

# NATURAL RESOURCES MINOR

Also available at OSU-Cascades and via Ecampus.

Students majoring in other programs at OSU can choose to complete the Natural Resources minor. The minor is intended to provide a broad exposure to the natural resources field. It offers course work that integrates a number of natural resource disciplines.

**Minor Code: 643**

Code	Title	Credits
<b>Required</b>		
NR 201	MANAGING NATURAL RESOURCES FOR THE FUTURE	3
FES 485	*CONSENSUS AND NATURAL RESOURCES	3
Select three courses from the following:		9-11
FOR 111	INTRODUCTION TO FORESTRY	
or FES 342	FOREST TYPES OF THE NORTHWEST	
FW 251	PRINCIPLES OF FISH AND WILDLIFE CONSERVATION	
NR 202	NATURAL RESOURCE PROBLEMS AND SOLUTIONS	
RNG 121	*INTRODUCTION TO WILDLAND ECOLOGY	
or RNG 341	RANGELAND ECOLOGY AND MANAGEMENT	
SUS 102	*INTRODUCTION TO ENVIRONMENTAL SCIENCE AND SUSTAINABILITY	
Select two courses from any of the following focus areas of the the Resource Mangement Group:		6-9
<i>Environmental Assessment and Planning</i>		
FES 445/FW 445	ECOLOGICAL RESTORATION	
FW 462	ECOSYSTEM SERVICES	
GEOG 250	*LAND USE PLANNING FOR SUSTAINABLE COMMUNITIES	
GEOG 450	LAND USE IN THE AMERICAN WEST	
GEOG 451	PLANNING PRINCIPLES AND PRACTICES FOR RESILIENT COMMUNITIES	
GEOG 452	SUSTAINABLE SITE PLANNING	
NR 325	SCIENTIFIC METHODS FOR ANALYZING NATURAL RESOURCE PROBLEMS	
RNG 421	WILDLAND RESTORATION AND ECOLOGY	
RNG 490	RANGELAND MANAGEMENT PLANNING	
SUS 304	*SUSTAINABILITY ASSESSMENT	
SUS 350	*SUSTAINABLE COMMUNITIES	
TRAL 456	PLANNING FOR SUSTAINABLE RECREATION	
TRAL 457	PLANNING FOR SUSTAINABLE TOURISM	
<i>Fisheries and Marine Sciences</i>		
BI 150	INTRODUCTION TO MARINE BIOLOGY	
BI 347	*OCEANS IN PERIL	
BI 351	MARINE ECOLOGY	
FW 302	BIOLOGY AND CONSERVATION OF MARINE MAMMALS	
FW 320	INTRODUCTORY POPULATION DYNAMICS	
FW 426	COASTAL ECOLOGY AND RESOURCE MANAGEMENT	
FW 454	*FISHERY BIOLOGY	
FW 465	MARINE FISHERIES	
FW 473	FISH ECOLOGY	
FW 481	WILDLIFE ECOLOGY	
OC 201	*OCEANOGRAPHY	
OC 332	COASTAL OCEANOGRAPHY	
<i>Forestry</i>		
FE 456/FOR 456	*INTERNATIONAL FORESTRY	
FES 240	*FOREST BIOLOGY	
FES 341	FOREST ECOLOGY	
FES 342	FOREST TYPES OF THE NORTHWEST	
FES 350/HORT 350	URBAN FORESTRY	
FES 440	WILDLAND FIRE ECOLOGY	

