

# Environmental Studies, B.S.

The Bachelor of Science in Environmental Studies (BS-EVST) is an interdisciplinary program that focuses on the complex relationships between humans and the natural world. The program equips students with the skills and perspectives from physical science, social science, and the humanities needed to address pressing environmental challenges and discover viable solutions. It also helps students gain an understanding of ethical considerations and sustainability principles, enabling them to approach environmental issues from a socially responsible perspective. The program offers flexibility and prepares students for a wide array of career paths in environmental policy, advocacy, education, research, sustainability consulting, and non-profit organizations.

## Program Requirements

Code	Title	Credit Hours
<b>Total Credit Hours</b>		<b>120</b>
<b>General Education Requirements</b>		<b>36 Credits</b>
ENGL 1010 or ENGH 1005	Introduction to Academic Writing CC Literacies and Composition Across Contexts CC	3
ENGL 2010	Intermediate Academic Writing CC	3
MATH 1050 or MATH 1055	College Algebra QL College Algebra with Preliminaries QL	4
Complete one of the following:		3
HIST 2700 & HIST 2710	US History to 1877 AS and US History since 1877 AS (6)	
HIST 1700	American Civilization AS (3)	
HIST 1740	US Economic History AS (3)	
POLS 1000	American Heritage AS (3)	
POLS 1100	American National Government AS (3)	
Complete the following:		
PHIL 2050	Ethics and Values IH	3
HLTH 1100 or EXSC 1097	Personal Health and Wellness TE Fitness for Life TE	2
Distribution Courses:		
BIOL 1010 or BIOL 1610	General Biology BB College Biology I BB	3
ENVT 1110	Introduction to Environmental Management PP	3
GEOG 1000	Introduction to Physical Geography PP	3
Humanities Distribution		3
GEOG 140G	Introduction to Human Geography SS GI	3
Fine Arts Distribution		3
<b>Discipline Core Requirements</b>		<b>22 Credits</b>
GEOG 2000	Sustainability and Environment SS	3
GEOG 3000	Climate Change in Science and Society	3
ENST 3000	Introduction to Environmental Studies	3
ENST 3100	Environmental Justice	3
ENVT 3290	Environmental Reporting WE	3
ENVT 3850	Environmental Policy WE	3
COMM 3115	Communicating in Environments	3
GEO 480R	Earth Science Seminar <small>must be taken twice</small>	1
<b>Program electives</b>		<b>33 Credits</b>
Complete six credits from the following		6
ENVT 2560	Environmental Health (3)	

ENVT 3280	Environmental Law (3)	
ENVT 3800	Energy Use on Earth GI (3)	
ENVT 3770	Natural Resources Management (3)	
ENST 3520	Environmental Sociology (3)	
ENST 490R	Topics in Environmental Studies (undefined)	
PHIL 3530	Environmental Ethics (3)	
PHIL 4300	Environmental Aesthetics (3)	
Select one of the following methods courses		3
ANTH 3850	Ethnographic Methods WE (3)	
ENGL 3460	Wilderness and Environmental Writing (3)	
GEOG 3600	Introduction to Geographic Information Systems (4)	
STAT 2040	Principles of Statistics QL (4)	
Complete 12 credits from the following physical and life science courses <sup>1</sup>		12
ENVT 3750	Land Use Planning (3)	
GEOG 3700	Wetland Studies (3)	
GEOG 3400	Environmental Remote Sensing (3)	
GEOG 3440	Geospatial Data Science (3)	
GEOG 3300	Biogeography (4)	
GEOG 3500 & GEOG 3505	Geomorphology WE and Geomorphology Lab (4)	
GEOG 3650	Advanced Geographic Information Systems (4)	
GEOG 3705	Wetland Studies Laboratory (1)	
BIOL 2500	Environmental Biology BB (3)	
BIOL 3700	General Ecology (3)	
ENVT 2730	Introduction to Soils (4)	
ENVT 3790	Applied Hydrology WE (4)	
GEO 4790	Hydrogeology (4)	
GEO 1080	Introduction to Oceanography PP (3)	
GEO 1010	Introduction to Geology PP (3)	
or GEO 1030	Natural Disasters and the Environment PP	
or GEO 1040	The Dinosaurian World PP	
or GEO 1050	Geology of National Parks PP	
GEO 1085	Introduction to Oceanography Laboratory (1)	
GEO 3080	Earth Materials WE (3)	
GEO 3200 & GEO 3205	Geologic Hazards and Geologic Hazards Laboratory (4)	
GEO 202R	Science Excursion (1)	
GEOG 4100	Geospatial Field Methods (3)	
METO 3100	Climate and the Earth System (3)	
Complete 12 credits from the following social science and humanities classes <sup>1</sup>		12
ANTH 3200	Food and Culture (3)	
ANTH 101G	Social Cultural Anthropology SS GI (3)	
GEOG 2500	Geography of Latin America and the Caribbean (3)	
GEOG 3110	Urban Geography WE (3)	
GEOG 3200	Geography of Utah (3)	
GEOG 3350	Geography of Africa (undefined)	
GEOG/HIST 3800	Environmental History of the United States (3)	
HIST 322G	History of the American West to 1850 GI WE (3)	
HIST 323G	History of the American West since 1850 GI WE (3)	
HIST 4320	History of Scientific Thought (3)	
POLS 3030	State and Local Government (3)	
POLS 3310	Introduction to Public Policy WE (3)	

