## SUSTAINABILITY STUDIES (B.S.)

In this major, students address the essential question of sustainability: How can we best live without degrading our life-support system and create conditions that nurture the flourishing of other beings and of future generations? To do this, students majoring in Sustainability examine both the environmental systems upon which we depend and the modern social structures that can either support or degrade our relationships with nature and each other. Students consider technological, social, and ethics-based approaches intended to promote more a harmonious and sustainable human-nature relationship.

#### **Integrative Studies Requirements**

40 credits minimum

Code	Title	Credits	Completed			
Major Requirements (48 credits)						
Foundation						
ISENST-120	Principles of Sustainability	4				
Select one of the	following	4				
introductory envi	ronmental courses:					
IIENST-110	Food, Health & Environment					
IIENST-150	Global Environmental Change					
IIENST-151	Environ Central New England					
ISENST-205	Environmental Geography					
<b>Core:</b> a grade of required in all co	C or higher is urses					
INENST-201	Earth Cycles & Systems	4				
or ENST-252	Ecology of a Changing Plane	et				
ISENST-203	Globalization Culture & Place	4				
or ENST-253	Environmental Governance					
ISECON-372	Ecological Economics	4				
or ENST-393	Sustainablty for Organizatio	ns				
Capstone						
ENST-395	Seminar I	4				
ENST-495	Seminar II	4				
Skills Elective						
Select <b>one</b> of the	following:	4				
ARCH-260	Sustainable Desg/Bldg Sci					
BIO-313	Population & Community Ecology					
ENST-323	Mapping Nature With GIS					

	ENST-325	Mapping Social Patterns - GIS		
	MGT-215	Accounting for Decision Making		
	ISMGT-383	Applied Data Analysis & Vis		
	IIPHYS-342	Data Analysis for Scientists		
	IIPSYC-172	Intro to Restorative Practice		
	SPDI-304	Materials - a Life Cycle View		
	Disciplinary Electi	ive		
	Select <b>one</b> of the not already used requirement:	following courses to meet another	4	
	ARCH-260	Sustainable Desg/Bldg Sci		
	ARCH-360	Solar Des/Bldg Sci II		
	ISECON-372	Ecological Economics		
	INENST-300	Geoscience Issues & Society		
	IIENST-302	Apocalypse Science and Society		
	INENST-303	Life Sust. in Earths History		
	INENST-320	Earths Climate: Past & Future		
	INENST-381	Farming With Nature in Mind		
	ISENST-382	Environmental Advocacy		
	INENST-383	Rethinking Energy		
	HGS-261	The United States and Genocide		
	HGS-370	Genocide Special Topics		
	HIST-360	Natives/ Newcomers NA1500-1766		
	IIJRN-268	Environmental Issues & Media		
	SPDI-304	Materials - a Life Cycle View		
	IISPDI-360	Sustainability by Design		

Upper-level Electives: Choose three courses at the 300 level or above in Environmental Studies & Sustainability (ENST), excluding ISP courses. A student may request that one course from a different discipline be applied toward this requirement. This can be managed by the department through the course substitution process.

**Total Credits** 

48

12

\*\*Only six courses used to meet a student's requirements for a B.S. in Environmental Studies can be applied toward completion of a B.S. in Sustainability Studies.

#### **Electives**

Select courses to reach a total of 120 credits.

### **Degree Requirements**

120 credits 40 credits at the upper-level

# Upon completion of the Sustainability B.S. degree, students will be able to:

- Use appropriate methods and technique to pose and answer questions about sustainability.
- Characterize sustainability challenges using integrated knowledge of human and nature systems.
- Understand the basic sustainability concepts of homeostasis, carrying-capacity, cradle-to-grave recycling, evolutionary processes, inter-generational debt, social adaptation, climate change, ecosystem services, and environmental justice.
- Characterize sustainability challenges from multiple value and interest perspectives.
- Articulate a comprehensive world view that integrates diverse approaches to sustainability.
- · Work effectively with others to achieve a goal.
- Analyze the role of environmental sustainability in the promotion of comprehensive justice and equity.
- Use skills, knowledge, perspective-taking, and collaborative competences to solve a sustainability challenge.