TRANSFER GUIDE FOR OREGON STATE UNIVERSITY

Major Offered At:

CORVALLIS ECAMPUS

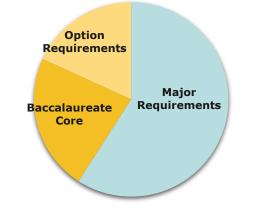
Shasta College

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 124 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>forestry.oregonstate.edu/undergraduate-</u> programs/natural-resources/human-dimensions-naturalresources

Courses Required for Natural Resources Major

NR Core Requirements	Shasta Course	OSU Course	Notes
Complete one course per category	Shasta course	030 course	notes
Consensus and Natural Resources		FES 485	Available online at OSU
Managing Nat Res for the Future	AGNR 1	NR 201	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 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 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 327	Available online at OSU
Science Writing		WR 362	Available online at OSU
Environmental Writing		WR 462	
Professional Writing		WR 466	
Biology I			
General Biology I with Lab		BI 101	
Introduction to Biology I		BI 204	Available online at OSU
Principles of Biology I with Lab		BI 211	



NR Core Requirements (continued)	Shasta Course	OSU Course	Notes
Complete one course per category			
Biology II		BT 102	
General Biology II with Lab		BI 102	Available online at OSU
Introduction to Biology II	BIOL 1	BI 205	Available online at USU
Principles of Biology II with Lab	BIOL 1	BI 212	
Biology III		BI 103	
General Biology III with Lab			Available enline at OCU
Introduction to Biology III		BI 206	Available online at OSU
Principles of Biology III with Lab		BI 213	
Chemistry General Chemistry I with Lab		CH 121	Available online at OSU
General Chemistry (Majors) I with Lab	CHEM 1A	CH 231 & 261	Available online at OSU
		CH 231 & 201	Available offine at 030
Climate Science		ATS 201	Available online at OSU
Global Change Biology		FW 345	Available offine at 030
Climatology		GEOG 323	Available online at OSU
Intro to Climate Change		SUS 103	Available online at OSU
Earth or Soil Science		303 105	Available offinite at 030
Soil Science		CSS 205	Available online at OSU
Principles of Soil Science		CSS 205 CSS 305	
The Solid Earth		GEO 101	Available online at OSU
Physical Geology	ESCI 1	GEO 201	
Earth Systems Science	ESCI 17	GEO 202	
Environmental Geology	ESCI 10	GEO 221	Available online at OSU
Physical Geography	GEOG 1A	GEOG 102	Available online at OSU
Soil Science with Lab	AGPS 24	SOIL 205 & 206	Available online at 050
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	MATH 2A	MTH 112	Available online at OSU
Calculus for Mgmt, Life, and Social Science	MATH 9	MTH 241	Available online at OSU
Math for Mgmt, Life, and Social Science	MATH 9	MTH 245	Available online at OSU
Differential Calculus	MATH 3A	MTH 251	Available online at OSU
Statistics			
Principles of Statistics	MATH 14	ST 201	Available online at OSU
Intro to Statistical Methods		ST 351	Available online at OSU
Animal ID			
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
Wildland restoration and Ecology		RNG 421	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 Scientific Methods for Analyzing NR Problems		TRAL 457	
		NR 325	

NR Core Requirements (continued) Complete one course per category	Shasta 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
		_	Available offinite at 030
Marine Fisheries		FW 465	Ausilable enline at OCU
Fish Ecology		FW 473	Available online at OSU
Wildlife Ecology		FW 481	Available online at OSU
Oceanography	ESCI 15	OC 201	Available online at OSU
Coastal Oceanography		OC 332	
Forestry			
International Forestry		FE/FOR 456	
Forest Biology	AGNR 65	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/FW 445	Available online at OSU
Biodiveristy Conservation in Managed Forests		FES/FW 452	Available online at OSU
Agroforestry		FES/NR 477	
Topics in Wildland Fire		FOR 346	Available online at OSU
Silviculture Principles		FOR 441	
Land & Water			
Shasta Course: Watershed Mgmt & Ecology		FE LDT	
			Available enline at OCL
Watershed Processes		FE 430	Available online at OSU
Forest Watershed Management		FE 434	
Integrated Watershed Management		FW 326	Available online at OSU
Freshwater Ecology and Conservation		FW 456	Available online at OSU
Wetlands and Riparian Ecology		FW 479	Available online at OSU
Minerals, Energy, Water and the Environment		GEO 306	Available online at OSU
National Park Geology and Preservation		GEO 307	Available online at OSU
Global Change and Earth Sciences		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	
International Water Resource Management		GEOG 441	Available online at OSU
Desert Water Shed Management		RND 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 300	Available online at OSU
		SOIL 395	
Soil Morphology and Classification		JUIL 400	Available online at OSU
Range Wildland Fire Feelery			Available calles at OCU
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 – Shrub Lands		RNG 352	Available online at OSU
Wildland Restoration and Ecology		RNG 421	Available online at OSU
Rangeland Analysis		RNG 441	Available online at OSU
Rangeland-Animal Relations		RNG 442	Available online at OSU
Rangeland Management and Planning		RNG 490	Available online at OSU
Vegetation ID			
Shasta Course: Native Plant ID	AGNR 6	FES LDT	
Plant Systematics		BOT 321	
Agrostology		BOT 414	
Flora of the Pacific Northwest		BOT 425	Available calias at OCU
Dendrology		FES 241	Available online at OSU
Landscape Plant Materials I: Decid & Conifers		HORT 226	Available online at OSU
Landeeane Dlant Materiale II. Chrube		HORT 228	Available online at OSU
Landscape Plant Materials II: Shrubs Wildland Plant Identification		RNG 353	Available online at OSU

