TRANSFER GUIDE FOR OREGON STATE UNIVERSITY

Major Offered At:

CORVALLIS

ECAMPUS

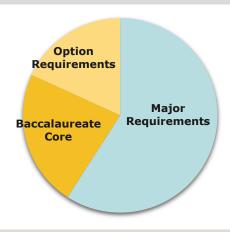
Umpqua Community College

Natural Resources Major with Human Dimensions Option

Natural Resources students are passionate about the world around them. They collaborate to preserve and protect the natural world for future generations. Human Dimensions students will develop an understanding of the interconnectedness of human

behavior and well-being and natural resources. This includes better understanding the cultural, social, political, and philosophical issues related to NR, and prepares students work with various stakeholders in natural resource management.

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.
- forestry.oregonstate.edu/undergraduateprograms/natural-resources/human-dimensions-naturalresources

Courses Required for Natural Resources Major

NR Core Requirements Complete one course per category	UCC Course	OSU Course	Notes
Consensus and Natural Resources		FES 485	Available online at OSU
Managing Nat Res for the Future	FOR/NR 201	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 UCC Course: Enrivon. Dispute Resolution Intro to Communication Theory Small Group Problem Solving	NR 295	FES LDT COMM 321 COMM 322	
Communication in Organizations Intercultural Communication Non-Verbal Communication Communication and Culture in Cyberspace Theories of Conflict and Conflict Management		COMM 324 COMM 326 COMM 328 COMM 385 COMM 440	Available online at OSU Available online at OSU
Bargaining and Negotiating Processes Forest as Classroom Effective Comm in Fish & Wildlife Sciences Critical thinking for NR Challenges		COMM 442 FES 430 FW 489 NR 312	Available online at OSU Available online at OSU Available online at OSU
Environmental Interpretation Technical Writing Science Writing Environmental Writing Professional Writing	WR 227	TRAL 493 WR 327 WR 362 WR 462 WR 466	Available online at OSU Available online at OSU
Biology I General Biology I with Lab Introduction to Biology I Principles of Biology: Cells	BI 101 BI 212	BI 101 BI 204 BI 221	Available online at OSU Available online at OSU



NR Core Requirements (continued) Complete one course per category	UCC Course	OSU Course	Notes
Biology II			
General Biology II with Lab	BI 102	BI 102	Available online at OSU
Introduction to Biology II		BI 205	Available online at OSU
Principles of Biology: Organisms	BI 213	BI 222	
Biology III			
General Biology III with Lab	BI 103	BI 103	Available online at OSU
Introduction to Biology III		BI 206	Available online at OSU
Principles of Biology: Populations	BI 211	BI 223	
Chemistry			
General Chemistry I with Lab	CH 221	CH 121	Available online at OSU
General Chemistry (Majors) I with Lab		CH 231 & 261	Available online at OSU
Climate Science			
Climate Science	ATS 201	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		GEO 101	Available online at OSU
Physical Geology	G 201	GEO 201	
Earth Systems Science	G 202	GEO 202	
Environmental Geology	G 221	GEO 221	Available online at OSU
Physical Geography		GEOG 102	Available online at OSU
Soil Science with Lab	SOIL 205 & SOIL 206	SOIL 205 & 206	
Soil Science with Forest Soils Lab	SOIL 205 & FOR/SOIL 206	SOIL 205 & FOR 206	
Ecology			
Marine Ecology		BI 351	Available online at OSU
General Ecology		BI 370	Available online at OSU
Plant Ecology		BOT 341	Available online at OSU
Forest Ecology		FES 341	Available online at OSU
Mathematics			
Elementary Functions	MTH 112	MTH 112	Available online at OSU
Calculus for Mgmt, Life, and Social Science	MTH 241 or MTH 242	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			
Ecological Restoration		FES/FW 445	Available online at OSU
Ecosystems Services		FW 462	Available online at OSU
Land Use Planning for Sust. Communities		GEOG 250	Available online at OSU
Land Use in the American West		GEOG 450	
Planning Principles for Resilient Communities		GEOG 451	
Sustainable Site Planning		GEOG 452	Available online at OSU
Scientific Methods for Analyzing NR Problems		NR 325	
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
		SUS 350	Available online at OSU
Sustainable Communities		000 000	
Planning for Sustainable Recreation		TRAL 456	