FES 445/FW 445	ECOLOGICAL RESTORATION	
FES 452/FW 452	BIODIVERSITY CONSERVATION IN MANAGED FORESTS	
FES 477/NR 477	*AGROFORESTRY	
FOR 346	TOPICS IN WILDLAND FIRE	
<i>Land and Water</i>		
FE 430	WATERSHED PROCESSES	
FE 434	FOREST WATERSHED MANAGEMENT	
FW 326	INTEGRATED WATERSHED MANAGEMENT	
FW 456	FRESHWATER ECOLOGY AND CONSERVATION	
FW 479	WETLANDS AND RIPARIAN ECOLOGY	
GEO 306	*MINERALS, ENERGY, WATER, AND THE ENVIRONMENT	
GEO 308	*GLOBAL CHANGE AND EARTH SCIENCES	
GEOG 440	WATER RESOURCES MANAGEMENT IN THE UNITED STATES	
GEOG 441	INTERNATIONAL WATER RESOURCES MANAGEMENT	
RNG 355	DESERT WATERSHED MANAGEMENT	
RNG 455	RIPARIAN ECOHYDROLOGY AND MANAGEMENT	
SOIL 366	ECOSYSTEMS OF WILDLAND SOILS	
SOIL 388	SOIL SYSTEMS AND PLANT GROWTH	
SOIL 395	**WORLD SOIL RESOURCES	
<i>Range</i>		
FES 440	WILDLAND FIRE ECOLOGY	
FES 445/FW 445	ECOLOGICAL RESTORATION	
FOR 346	TOPICS IN WILDLAND FIRE	
RNG 341	RANGELAND ECOLOGY AND MANAGEMENT	
RNG 351	RANGE ECOLOGY I-GRASSLANDS	
RNG 352	RANGE ECOLOGY II-SHRUBLANDS	
RNG 421	WILDLAND RESTORATION AND ECOLOGY	
RNG 442	RANGELAND-ANIMAL RELATIONS	
RNG 490	RANGELAND MANAGEMENT PLANNING	
Select two courses from any of the following focus areas of the Social and Political Dimensions group:		6-8
<i>Ethics and Philosophy</i>		
AG 301	*ECOSYSTEM SCIENCE OF PACIFIC NW INDIANS	
ANTH 352	*ANTHROPOLOGY, HEALTH, AND ENVIRONMENT	
FW 340	*MULTICULTURAL PERSPECTIVES IN NATURAL RESOURCES	
GEO 309	*ENVIRONMENTAL JUSTICE	
HST 481	*ENVIRONMENTAL HISTORY OF THE UNITED STATES	
NR 312	CRITICAL THINKING FOR NATURAL RESOURCE CHALLENGES	
PHL 440	*ENVIRONMENTAL ETHICS	
PHL 443/REL 443	*WORLD VIEWS AND ENVIRONMENTAL VALUES	
<i>Natural Resource Policy</i>		
AEC 432	ENVIRONMENTAL LAW	
AEC 454	RURAL DEVELOPMENT ECONOMICS AND POLICY	
FES 486	*PUBLIC LANDS POLICY AND MANAGEMENT	
FOR 460	*FOREST POLICY	
FOR 462	NATURAL RESOURCE POLICY AND LAW	
FW 415	FISHERIES AND WILDLIFE LAW AND POLICY	
FW 422	INTRODUCTION TO OCEAN LAW	
PS 473	US ENERGY POLICY	
<i>Political Issues</i>		
ENT 300/HORT 300	*PLAGUES, PESTS, AND POLITICS	
FW 350	*ENDANGERED SPECIES, SOCIETY AND SUSTAINABILITY	
NR 351	*WHEN SCIENCE ESCAPES THE LAB: SCIENCE AND RESOURCE MANAGEMENT	
PS 455	THE POLITICS OF CLIMATE CHANGE	
PS 475	ENVIRONMENTAL POLITICS AND POLICY	
PS 477	INTERNATIONAL ENVIRONMENTAL POLITICS AND POLICY	
<i>Resource Economics</i>		
AEC 351	*NATURAL RESOURCE ECONOMICS AND POLICY	

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AEC 352/ECON 352	*ENVIRONMENTAL ECONOMICS AND POLICY
AEC 454	RURAL DEVELOPMENT ECONOMICS AND POLICY
FOR 330	FOREST RESOURCE ECONOMICS I
<i>Social Issues</i>	
FES 355	MANAGEMENT FOR MULTIPLE RESOURCE VALUES
FES 365	*ISSUES IN NATURAL RESOURCES CONSERVATION
FW 325	*GLOBAL CRISES IN RESOURCE ECOLOGY
GEOG 240	*HUMAN DIMENSIONS OF CLIMATE CHANGE
GEOG 300	*SUSTAINABILITY FOR THE COMMON GOOD
GEOG 430	RESILIENCE-BASED NATURAL RESOURCE MANAGEMENT
SOC 381	SOCIAL DIMENSIONS OF SUSTAINABILITY
SOC 480	ENVIRONMENTAL SOCIOLOGY
SOC 481	*SOCIETY AND NATURAL RESOURCES
SUS 420	SOCIAL DIMENSIONS OF SUSTAINABILITY
TRAL 351	OUTDOOR RECREATION MANAGEMENT ON PUBLIC LANDS
TRAL 352	WILDERNESS MANAGEMENT
TRAL 354	COMMUNITIES, NATURAL AREAS, AND SUSTAINABLE TOURISM
Total Credits	27-34

\* Baccalaureate Core Course (BCC)

^ Writing Intensive Course (WIC)

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