

# ENVIRONMENTAL SCIENCES MINOR

Also available via Ecampus.

The interdisciplinary field of Environmental Sciences integrates the biological and physical sciences with the social sciences for the study of human interactions with natural systems, especially with the goal of addressing environmental problems. The Environmental Sciences minor provides an opportunity for students to develop a basic background in the natural environmental systems, selecting courses in the categories of atmosphere, biosphere, geosphere, and hydrosphere; in addition, the minor requires selection of courses on the relationship between humans and the environment in the categories of economics and policy, ethics, human environment, and management.

## Minor Code: 758

Students must complete a minimum of 14 unique credits in the minor that do not fulfill requirements of majors, minors, options or certificates. Credits must sum to a minimum of 27.

Code	Title	Credits
<b>Natural Environmental Systems</b>		
<i>Atmosphere</i>		
Select one course from the following:		4
ATS 201	*CLIMATE SCIENCE	
ATS 310	METEOROLOGY	
GEOG 323	*CLIMATOLOGY	
<i>Biosphere</i>		
Select one course from the following:		3-4
BI 370	ECOLOGY	
FES 341	FOREST ECOLOGY	
GEOG 324	*ECOLOGICAL BIOGEOGRAPHY	
<i>Geosphere</i>		
Select one course from the following:		3-4
CSS 205	*SOIL SCIENCE	
GEO 202	*EARTH SYSTEMS SCIENCE	
GEO 221	*ENVIRONMENTAL GEOLOGY	
GEO 322	SURFACE PROCESSES	
GEOG 102	*PHYSICAL GEOGRAPHY	
SOIL 205	SOIL SCIENCE	
& SOIL 206	and *SOIL SCIENCE LABORATORY FOR SOIL 205	
SOIL 395	*WORLD SOIL RESOURCES	
<i>Hydrosphere</i>		
Select one course from the following:		3-5
FW 456	FRESHWATER ECOLOGY AND CONSERVATION	
GEO 487	HYDROGEOLOGY	
GEOG 340	*INTRODUCTION TO WATER SCIENCE AND POLICY	
GEOG 424	HYDROLOGY FOR WATER RESOURCES MANAGEMENT	
OC 201	*OCEANOGRAPHY	
<b>Humans and the Environment</b>		
<i>Economics and Policy</i>		
Select one course from the following:		3-4
AEC 250	*INTRODUCTION TO ENVIRONMENTAL ECONOMICS AND POLICY	
AEC 253	*ENVIRONMENTAL LAW, POLICY, AND ECONOMICS	
AEC 351	*NATURAL RESOURCE ECONOMICS AND POLICY	
AEC 352/ECON 352	*ENVIRONMENTAL ECONOMICS AND POLICY	
AEC 432	ENVIRONMENTAL LAW	
ECON 201	*INTRODUCTION TO MICROECONOMICS	

