

ENVIRONMENTAL SUSTAINABILITY

Department of Earth and Environmental Sciences (<https://cas.umw.edu/ees/>)

Sustainability is usually defined as the ability to meet the resource needs of the current generation without compromising the ability of future generations to meet their own needs. At UMW, we consider four aspects of sustainability: environmental, social, economic, and cultural sustainability. The goal of the Environmental Sustainability minor is to encourage students to analyze our natural and social worlds and to examine approaches to resolving critical resource issues for the long-term. The core classes provide a common introduction to the scientific study of the environment and issues of sustainability. Students then add three additional elective classes that appeal to particular interests and their respective applications of sustainability concepts. Completing this minor will better prepare students for the complex, interdisciplinary challenges our society faces.

Minor Requirements

Eighteen to twenty-one (18–21) credits.

Code	Title	Credits
EESC 110	Environmental and Ecological Systems	3
EESC 230	Global Environmental Problems	3
EESC 326	Pollution Prevention Planning	3
or EESC 330	Environmental Regulations	
Select at least 9 credits of the following: ¹		9-12
ANTH 365	Environment and Development Narratives: The Modern Myths of Nature and Progress	
EESC 121	Oceanography	
EESC 307	Environmental Soil Science	
EESC 315	Hydrogeology	
EESC 325	Environmental Geochemistry	
EESC 326	Pollution Prevention Planning	
EESC 330	Environmental Regulations	
EESC 340	Energy Resources and Technology	
EESC 355	Icehouse-Greenhouse Earth	
EESC 360	Environmental Exploration	
EESC 421	Special Topics	
EESC 481	Readings	
EESC 499	Internship	
BIOL 424	Tropical Ecology	
BIOL 428	Conservation Biology	
ECON 351C	Poverty, Affluence, and Equality	
GEOG 245	Environment and Society	
GEOG 339A	Development Studies	
GEOG 361	Sustainability in Guatemala	
HIST 322	US Environmental History	
PHIL 330	Environmental Ethics	
PHIL 430	Seminar: Ethics, Environment, & Sustainability	
SOCG 354	Environmental Sociology	
SPAN 345	Ideas on Nature in Latin American Literature	

Up to three (3) credits in applicable Special Topics Courses, Individual Studies, Internships, or Study Abroad experiences may count as an elective with approval by the minor program director.

Total Credits

18-21

¹ At least two of the three elective courses must be at the 300-level or higher.

Earth and Environmental Sciences Faculty

Jodie L. Hayob, Chair

Jodie L. Hayob, Career Advisor (Geology)

Melanie D. Szulczewski, Career Advisor (Environmental Science)/

Program Director, (Environmental Sustainability Minor)

Professors

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