

ENVIRONMENT AND SUSTAINABILITY COMPREHENSIVE MAJOR: PUBLIC LAND MANAGEMENT EMPHASIS

Program Requirements

The Public Lands Management emphasis focuses on the content and skills necessary for understanding and facilitating the integration of land, water, energy, wildlife, and human societies; the integration of public and private land decisions; and the integration of the wildland-urban interface to manage diverse stakeholder values and interests toward sustainable and resilient environmental relationships. This emphasis takes advantage of Gunnison County's public lands; tremendous natural resource wealth and thus, tensions among diverse stakeholders concerning the best use of those resources; and numerous government agencies, environmental nonprofits, extractive industries, recreationists, and ranchers all actively negotiating the values of these lands.

A minimum of 62 credits is required for the Environment & Sustainability Comprehensive Major: Public Land Management Emphasis.

Public Land Management Emphasis students must take BIOL 151 in place of BIOL 130 and BIOL 135. Public Land Management Students must select MATH 213 in their menu of math courses.

Code	Title	Credits
ENVS 100	Introduction to Environment and Sustainability (GT-SS2)	3
ENVS 200	Writing the Environment	3
ENVS 250	Environmental Justice	3
ENVS 260	Introduction to Public Lands Management	4
ENVS 301	Science of Sustainability and Resilience	3
ENVS 350	U.S. and Western Environmental Politics	3
ENVS 390	Environmental Monitoring	4
ENVS 400	Applied Sustainability	3
ENVS 410	Environmental Ethics	3
ENVS 435	Environmental Grant Writing	1
ENVS 499	Internship in Environmental Studies	3
Select two of the following:		6
ANTH 377	Cultural Resource Management	
BIOL 352	Botany (with laboratory)	
BIOL 355	Spring Fungi Rocky Mountains (with laboratory)	
BIOL 430	Wildlife Ecology and Management (with laboratory)	
BIOL 440	Conservation Biology	
BIOL 467	Biology of Fishes	
BIOL 470	Fisheries Management (with laboratory)	
BIOL 476	Aquatic Ecology (with laboratory)	
BIOL 481	Forest Ecology (with laboratory)	
ENVS 325	Introduction to Soil Science	
HIST 373	History of the National Parks Service	

ROE 230	Interpretation of Natural and Cultural History	
SOC 259	Introduction to Criminal Justice	
Required Supporting Courses		
BIOL 151	Diversity and Patterns of Life (with laboratory)	4
BIOL 301	General Ecology	3
ECON 215	Environmental Economics	3
GEOG 340	Introduction to Geographic Information Systems	3
MATH 213	Probability and Statistics	3
Select one of the following:		3-4
PHYS 125	Energy and the Environment (GT-SC2)	
GEOL 101 & GEOL 105	Physical Geology (GT-SC2) and Physical Geology Laboratory (GT-SC1)	
Select one of the following:		1
HWTR 200	This Is The Headwaters	
HWTR 398	Headwaters Conference	
Select one of the following:		3
ANTH 230	Cultural Anthropology (with laboratory)	
ANTH 320	Cultural Ecology	
ENG 151	Borderlands: Representing Race, Class, Gender, and Sexuality	
POLS 250	Politics of the Environment	
POLS 340	Politics of Social Movements	
POLS 350	Human Rights	
POLS 355	The Global South	
POLS 370	Political Economy	
PSY 308	Environmental Psychology	
PSY 410	Multicultural Psychology	
PSY 457	Social Psychology	
SOC 150	Environmental Sociology	
SOC 168	Social Problems	
SOC 340	Social Movements	
SOC 380	Social Inequalities	
Total Credits		62-63

Capstone Course Requirement

The following course in the Environment and Sustainability Major fulfills the capstone course requirement: ENVS 400 Applied Sustainability.

Graduation Requirements

Undergraduate programs require a minimum of 120 semester credits for graduation. Of those 120 credits, 40 credits must be in upper-division courses (those marked 300 and above). Fifteen of these 40 upper-division credits must be earned in courses that are part of the standard or comprehensive major program being pursued.

Students are expected to review all graduation requirements, which can be found in the Western Undergraduate Catalog: Graduation Requirements (<https://catalog.western.edu/undergraduate/graduation-requirements/>).

Degree Plan

Course	Title	Credits
Year One		
Fall		
BIOL 151	Diversity and Patterns of Life (with laboratory)	4

2 Environment and Sustainability Comprehensive Major: Public Land Management Emphasis

ENG 102	Academic Writing (GT-C01)	3
ENVS 100	Introduction to Environment and Sustainability (GT-SS2)	3
Gen Ed	General Education (Area I, II, or III)	3
HWTR 100	First Year Seminar	1
HWTR 398	Headwaters Conference	1
Credits		15
Spring		
COM 202	Academic Writing and Inquiry (GT-C02)	3
Elective	Elective or minor course	3
Gen Ed	General Education (Area I, II, or III)	3
GEOL 101 & GEOL 105 or PHYS 125	Physical Geology (GT-SC2) or Energy and the Environment (GT-SC2)	3
MATH 213	Probability and Statistics	3
Credits		15
Year Two		
Fall		
Elective	Elective or minor course	2-3
ENVS 200	Writing the Environment	3
ENVS 250	Environmental Justice	3
ENVS 260	Introduction to Public Lands Management	4
Gen Ed	General Education (Area II)	3
Credits		15-16
Spring		
BIOL 301	General Ecology	3
ECON 215	Environmental Economics	3
Gen Ed	General Education (Area I or III)	9
Credits		15
Year Three		
Fall		
Elective	Elective or minor course	3
Elective	chosen from selection of classes on cultural, racial, ethnic, gender, sex, sexuality, and/or class contexts	3
ENVS 301	Science of Sustainability and Resilience	3
ENVS 325	Introduction to Soil Science	4
ENVS 350	U.S. and Western Environmental Politics	3
Credits		16
Spring		
Elective	Elective or minor course	3
ENVS 370	Water Policy and Politics (Recommended ENVS elective)	3
ENVS 390	Environmental Monitoring	4
ENVS 435	Environmental Grant Writing	1
GEOG 340	Introduction to Geographic Information Systems	3
Credits		14
Summer		
ENVS 499	Internship in Environmental Studies (Recommended but optional)	3
Credits		3
Year Four		
Fall		
Elective	Elective or minor course	12
ENVS 410	Environmental Ethics	3
Credits		15
Spring		
Elective	Elective or minor course	9
ENVS 400	Applied Sustainability	3
ENVS 499	Internship in Environmental Studies (if not taken over summer)	3
Credits		15
Total Credits		123-124