NR Core Requirements (continued) Complete one course per category	UCC Course	OSU Course	Notes
Fish & Marine Sciences			
Intro to Marine Biology		BI 150	
Biology of Marine Mammals		FW 302	Available online at OSU
Oceans in Peril		BI 347	Available online at OSU
Marine Ecology		BI 351	Available online at OSU
Intro to Population Dynamics		FW 320	Available online at OSU
Mgmt Principles of Pacific Salmon in the NW		FW 323	Available online at OSU
Coastal Ecology and Resource Management		FW 426	Available online at OSU
Fishery Biology		FW 454	Available online at OSU
Marine Fisheries		FW 465	rivanable emme at eee
Fish Ecology		FW 473	Available online at OSU
Wildlife Ecology		FW 481	Available online at OSU
Oceanography	GS 147	OC 201	Available online at OSU
Coastal Oceanography	00 117	OC 332	Available offine at 350
Forestry		36 332	
International Forestry		FE/FOR 456	
Forest Biology	FOR/NR 240	FES 240	Available online at OSU
Forest Ecology	1 314111 2 13	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/FW 445	Available online at OSU
Biodiversity Conservation in Managed Forests		FES/FW 452	Available online at OSU
Agroforestry		FES/NR 477	Available offille at 030
		FOR 346	Available online at OSU
Topics in Wildland Fire Silviculture Principles		FOR 441	Available offliffe at 050
Land & Water		FOR 441	
UCC Course: Water Resource Mgmt.	NR 221	GEO LDT	
Watershed Processes	INK 221	FE 430	Available online at OSU
Forest Watershed Management		FE 434	Available offliffe at 030
Integrated Watershed Management		FW 326	Available online at OSU
		FW 456	Available online at OSU
Freshwater Ecology and Conservation		FW 479	Available online at OSU
Wetlands and Riparian Ecology		GEO 306	Available online at OSU
Minerals, Energy, Water and the Environment National Park Geology and Preservation	G 213	GEO 307	Available online at OSU
Global Change and Earth Sciences	G 213	GEO 308	Available online at OSU
Introduction to Water Science & Policy		GEOG 340	Available online at OSU
Water Resources Management in the U.S.		GEOG 440	Available offliffe at 030
International Water Resource Management		GEOG 441	Available online at OSU
Desert Water Shed Management		RNG 355	Available online at OSU
Riparian Ecohydrology and Management		RNG 455	Available online at OSU
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 388	Available online at OSU
Soil Morphology and Classification		SOIL 466	Available online at OSU
Range		3012 400	Available offilite at 050
Wildland Fire Ecology		FES 440	Available online at OSU
Ecological Restoration		FES/FW 445	Available online at OSU
Topics in Wildland Fire		FOR 346	Available online at OSU
Rangeland Ecology and Management		RNG 341	Available online at OSU
Range Ecology I – Grasslands		RNG 351	Available online at OSU
Range Ecology II – Grassianus Range Ecology II – Shrub Lands		RNG 351	Available online at OSU
Wildland Restoration and Ecology		RNG 421	Available online at OSU
		RNG 441	Available online at OSU
Rangeland Analysis Rangeland-Animal Relations			Available online at OSU
Rangeland Management and Planning		RNG 442	
Vegetation ID		RNG 490	Available online at OSU
UCC Course: Flowering Plants of SW Oregon	BOT 204	BOT LDT	
	DO1 204		
Plant Systematics		BOT 321	
Agrostology		BOT 414	Available caling at OCU
Flora of the Pacific Northwest	EOD/ND 241	BOT 425	Available online at OSU Available online at OSU
Dendrology	FOR/NR 241	FES 241	
Landscape Plant Materials II: Decid & Conifers		HORT 226	Available online at OSU
Landscape Plant Materials II: Shrubs		HORT 228	Available online at OSU
Wildland Plant Identification		RNG 353	

NR Core Requirements (continued)	UCC Course	OSU Course	Notes
Complete one course per category	occ course	OSO COUISC	Hotes
Wildlife Management			
Principles of Fish & Wildlife Conservation		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 offilite 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	
Multicultural Perspectives in NR		FW 340	Available online at OSU
Transforming Environmental Conflicts		GEOG 241	Available online at OSU
Environmental Justice		GEOG 330	Available online at OSU
Environmental History of the United States		HST 481	Available online at OSU
Critical Thinking for NR Challenges		NR 312	
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			
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	Available offillie at 030
Natural Resources Policy and Law		FOR 462	
Fish & Wildlife Law and Policy		FW 415	Available online at OSU
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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	ECON 201	ECON 201	Available online at OSU
THE CO FICTOCCOHOLINGS	LCON ZUI	LCON ZUI	Available offille at 050

