

ENVIRONMENTAL SUSTAINABILITY: SOCIETY AND THE ENVIRONMENT, BSLAS

for the degree of Bachelor Science in Liberal Arts and Sciences in
Environmental Sustainability, Society and the Environment Concentration

The Society and the Environment concentration offers a balanced cross-disciplinary social science/humanities education, emphasizing the political, socio-cultural, economic, and historical dimensions of sustainability. Students integrate training in environmental policy, economics, ethics, and communication with tools such as GIS, survey design, and qualitative analysis. Graduates of the program prepared for professional roles or graduate study in sustainability consulting, environmental policy, resource management, and related fields.

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Graduation Requirements

Minimum hours required for graduation: 120 hours.

Minimum required major and supporting course work: Normally equates to 46-55 hours. Twelve hours of 300- and 400-level courses in the major must be taken from this campus. Substitutions may be made with advisor approval.

University Requirements

The university and residency requirements can be found in the Student Code (<https://studentcode.illinois.edu/article3/part8/3-801/>) (§ 3-801) and in the Academic Catalog (<http://catalog.illinois.edu/general-information/degree-general-education-requirements/>).

General Education Requirements

Follows the campus General Education (Gen Ed) requirements (<https://courses.illinois.edu/gened/DEFAULT/DEFAULT/>). Some Gen Ed requirements may be met by courses required and/or electives in the program.

Code	Title	Hours
	Composition I	4-6
	Advanced Composition	3
	Humanities & the Arts (6 hours)	6
	Natural Sciences & Technology (6 hours)	6
	Social & Behavioral Sciences (6 hours)	6
	fulfilled by ECON 102 and PS 100 or PS 101	
	Cultural Studies: Non-Western Cultures (1 course)	3
	Cultural Studies: US Minority Cultures (1 course)	3
	Cultural Studies: Western/Comparative Cultures (1 course)	3

Quantitative Reasoning (2 courses, at least one course must be Quantitative Reasoning I)	6-10
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fulfilled by STAT 100 and any other course approved as Quantitative Reasoning I or II

Language Requirement (Completion of the fourth semester or equivalent of a language other than English is required)	0-20
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Orientation and Professional Development

Code	Title	Hours
LAS 101	Design Your First Year Experience	1
OR		
LAS 100 & LAS 101	Success in LAS for International Students and Design Your First Year Experience	3
OR		
LAS 102	Transfer Advantage	1

Major Requirements

Code	Title	Hours
ESE coursework		10
ESE 200	Earth Systems	3
ENSU 300	Environmental Sustainability	3
ESE 379	Introduction to Geographic Information Systems	4

Advanced Courses **18-24**

A minimum of six 300- and 400-level courses (from the lists below), totaling at least 18 credit hours, and in an academically coherent program approved by the advisor, are required. At least three of these six advanced courses must be listed or cross-listed as an ESE or ENSU course.

Capstone and Experiential

ESE 389	Environment and Sustainability Field Expedition	3
ESE 401	ESE Capstone	3
ESE 497	Special Topics in ESE	1 to 4

Earth's Biosphere & Ecology

ESE 439	Biogeography	3
HORT 430	Children and Nature	2
IB 362	Marine Biology	3
IB 411	Bioinspiration	3
IB 440	Plants and Global Change	3
IB 444	Insect Ecology	3
IB 451	Conservation Biology	4
IB 452	Ecosystem Ecology	3
IB 453	Community Ecology	3
IB 461	Ornithology	4
NRES 348	Fish and Wildlife Ecology	3
NRES 419	Env and Plant Ecosystems	3
NRES 420	Restoration Ecology	4

Earth's Physical Systems, Resources, & Hazards

ABE 436	Renewable Energy Systems	3
ATMS 420	Atmospheric Chemistry	4
CEE 330	Environmental Engineering	3
CHEM 360	Chemistry of the Environment	3

