TRANSFER GUIDE FOR OREGON STATE UNIVERSITY

Major Offered At:

CORVALLIS ECAMPUS

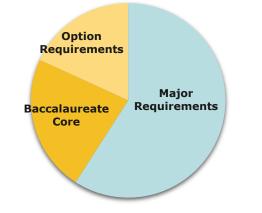
Klamath Community College

Natural Resources Major with Policy & Management 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 in the broad arena of natural resource and environmental conservation, with an emphasis on the social and political aspects of resource issues.

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.
- <u>More info: forestry.oregonstate.edu/undergraduate-</u> programs/natural-resources/policy-and-management

Courses Required for Natural Resources Major

NR Core Requirements	KCC Course	OSU Course	Notes
Complete one course per category	Ree course	obo 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:			
Communication in Global Agriculture		AG 351	Available online at OSU
Intro to Communication Theory		COMM 321	
Small Group Problem Solving		COMM 322	
Communication in Organizations		COMM 324	
Intercultural Communication		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 of Environmental Change Sci		GEOG 453	
Critical thinking for NR Challenges		NR 312	
Environmental Interpretation		TRAL 493	Available online at OSU
Science Writing		WR 362	Available online at OSU
Environmental Writing		WR 462	Available online at OSU
Biology I			
General Biology I with Lab	BIO 101 & 101L	BI 101	Available online at OSU
Introduction to Biology I		BI 204	Available online at OSU
Principles of Biology: Cells	BIO 211 & 211L	BI 221	



NR Core Requirements (continued) Complete one course per category	KCC Course	OSU Course	Notes
Biology II			
General Biology II with Lab	BIO 102 & 102L	BI 102	Available online at OSU
Introduction to Biology II	DIO 102 & 102E	BI 205	Available online at OSU
Principles of Biology: Organisms	BIO 213 & 213L	BI 222	Available online at 050
Biology III	<u> </u>		
General Biology III with Lab	BIO 103 & 103L	BI 103	Available online at OSU
Introduction to Biology III	DIO 105 & 105E	BI 206	Available online at OSU
Principles of Biology: Populations	BIO 212 & 212L	BI 223	Available online at 050
Chemistry			
General Chemistry I with Lab		CH 121	Available online at OSU
General Chemistry (Majors) I with Lab	CHE 221 & CHE 221L	CH 231 & 261	Available online at OSU
Climate Science			
Climate Science		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
The Solid Earth		GEO 101	Available online at OSU
Physical Geology	GEL 201 & GEL 201L	GEO 201	
Earth Systems Science	GEL 202 & GEL 202L	GEO 202	
Environmental Geology		GEO 221	Available online at OSU
Physical Geography		GEOG 102	Available online at OSU
Soil Science with Lab	CSS 205	SOIL 205 & 206	
Soil Science with Forest Soils Lab		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 112Z	MTH 112Z	Available online at OSU
Calculus for Mgmt, Life, and Social Science		MTH 241	Available online at OSU
Math for Mgmt, Life, and Social Science	MTU 252	MTH 245	Available online at OSU
Differential Calculus Statistics	MTH 252	MTH 251	Available online at OSU
	STA 243Z	ST 243Z	Available online at OSU
Principles of Statistics Intro to Statistical Methods	51A 2452	ST 351	Available online at OSU
Animal ID		31 331	Available offinite at 050
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			
Agriculture & Environmental Predicaments		CROP/SOIL/SUS 325	
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	Available online at OSU
Sustainable Site Planning		GEOG 452	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 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	
Planning for Sustainable Tourism		TRAL 457	
Scientific Methods for Analyzing NR Problems		NR 325	Available online at OSU

