

# SUSTAINABILITY STUDIES (BA)

## Tourism, Environment, and Sustainable Societies

Sustainability studies focuses on the interdisciplinary benefits of the sustainability concept. We explore how to make a more sustainable and equitable future by developing combined skill sets from fields including business, the social sciences, the arts and humanities, environmental science, and public health. Students:

- Engage in interdisciplinary learning at multiple scales (local, national, global)
- Learn systems-thinking approaches for identifying and resolving sustainability-related problems
- Develop skills to promote equitable community, collaboration, and collective action while addressing sustainability-related challenges
- Develop professional and transferable skills for employment in sustainability professions

## Degree Requirements

Course	Title	Credits
<b>Major Requirements <sup>1</sup></b>		
SU 2111	Introduction to Sustainability Studies	4
PBH 2000	Foundations of Public Health (WECO)	4
SU 3112	Social Science Perspectives on Sustainability (DICO,GACO) (DICO, GACO)	4
SU 3113	Conversations in Sustainability	1
SU 3115	Economic and Ecological Sustainability (GACO,QRCO) (QRCO)	4
SU 3333	Environmental Humanities (WRCO) (WRCO)	4
SU 4111	Sustainability Project Design	4
<b>Methods Courses (Choose two, at least one must be a TECO)</b>		<b>8</b>
AG 2100	Design Software Basics (TECO)	
AN 4415	Methods of Social Research (TECO)	
GE 2050	GIS I: Introduction to Geographic Information Systems (QRCO,TECO)	
CM 2775	Media and Cultural Studies (TECO)	
CM 3095	Technical Communication (TECO,WRCO)	
PBH 2200	Assessment and Communication in Public Health (TECO)	
CM 2007	Strategic Communication	
AR 1045	Art Foundations 2D: Composition and Content	
AR 1075	Art Foundations Drawing: Line and Language	
CM 2915	Communication and Leadership	
EN 2710	Creative Writing	
CM 3405	Interactive Web Communication	
EN 3125	Advanced Composition	
EN 3135	Non-Fiction Workshop	
ESP 4405	Environmental Outreach and Communication	
GE 3050	GIS II: Advanced Geographic Information Systems	
GE 4010	Remote Sensing and Digital Image Processing	
GE 4050	Geospatial Technology Applications	
MA 2300	Statistics I (QRCO)	

PBH 3210	Social and Behavioral Health Psychology
AHS 3305	Epidemiology and Evidence Based Medicine (GACO,QRCO,WRCO)
SS/SW 3705	Social Statistics (QRCO)

**Focus Courses: Choose 6 courses from list below or Methods list above (cannot double count)** 18-24

### Arts, Humanities, and Communication

AR 3575	Art and Sustainability
AG 2100	Design Software Basics (TECO)
AG 3200	Imagery
AR 3015	Painting: Observation
AR 3125	Painting: Process Exploration
AR 3295	Printmaking: Cut, Carve, Etch
AR 3325	Printmaking: Silkscreen and Alternative Processes
CM 2995	Professional Social Media
HI 3342	New Hampshire and New England History

### Economy and Entrepreneurship

BUS 1400	Principles of Economics (GACO)
BU 3220	Business and the Environment
ENT 3030	Social Entrepreneurship
ENT 2040	Foundations of Innovation and Entrepreneurship
ECN 3100	Intermediate Macroeconomics
ECN 3200	Intermediate Microeconomics
ECN 4400	Current Topics in Economics
ENT 3052	Executing for Growth and Sustainability
GE 3080	Economic Geography
TMP 3060	Ecotourism
MKT 4120	Impact Marketing

### Ethics and Equity

CJ 3157	Society, Ethics, and the Law (DICO)
CM 3485	Global Perspectives in the Media (GACO)
PBH 4000	Ethics, Social Justice, and Policy in Public Health
PO 3355	Women in World Politics
PY 3310	Environmental Ethics (WECO)
SO 3375	Sociology of Race and Ethnicity (DICO)
SW 3450	Social Welfare Policy and Services

### Environmental Sciences

AP 2500	Natural History and Ecology for Adventure Educators
BI 1110	Biological Science I (TECO)
BI 1120	Biological Science II
BI 2070	Botany
BI 3260	Freshwater Ecology
BI 3240	Conservation (DICO,GACO)
BI 4050	Ecology (QRCO,WRCO)
BI 4800	Current Environmental Issues
EPL 3150	Introduction to Permaculture
ESP 2100	Introduction to Environmental Science and Policy I
ESP 2110	Introduction to Environmental Science and Policy II
ESP 3335	Environmental Geology (TECO)
ESP 3326	Climate, Risk, and Adaptation (GACO)
ESP 4310	Advanced Conservation Ecology

