

ENVIRONMENT AND SUSTAINABILITY COMPREHENSIVE MAJOR: CLIMATE ACTION PLANNING EMPHASIS

Program Requirements

The Climate Action Planning emphasis will provide the essential tools for climate planning which include assessing vulnerability to climate change and preparing for the future. The emphasis prepares students to identify and prioritize specific implementation steps in the electricity, transportation, land use, and waste management sectors. This includes an understanding of policies designed to mitigate climate change or help communities adapt, as well as quantitative approaches to measuring vulnerability and evaluating various paths forward.

A minimum of 61 credits is required for the Environment & Sustainability Comprehensive Major: Climate Action Planning Emphasis.

Code	Title	Credits
BUAD 305	Applied Energy Seminar	3
ENVS 100	Introduction to Environment and Sustainability (GT-SS2)	3
ENVS 200	Writing the Environment	3
ENVS 210	Introduction to Climate Policy	3
ENVS 250	Environmental Justice	3
ENVS 301	Science of Sustainability and Resilience	3
ENVS 320	Quantitative Skills for Climate Action Planning	3
ENVS 350	U.S. and Western Environmental Politics	3
ENVS 380	Advanced Climate Policy	3
ENVS 390	Environmental Monitoring	4
ENVS 400	Applied Sustainability	3
ENVS 410	Environmental Ethics	3
ENVS 435	Environmental Grant Writing	1
ENVS 440	Climate Action Planning	3
ENVS 499	Internship in Environmental Studies	3
Required Supporting Courses		
BIOL 130	Environmental Biology (GT-SC2)	3
BIOL 135	Environmental Biology Laboratory (GT-SC1)	1
ECON 215	Environmental Economics	3
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
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 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 61

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		
HWTR 100	First Year Seminar	1
ENVS 100	Introduction to Environment and Sustainability (GT-SS2)	3
BIOL 130	Environmental Biology (GT-SC2)	3
BIOL 135	Environmental Biology Laboratory (GT-SC1)	1
ENG 102	Writing and Rhetoric I (GT-CO1)	3
Gen Ed	General Education (Area I, II, or III)	3
Credits		14
Spring		
MATH 113	Statistical Thinking (GT-MA1)	3
Elective	Elective	3
PHYS 125	Energy and the Environment (GT-SC2)	3
ENG 103	Writing and Rhetoric II (GT-CO2)	3
Gen Ed	General Education (Area I, II, or III)	3
Credits		15
Year Two		
Fall		
HWTR 398	Headwaters Conference	1
ENVS 200	Writing the Environment	3
Gen Ed	General Education (Area II)	3
Gen Ed	General Education (Area I or III)	3

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Elective	Elective or minor course	3
ENVS 250	Environmental Justice	3
Credits		16
Spring		
ECON 215	Environmental Economics	3
Gen Ed	General Education (Area I or III)	3
Gen Ed	General Education (Area I or III)	3
ENVS 210	Introduction to Climate Policy	3
Elective	Elective or minor course	3
Credits		15
Year Three		
Fall		
BUAD 305	Applied Energy Seminar	3
ENVS 301	Science of Sustainability and Resilience	3
ENVS 350	U.S. and Western Environmental Politics	3
Elective	chosen from selection of classes on racial, gender, sex, and/or class contexts	3
Elective	Elective	3
Credits		15
Spring		
ENVS 360 or ENVS 370 or ENVS 373	Global Environmental Policy or Water Policy and Politics or The Water Planet	3
ENVS 320	Quantitative Skills for Climate Action Planning	3
ENVS 390	Environmental Monitoring	4
Elective	Elective or minor course	3
Elective	Elective	3
Credits		16
Summer		
ENVS 499	Internship in Environmental Studies (Recommended but optional)	3
Credits		3
Year Four		
Fall		
ENVS 380	Advanced Climate Policy	3
ENVS 435	Environmental Grant Writing	1
Elective	Elective or minor course	4
Elective	Elective or minor course	3
ENVS 410	Environmental Ethics	3
Credits		14
Spring		
ENVS 499	Internship in Environmental Studies (if not taken over summer)	3
Elective	Elective or minor course	3
Elective	Elective or minor course	3
ENVS 430	Watersheds of the World	3
ENVS 400	Applied Sustainability	3
Credits		15
Total Credits		123