POLS 3320	Nonprofits and The Public Sector (3)
POLS 3330	Environmental Politics and Policy (3)
POLS 3410	Globalization and Sustainable Development (3)
POLS 3640	United Nations Sustainable Development Goals (3)
PHIL 3400	Philosophy of Science (3)
SOC 1010	(3)
SOC 3520	Environmental Sociology (3)
or ENST 3520	Environmental Sociology
SOC 4100	Contemporary Social Theory WE (3)
SOC 4400	Social Change (3)
PJST 3200	Global Poverty Facts Causes and Solutions (3)
PJST 3300	Community Development (3)

**Electives**<sup>1</sup>**29****Credits**

Choose any classes. It is recommended that you select classes listed in the categories above that have not been taken or select from the courses below. It is also recommended to select classes from the following prefixes: GEOG, GEO, ENVT, ENST, AIST, ANTH, SOC, BIOL, CHEM, PHYS, NSS, HIST, GIS, MATH, STAT, CS, REC, PHIL, ENTR, ARC, ART, HUM, ENGL, METO, PJST, POLS, MGMT.

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GEOG 482R	GIS Internship (1-3)
GEOG 489R	Student Research in Geography (1-4)
AIST 327G	Indians of Utah GI (3)
CHEM 1210	Principles of Chemistry I PP (4)
CHEM 1215	Principles of Chemistry I Laboratory (1)
CHEM 1220	Principles of Chemistry II PP (4)
CHEM 1225	Principles of Chemistry II Laboratory (1)
STAT 2060	Introduction to Statistical Computing (1)
STAT 3040	Probability and Statistics for Engineering and the Sciences (3)
ENGL 373R	Literature of Cultures and Places (3)
ENTR 2500	Creativity and Entrepreneurial Thinking SS (3)
ETHS 2500	Introduction to Ethnic Studies (3)
AIST 3600	American Indian Policy and Tribal Government (3)
AIST 3810	Precolumbian America (3)
ANTH 3150	Culture Ecology and Health (3)
ANTH 3450	Shamanism and Indigenous Religion (3)
SOC 3700	Social Inequality (3)
SOC 3460	Political Sociology (3)
ETHS 2510	Foundations of Ethnic Studies (3)
ENVT 3600	Appropriate Technology and Sustainable Development for the Developing World (3)
GEO 1220	Historical Geology (3)
GEO 3100	Isotope Geochemistry (3)
GEO 3000	Environmental Geochemistry (3)
GEO 3700	Structure and Tectonics (4)
GEO 4500	Sedimentary Geology WE (4)
MATH 1060	Trigonometry QL (3)
MATH 1210	Calculus I QL (4)
PHYS 2010	College Physics I PP (4)
or PHYS 2210	Physics for Scientists and Engineers I PP
PHYS 2020	College Physics II PP (4)
or PHYS 2220	Physics for Scientists and Engineers II PP
REC 1535	Backpacking (1)
REC 2700	Leave No Trace Trainer (1)
SOC 263G	Race and Minority Relations GI (undefined)
SOC 3030	Social Research Methods WE (undefined)
SOC 2370	Sociology of Gender (3)

SOC 3690	Internet Technology and Society (3)
SOC 3850	Rural Life--Global and Local (3)

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You need at least 40 hours of upper division credit to graduate. Work with your advisor to make sure you are meeting the 40 credits of upper division requirement.

