

ENVIRONMENT AND SUSTAINABILITY COMPREHENSIVE MAJOR: WATER EMPHASIS

Program Requirements

A minimum of 71 credits is required for the Environment & Sustainability Comprehensive Major: Water Emphasis.

Code	Title	Credits
BIOL 130	Environmental Biology (GT-SC2)	3
BIOL 135	Environmental Biology Laboratory (GT-SC1)	1
ECON 215	Environmental Economics	3
ENVS 100	Introduction to Environment and Sustainability (GT-SS2)	3
ENVS 200	Writing the Environment	3
ENVS 250	Environmental Justice	3
ENVS 301	Science of Sustainability and Resilience	3
ENVS 350	U.S. and Western Environmental Politics	3
ENVS 370	Water Policy and Politics	3
ENVS 373	The Water Planet	3
ENVS 376	The Colorado Water Workshop	1
ENVS 375	Seminar in Water Topics	3
ENVS 390	Environmental Monitoring	4
ENVS 400	Applied Sustainability	3
ENVS 410	Environmental Ethics	3
GEOG 340	Intro Geographic Info Systems	3
GEOL 101	Physical Geology (GT-SC2)	3
GEOL 105	Physical Geology Laboratory (GT-SC1)	1
PHYS 125	Energy and the Environment (GT-SC2)	3
Select one of the following:		1
HWTR 200	This Is The Headwaters	
HWTR 398	Headwaters Conference	
Select one of the following:		3
CHEM 101	Introduction to Inorganic Chemistry (GT-SC2)	
CHEM 111	General Chemistry I (GT-SC2)	
Select one of the following:		3
ECON 216	Statistics for Business and Economics	
MATH 113	Statistical Thinking (GT-MA1)	
MATH 213	Probability and Statistics (GT-MA1)	
SOC 211	Quantitative Research Methods	
Select two of the following:		6-7
BIOL 476	Aquatic Ecology (with laboratory)	
BUAD 410	Water Law	
ECON 370	Natural Resource Economics	
ENVS 360	Global Environmental Policy	
ROE 293	Outdoor Pursuits Education - Water w/ Lab	
Select one of the following:		3-6
ENVS 420	Natural History of the Gunnison Basin	
ENVS 430	Watersheds of the World	

ENVS 499	Internship in Environmental Studies	
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 Class, Status, and Power	

Total Credits 71-75

Admission to Recreation and Outdoor Education courses for declared Water Emphasis students is based on instructor permission and available seats.

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/>).

Course	Title	Credits
Year One		
Fall		
HWTR 100	First Year Seminar	1
ENVS 100	Introduction to Environment and Sustainability (GT-SS2)	3
BIOL 130 & BIOL 135	Environmental Biology (GT-SC2) and Environmental Biology Laboratory (GT-SC1)	4
ENG 102	Writing and Rhetoric I (GT-C01)	3
CHEM 101 or CHEM 111	Introduction to Inorganic Chemistry (GT-SC2) or General Chemistry I (GT-SC2)	3
		14
Spring		
MATH 113	Statistical Thinking (GT-MA1)	3
PHYS 125	Energy and the Environment (GT-SC2)	3
ENG 103	Writing and Rhetoric II (GT-C02)	3
Elective	Elective	3
GEOL 101	Physical Geology (GT-SC2) (Area II Gen Ed)	3

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GEOL 105	Physical Geology Laboratory (GT-SC1) (Area II Gen Ed)	1
Credits		16
Year Two		
Fall		
ENVS 200	Writing the Environment	3
ENVS 250	Environmental Justice	3
HWTR 398	Headwaters Conference	1
Gen Ed	General Education (Area I or III)	3
Gen Ed	General Education (Area I or III)	3
Elective	Elective	3
Credits		16
Spring		
ECON 215	Environmental Economics	3
Gen Ed	General Education (Area I or III)	12
Credits		15
Year Three		
Fall		
ENVS 350	U.S. and Western Environmental Politics	3
ENVS 370	Water Policy and Politics	3
or ENVS 375	or Seminar in Water Topics	
ENVS 370 and ENVS 375 are offered in alternating fall semesters.		
ENVS 373	The Water Planet	3
Elective	Elective	6
Credits		15
Spring		
BIOL 301	General Ecology	3
ENVS 301	Science of Sustainability and Resilience	3
ENVS 390	Environmental Monitoring	4
Elective	chosen from selection of classes on cultural, racial, ethnic, gender, sex, sexuality, and/or class contexts	3
Elective	Elective	3
Credits		16
Summer		
ENVS 376	The Colorado Water Workshop	1
Credits		1
Year Four		
Fall		
GEOG 340	Intro Geographic Info Systems	3
ENVS 370	Water Policy and Politics	3
or ENVS 375	or Seminar in Water Topics	
ENVS 370 and ENVS 375 are offered in alternating fall semesters.		
Water Elective	ROE 293 or ECON 370 or ENVS 360 or BIOL 467 or BIOL 476	3
Elective	Elective	6
Credits		15
Spring		
ENVS 400	Applied Sustainability	3
ENVS 410	Environmental Ethics	3
ENVS 499	Internship in Environmental Studies	3
or ENVS 420	or Natural History of the Gunnison Basin	
or ENVS 430	or Watersheds of the World	
Elective	Elective	3
Water Elective	ROE 293 or ECON 370 or ENVS 360 or BIOL 467 or BIOL 476	3
Credits		15
Total Credits		123