

# *Exploring Minors*

Since ENVST is an interdisciplinary degree, we pull our classes from STEM fields, Humanities, Social & Behavioral Science, and more!

This document shows minors and certificates with some of the most overlap at the U - but that doesn't mean you can't go after something different to complement your degree!

Explore all minors & certificates the U of U has to offer at: <https://advising.utah.edu/majors/quick-look/index.php>



# ENVST LAND MANAGEMENT, CONSERVATION, & PLACE WITH ANTHROPOLOGY MINOR

## Anthropology Minor

### REQUIRED CLASSES

ENVST 2000 Field Experience: Environment & Sustainability  
 ENVST 2050 Introduction to Environmental Science (SF)  
 ENVST 2100 Introduction to Environmental & Sustainability Studies (BF)  
*These three courses are pre-requisites for the upper division ENVST courses*

ENVST/GEOG 3210 Global Climate Change (SF)  
 \*ENVST 3364 Challenges to Global Sustainability (IR)  
 \*ENVST 3365 Environmental Justice (DV)  
 POLS 5322 Environmental Policy

#### Statistics Courses (select one)

\*COMM 3710 Intro to Quantitative Comm. Research (QI)  
 CMP 4010 Field Studies in Urban Ecology (QI)  
 \*GEOG 3020 Geographic Analysis (QI, QB)  
 \*POLS 5001 Quantitative Analysis in Political Science (QI)  
 SOC 3112 Social Statistics (QI, QB)

#### Writing Courses (select one)

COMM 4650 Environmental Reporting (CW)  
 CMP 4260 Land, Law, & Culture (CW)  
 GEOG 3/5270 Global Patterns of Life (CW, SF)  
 \*HONOR 3200 Writing in a Research University (CW)  
 \*MGT 3810 Business & Professional Communication (CW)  
 WRTG 3014 Scientific Writing (CW)  
 WRTG 3420 Environmental Writing (CW, HF)

#### Methods Courses (select one)

\*ANTH 4334 Population Issues in Anthropology (QI, QB)  
 BIOL 2355 Field Botany (2 cr)  
 \*CMP 4450 GIS for Urban Ecologists (QI)  
 \*GEO 3400 Computational & Field Meth in Applied Geoloav (2 cr)



#### Electives (select seven courses)

**ANTH 4186 Human Ecology (BF, SF)**  
 \*BIOL 2010 Evolution & Diversity of Life  
 BIOL 2400 Principles of Wildlife Ecology & Conservatio  
 \*BIOL 3340 Intro to Plant Biology  
 \*BIOL 3410 Ecology & Evolution  
 \*BIOL 3450 Rain Forest Ecology & Conservation (IR, SF)  
 BIOL 3710 Biology, Society & Public Engagement  
 BIOL 3470 Conservation Biology (AS)  
 \*BIOL 3485 Conservation Biology Lab (1 cr)  
 \*BIOL 5345 Natural History of the Colorado Plateau  
 \*BIOL 5455 Desert Ecology Field Course  
 \*BIOL 5460 Plant Ecology in a Changing World  
 \*CHEM 1210/1215 General Chemistry & Lab I (SF)  
 CMP 2010 Design Ecologies (BF)  
 CMP 3100 Planning Theory & Practice  
 CMP 3200 Ecology of Human Settlements  
 CMP 4710 Introduction to Transportation Planning  
 COMM 5360 Environmental Communication  
 ECON 3250 Intro to Env. & Natural Resource Economic  
 \*ECON 5250 Environmental & Natural Resource Econo  
 ENVT 2050 Literature of the American West

Course #	Title	Sem/Year	Grade	Credit Hours
<b>Required:</b>				
1010	Culture and the Human Experience [BF}	/		
<b>Choose <u>one</u> of the following:</b>				
1020	Human Origins: Evolution & Diversity [SF]	/		
1030	World Prehistory: An Introduction (Archaeology) [BF]	/		
1050	Evolution of Human Nature [SF]	/		
<b>12 Additional hours required: (6 hours at 3000 level or above-<i>limited summer offerings</i>)</b>				
4186	Human Ecology	/		
4334	Population Issues in ANTH (QI, QB)	/		
		/		
		/		
<b>TOTAL HOURS -- Minimum of 18 semester credit hours</b> (A minimum of 12 semester credit hours taken at the U of U)				

*Please note:* You must earn a grade of "C" or better for courses to count towards your minor.

