TRANSFER GUIDE FOR OREGON STATE UNIVERSITY

Major Offered At:

CORVALLIS

ECAMPUS

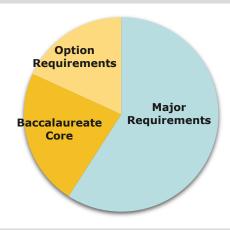
Treasure Valley Community College

Natural Resources Major with Wildland Fire Ecology 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 will help students understand the nature of fire in wildland ecosystems. It includes an understanding of the dynamics of fire behavior and post-fire response.

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/wildland-fire-ecology

Courses Required for Natural Resources Major

NR Core Requirements Complete one course per category	TVCC Course	OSU Course	Notes
Consensus and Natural Resources		FES 485	Available online at OSU
Managing Nat Res for the Future	NATR 111	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			
Introduction to Biology I		BI 204	Available online at OSU
Principles of Biology: Cells	BIOL 211	BI 221	



NR Core Requirements (continued) Complete one course per category	TVCC Course	OSU Course	Notes
Biology II			
Introduction to Biology II		BI 205	Available online at OSU
Principles of Biology: Organisms	BIOL 213	BI 222	
Biology III			
Introduction to Biology III		BI 206	Available online at OSU
Principles of Biology: Populations	BIOL 212	BI 223	
Chemistry			
General Chemistry I with Lab	CHEM 121	CH 121	Available online at OSU
General Chemistry (Majors) I with Lab	CHEM 221	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	GEOG 101		
TVCC Course: Physical Geology	0200 101	CSS 205	Available online at OSU
Soil Science		333 233	Available online at OSU
The Solid Earth	GEOL 202	GEO 101	
Physical Geology	GEOL 201	GEO 201	
Earth Systems Science	3232 231	GEO 202	Available online at OSU
Environmental Geology		GEO 221	Available online at OSU
Physical Geography	CSS 205	GEOG 102	, tranable orimie at 656
Soil Science with Lab	C33 203	SOIL 205 & 206	
Soil Science with Forest Soils Lab		SOIL 205 & FOR 206	
Ecology		3312 233 Q 1 3 N 200	
TVCC Course: Intro NR Ecology	NATR 221		
General Ecology	10/11/1/221	BI 370	Available online at OS
Mathematics		B1 37 0	7 (Valiable offine de 05
Elementary Functions	MATH 112Z	MTH 112Z	Available online at OSU
Calculus for Mgmt, Life, and Social Science	MATH 241	MTH 241	Available online at OSU
Math for Mgmt, Life, and Social Science	MATTI 241	MTH 245	Available online at OSU
Differential Calculus	MATH 251	MTH 251	Available online at OSU
Statistics	10,111,231		7 (Valiable offinite at 000
Principles of Statistics	STAT 243Z	ST 243Z	Available online at OSU
Intro to Statistical Methods	31711 2 132	ST 351	Available online at OSU
Animal ID		3.331	7.tvanasie ermite de eee
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	Available offine at 050
Herpetology		Z 473	Available online at OSU
Aquatic Entomology		Z 477	, tranable orimie at 555
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
Sustainability Assessment Sustainable Communities		SUS 350	Available online at OSU
Planning for Sustainable Recreation		TRAL 456	Available offille at 030
Planning for Sustainable Recreation Planning for Sustainable Tourism		TRAL 450	
Scientific Methods for Analyzing NR Problems		NR 325	Available online at OSU
Scientific metrious for Analyzing NK Froblems	L	INIC JZJ	Available offille at 030

NR Core Requirements (continued)	TV00 0	ocu o	
Complete one course per category	TVCC 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
Fish Ecology		FW 473	Available online at OSU
Wildlife Ecology		FW 481	Available online at OSU
Oceanography	GSCI 108	OC 201	Available online at OSU
Coastal Oceanography	GSCI 100	OC 332	Available offilite at 050
Forestry		00 332	
International Forestry		FE/FOR 456	
		FES 240	Available online at OSU
Forest Biology		=	
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
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	A . 11.11
Topics in Wildland Fire		FOR 346	Available online at OSU
Silviculture Principles		FOR 441	
Land & Water			
TVCC Course: Intro to Watershed Mgmt.	NATR 218	NR LDT	
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
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 395	Available online at OSU
Soil Morphology and Classification		SOIL 466	Available online at OSU
Range			
Ecological Restoration		FES/FW 445	Available online at OSU
Topics in Wildland Fire		FOR 346	Available online at OSU
Rangeland Ecology and Management	NATR 241	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			
TVCC Course: Applied Botany	NATR 103		
Plant Systematics	1	BOT 321	Available online at OSU
Agrostology		BOT 414	, wandble offine at 050
Flora of the Pacific Northwest		BOT 425	
Mycology		BOT 461	Available online at OSU
Dendrology		FES 241	Available online at OSU
		HORT 226	Available online at OSU
Landscape Plant Materials I: Decid & Conifers Landscape Plant Materials II: Shrubs		HORT 228	Available online at OSU
Wildland Plant Identification			
Wildiand Plant IdentinCation	l	RNG 353	Available online at OSU

