

# Sustainability, Certificate

## Requirements

The undergraduate Certificate in Sustainability requires at least 24 s.h. of credit. Students must maintain a grade-point average of at least 2.00 in work for the certificate. Certificate courses may not be taken pass/nonpass.

The certificate may be earned by any student admitted to the University of Iowa who is not enrolled in a UI graduate or professional degree program. Undergraduate to Graduate (U2G) students may earn the certificate when the undergraduate classification is primary.

A course may be used to satisfy only one certificate requirement.

The Certificate in Sustainability requires the following coursework.

Requirements	Hours
Introductory Core	12-13
Breadth Electives	9
Project/Integrative Systems	3

## Introductory Core

Course #	Title	Hours
Both of these:		
SEES:1070	Contemporary Environmental Issues	3
SEES:2013/ BUS:2013/ URP:2013	Introduction to Sustainability	3
One of these:		
ENGL:1510	Introduction to Environmental Literature	3
JMC:1800	Environmental Communication	3
One of these:		
SEES:1080	Introduction to Environmental Science	3-4
SEES:1085	Fundamentals of Environmental Science	4

## Breadth Electives

Students complete at least 3 s.h. in each of three breadth areas: communications, ethics, and interpretation; dynamics of human systems; and dynamics of natural systems.

## Communication, Ethics, and Interpretation

Course #	Title	Hours
At least 3 s.h. from these:		
SEES:4770/ AFAM:4770/ GHS:4770	Environmental Justice	3
AFAM:2770/ GHS:2770/ SOC:2770	Black and White Community Politics	3

CNW:2740	The Art and Craft of Writing about the Environment	3
ENGL:2329	Topics in Modern British Literature Before 1900 (when topic is British literature and environmental history)	3
ENGL:3565	Literature and the Environment	3
ENTR:3500	Social Entrepreneurship	3
FREN:1007	Nature/Ecology French Philosophy and Fiction	3
HIST:3230	American Environmental History	3
JMC:3185	Topics in Understanding Media (when topic is risk communication)	3
LAW:8622	International Environmental Law	3
MGMT:2000	Introduction to Law	3
RHET:3700	Advocacy and Sustainability: Crafting Stories of People, Place, and Resilience	3
SCLP:3895	Topics in Sculpture (when topic is art at the edge of the landfill)	4
URP:6273/ PBAF:6273	Community Development Through Creative Placemaking	3

## Dynamics of Human Systems

Course #	Title	Hours
At least 3 s.h. from these:		
SEES:1046/ ANTH:1046/ GWSS:1046/ SJUS:1046	Environmental Politics in India	3
SEES:1090	Globalization and Geographic Diversity	3
SEES:1115/ HIST:1115	The History of Oil	3
SEES:2110/ GHS:2110	Eight Billion and Counting: Introduction to Population Dynamics	3
SEES:2910	The Global Economy	3
SEES:3090/ GHS:3070	Hungry Planet: Global Geographies of Food	3
SEES:3250/ CPH:3400	Health, Work, and the Environment	3
SEES:3300/ GHS:3300	Envisioning Future Worlds: Sustainable Development and Its Alternatives	3
SEES:3420	Sustainable and Green Building Concepts	3
SEES:3780/ GHS:3780/ HIST:3240/ POLI:3431	U.S. Energy Policy in Global Context	3
SEES:3800	Environmental Policy	3
SEES:3920/ URP:3001	Planning Livable Cities	3