NR Core Requirements (continued) Complete one course per categoryKCC CourseOSU CourseNotesFish & Marine Sciences Intro to Marine BiologyBI 150BI 150	
Fish & Marine Sciences	
Oceans in Peril BI 347 Available online at C	
Marine Ecology BI 351 Available online at C	
Intro to Population Dynamics FW 320 Available online at 0	DSU
Mgmt Principles of Pacific Salmon in the NW FW 323 Available online at 0	DSU
Coastal Ecology and Resource Management FW 426 Available online at 0)SU
Fishery Biology FW 454 Available online at 0	DSU
Fish Ecology FW 473 Available online at 0)SU
Wildlife Ecology FW 481 Available online at 0	SU
Oceanography GSC 108 & GSC 108L OC 201 Available online at 0)SU
Coastal Oceanography OC 332	
Forestry	
International Forestry FE/FOR 456	
Forest Biology ENV 241 & ENV 241L FES 240 Available online at C	
Forest Ecology FES 341 Available online at C	
Forest Types of the Northwest FES 342 Available online at 0	
Urban Forestry FES/HORT 350 Available online at C	
Wildland Fire Ecology FES 440 Available online at 0	
Ecological Restoration FES/FW 445 Available online at 0)SU
Biodiversity Conservation in Managed Forests FES/FW 452 Available online at C)SU
Agroforestry FES/NR 477	
Topics in Wildland Fire FOR 346 Available online at 0)SU
Silviculture Principles FOR 441	
Land & Water	
Watershed Processes FE 430 Available online at 0)SU
Forest Watershed Management FE 434	
Integrated Watershed Management FW 326 Available online at 0	1120
Freshwater Ecology and Conservation FW 456 Available online at C	
Wetlands and Riparian Ecology Addition Wetlands and Riparian Ecology Addition Wetlands and Riparian Ecology Addition Wetlands and Riparian Ecology	
Minerals, Energy, Water and the Environment GEO 306 Available online at 0	
National Park Geology and Preservation GEO 307 Available online at 0	
Global Change and Earth Sciences GEO 308 Available online at 0	
Introduction to Water Science & Policy GEOG 340 Available online at C)SU
Water Resources Management in the U.S. GEOG 440	
International Water Resource Management GEOG 441 Available online at C	DSU
Riparian Ecohydrology and Management RNG 455 Available online at 0)SU
Ecosystems of Wildland Soils SOIL 366 Available online at 0)SU
Soil Systems and Plant Growth SOIL 388 Available online at C	DSU
World Soil Resources SOIL 395 Available online at 0)SU
Soil Morphology and Classification SOIL 466 Available online at C)SU
Range	
Wildland Fire Ecology FES 440 Available online at 0	ารม
Ecological Restoration FES/FW 445 Available online at C	
Topics in Wildland Fire FOR 346 Available online at C	
Rangeland Ecology and ManagementRNG 341Available online at 0Range Ecology I – GrasslandsRNG 351Available online at 0	
Range Ecology II - Shrub Lands RNG 352 Available online at 0	
Wildland Restoration and Ecology RNG 421 Available online at 0	
Rangeland AnalysisRNG 441Available online at 0	
Rangeland-Animal RelationsRNG 442Available online at 0	
Rangeland Management and Planning RNG 490 Available online at 0	DSU
Vegetation ID	
Plant Systematics BOT 321 Available online at 0)SU
Agrostology BOT 414	
Flora of the Pacific Northwest BOT 425	
Mycology BOT 461 Available online at 0)SU
Dendrology ENV 141 FES 241 Available online at C	
Landscape Plant Materials I: Decid & Conifers HORT 226 Available online at C	
Landscape Plant Materials II: Shrubs HORT 228 Available online at C	
Wildland Plant Identification RNG 353 Available online at C	

NR Core Requirements (continued) Complete one course per category	KCC Course	OSU Course	Notes
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			
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	Available online at 050
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		505 551	
Environmental Law		AEC 432	Available online at OSU
Public Lands Policy & Management		FES 486	Available online at OSU
Forest Policy		FOR 460	Available online at 050
Forest Policy Analysis		FOR 461	
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		PW 422 PS 473	Available online at OSU
Environmental Politics and Policy		PS 475	Available online at OSU
International Environmental Politics & Policy		PS 475 PS 477	Available online at OSU
Political Issues		F3 477	
Plagues, Pests, and Politics		ENT/HORT 300	Available online at OSU
Endangered Spec, Society and Sustainability		FW 350	Available online at OSU
		NR 351	Available offine at 050
When Science Escapes the Lab			Available entire at OCU
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	ARE 250	AEC 250	Available online at OSU
Intro to Microeconomics	ECO 201	ECON 201	Available online at OSU

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

Courses Required for Policy & Management Option

Requirement Complete one course per category unless	KCC Course	OSU Course	Notes
otherwise noted			
Measurements			
Research Methods in Social Science		FES 422	Available online at OSU
Research Methods		PS 300	Available online at OSU
Social Science & NR: choose 2 courses			
Intro to Climate Change Economics & Policy		AEC 122	Available online at OSU
Environmental Law, Policy & Economics		AEC 253	Available online at OSU
Ecosystems of the Pacific NW Indians		AG 301	Available online at OSU
Ecological Anthropology		ANTH 477	Available online at OSU
Mgmt Principles of Pacific Salmon in NW		FW 323	Available online at OSU
Multicultural Perspectives in Natural Resources		FW 340	Available online at OSU
Climate Change, Water and Society		GEOG 240	Available online at OSU
Land Use Planning for Sustainable Community		GEOG 250	Available online at OSU
Sustainability for the Common Good		GEOG 300	Available online at OSU
Geography of Natural Hazards		GEOG 350	Available online at OSU
Resilience-Based Nat Resource Management		GEOG 430	
Land Use in the American West		GEOG 450	
Plan Principles and Pract for Resilient Comm		GEOG 451	Available online at OSU
Sustainable Site Planning		GEOG 452	Available online at OSU
Critical Thinking for NR Challenges		NR 312	
When Science Escapes the Lab		NR 351	
Intro to Sociology		SOC 204	Available online at OSU
Environmental Sociology		SOC 480	Available online at OSU
Society and Natural Resources		SOC 481	Available online at OSU
Sustainability, Justice, and Engagement		SUS 331	Available online at OSU