# ENVST LAND MANAGEMENT, CONSERVATION & PLACE WITH PARKS, RECREATION & TOURISM (PRT) MINOR

## PRT Minor

Course #	Course Name	Credits
<b>Select one of the following:</b>		
PRT 1110	Leisure in Your Life	3
PRT 3100	Foundations of Parks, Recreation, and Tourism	3
<b>Sub-Total</b>		3
<b>Select one of the following:</b>		
PRT 3310	Leisure Behavior and Human Diversity	3
PRT 3320	Programming and Leadership	4
PRT 3207	PRT Management	3
<b>Sub-Total</b>		3-4
<b>Select 12 upper division credit hours from approved courses in ONE emphasis area:</b>		
Commercial, Community, and Sport Management		
Sustainable Tourism and Hospitality Management		
Outdoor Recreation Studies		
<b>Sub-Total</b>		12
<b>Total</b>		<b>18-19</b>

**CMP 3200** Ecology of Human Settlements  
**CMP 4710** Introduction to Transportation Planning  
**COMM 5360** Environmental Communication  
**ECON 3250** Intro to Env. & Natural Resource Economics (BF)  
**\*ECON 5250** Environmental & Natural Resource Economics  
**ENGL 2050** Literature of the American West  
**ENGL 3080** Studies in Environmental Literature  
**ENVST 3280** Organic Gardening (AS)  
**\*ENVST 3390** Sustainable Streams & Riparian Zones  
**ENVST 3720** Environmental Health Disparities  
**FCS/PSY 3620** Environmental Psychology & Sustainability  
**FCS 5600** Environments & Human Behavior  
**FCS 5630** Healthy Communities  
**FCS 5730** Community and Environmental Change  
**GEO 1050** National Parks: Geology Behind the Scenery  
**\*GEO 3200** Natural Disasters  
**\*GEOG 3200** Geomorphology: Mountains, Rivers, Deserts (SF)  
**GEOG 3350** Resource Conservation & Environ Management (BF)  
**GEOG 3380** Wilderness Issues and Management  
**GEOG 3385** Environmental Assessment  
**\*HIST 4380 US** Environmental History  
**\*HONOR 3215** Global Environmental Change  
**POLS 5540** Nonprofit Advocacy  
**PHIL 3530** Environmental Ethics (HF)  
**PHIL 5530** Environmental Philosophy (HF)  
**PRT 5410** Land & Resource Recreation Planning  
**PRT 5420** Ecology & Management of Wildland Recreation Settings  
**PRT 5430** Recreation Issues in Human Dimensions of Life  
**PSY 4130** Cognition in the Wild  
**SOC 3480** Environmental Sociology

### Methods Courses (select one)

**\*ANTH 4334** Population Issues in Anthropology (QI, QB)  
**BIOL 2355** Field Botany (2 cr)  
**\*CMP 4450** GIS for Urban Ecologists (QI)  
**\*GEO 3400** Computational & Field Meth in Applied Geology (2 cr)  
**\*GEOG 3100** Introduction to GIS & Cartography (QI) (5 cr)  
**\*GEOG 5712** Paleoenvironmental Field Methods  
**POLS 3001** Political Analysis (QI, QB)  
**\*PRT 3780** Program & Service Evaluation in Parks, Recreation & Tourism (QI, QB)  
**SOC 3111** Research Methods (CW)

### To Be Completed in Your Last Year

**\*ENVST 4800** Environmental & Sustainability Studies Internship  
**\*ENVST 5555** Capstone: Land Management, Conservation & Place

## CAREER OUTLOOK

Bureau of Land Management  
 US Forest Service  
 Division of Wildlife Resources  
 Fish & Game  
 Department of Agriculture & Food & Forestry  
 Land focused conservation organizations  
 Nature Conservancy  
 Environmental Law

## SCHOOL ARCHIVE

# ENVST LAND MANAGEMENT, CONSERVATION & PLACE WITH GEOGRAPHY MINOR

## Geography Minor



ENVST 2000 Field Experience: Environment & Sustainability  
 ENVST 2050 Introduction to Environmental Science (SF)  
 ENVST 2100 Introduction to Environmental & Sustainability Studies (BF)  
*These three courses are pre-requisites for the upper division ENVST courses*

**ENVST/GEOG 3210 Global Climate Change (SF)**  
 \*ENVST 3364 Challenges to Global Sustainability (IR)  
 \*ENVST 3365 Environmental Justice (DV)  
 POLS 5322 Environmental Policy

**Statistics Courses (select one)**  
 \*COMM 3710 Intro to Quantitative Comm. Research (QI)  
 CMP 4010 Field Studies in Urban Ecology (QI)  
**\*GEOG 3020 Geographic Analysis (QI, QB)**  
 \*POLS 5001 Quantitative Analysis in Political Science (QI)  
 SOC 3112 Social Statistics (QI, QB)