## Graduation Requirements

1. Completion of a minimum of 120 semester credits, including 40 hours of upper-division credit.
2. Overall grade point average of 2.0 (C) or above.
3. Grade of C- or better in core curriculum course.
4. Successful completion of at least one Global/Intercultural course.
5. Successful completion of at least two Writing Enriched (WE) courses.
6. **Completion of an exit interview with the department chair and a Qualtrics Exit Survey prior to graduation.**

## Graduation Plan

This graduation plan is a sample plan and is intended to be a guide. Your specific plan may differ based on your Math and English placement and/or transfer credits applied. You are encouraged to meet with an advisor and set up an individualized graduation plan in Wolverine Track (<http://www.uvu.edu/wolverinetrack/>).

### First Year

Semester 1		Credit Hours
MATH 1050	College Algebra QL	4
ENGL 1010	Introduction to Academic Writing CC	3
GEOG 140G	Introduction to Human Geography SS GI	3
ENVT 1110	Introduction to Environmental Management PP	3
<b>Credit Hours</b>		<b>13</b>

### Semester 2

ENGL 2010	Intermediate Academic Writing CC	3
PHIL 2050 or PHIL 205G	Ethics and Values IH or Ethics and Values IH GI	3
GEOG 1000	Introduction to Physical Geography PP	3
Humanities distribution		3
American Institutions distribution		3
<b>Credit Hours</b>		<b>15</b>

### Second Year

#### Semester 3

GEOG 2000	Sustainability and Environment SS	3
ENST 3000	Introduction to Environmental Studies	3
Social science / humanities program electives		3
BIOL 1010 or BIOL 1610	General Biology BB or College Biology I BB	3
Physical / life science program electives		3
<b>Credit Hours</b>		<b>15</b>

#### Semester 4

Fine Arts Distribution		3
GEOG 3600 or ANTH 3850 or ENGL 3460 or STAT 2050	Introduction to Geographic Information Systems or Ethnographic Methods WE or Wilderness and Environmental Writing or Introduction to Statistical Methods	3
COMM 3115	Communicating in Environments	3
Social science / humanities program electives		3
Physical / life science program electives		3
<b>Credit Hours</b>		<b>15</b>

### Third Year

#### Semester 5

GEO 480R	Earth Science Seminar	0.5
ENVT 3850	Environmental Policy WE	3
Physical / life science program electives		3
Social science / humanities program electives		3
Elective		4

HLTH 1100	Personal Health and Wellness TE	2
<b>Credit Hours</b>		<b>15.5</b>
<b>Semester 6</b>		
GEOG 3000	Climate Change in Science and Society	3
Elective		4
Physical / life science program electives		3
Social science / humanities program electives		3
Program electives		3
<b>Credit Hours</b>		<b>16</b>
<b>Fourth Year</b>		
<b>Semester 7</b>		
GEO 480R	Earth Science Seminar	0.5
ENVT 3290	Environmental Reporting WE	3
ENST 3100	Environmental Justice	3
Elective		3
Elective		3
Elective		3
<b>Credit Hours</b>		<b>15.5</b>
<b>Semester 8</b>		
Program electives		3
Elective		3
Elective		3
Elective		3
Elective		3
<b>Credit Hours</b>		<b>15</b>
<b>Total Credit Hours</b>		<b>120</b>

## Program Learning Outcomes

1. Analyze the scientific underpinnings, social context, political ramifications, and the unevenly distributed impacts of key environmental challenges to design sustainable solutions.
2. Evaluate the links between social and natural systems to identify appropriate areas of intervention.
3. Critically assess environmental and sustainability programs, organizations, and reporting mechanisms to create new and/or revised programs, organizations, and reports.
4. Influence policy outcomes using existing laws, regulations, stakeholders, and interest groups relating to environmental issues.
5. Communicate effectively, both orally and in writing, about environmental and sustainability issues to diverse audiences.