NR Core Requirements (continued)	Shasta Course	OSU Course	Notes
Complete one course per category Wildlife Management			
	ACND 70		
Shasta Course: Wildlife Conservation & Mgmt Principles of Fish & Wildlife Conservation	AGNR 70	FW 251	Available online at OSU
•		FW 251 FW 320	Available online at OSU
Introductory Population Dynamics		FW 320 FW 321	Available online at OSU
Applied Community and Ecosystem Ecology		FW 435	Available online at OSU
Wildlife in Agricultural Ecosystems Avian Conservation and Management		FW 435 FW 451	Available online at OSU
Biodiversity Conservation in Managed Forests		FW 451 FES/FW 452	Available online at OSU
Mammal Conservation and Management		FW 458	Available online at OSU
Wildlife Ecology		FW 438 FW 481	Available online at OSU
		Z 350	Available online at OSU
Animal Behavior Ethics & Philosophy		2 350	
Ecosystems Science of the PNW Indians		AG 301	Available enline at OCU
			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 suline at OCU
Multicultural Perspectives in NR		FW 340	Available online at OSU
Environmental Justice		GEO 309	Available online at OSU
Environmental History of the United States		HST 481	Available online at OSU
Critical Thinking for NR Challenges		NR 412	Available suline at OCU
Environmental Ethics		PHL 440	Available online at OSU
World View and Environmental Values		PHL/REL 443	Available online at OSU
Natural Resource Policy	ACND 12	FEGUDT	
Shasta Course: Environmental Law & Policy	AGNR 12	FES LDT	Available enline at OCU
Environmental Law		AEC 432 AEC 454	Available online at OSU
Rural Development Economics & Policy			Available online at OSU
Public Lands Policy & Management		FES 486 FOR 460	Available online at OSU
Forest Policy			
Natural Resources Policy and Law		FOR 462 FW 415	Available enline at OCU
Fish & Wildlife Law and Policy		FW 415 FW 422	Available online at OSU Available online at OSU
Introduction to Ocean Law		PS 473	
U.S. Energy Policy Environmental Politics and Policy		PS 475	Available online at OSU Available online at OSU
International Environmental Politics & Policy Political Issues		PS 477	Available online at OSU
		ENT/LIOPT 200	Available online at OSU
Plagues, Pests, and Politics		ENT/HORT 300 FOR 462	Available online at USU
Natural Resource Policy and Law			Available enline at OCU
Endangered Spec, Society and Sustainability		FW 350 NR 351	Available online at OSU
When Science Escapes the Lab		PS 455	Available online at OCU
The Politics of Climate Change			Available online at OSU
Environmental Politics and Policy		PS 475 PS 476	Available online at OSU
Science and Politics		PS 476 PS 477	Available online at OSU
International Environmental Politics & Policy			Available online at OSU
Wilderness Management		TRAL 352	Available online at OSU
Resource Economics		450 351	Available online at OCL
Natural Resource Economics and Policy		AEC 351	Available online at OSU
Environmental Economics and Policy		AEC/ECON 352	Available online at OSU
Rural Development Economics and Policy		AEC 454	Available online at OSU
Forest Resource Economics I	l	FOR 329	L

NR Core Requirements (continued) Complete one course per category	Shasta Course	OSU Course	Notes
Social Issues			
Management for Multiple Resource Values		FES 355	Available online at OSU
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	
Resilience-Based Natural Resource Mgmt		GEOG 430	
Global Resource Development		GEOG 431	
When Science Escapes the Lab		NR 351	
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	
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	GEOG 13	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 Human Dimensions Option

Requirement Complete one course per category unless Otherwise noted	Shasta Course	OSU Course	Notes
Research Methods in Social Science		FES 422	Available online at OSU
Introduction to Sociology	SOC 1	SOC 204	Available online at OSU
Consensus & Communication Small Group Problem Solving Communication in Organizations Theories of Conflict & Conflict Management Bargaining and Negotiating Processes		COMM 322 COMM 324 COMM 440 COMM 442	
Team and Organizational Leadership		LEAD 342	Available online at OSU
Leadership Through Conversations		LEAD 443	Available online at OSU
Phil. & Ethics of Environ. – Choose Two Philosophy of Nature Environmental Ethics World Views and Environmental Values Philosophy of Science Critical Thinking for NR Challenges Social Dimensions of Sustainability		PHL 439 PHL 440 PHL/REL 443 PHL 470 NR 312 SOC 381	Available online at OSU Available online at OSU Available online at OSU
Policy & Economics			
Intro to Environmental Economics & Policy Environmental Law, Policy, and Economics Natural Resources Economics & Policy Environmental Economics & Policy Environmental Law Intro to Microeconomics Environmental Politics & Policy International Environmental Politics & Policy	ECON 1A	AEC 250 AEC 253 AEC 351 AEC/ECON 352 AEC 432 ECON 201 PS 475 PS 477	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 Natural Resources Problems & Solutions Outdoor Recreation on Public Lands Wilderness Management Communities, Natural Areas, and Tourism Social Issues – Choose 12 credits		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 451 GEOG 452 NR 202 TRAL 351 TRAL 352 TRAL 354	Available online at OSU Available online at OSU
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 Social Dimensions of Sustainability Environmental Sociology Society and Natural Resources Sustainable Communities Social Dimensions of Sustainability Women & Natural Resources	ANTH 2	ANTH 110 ANTH 477 ANTH 481 FW 340 GEOG 300 GEOG 331 HST 481 NR 351 SOC 381 SOC 481 SOC 481 SUS 350 SUS 420 WGSS 440	Available online at OSU 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.

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 HHS 231 & 241/PAC Course	
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: ECON 201 or AEC 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.

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