

# MINOR: ENVIRONMENTAL SUSTAINABILITY

## Student Learning Outcomes

Students graduating from this program will:

- Sustainability students can describe the interactions and feedbacks of Earth systems, have knowledge of environmental policy and urban planning, and are engaged in sustainability issues at many scales.
- Sustainability students will be actively involved with diverse communities throughout their course work, and assess sustainability challenges from multiple cultural perspectives and through world experiences.
- Sustainability students will demonstrate this learning through the application of advanced sustainable knowledge, quantitative, and analytical skills in their application to new settings and complex problems.
- Sustainability students will have the ability to characterize human-environmental interactions analytically and communicate their findings effectively.

## Program Description

Global populations are becoming predominantly urban and the state of the environment is central to issues of quality of life, health and safety. The Sustainability minor program provides students with the most innovative preparation in urban environmental sustainability through course work that cross cuts multiple disciplines and focuses on integrative solutions. Students develop a foundation knowledge in Earth systems. Students engage the challenges of sustainability through course work and community problem solving in sustainable thinking, planning, policy, and design. Undergraduate students gain essential life skills, a foundation in complex environmental and human systems, and critical problem solving skills.

## Program Requirements

Code	Title	Credits
<b>Required</b>		
Take three hours of the following:		3
ENV-SCI 496	Environmental Internship	
<b>Earth Systems and Resources</b>		
Select one of the following:		3-4
GEOG 215	Weather and Climate	
GEOG 406	Global Environmental Change	
ENV-SCI 449	Global Water and Sustainability	
GEOG 360	Principles of Biogeography	
<b>Sustainable Thinking</b>		
Select one of the following:		3
PHILOS 370	Environmental Ethics And Policy	
POL-SCI 380	Political Science And Politics	
<b>Sustainable Planning and Policy</b>		
Select one of the following:		3
ANTHRO 331	Urban Anthropology	
ENV-SCI 321	Climate Change Impact Assessment and Policy Response	
SOCIOL 431	Social Organization Of The City	
UPD 430	Planning For Historic Preservation	
<b>Sustainable Design</b>		
Select one of the following:		3
ECON 420	Environment, Resources And Economic Growth	
LAW 8757N	Entrepreneurship & New Venture Creation	
UPD 432	Urban Environment Planning And Design	
<b>Analytical Tools</b>		
Select one of the following:		3-4
GEOG 401	Advanced Geographic Information Science	
GEOG 450	Gis Fundamentals for Research Applications	
GEOG 444	Spatial Data Analysis	

UPD 420

Transportation Planning

Total Credits

18-20

Courses which do not apply as credit in the Minor program are: GEOG 417, GEOG 398, GEOG 499WI, GEOLOGY 398, GEOLOGY 499WI

## Requirements

Minimum of 18 hours, Minimum of 9 hours from UMKC

Minimum of 9 Junior/Senior (300/400) level courses.