NR Core Requirements (continued) Complete one course per category	TVCC Course	OSU Course	Notes
Wildlife Management Principles of Fish & Wildlife Conservation Introductory Population Dynamics Applied Community and Ecosystem Ecology Wildlife in Agricultural Ecosystems Avian Conservation and Management Biodiversity Conservation in Managed Forests Mammal Conservation and Management Wildlife Ecology Animal Behavior	NATR 252	FW 251 FW 320 FW 321 FW 435 FW 451 FES/FW 452 FW 458 FW 481 Z 350	Available online at OSU
Ethics & Philosophy Ecosystems Science of the PNW Indians Anthropology, Health, and the Environment Ecological Anthropology Natural Resources and Community Values Anthropology of International Development Multicultural Perspectives in NR Transforming Environmental Conflicts Environmental Justice Environmental History of the United States Critical Thinking for NR Challenges Nature in Storytelling over the Centuries Environmental Ethics World View and Environmental Values Sustainability, Justice & Engagement		AG 301 ANTH 352 ANTH 477 ANTH 481 ANTH 482 FW 340 GEOG 241 GEOG 330 HST 481 NR 312 NR 380 PHL 440 PHL/REL 443 SUS 331	Available online at OSU
Ratural Resource Policy Environmental Law Public Lands Policy & Management Forest Policy Forest Policy Analysis Fish & Wildlife Law and Policy Introduction to Ocean Law U.S. Energy Policy Environmental Politics and Policy International Environmental Politics & Policy Political Issues Plagues, Pests, and Politics Endangered Spec, Society and Sustainability When Science Escapes the Lab The Politics of Climate Change Environmental Politics and Policy		AEC 432 FES 486 FOR 460 FOR 461 FW 415 FW 422 PS 473 PS 475 PS 477 ENT/HORT 300 FW 350 NR 351 PS 455 PS 475 PS 476	Available online at OSU
Science and Politics International Environmental Politics & Policy Wilderness Management Economics Intro to Environmental Economics & Policy Intro to Microeconomics	ECON 201	PS 476 PS 477 TRAL 352 AEC 250 ECON 201	Available online at OSU

NR Core Requirements (continued) Complete one course per category	TVCC 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	NATR 251	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	GEOG 265	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 285	GEOG 360	Available online at OSU

Courses Required for Wildland Fire Ecology Option

Requirement			
Complete one course per category unless	TVCC Course	OSU Course	Notes
otherwise noted			
Measurements			
Field Methods in Plant Ecology		BOT 440	Available online at OSU
Field Sampling of Fish & Wildlife		FW 255	Available online at OSU
Geoscience I: GIS & Theory	GEOG 285	GEOG 360	Available online at OSU
Wildland Fire Ecology		FES 440	Available online at OSU
Ecological Restoration		FES/FW 445	Available online at OSU
Wildland Restoration and Ecology		RNG 421	Available online at OSU
Economics and Policy of Forest Wildland Fire		FOR 431	Available online at OSU
Wildland Fire Science and Management		FOR 436	Available online at OSU
Ecological & NR Elect: Choose 20-21 cr:			
TVCC Courses:	NATR 101 or 104 or 106		
Plant Ecology		BOT 341	Available online at OSU
Forest Pathology		BOT/FOR 413	
Agrostology		BOT 414	
Flora of the Pacific Northwest		BOT 425	
Weed Management		CROP 440	Available online at OSU
Forest Surveying		FE 208	Available online at OSU
Forest Watershed Management		FE 434	
Forest Ecology		FES 341	Available online at OSU
Forest Types of the Northwest		FES 342	Available online at OSU
Forest Entomology		FES 412	
Biodiversity Conservation in Managed Forests		FES/FW 452	Available online at OSU
Topics in Wildland Fire		FOR 346	Available online at OSU
Economics and Policy of Forest Wildland Fire		FOR 431	Available online at OSU
Silviculture Principles		FOR 441	
Applied Community and Ecosystem Ecology		FW 321	Available online at OSU
Avian Conservation & Management		FW 451	Available online at OSU
Freshwater Ecology and Conservation		FW 456	Available online at OSU
Mammal Conservation and Management		FW 458	Available online at OSU
Wetlands and Riparian Ecology		FW 479	Available online at OSU
Wildlife Ecology		FW 481	Available online at OSU
Scientific Methods for Analyzing NR Problems		NR 325	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
Soil Morphology and Classification		SOIL 466	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 TVCC courses that fulfill Bacc Core requirements: <u>admissions.oregonstate.edu/baccalaureate-core-course-</u>

equivalencies-treasure-valley-community-college

<u>equivalences a casar</u>	Math	Completed as part of region, MATH 1127 or higher
	Math	Completed as part of major: MATH 112Z or higher
01/21 1 0 00112 020	Writing I	WR 121Z. 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	HPE 295 @ TVCC
	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: ECON 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 aivision 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.

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OSU College of Forestry	541-737-1594
Student Services Office	forestrystudentservices@oregonstate.edu