

Geography and Sustainable Development- Bachelor of Arts

Geography and Sustainable Development majors integrate the social and natural sciences to address 21st century social, economic, and environmental challenges. They synthesize geographic information using qualitative and quantitative techniques, including geospatial mapping technologies and data science. Students apply critical thinking, communication, and technical skills through individualized research and field experiences. They are prepared for purposeful careers in sustainable development and policy; environment and natural resource management; culture, citizenship and social justice; and geospatial techniques and applications.

Program Requirements

(36 semester hours)

Code	Title	Credit Hours
Geography and Sustainable Development Foundations		9-10
GEO 101 or GEO 111	Global Forces, Local Diversity World Regional Geography: Patterns and Issues	
GEO 121 or GEO 122	Earth's Physical Environment Geographic Perspectives on the Environment	
GEO 211	Global Change	
Geospatial Analysis and Techniques		6-7
GEO 242	Mapping a Changing World	
GEO 221 or GEO 441 or GEO 448 or STA 261	Regional Physical Environments Geographic Information Systems Techniques and Applications of Remote Sensing Statistics	
Sustainable Development Perspectives		3
Choose one from the following.		
GEO 201 GEO 271	Geography of Urban Diversity Human Dimensions of Natural Resource Conservation	
GEO 276	Geography of the Global Economy	
GEO 302	Geography and Gender	
GEO 378	Political Geography	
IES 274	Introduction to Environment and Sustainability	
Place and Region		3-6
Choose one from the following.		
GEO 288 GEO 412 GEO 413	Geographic Field Study Abroad Tropical Ecosystems of Costa Rica Tropical Marine Ecology	
GEO 208	The Rise of Industrialism in East Asia	
GEO 301	Geography of Sub-Saharan Africa	
GEO 309	Native American Women	

GEO 406	Indigenous Peoples and Their Sacred Lands	
Applications and Areas of Focus		12
Select at least 12 hours from any of the following:		
Sustainable Development and Policy		
GEO 408	Geography of the Silk Road (The Heart of Asia)	
GEO 436	Women, Gender, and the Environment	
GEO 451	Urban and Regional Planning	
GEO 454	Urban Geography	
GEO 459	Advanced Urban and Regional Planning	
GEO 467	Land Use, Law and the State: Geographic Perspectives	
GEO 475	Global Periphery's Urbanization	
GEO 476	Global Poverty	
Environment and Natural Resource Management		
GEO 333	Global Perspectives on Natural Disasters	
GEO 354	Geomorphology	
GEO 425	Hydrogeography	
GEO 426	Watershed Management	
GEO 428	Soil Geography	
GEO 431	Global Plant Diversity	
GEO 432	Ecoregions of North America	
GEO 436	Women, Gender, and the Environment	
Culture, Citizenship, and Social Justice		
GEO 302	Geography and Gender	
GEO 309	Native American Women	
GEO 378	Political Geography	
GEO 406	Indigenous Peoples and Their Sacred Lands	
GEO 455	Race, Urban Change, and Conflict in America	
GEO 457	Global Cities, World Economy	
GEO 462	Citizenship and the City	
GEO 475	Global Periphery's Urbanization	
GEO 476	Global Poverty	
Geospatial Applications		
GEO 441	Geographic Information Systems	
GEO 442	Advanced Geographic Information Systems	
GEO 443	Python Programming for ArcGIS	
GEO 444	GIScience Techniques in Landscape Ecology	
GEO 445	Geographic Information Systems for Criminal Justice	
GEO 448	Techniques and Applications of Remote Sensing	
Capstone Experience		3-4
GEO 491 or GEO 493	Senior Seminar Urban Field Experience	
Total Credit Hours		36-42

¹ Students are encouraged to consult with their advisor (mary.henry@miamioh.edu) and review departmental publications for suggested specialization courses that align with each student's interests and post-graduation plans.

Note: Students seeking the Bachelor of Arts in Geography and Sustainable Development meet the College of Arts and Science writing in the major requirement by completing the following courses: GEO 211 and GEO 491.