Sustainability Sciences, Graduate Certificate

Overview

Environmental sustainability challenges are inherently complex and multidisciplinary and will require a workforce capable of collaborating across interdisciplinary teams. Thus, it is critical that the next generation of sustainability scientists and engineers receive broad, interdisciplinary training so that they are better prepared to address these complex challenges. This certificate will provide social science and engineering students with fundamental training in sustainability science.

Program Requirements

Complete all courses and requirements listed below unless otherwise indicated.

Core Requirements

Code	Title	Hours
Required Courses		
Introduction to Sustainability Science		
ENVR 6102	Environmental Science and Policy Seminar 2	4
Physical and Environmental Processes and Systems		
Complete one of the following:		4
ENVR 5150	Climate and Atmospheric Change	
ENVR 5600	Coastal Processes, Adaptation, and Resilience	
ENVR 5670	Global Biogeochemistry	
ENVR 5700	Streams and Watershed Ecology	
Environmental Planning, Management, and Sustainability		
Complete one of the following:		4
EEMB 6475	Advanced Wildlife Ecology	
ENVR 5210	Environmental Planning	
ENVR 5220	Ecosystem-Based Management	
ENVR 5350	Sustainable Energy and Climate Solutions	
ENVR 5750	Urban Ecology	
ENVR 5800	Climate Adaptation and Nature-Based Solutions	
ENVR 6150	Food Security and Sustainability	
Research and Analytical Skills Development		
Complete one of the following:		4
EEMB 5130	Population Dynamics	
ENVR 5450	Applied Social-Ecological Systems Modeling	
ENVR 5500	Advanced Biostatistics	
ENVR 5984	Research	

Program Credit/GPA Requirements

16 total semester hours required
Minimum 3.000 GPA required