

# Minor in Sustainability

## Program Requirements

The minor consists of a minimum 15 credit hours with the following breakdown:

- Core courses: 6 credit hours
- Content areas: 6 credit hours
- In practice: 3 credit hours
- Electives: as needed

The minor must consist of at least 3 credit hours of unduplicated coursework, at least 6 credit hours taken at 300+ level, and at least 6 credit hours from outside the student's home department.

### Core (6 Credit Hours)

Successfully complete two of the following courses, with a minimum GPA of 2.000, to apply for this minor.

Course	Title	Hours
BIOL 370	Introductory Environmental Science	3
ME/PHYS 702	Energy and Sustainability	3
APEN 370	Environmental Engineering Technology	3
GEOL 200	Introduction to Environment and Sustainability	3
GEOL 300	Energy, Resources and Environment	3
ME 360D	Sustainability and Technology	3
PHS 416	Foundations of Environmental Health	3
FYMP 102A	First-Year Seminar: Energy Science and The Environment	3
FYGE 102U	First-Year Seminar: Building a Sustainable Planet	3

### Content Areas (6 Credit Hours)

Select two of the following content areas and take at least 6 credit hours of courses.

Course	Title	Hours
<b>Behavioral and Social</b>		
EEPS 721	Current Issues in Global Environmental Science	3
GEOL 690AC	Issues in Marine Environments	2
HNRS 398K	Travel Seminar: Costa Rica Sustainability	1-3
LASI 300	Global Issues	3
FYMP 102A	First-Year Seminar: Energy Science and The Environment	3
FYGE 102U	First-Year Seminar: Building a Sustainable Planet	3
ID 720	Sustainable Teams and Organizations	3
<b>Economic and Finance</b>		
IME 255	Engineering Economy	3
FIN 635	Commodity and Energy Trading	3
<b>Energy Efficiency and Waste Management</b>		
ECE 596	Renewable Energy Engineering	3

APEN 370	Environmental Engineering Technology	3
APEN 510	Solar and Wind Engineering	3
APEN 492	Energy Management and Sustainability	3
APEN 600	Water and Wastewater Treatment	3
APEN 610	Hydraulics and Hydrology	3
IME 780AL	Energy Analytics & Management	3
ME 360D	Sustainability and Technology	3
ME 702	Energy and Sustainability	3
ME 753	Advanced Materials for Energy Systems	3

### Ethics and Policy

PHIL 530	Ethics of Space Exploration	3
PHIL 590AD	Environmental Ethics	3
POLS 305	Environmental Politics	3
POLS 340	Global Challenges	3

### Natural Science and Public Health

BIOL 370	Introductory Environmental Science	3
BIOL 418	General Ecology	4
BIOL 530	Applied and Environmental Microbiology	3
BIOL 560	Plant Ecology	4
BIOL 570	Conservation Biology	3
GEOG 235	Meteorology	3
GEOL 102 & 102L	Earth Science and the Environment and Earth Science and the Environment Lab	4
GEOL 200	Introduction to Environment and Sustainability	3
GEOL 235	Meteorology	3
GEOL 300	Energy, Resources and Environment	3
GEOL 310	Oceanography	3
GEOL 570	Biogeology	3
GEOL 621	Geochemical Cycling	3
GEOL 640	Field Geology	6
GEOL 650	Geohydrology	3
GEOL 657	Earth Science Instructional Methods	3
GEOL 678	Geologic Perspectives on Climatic Change	3
GEOL 690G	Applied Environmental Geology	3
PHS 416	Foundations of Environmental Health	3
PHS 816	Environmental Health	3
PHYS 761	Environmental Physics	3

### In Practice (3 Credit Hours)

Course	Title	Hours
ID 509	Applied Sustainability in Innovation	3

### Electives (As Needed)

Select as many courses as needed to complete the requirement. Courses may be chosen from the declared or other content areas as well as core courses that were not already counted towards other category requirements.