NR Core Requirements (continued) Complete one course per category	UCC 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	FOR/NR 261	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	GIS 134 or FOR/GIS 234	FE 257	Available online at OSU
Survey of Geographic Information Systems		FW 303	Available online at OSU
Foundations of Geospatial Science & GIS	GIS 203	GEOG 201	Available online at OSU
Geoscience I: GIS and Theory	GIS 234	GEOG 360	Available online at OSU

Courses Required for Human Dimensions Option

Requirement Complete one course per category unless Otherwise noted	UCC Course	OSU Course	Notes
Research Methods in Social Science		FES 422	Available online at OSU
Consensus & Communication Small Group Problem Solving Communication in Organizations Theories of Conflict & Conflict Management Bargaining and Negotiating Processes Team and Organizational Leadership Leadership Through Conversations		COMM 322 COMM 324 COMM 440 COMM 442 LEAD 342 LEAD 443	Available online at OSU Available online at OSU
Phil. & Ethics of Environ. – Choose Two Environmental Ethics World Views and Environmental Values Philosophy of Science Critical Thinking for NR Challenges Nature in Storytelling Over the Centuries Social Dimensions of Sustainability Sustainability, Justice, and Engagement		PHL 440 PHL/REL 443 PHL 470 NR 312 NR 380 SOC 381 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
Policy Environmental Law, Policy, and Economics Environmental Law Environmental Politics & Policy International Environmental Politics & Policy Resource Economics		AEC 253 AEC 432 PS 475 PS 477	Available online at OSU Available online at OSU Available online at OSU Available online at OSU
Natural Resource Economics & Policy Environmental Economics & Policy Intro to Coastal & Marine Resource Econ Econ of Traditional & Renewable Energy Economics of Recreation & Tourism		AEC 351 AEC/ECON 352 AEC 353 ECON 466 TRAL 432	Available online at OSU Available online at OSU Available online at OSU Available online at OSU
Management Issues – Choose Three Management for Multiple Resource Values Issues in Natural Resources Conservation Public Lands Policy & Management Urban Forest Planning, Policy, and Mgmt. Principles of Fish & Wildlife Conservation Integrated Watershed Management End. Species, Society and Sustainability Human Dimensions in F&W Management Ecosystems Services Land Use Planning for Sust. Communities Resilience-Based Natural Resource Mgmt Plan Principles for Resilient Communities Sustainable Site Planning Intro to Non-Profit Management Outdoor Recreation on Public Lands Wilderness Management Communities, Natural Areas, and Tourism	NR 251	FES 355 FES 365 FES 486 FES/HORT 455 FW 251 FW 326 FW 350 FW 439 FW 462 GEOG 250 GEOG 430 GEOG 451 GEOG 452 NMC 311 TRAL 351 TRAL 351 TRAL 352	Available online at OSU
Social Issues - Choose 12 credits Introduction to Anthropology Ecological Anthropology Natural Resources and Community Values Multicultural Perspectives in NR Sustainability for the Common Good Population, Consumption, and Environment Environmental History of the United States When Science Escapes the Lab Oceans, Coasts, and People Social Dimensions of Sustainability Environmental Sociology Society and Natural Resources Sustainable Communities Social Dimensions of Sustainability Women & Natural Resources		ANTH 110 ANTH 477 ANTH 481 FW 340 GEOG 300 GEOG 331 HST 481 NR 351 OC 333 SOC 381 SOC 480 SOC 481 SUS 350 SUS 420 WGSS 440	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 UCC courses that fulfill Bacc Core requirements: <u>admissions.oregonstate.edu/baccalaureate-core-course-equivalencies-umpqua-community-college</u>

SKILLS COURSES	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 @ Umpqua
PERSPECTIVE COURSES	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: SOC 204 or ECON 201 Choose one course from Bacc Core link above
DPD COURSE	Difference, Power, & Discrimination	Can be completed as part of major: see advisor
SYNTHESIS COURSES	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 <u>visitosu.oregonstate.edu/visit-campus</u> to schedule your personalized visit.

Umpqua Community College	Bryan Benz, Science Faculty 541-440-4618 bryan.benz@umpqua.edu
OSU College of Forestry Prospective Student Advisor	Autumn VanderLinden 541-737-9135 Autumn.VanderLinden@oregonstate.edu