SEES:4150/ GHS:4150/ IGPI:4150	Health and Environment: GIS Applications	3
SEES:4750/ URP:4750	Environmental Impact Analysis	3
SEES:4790	Applied Environmental Geology	3
AMST:1154	Food in America	3
AMST:1290/ GHS:1290/ HIST:1290/ NAIS:1290	Native American Foods and Foodways	3
ANTH:2100	Anthropology and Contemporary World Problems	3
ANTH:2261	Human Impacts on the Environment	3
ANTH:3103	Environment and Culture	3
ANTH:3240/ NAIS:3240	Cultural Resources Management Archaeology: Practice and Practicalities	3
ANTH:3260	Pleistocene Peopling of the Americas	3
ARTH:3090	Contemporary Architecture	3
CBE:2030	Energy and Society	3
CEE:3790	Resilient Infrastructure and Emergency Response	3
CEE:4158/ OEH:4920	Solid and Hazardous Wastes	3
CEE:4159/ CBE:4459/IGPI:4159	Air Pollution Control Technology	3
CHEM:1050	Chemistry of Our World	3
CPH:2200	Climageddon: Understanding Climate Change and Associated Impacts on Health	3
CPH:3500/ GHS:3500	Global Public Health	3
CPH:4200	Agriculture, Food Systems, and Sustainability	3
ECE:5630	Sustainable Energy Conversion	3
ECON:3625/ URP:3135	Environmental and Natural Resource Economics	3
ECON:3650	Policy Analysis	3
GHS:3560	Global Garbage and Global Health	3
ME:4048	Energy Systems Design	4
POLI:1400	Introduction to Comparative Politics	3
POLI:1500	Introduction to International Relations	3
POLI:2417	Comparative Environmental Policy	3
POLI:3424	Global Development	3
SOC:1040	Energy, Sustainability, and Society	3
TDSN:3200	Product Design	4
TDSN:4010	Wood Furniture Design	4
URP:2020/ PBAF:2020	Environment and Society: Sustainability, Policy, and Politics	3

URP:6253/ PBAF:6253	Designing Sustainable and Healthy Cities	1-3
URP:6256/ PBAF:6256	Environmental Policy	3

## Dynamics of Natural Systems

Course #	Title	Hours
At least 3 s.h. from these:		
SEES:1020	The Global Environment	3
SEES:1040	Evolution and the History of Life	3-4
SEES:1290	Energy and the Environment	3
SEES:1400	Natural Disasters	3
SEES:2310	Introduction to Climatology	3
SEES:2374/ BIOL:2374	Biogeography	3
SEES:2673/ BIOL:2673	Ecology	3
SEES:2950	Environmental Conservation	4
SEES:3070	Marine Ecosystems and Conservation	3
SEES:3340	Ecosystem Services	3
SEES:4630	Hydrogeology	4
CBE:2040	Environment, Energy, and Climate Change	3
CBE:2050/CEE:2050	Severe and Unusual Weather	3
CBE:3405	Green Chemical and Energy Technologies	3
CBE:5425/CEE:5115	Atmospheric Chemistry and Physics	3
CEE:4102	Groundwater	3
CHEM:4873	Atmospheric and Environmental Chemistry	3
IALL:3131	Ecology	4
Or both of these:		
SEES:2010	Interdisciplinary Environmental Seminar	1
SEES:3080	Introduction to Oceanography	2

## Project/Integrative Systems

Course #	Title	Hours
At least 3 s.h. from these:		
SEES:2930	Water Resources	3
SEES:3150	Sustainability Project	arr.
SEES:3230	Prairie Restoration	3
SEES:3400	Iowa Environmental Policy in Practice	3
SEES:3760/ GHS:3760	Hazards and Society	3
ABRD:3049	Sustainable Chemistry	arr.
ABRD:3445	India Winterim (when topic is water poverty or sustainable development)	arr.
ANTH:2261	Human Impacts on the Environment	3
CEE:4107/CBE:4410	Sustainable Systems	3

CNW:3660/ ENGL:3760	Multimedia Writing (when topic is environmental writing and filmmaking)	3
ENTR:3700	Sustainable Innovation and Management	3
ENTR:4100	International Entrepreneurship, Culture, and Social Impact	1-3
EVNT:3180	Sustainable Events	3
GHS:4100	Topics in Global Health (when topic is sustainability)	1-3
MKTG:4250	Marketing and Sustainability	3
TDSN:3260	Design for Production (when topic is special issues and topics in design)	4
URP:6256/ PBAF:6256	Environmental Policy	3
URP:6273/ PBAF:6273	Community Development Through Creative Placemaking	3