathology FOR 413 Urban Forestry Available online at OSU FES/HORT 350 **Ecological Restoration** FES/FW 445 Available online at OSU Arboriculture FES/HORT 447 Available online at OSU Urban Forest Planning, Policy & Management FES/HORT 455 Available online at OSU **Urban Ecology** FW 418 Available online at OSU **Ecosystem Services** FW 462 Available online at OSU Sustainable Landscapes: Maintenance, **HORT 315** Available online at OSU Conservation, Restoration ANTH 481 Available online at OSU Natural Resources and Community Values

SOC 481

FOR 462

**GEOG 451** 

**GEOG 452** 

PS 475

**Courses Required for Urban Forest Landscapes Option** 

Available online at OSU

Available online at OSU

Available online at OSU

Society and Natural Resources

Sustainable Site Planning

Natural Resource Policy and Law

**Environmental Politics and Policy** 

Plan. Prin. & Pract. For Resilient Communities

## 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 PCC courses that fulfill Bacc Core requirements: admissions.oregonstate.edu/baccalaureate-core-course-

equivalencies-portland-community-college

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	Math	Completed as part of major: MTH 112 or higher
	Writing I	WR 121. Required to transfer.
SKILLS COURSES	Writing II	Can be completed as part of major: see advisor
	Speech (Writing III)	Choose one course from Bacc Core link above
	Fitness	HE 295 and PE 295 @ PCC
	Biological Science	Completed as part of major: Biology I
	Physical Science	Completed as part of major: Chemistry
PERSPECTIVE	Additional Biological or Physical Science	Completed as part of major: Biology II
	Cultural Diversity	Choose one course from Bacc Core link above
COURSES	Literature and the Arts	Choose one course from Bacc Core link above
	Social Processes and Institutions	Completed as part of major: EC 201
	Western Culture	Choose one course from Bacc Core link above
DPD COURSE	Difference, Power, & Discrimination	Can be completed as part of major: see advisor
	Contemporary Global Issues	Upper division course, take through OSU
SYNTHESIS COURSES	Science, Technology, & Society	Upper division course, take through OSU
	Science, recimology, a society	Opper division course, take through 050

#### **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 <u>visitosu.oregonstate.edu/visit-campus</u> to schedule your personalized visit.

Portland Community College	pcc.edu/advising/
OSU College of Forestry Prospective Student Advisor	Autumn VanderLinden 541-737-9135 Autumn.VanderLinden@oregonstate.edu