MT 2000	Fundamentals of Meteorology and Climatology (GACO)	
ESP 4441	Climate Change	
ESP 3201	Energy and Society	
Public Health, Policy and Governance		
ESP 2305	Foundations of Environmental Policy (WRCO)	
ESP 3550	Environment and Health (WECO)	
ESP 3600	Special Topics in Environmental Policy	
ESP 4325	Decision Making in Environmental Management	
PBH 3400	Program Planning for Public Health (WRCO)	
PBH 4000	Ethics, Social Justice, and Policy in Public Health	
PO 2025	Public Administration (DICO)	
PO 3060	Political Analysis and Policy (WRCO)	
Sustainable Development and Planning		
EPL 2105	Community Planning	
EPL 3100	Environmental Planning	
SU 3111	Special Topics in Sustainability	
ESP 3800	Food Systems: Social, Economic and Environmental Impacts of Modern Agriculture (DICO,WECO)	
ESP 3550	Environment and Health (WECO)	
ESP 3326	Climate, Risk, and Adaptation (GACO)	
ESP 4325	Decision Making in Environmental Management	
GE 3030	Urban Geography	
GE 3050	GIS II: Advanced Geographic Information Systems	
GE 4010	Remote Sensing and Digital Image Processing	
SO 3040	Environmental Justice	
GE 4060	GIS Programming	
SO 3605	Sustainability in Practice (WECO)	
SO 3620	Environment and Society	
TMP 3070	Cultural and Heritage Tourism	
General Education ( <a href="https://coursecatalog.plymouth.edu/general-education/">https://coursecatalog.plymouth.edu/general-education/</a> )		
EN 1400	Composition	4
IS 1115	Tackling a Wicked Problem	4
MA ( <a href="https://coursecatalog.plymouth.edu/general-education/#MATH">https://coursecatalog.plymouth.edu/general-education/#MATH</a> )	Mathematics Foundations	3-4
CTDI ( <a href="https://coursecatalog.plymouth.edu/general-education/#CTDI">https://coursecatalog.plymouth.edu/general-education/#CTDI</a> )	Creative Thought Direction	3-4
PPDI ( <a href="https://coursecatalog.plymouth.edu/general-education/#PPDI">https://coursecatalog.plymouth.edu/general-education/#PPDI</a> )	Past and Present Direction	3-4
SIDI ( <a href="https://coursecatalog.plymouth.edu/general-education/#SIDI">https://coursecatalog.plymouth.edu/general-education/#SIDI</a> )	Scientific Inquiry Direction	3-4

SSDI ( <a href="https://coursecatalog.plymouth.edu/general-education/#SSDI">https://coursecatalog.plymouth.edu/general-education/#SSDI</a> )	Self and Society Direction	3-4
Directions (choose from CTDI, PPDI, SIDI, SSDI) ( <a href="https://coursecatalog.plymouth.edu/general-education/">https://coursecatalog.plymouth.edu/general-education/</a> ) <sup>2</sup>		0-4
GACO ( <a href="https://coursecatalog.plymouth.edu/general-education/#GACO">https://coursecatalog.plymouth.edu/general-education/#GACO</a> )	Foreign Language <sup>3</sup>	6-8
IS 4220	Signature Project (INCO,INCP)	4
Electives		31
<b>Total Credits</b>		<b>120</b>

<sup>1</sup> At least half of the credits in the major must be at the 3000/4000 level.

<sup>2</sup> Directions must total a minimum of 16 credits.

<sup>3</sup> The foreign language requirement for all BA degrees calls for 0-8 credits: one year of one language (6-8 credits); or one 3000/4000 level world language course (3 credits); or being a native speaker of a language other than English (zero credit). American Sign Language I and II fulfill this requirement; however, American Sign Language does not satisfy the Global Awareness Connection.

