

SUSTAINABILITY MINOR

The Sustainability Minor provides students a wide breadth of knowledge, content, and context in the increasingly important, globally relevant area of sustainability and climate change. This is a unique interdisciplinary minor combining courses from the John B. and Lillian E. Neff College of Business as well as the College of Natural Sciences and Mathematics, the College of Engineering, and the College of Arts and Letters. Each of the four required courses are taught in a different college which provides students a rich and varied experience that spans multiple disciplines, ideas, challenges, and solutions regarding sustainability. The minor requirements are the same for any student regardless of what is listed as their "home" college. Because of this, the minor requirements are somewhat different from other minors in the College of Business.

General advising issues should be directed to the College of Business and Innovation's Office of Student Retention and Academic Success in SB 3130 or cobiadvising@utoledo.edu.

Code	Title	Hours
Program Requirements - 5 Courses - 15 hours		
<i>Required - 3 Courses - 9 hours</i> Any courses in this list not taken as a Required Course may be taken as an Elective Course. 9		
GNEN 1500	Sustainability Living	
BUAD 3500	Sustainable Business Practices	
EEES 2020	Introduction to the Environment: Energy and Climate	
	or EEES 2030 Introduction to the Environment Land-Use and Water	
PHIL 3180	Environmental Ethics	
<i>Electives - 2 Courses - 6 hours - Select two from:</i> 6		
GENERAL ELECTIVE COURSES		
CHEM 1100	Chemistry And Society	
GEPL 1100	Environmental Sustainability	
EEES 1010	Physical Geology	
EEES 1150	Marine Biology	
EEES 2100	Fundamentals Of Geology	
EEES 2150	Biodiversity	
EEES 2200	Climate Change	
EEES 3600	Oceanography	
BUAD 3020	Principles Of Manufacturing And Service Systems	
IBUS 4360	Global Business	
Total Hours		15

Code	Title	Hours
SOCIAL SCIENCE FOCUS – SUGGESTED ELECTIVE COURSES		
EEES 4850	Dimensions of Sustainability	
ECON 3240	Environmental Economics	
ECON 3260	The Economics of Climate Change	
ECON 3270	Natural Resource Economics - WAC	
ECON 4240	Applied Environmental Economics	
GEPL 3900	Environmental Planning	

GEPL 4160	Patterns Of World Development	
PSC 4340	Environmental Policy	
Code	Title	Hours
STEM FOCUS – SUGGESTED ELECTIVE COURSES		
EEES 4850	Dimensions of Sustainability	
CHEM 4200	Green Chemistry	
CHEM 4210	Environmental Chemistry	
PHYS 3400	Physical Principles Of Energy Sources For Humans	
CHEE 4120	Biofuels	
CIVE 4690	Sustainability Engineering	
MIME 4410	Alternative Energy	
MIME 4820	Sustainability Analysis and Design	

- PLO 1. Discuss the history of the environmental movement and environmental science process.
- PLO 2. Identify the components of sustainability.
- PLO 3. Compare the different ways of evaluating environmental impacts and identify behavioral changes that reduce environmental impact.
- PLO 4. Critically analyze the concept of sustainability, especially with respect to economic, social, and ecological dimensions.
- PLO 5. Articulate and apply the key concepts and processes of sustainability as they relate to businesses (e.g., triple bottom line, social responsibility, systems thinking, life cycle analysis, social entrepreneurship, base of the pyramid).
- PLO 6. Discuss the role and responsibilities of business in society.