ENSU 302	Air Pollution to Global Change	3	ESE 482	Challenges of Sustainability	3
ESE 320	Water Planet, Water Crisis	3	ETMA 311	Humanity in the Food Web	3
ESE 333	Earth Materials and the Env	4	NPRE 480	Energy and Security	3
ESE 411	Geomorphology	4	NRES 325	Natural Resource Policy Mgmt	3
ESE 445	Earth Resources Sustainability	3	NRES 439	Env and Sustainable Dev	3
ESE 470	Introduction to Hydrogeology	4	UP 446	Sustainable Planning Seminar	4
ESE 486	Environmental Consulting	3	UP 456	Sustainable Planning Workshop	4
GEOL 380	Environmental Geology	4	UP 480	Sustainable Design Principles	2
GEOL 450	Investigating the Earth's Interior	3	Visualizing the Earth System		
GEOL 451	Environmental Geophysics	4	ATMS 305	Computing and Data Analysis	3
GEOL 460	Geochemistry	3	ESE 380	Geographic Information Systems II	4
GGIS 401	Watershed Hydrology	3	ESE 421	Earth Systems Modeling	4
GGIS 406	Fluvial Geomorphology	4	GGIS 371	Spatial Analysis	4
GGIS 408	Humans and River Systems	4	GGIS 407	CyberGIS & Geospatial Data Science	4
MSE 489	Matl Select for Sustainability	3	GGIS 412	Geospatial Technologies & Society	3
NRES 351	Introduction to Environmental Chemistry	3	GGIS 460	Aerial Photo Analysis	3
Environment & the Human Response			GGIS 476	Environmental Remote Sensing	3
AGCM 330	Environmental Communications	3	GGIS 477	Introduction to Remote Sensing	3
HK 408	Environmental Health	3	GGIS 479	Advanced Topics in GIS	4
ENGL 476	Topics in Literature and the Environment	3	NRES 427	Modeling Natural Resources	4
ENSU 301	Soc Impacts Weather & Climate	3	NRES 454	GIS in Natural Resource Mgmt	4
ESE 311	Environmental Issues Today	3	Society and the Environment Concentration Requirements		
ESE 360	Environmental Writing	3	Cognate Course Work 9		
ESE 467	Multimedia Environmental Communications	3	PS 100	Intro to Political Science	3
ESE 477	Advanced Environmental Writing	3	or PS 101	Intro to US Gov & Pol	
ESE 498	Environmental Writing for Publication	3	STAT 100	Statistics	3
GGIS 350	Sustainability and the City	3	ECON 102	Microeconomic Principles	3
GGIS 384	Population Geography	3	Introductory Social Sciences: Select 2 courses: 6-8		
GGIS 495	Advanced Topics in Geography	3 or 4	ANTH 101	Introduction to Anthropology	3
GGIS 496	Climate & Social Vulnerability	3	ANTH 102	Human Origins and Culture	3
LA 430	Children and Nature	2	GGIS 101	Global Development & Environment	3
LA 450	Ecology for Land Restoration	4	GGIS 104	Social and Cultural Geography	4
NRES 340	Environ Social Sci Res Meth	3	SOC 100	Introduction to Sociology	4
NRES 472	Environmental Psychology	4	Introductory Earth's Physical Systems, Resources, & Hazards. 3-4		
SOC 447	Environmental Sociology	3	Select 1 course:		
Sustainability, Policy, and Global Change			GEOL 100	Planet Earth	3
ACE 310	Natural Resource Economics	3	GEOL 107	Physical Geology	4
ACE 406	Environmental Law	3	ESE 103	Earth's Physical Systems	4
ACE 411	Environment and Development	3	ESE 117	The Oceans	3
ATMS 307	Climate Processes	3	ESE 118	Natural Disasters	3
ATMS 447	Climate Change Assessment	3	ESE 120	Severe and Hazardous Weather	3
ATMS 449	Biogeochemical Cycles	4	ESE 140	Climate and Global Change	3
CPSC 336	Tomorrow's Environment	3	<hr/>		
CPSC 415	Bioenergy Crops	3	<i>for the degree of Bachelor Science in Liberal Arts and Sciences in Environmental Sustainability, Society and the Environment Concentration</i>		
CPSC 431	Plants and Global Change	3	<hr/>		
ENSU 303	Sustainable Business I	4	<i>This sample sequence is intended to be used only as a guide for degree completion. All students should work individually with their academic advisors to decide the actual course selection and sequence that works best for them based on their academic preparation and goals. Enrichment programming such as study abroad, minors, internships, and so on may</i>		
ENSU 310	Renewable & Alternative Energy	4			
ENSU 410	Sustainable Organizations	4			
ESE 410	Green Development	4			
ESE 465	Transportation & Sustainability	3			
ESE 466	Environmental Policy	3			

impact the structure of this four-year plan. Course availability is not guaranteed during the semester indicated in the sample sequence.

Students must fulfill their Language Other Than English requirement by successfully completing a fourth level of a language other than English. For more information, see the corresponding section on the Degree and General Education Requirements page (<http://catalog.illinois.edu/general-information/degree-general-education-requirements/>).

First Year	
First Semester	Hours
LAS 101	1
General Education course	3
ESE 200	3
Language Other Than English (3rd level)	4
Composition I or General Education course	4
	15

Total Hours 15

First Year	
Second Semester	Hours
ECON 102	3
General Education course or Composition I	3
General Education course	3
Language Other Than English (4th level)	4
PS 100	3
	16

Total Hours 16

Second Year	
First Semester	Hours
ESES Introductory Earth's Physical System Course	3
Introductory Social Science course	3
Introductory Social Science course	3
General Education course	3
Free Elective course	3
	15

Total Hours 15

Second Year	
Second Semester	Hours
STAT 100	3
ENSU 300	3
General Education course	3
General Education course	3
Free Elective course	3
	15

Total Hours 15

Third Year	
First Semester	Hours
ESE 379	4
Advanced ESE or ENSU course	4
General Education course	3
Free Elective course	3
	14

Total Hours 14

Third Year	
Second Semester	Hours
Advanced ESE or ENSU course	3
General Education course	3
General Education course	3
Free Elective course	3
Free Elective course	3
	15

Total Hours 15

Fourth Year	
First Semester	Hours
Advanced ESE or ENSU course	3
Advanced course from list	3
Free Elective course	3
Free Elective course	3
Free Elective course	3
	15

Total Hours 15

Fourth Year	
Second Semester	Hours
Advanced course from list	3
Advanced course from list	3
Free Elective course	3
Free Elective course	3
Free Elective course	3
	15

Total Hours 15

Total Hours: 120

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1. Be able to recognize, critique and implement commonly accepted Sustainability models and ideas in a wide variety of settings, using systems thinking to link social and natural science concepts.
2. Have a fundamental understanding of social science concepts; being able to recognize and apply appropriate social science methods.
3. Use quantitative methods to describe, understand and evaluate theoretical and applied issues in environmental and sustainability study; this includes direct calculation, working with data, and using quantitative models.

4. Be able to critically evaluate and then communicate environmental and sustainability concepts to both specialized and wide audiences.
5. Students will demonstrate professional competence in environmental and sustainability practice by executing appropriate laboratory and field techniques, applying Geographic Information Science tools and software, and selecting and employing suitable quantitative and qualitative analytical methods.

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