FOR 462	NATURAL RESOURCE POLICY AND LAW	
FW 415	FISHERIES AND WILDLIFE LAW AND POLICY	
FW 422	INTRODUCTION TO OCEAN LAW	
FW 462	ECOSYSTEM SERVICES	
GEOG 340	*INTRODUCTION TO WATER SCIENCE AND POLICY	
GEOG 450	LAND USE IN THE AMERICAN WEST	
GEOG 451	PLANNING PRINCIPLES AND PRACTICES FOR RESILIENT COMMUNITIES	
PPOL 446	THE POLICY AND LAW OF U.S. COASTAL GOVERNANCE	
PPOL 447	INTEGRATED POLICY: FOOD, ENERGY, WATER, CLIMATE	
PS 473	US ENERGY POLICY	
PS 475	ENVIRONMENTAL POLITICS AND POLICY	
PS 476	*SCIENCE AND POLITICS	
PS 477	INTERNATIONAL ENVIRONMENTAL POLITICS AND POLICY	
PS 478	RENEWABLE ENERGY POLICY	
SOC 360	*POPULATION TRENDS AND POLICY	
<i>Ethics and Environmental Ethics</i>		
Select one course from the following:		3-4
ANTH 481	*NATURAL RESOURCES AND COMMUNITY VALUES	
CH 374	*TECHNOLOGY, ENERGY, AND RISK	
ES 448/PHL 448/ REL 448	NATIVE AMERICAN PHILOSOPHIES	
FES 435/TOX 435	*GENES AND CHEMICALS IN AGRICULTURE: VALUE AND RISK	
FES 485	*CONSENSUS AND NATURAL RESOURCES	
FW 340	*MULTICULTURAL PERSPECTIVES IN NATURAL RESOURCES	
GEO 309	*ENVIRONMENTAL JUSTICE	
PHL 325	*SCIENTIFIC REASONING	
PHL 440	*ENVIRONMENTAL ETHICS	
PHL 443	*WORLD VIEWS AND ENVIRONMENTAL VALUES	
PS 461	ENVIRONMENTAL POLITICAL THEORY	
SOC 456	*SCIENCE AND TECHNOLOGY IN SOCIAL CONTEXT	
SOC 480	*ENVIRONMENTAL SOCIOLOGY	
SOC 481	*SOCIETY AND NATURAL RESOURCES	
WGSS 440	*WOMEN AND NATURAL RESOURCES	
<i>Human Environment</i>		
Select one course from the following:		3-4
AG 301	*ECOSYSTEM SCIENCE OF PACIFIC NW INDIANS	
BI 301	*HUMAN IMPACTS ON ECOSYSTEMS	
BI 347	*OCEANS IN PERIL	
BI 348	*HUMAN ECOLOGY	
ENSC 479	*ENVIRONMENTAL CASE STUDIES	
FW 325	*GLOBAL CRISES IN RESOURCE ECOLOGY	
GEO 308	*GLOBAL CHANGE AND EARTH SCIENCES	
GEOG 300	*SUSTAINABILITY FOR THE COMMON GOOD	
GEOG 350	*GEOGRAPHY OF NATURAL HAZARDS	
GEOG 431	GLOBAL RESOURCES AND DEVELOPMENT	
GEOG 450	LAND USE IN THE AMERICAN WEST	
HST 481	*ENVIRONMENTAL HISTORY OF THE UNITED STATES	
OC 333	OCEANS, COASTS, AND PEOPLE	
SOC 381	SOCIAL DIMENSIONS OF SUSTAINABILITY	
SUS 102	*INTRODUCTION TO ENVIRONMENTAL SCIENCE AND SUSTAINABILITY	
SUS 350	*SUSTAINABLE COMMUNITIES	
WGSS 440	*WOMEN AND NATURAL RESOURCES	
Z 349	*BIODIVERSITY: CAUSES, CONSEQUENCES, AND CONSERVATION	
<i>Environmental Management</i>		
Select one course from the following:		3-4
BOT 413/FOR 413	FOREST PATHOLOGY	
FES 350/HORT 350	URBAN FORESTRY	

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FES 355	MANAGEMENT FOR MULTIPLE RESOURCE VALUES
FES 365	*ISSUES IN NATURAL RESOURCES CONSERVATION
FES 412	FOREST ENTOMOLOGY
FES 445/FW 445	ECOLOGICAL RESTORATION
FOR 346	TOPICS IN WILDLAND FIRE
FW 251	PRINCIPLES OF FISH AND WILDLIFE CONSERVATION
FW 323	MANAGEMENT PRINCIPLES OF PACIFIC SALMON IN THE NORTHWEST
FW 326	INTEGRATED WATERSHED MANAGEMENT
FW 435	*WILDLIFE IN AGRICULTURAL ECOSYSTEMS
FW 464	MARINE CONSERVATION BIOLOGY
GEO 306	*MINERALS, ENERGY, WATER AND THE ENVIRONMENT
GEOG 430	RESILIENCE-BASED NATURAL RESOURCE MANAGEMENT
GEOG 431	GLOBAL RESOURCES AND DEVELOPMENT
GEOG 440	CONFLICT, COOPERATION, AND CONTROL OF WATER IN THE US
GEOG 441	THE WORLD'S WATER
GEOG 452	ENVIRONMENTAL ASSESSMENT
HORT 331	*POLLINATORS IN PERIL
NR 455	NATURAL RESOURCE DECISION MAKING
RNG 341	RANGELAND ECOLOGY AND MANAGEMENT
RNG 355	DESERT WATERSHED MANAGEMENT
RNG 421	WILDLAND RESTORATION AND ECOLOGY
RNG 455	RIPARIAN ECOHYDROLOGY AND MANAGEMENT
RNG 490	RANGELAND MANAGEMENT PLANNING

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Total Credits

27-33

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Baccalaureate Core Course (BCC)

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Writing Intensive Course (WIC)

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