## Recommended Course Sequence

Course	Title	Credits
<b>Year One</b>		
SU 2111	Introduction to Sustainability Studies	4
SU 3333	Environmental Humanities (WRCO)	4
MA ( <a href="https://coursecatalog.plymouth.edu/general-education/#MATH">https://coursecatalog.plymouth.edu/general-education/#MATH</a> )	Mathematics Foundations	3-4
IS 1115	Tackling a Wicked Problem	4
EN 1400	Composition	4
PPDI ( <a href="https://coursecatalog.plymouth.edu/general-education/#PPDI">https://coursecatalog.plymouth.edu/general-education/#PPDI</a> )	Past and Present Direction	3-4
SSDI ( <a href="https://coursecatalog.plymouth.edu/general-education/#SSDI">https://coursecatalog.plymouth.edu/general-education/#SSDI</a> )	Self and Society Direction	3-4
<b>Credits</b>		<b>25-28</b>
<b>Year Two</b>		
PBH 2000	Foundations of Public Health	4
SU 3115	Economic and Ecological Sustainability (GACO,QRCO)	4
SU 3113	Conversations in Sustainability	1
CTDI ( <a href="https://coursecatalog.plymouth.edu/general-education/#CTDI">https://coursecatalog.plymouth.edu/general-education/#CTDI</a> )	Creative Thought Direction	3-4

SIDI ( <a href="https://coursecatalog.plymouth.edu/general-education/#SIDI">https://coursecatalog.plymouth.edu/general-education/#SIDI</a> )	Scientific Inquiry Direction	3-4
Directions (choose from CTDI, PPDI, SIDI, SSDI) ( <a href="https://coursecatalog.plymouth.edu/general-education/">https://coursecatalog.plymouth.edu/general-education/</a> )		4-8
One Focus Area Course		3-4
Electives		6-8
<b>Credits</b>		<b>28-37</b>
<b>Years Three and Four</b>		
Four Focus Area Courses		12-16
Two Methods Courses (one TECO)		6-8
SU 3113	Conversations in Sustainability	1
INCP ( <a href="https://coursecatalog.plymouth.edu/general-education/#INCP">https://coursecatalog.plymouth.edu/general-education/#INCP</a> )	Integrated Capstone	3-4
GACO ( <a href="https://coursecatalog.plymouth.edu/general-education/#GACO">https://coursecatalog.plymouth.edu/general-education/#GACO</a> )	Foreign Language	8
Electives		17-21
SU 4111	Sustainability Project Design	4
<b>Credits</b>		<b>51-62</b>
<b>Total Credits</b>		<b>120</b>

## Learning Outcomes

### Objective 1: Promote interdisciplinary learning at multiple scales (local, national, global) with respect to sustainability

Outcomes: Students emerging from this major will be able to:

1A: Engage in holistic thinking/learning about sustainability across socio-environmental perspectives

1B: Describe scientific and ethical aspects of key sustainability and resilience concepts (e.g. planetary carrying capacity, population growth, social and environmental justice, climate change, and ecological footprints)

1C: Explain how socio-cultural perspectives, values and actions affect sustainability and resilience at multiple levels.

### Objective 2: Promote systems-thinking for identifying and resolving sustainability-related problems

Outcomes:

2A: Exhibit critical thinking skills and a systems-thinking approach to identify feedback loops, tradeoffs, and synergies with respect to complex problems

2B: Demonstrate interconnectedness between and among societal and environmental nodes (e.g. water security, food production, health care, energy production and consumption, environmental management)

2C: Express the importance of eco-centric approaches to sustainability

### Objective 3: Promote equitable community, collaboration, and collective action while addressing sustainability-related challenges

Outcomes:

3A: Connect the theories of sustainability to organizational and social change and become effective change agents

3B: Facilitate collaboration among stakeholders, including nonhumans entities

3C: Assess community readiness to promote sustainability and resilience

3D: Identify, develop, and evaluate community- and policy-level intervention strategies to promote sustainability

3E: Identify barriers to and benefits of behavioral change for sustainability

3F: Apply social justice principles while solving sustainability-related challenges

### Objective 4: Develop professional and transferable skills to operationalize sustainability

Outcomes:

4A: Communicate effectively using multiple, innovative approaches (stakeholder engagement, visualization, messaging, facilitation, conflict resolution)

4B: Apply theories of sustainability to practice (ie., praxis)

4C: Create professional presence through portfolio and network development In addition to the skills and knowledge developed by all students in the program, graduates will also develop additional specialized knowledge and skills through the individualized focus they create within the individualized cluster program they create

## Career Pathways

Sustainability Coordinator, Sustainability Analyst, Sustainability Project Manager, Sustainability Marketer, Nonprofit Administrator, Sustainability Communicator, Sustainability Entrepreneur, Planner