

Sustainability Co-Major

For more information, contact the Institute for the Environment and Sustainability, 118 Shideler Hall, 513-529-5811.

The Sustainability Co-major emphasizes human-nature interaction in understanding environmental patterns and processes. Students are prepared to pursue a wide variety of career paths and post-graduate degrees in sustainability, especially those with design, management, and policy specializations. The term "co-major" indicates that students must complete another major at Miami University. The Sustainability Co-major complements the primary major, which provides significant depth and breadth in an academic discipline. There is no specific degree designation for the co-major; students receive the degree designation of their primary major.

Program Requirements

(37-42 semester hours)

Complete a major in one of the divisions of the university.

Code	Title	Credit Hours
Introductory Experience		
IES 274	Introduction to Environment and Sustainability	3
Foundations to Sustainability		
Ecological Dimensions:		
Select one of the following:		3
BIO 131	Plants, Humanity, and Environment	
BIO 121	Environmental Biology	
BIO 176	Ecology of North America	
Physical Dimensions:		
Select one of the following:		4
GEO 121	Earth's Physical Environment	
GLG 121 & GLG 115L	Environmental Geology and Understanding the Earth	
Social Dimensions:		
Select one of the following:		3
ARC 188	Ideas in Architecture	
ATH 175	Global Cultural Diversity	
ECO 131	Equality, Poverty, and Opportunity: Economic Perspectives	
ECO 201	Principles of Microeconomics	
GEO 101	Global Forces, Local Diversity	
POL 261	Public Administration	
Integrative Perspectives		
Natural Resources & Ecosystems:		
Select one of the following:		3-4
BIO 204	Evolution of Plant Biodiversity: Genes to Biosphere	
BIO 206	Evolutionary Biology	
BIO 209	Fundamentals of Ecology	
GEO 271	Human Dimensions of Natural Resource Conservation	
Select two of the following: ¹		6-8

BIO/GEO 431	Global Plant Diversity	
BIO/MBI 433	Field Ecology	
BIO 351	Environmental Education: Focus on Natural History	
BIO 467	Conservation Biology	
BIO 463	Limnology	
CHM 491	Chemistry in Societal Issues	
GEO 333	Global Perspectives on Natural Disasters	
GEO 425	Hydrogeography	
GEO 426	Watershed Management	
GLG 307	Water and Society	
GLG 335	Ice Age Earth	
GLG 408	Introduction to Hydrogeology	
GLG 428	Hydrogeological Modeling: Groundwater Flow and Contaminant Transport and Fate	
Social Systems & Human Landscape:		
Select one of the following:		3
IES 211	Energy and Policy	
BUS/IES 494	Sustainability Perspectives in Resources and Business	
GEO 454	Urban Geography	
IES 419	Environment, Society & Justice	
or SJS 419	Environment, Society & Justice	
Select two of the following: ¹		6-7
ARC 406	Seminars (406C: Sustainable Design Case Studies)	
ARC 413	Environmental Systems I	
ATH 471	Ecological Anthropology	
ECO 406	Environmental Economics	
GEO 451	Urban and Regional Planning	
IES/ENG 264	Environmental Literature	
IES 431	Principles and Applications of Environmental Science	
IES 450	Environmental Law	
MKT 412	Sustainable Marketing Management	
MME 451	Sustainability Considerations in Design and Development	
PHL 376	Environmental Philosophy	
POL 362	Public Management, Leadership, and Administrative Politics	
POL 363	Administrative Law	
WGS/GEO 406	Indigenous Peoples and Their Sacred Lands	
WGS/GEO 436	Women, Gender, and the Environment	
Environmental Measures & Metrics:		
Select one of the following:		3-4
GEO 441	Geographic Information Systems	
GEO 444	GIScience Techniques in Landscape Ecology	
IES 411	Environmental Protocols	
ISA 225	Principles of Business Analytics	
STA 261	Statistics	

STA 301 Applied Statistics

STA 475 Data Analysis Practicum

Project-Based Synthesis:

IES 474 Sustainability in Practice 3

Total Credit Hours 37-42

¹ A workshop or one-time seminar on sustainability may be substituted with permission of advisor.