

Environmental Science and Management, Minor

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Requirements

Environmental science is the study of the Earth's surface, including its water and atmosphere, with a particular focus on their relationship to humans and other living things. Environmental science applies chemistry, physics, mathematics, and biology to answer questions about the Earth and its interrelationships with living things. Environmental management focuses on the maintenance of environmental resources, for example water resources. Environmental scientists may conduct studies in the field, in the laboratory using advanced analytical equipment, and in the office using specialized computer software. The program is preparation for a variety of career paths, including water monitoring, treatment, and pollution control with local, state, or federal agencies; environmental consulting with private industry; and other careers that draw on a background in the natural sciences, including law, public policy, and public health.

Total Program Credits: 21

Discipline Core Requirements:		10 Credits
Required Courses		
ENVT 1110	Introduction to Environmental Management PP	3
ENVT 2560	Environmental Health	3
ENVT 2710	Environmental Careers	1
ENVT 3850	Environmental Policy WE	3
Elective Courses:		11 Credits
Complete at least 11 credits from the following list, at least six need to have an ENVT designation. In addition, at least eight credits must be 3000-level or higher.		11
Environmental Science and Management		
ENVT 1200	Environmental Worker Safety (3)	
ENVT 1270	Environmental Microbiology (3)	
ENVT 1300	Environmental Lab and Sampling (3)	
ENVT 1510	Hazardous Materials Emergency Response (3)	
ENVT 2730	Introduction to Soils (4)	
ENVT 3010	Environmental Toxicology (3)	
ENVT 3210	Water Quality and Reclamation (3)	
ENVT 3280	Environmental Law (3)	
ENVT 3290	Environmental Reporting WE (3)	
ENVT 3320	Hydraulics of Water (3)	
ENVT 3330	Water Resources Management (3)	
ENVT 3530	Environmental Management Systems (3)	
ENVT 3550	Site Investigation (3)	
ENVT 3750	Land Use Planning (3)	
ENVT 3790	Applied Hydrology (4)	
ENVT 3800	Energy Use on Earth (3)	
ENVT 482R	Geologic Environmental Internship (1-3)	

ENVT 495R	Special Projects in Environmental Management (1-3)	
Geography		
GEOG 2000	Sustainability and Environment SS (3)	
GEOG 3400	Environmental Remote Sensing (3)	
GEOG 3500	Geomorphology WE (4)	
GEOG 3600	Introduction to Geographic Information Systems (4)	
GEOG 3650	Advanced Geographic Information Systems (4)	
GEOG 3700	Wetland Studies (3)	
GEOG 3705	Wetland Studies Laboratory (1)	
GEOG 4100	Geospatial Field Methods (3)	
Geology		
GEO 1010	Introduction to Geology PP (3)	
GEO 1015	Introduction to Geology Laboratory (1)	
GEO 1080	Introduction to Oceanography PP (3)	
GEO 1085	Introduction to Oceanography Laboratory (1)	
GEO 3000	Environmental Geochemistry (3)	
GEO 3100	Isotope Geochemistry (3)	
GEO 3105	Isotope Geochemistry Laboratory (1)	
GEO 3200	Geologic Hazards (4)	
GEO 3205	Geologic Hazards Laboratory (1)	
At most 4 credits of the following may be used towards elective requirements:		
BIOL 2500	Environmental Biology BB (3)	
BIOL 3700	General Ecology (3)	
BIOL 3800	Conservation Biology (3)	
BOT 4050	Plant Ecology (3)	
CHEM 3020	Environmental Chemistry (3)	
CHEM 3025	Environmental Chemistry Laboratory (3)	
ENST 3000	Introduction to Environmental Studies (3)	
Or other electives approved by the chair of the Earth Science Department		

Graduation Requirements

- Grade of C- or higher in all courses used to satisfy requirements of the minor.

Environmental Science and Management, Minor

Environmental Science and Management, Minor *Graduation Plan*

This graduation plan is a sample plan and is intended to be a guide. Your specific plan may differ based on your Math and English placement and/or transfer credits applied. You are encouraged to meet with an advisor and set up an individualized graduation plan in [Wolverine Track](#).

Semester 1	Course Title	Credit Hours
ENVT 1110	Introduction to Environmental Management PP	3
	Semester total:	3
Semester 2	Course Title	Credit Hours
ENVT 2710	Environmental Careers	1
ENVT 2560	Environmental Health	3
	Semester total:	4
Semester 3	Course Title	Credit Hours
ENVT 3850	Environmental Policy WE	3
Minor Elective		3
	Semester total:	6
Semester 4	Course Title	Credit Hours
Minor Elective		4
	Semester total:	4
Semester 5	Course Title	Credit Hours
Minor Elective		4
	Semester total:	4
	Degree total:	21