

# Interested in a Sustainability Minor?

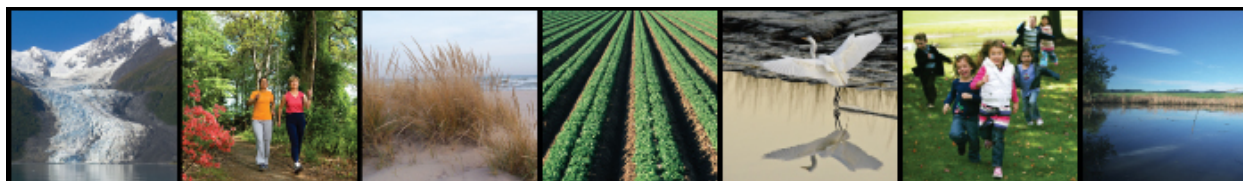


Image from: [www.enviroatlas.epa.gov/enviroatlas](http://www.enviroatlas.epa.gov/enviroatlas)

The **Sustainability Minor** was created to allow all students the opportunity to develop a solid mastery of the fundamental components of sustainability and its applications across multiple disciplines. The program allows for student choice and ensures all students learn core sustainability concepts.

ISDI 2100 Issues in Sustainability (SSDI)	3 credits
Environmental Systems - complete two of the following courses:	6-8 credits
BI 2070 Botany	
BI 3240 Conservation (DICO) (GACO) (INCO)*	
BI 4050 Ecology (QRCO) (WRCO)*	
BI 4800 Current Environmental Issues*	
CH 3600 Environmental Chemistry (INCO)*	
EPL 3150 Introduction to Permaculture	
ESDI 2500 Environmental Science (SIDI)	
ESDI 2610 Earth Systems Science: The Hazardous Earth (SIDI)	
GEDI 1200 Environmental Geography (SIDI)	
MTDI 1200 Weather and Climate (SIDI)	
MT 2800 Climatology (GACO)*	
MT 4440 Climate Change (INCO)*	
Social and Economic Systems – complete two of the following courses:	6 credits
AR 3570 The Art of Sustainability (INCO)*	
BU 3220 Business and the Environment	
EPL 3100 Environmental Planning*	
EPL 3270 Sustainability in Residences	
ESP 3270 Sustainable Structures	
PY 3310 Environmental Ethics (INCO) (WECO)	
PY 3330 Business Ethics (DICO) (INCO)	
PY 3610 Philosophy of Technology (INCO) (TECO)	
SO 3600 Sustainability in Practice (WECO)	
IS 4460 Sustainability Capstone (INCO)*	3 credits
<b>Total:</b>	<b>18-20 credits</b>
<b>Notes:</b> *course has prerequisites;	
Four of the required six courses must be taken at the 3000/4000 level;	
No more than six credits may double count with a student's major.	

For more information visit the web: <https://www.plymouth.edu/sustainability/sustainability-minor-program/>  
 Or contact a member of the Sustainability Council: Kathleen F. Bush, Brian W. Eisenhauer, Patrick May, Mary Ann McGarry, Maria A. Sanders, Amy M. Villamagna, Stephen W. Whitman

## **Sustainability Minor Goals and Objectives**

### **Program Goals:**

- A. Integrate Sustainability across campus curriculum
- B. Ensure that a range of Majors use the minor
- C. Advance Sustainable Systems on campus and in community through civic engagement
- D. Promote awareness of sustainability among students, faculty, and staff
- E. Integrate theoretical and practical perspectives on sustainability
- F. Connect sustainability at scales ranging from individual to global
- G. Develop awareness of professional opportunities and applications

### **Program Elements / Curriculum Components:**

- a. Applied project experiences -Group collaborative (team) experience -Individual capstone experience
- b. Foundation course – Potentially integrate with general education program requirements
- c. Community partnerships
- d. Exposure to professionals in sustainability fields
- e. Portfolio development (including a statement of how program learning objectives are met)
- f. Interdisciplinary (scientific and ethical basis for understanding sustainability)

### **Learning objectives:**

1. Define and explain sustainability and appreciate how concepts of sustainability are connected to issues of social justice, environment, economy at local, regional, and global levels.
2. Demonstrate scientific and ethical understanding of key sustainability concepts, including planetary carrying capacity, population growth, climate change, and ecological footprint.
3. Explain ways in which natural resources are used to produce what they consume, such as the food they eat, the water they drink, and the energy they use.
4. Exhibit critical thinking skills and a systems thinking approach to sustainability issues at a variety of scales (local to global) and contexts (economic, environmental, ethical, and social).
5. Explain core concepts of relevant basic natural science, social science, and ethical concepts relating to sustainability (such as ecology) and develop skills relevant to their chosen field to provide a basis for environmental sustainability.
6. Demonstrate holistic thinking about sustainability using perspectives across multiple disciplines.
7. Explain how sustainability relates to their lives and their values, and how their actions impact issues of sustainability at the individual, and at local, regional, and global levels.
8. Connect the theories of sustainability to organizational change and become effective change agents

## Sustainability Minor Course Planning

**Complete the following two core courses (6 credits):**

COURSE	CREDITS	OFFERED	SCHEDULED ENROLLMENT
ISDI 2100 Issues in Sustainability (SSDI) Falls	3	Fall	
IS 4460 Sustainability Capstone (INCO)*	3	Spring	

**Environmental Systems - complete two of the following courses (6-8 credits):**

COURSE	CREDITS	OFFERED	SCHEDULED ENROLLMENT
BI 2070 Botany	4	Spring	
BI 3240 Conservation (DICO) (GACO) (INCO)*	3	Fall	
BI 4050 Ecology (QRCO) (WRCO)*	4	Fall	
BI 4800 Current Environmental Issues*	3	Spring	
CH 3600 Environmental Chemistry (INCO)*	4	Spring	
EPL 3150 Introduction to Permaculture	3	Spring	
ESDI 2500 Environmental Science (SIDI)	4	Fall/Spring	
ESDI 2610 Earth Systems Science (SIDI)	4	Spring	
GEDI 1200 Environmental Geography (SIDI)	3	Fall/Spring	
MTDI 1200 Weather and Climate (SIDI)	3	Fall/Spring	
MT 2800 Climatology (GACA)*	3	Spring	
MT 4440 Climate Change (INCO)*	3	Spring	

**Social and Economic Systems – complete two of the following courses (6 credits):**

COURSE	CREDITS	OFFERED	SCHEDULED ENROLLMENT
AR 3570 The Art of Sustainability (INCO)*	3	Fall/Spring	
BU 3220 Business and the Environment	3	Spring	
EPL 3100 Environmental Planning*	3	Fall	
EPL 3270 Sustainability in Residences	3	Fall	
ESP 3270 Sustainable Structures	3	Spring	
PY 3310 Environmental Ethics (INCO) (WECO)	3	Spring	
PY 3330 Business Ethics (DICO) (INCO)	3	Fall	
PY 3610 Philosophy of Technology (INCO) (TECO)	3	Spring	
SO 3600 Sustainability in Practice (WECO)	3	Fall	

**Total:**

**18-20 credits**

**Notes:** \*course has prerequisites;

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