Requirement			Notos
Complete one course per category unless otherwise noted	KCC Course	OSU Course	Notes
NR Policy: Choose 12-13 credits from at least two departments			
Natural Resource Economics & Policy		AEC 351	Available online at OSU
			Available online at OSU
Environmental Econ & Policy		AEC/ECON 352	
Environmental Law		AEC 432	Available online at OSU
Marine Economics		AEC 452	
Conservation of Private Land		AEC 453	
Issues in Natural Resource Conservation		FES 365	Available online at OSU
Public Lands Policy and Management		FES 486	Available online at OSU
Econ and Policy of Forest Wildland Fire		FOR 431	
Forest Policy		FOR 460	
Forest Policy Analysis		FOR 461	
Endangered Species, Soc. and Sustainability		FW 350	Available online at OSU
Fisheries and Wildlife Law and Policy		FW 415	Available online at OSU
Intro to Ocean Law		FW 422	Available online at OSU
Intro to US Government and Politics	POL 201	PS 201	
The Politics of Climate Change		PS 455	Available online at OSU
Environmental Political Theory		PS 461	
Global Food Politics and Policy		PS 470	Available online at OSU
U.S. Energy Policy		PS 473	Available online at OSU
Environmental Politics and Policy		PS 475	Available online at OSU
Int'l Environmental Politics and Policy		PS 477	Available online at OSU
Renewable Energy Policy		PS 478	Available online at OSU
NR Management: Choose 11 credits			
Field Methods in Plant Ecology		BOT 440	Available online at OSU
Environmental Case Studies		ENSC 321	Available online at OSU
Wildland Fire Ecology		FES 440	Available online at OSU
Urban Forest Planning, Policy, and Mgmt		FES/HORT 455	Available online at OSU
Ecological Restoration		FES/FW 445	Available online at OSU
Topics in Wildland Fire		FOR 346	Available online at OSU
Wildland Fire Science and Management		FOR 436	Available online at OSU
Survey of Geographic Information Systems		FW 303	Available online at OSU
Applied Community and Ecosystem Ecology		FW 321	Available online at OSU
Global Crises in Resource Ecology		FW 325	Available online at OSU
Integrated Watershed Management		FW 326	Available online at OSU
Wildlife in Agricultural Ecosystems		FW 435	Available online at OSU
Wetlands and Riparian Ecology		FW 479	Available online at OSU
Foundations of Geospatial Science and GIS		GEOG 201	Available online at OSU
Intro to Water Science and Policy		GEOG 340	Available online at OSU
Water Resources Management in the US		GEOG 440	
Int'l Water Resource Management		GEOG 441	Available online at OSU
Intro to Non-Profit Management		NMC 311	Available online at OSU
Riparian Ecohydrology and Management		RNG 455	Available online at OSU
Rangeland Management and Planning		RNG 490	Available online at OSU
Wilderness Management		TRAL 352	Available online at OSU
Resource Economics			
Natural Resources Economics & Policy		AEC 351	Available online at OSU
Environmental Economics & Policy		AEC/ECON 352	Available online at OSU
Intro to Coastal & Marine Resource Econ		AEC 353	Available online at OSU
Econ of Traditional and Renewable Energy		ECON 466	Available online at OSU
Forest Resource Economics I		FOR 329	
Economics & Policy of Wildland Fire		FOR 431	Available online at OSU
Economics of Recreation & Tourism	1	TRAL 432	

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 KCC courses that fulfill Bacc Core requirements: <u>admissions.oregonstate.edu/baccalaureate-core-course-</u> equivalencies-klamath-community-college

equivalencies Riamae	In community conege	
SKILLS COURSES	Math Writing I Writing II Speech (Writing III) Fitness	Completed as part of major: MTH 112Z or higher WR 121Z. Required to transfer. Can be completed as part of major: see advisor Choose one course from Bacc Core link above HPE 295 @ KCC
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: EC 201 or ARE 250 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.

Klamath Community College	Dodi Wilson, Science Dept Lead 541-880-2332 wilsond@klamathcc.edu
OSU College of Forestry	541-737-1594
Student Services Office	forestrystudentservices@oregonstate.edu