**Writing Courses (select one)**  
 COMM 4650 Environmental Reporting (CW)  
 CMP 4260 Land, Law, & Culture (CW)  
**GEOG 3/5270 Global Patterns of Life (CW, SF)**  
 \*HONOR 3200 Writing in a Research University (CW)  
 \*MGT 3810 Business & Professional Communication (CW)  
 WRTG 3014 Scientific Writing (CW)  
 WRTG 3420 Environmental Writing (CW, HF)

**Methods Courses (select one)**  
 \*ANTH 4334 Population Issues in Anthropology (QI, QB)  
 BIOL 2355 Field Botany (2 cr)  
 \*CMP 4450 GIS for Urban Ecologists (QI)  
 \*GEO 3400 Computational & Field Meth in Applied Geology (2 cr)  
**\*GEOG 3100 Introduction to GIS & Cartography (QI) (5 cr)**  
**\*GEOG 5712 Paleoenvironmental Field Methods**  
 POLS 3001 Political Analysis (QI, QB)  
 \*PRT 3780 Program & Service Evaluation in Parks, Recreation & Tourism (QI, QB)  
 SOC 3111 Research Methods (CW)

**To Be Completed in Your Last Year**  
 \*ENVST 4800 Environmental & Sustainability Studies Internship  
 \*ENVST 5555 Capstone: Land Management, Conservation & Place

### CAREER OUTLOOK

Bureau of Land Management  
 U.S. Forest Service

**Electives (select seven courses)**  
 ANTH 4186 Human Ecology (BF, SF)  
 \*BIOL 2010 Evolution & Diversity of Life  
 BIOL 2400 Principles of Wildlife Ecology & Conservation (AS)  
 \*BIOL 3340 Intro to Plant Biology  
 \*BIOL 3410 Ecology & Evolution  
 \*BIOL 3450 Rain Forest Ecology & Conservation (IR, SF)  
 BIOL 3710 Biology, Society & Public Engagement  
 BIOL 3470 Conservation Biology (AS)  
 \*BIOL 3485 Conservation Biology Lab (1 cr)  
 \*BIOL 5345 Natural History of the Colorado Plateau  
 \*BIOL 5455 Desert Ecology Field Course  
 \*BIOL 5460 Plant Ecology in a Changing World  
 \*CHEM 1210/1215 General Chemistry & Lab I (SF)  
 CMP 2010 Design Ecologies (BF)  
 CMP 3100 Planning Theory & Practice  
 CMP 3200 Ecology of Human Settlements  
 CMP 4710 Introduction to Transportation Planning  
 COMM 5360 Environmental Communication  
 ECON 3250 Intro to Env. & Natural Resource Economics (BF)  
 \*ECON 5250 Environmental & Natural Resource Economics  
 ENGL 2050 Literature of the American West  
 ENGL 3080 Studies in Environmental Literature  
 ENVST 3280 Organic Gardening (AS)  
**\*ENVST 3390 Sustainable Streams & Riparian Zones**  
 ENVST 3720 Environmental Health Disparities  
 FCS/PSY 3620 Environmental Psychology & Sustainability  
 FCS 5600 Environments & Human Behavior  
 FCS 5630 Healthy Communities  
 FCS 5730 Community and Environmental Change  
 GEO 1050 National Parks: Geology Behind the Scenery  
 \*GEO 3200 Natural Disasters  
**\*GEOG 3200 Geomorphology: Mountains, Rivers, Deserts (SF)**  
**GEOG 3350 Resource Conservation & Environ Management (BF)**  
**GEOG 3380 Wilderness Issues and Management**  
**GEOG 3385 Environmental Assessment**

Course Number and Title	Credit Hrs
<b>Required Courses</b>	
GEOG 1000 – Earth Environments and Global Change	3
GEOG 1400 – Human Geography	3
<b>GEOG 3100 – Introduction to GIS &amp; Cartography (Fall /+online Spring &amp; Summer)</b>	<b>5</b>
<b>Elective Courses—upper division courses (≥ 3000)</b>	
GEOG 3### – Choose from: GEOG 3350, 3200, 3390,	
GEOG 3### – 3/5270, and/or 3020	
GEOG 3###	
<b>TOTAL COURSES (min. 6)</b>	
<b>TOTAL RESIDENCY HRS. (12 cr. hrs. at U of U Geog. Dept.)</b>	

All courses for the minor must be taken for a letter grade and completed with a C- or better

# ENVST LAND MANAGEMENT, CONSERVATION, & PLACE WITH EARTH SCIENCE MINOR

## Earth Science Minor

### EARTH SCIENCE MINOR

#### REQUIRED COURSES:

Course	Title	Credits	Prerequisites
GEO 1100	EVOLVING EARTH	3	N/A
GEO 2500	WASATCH IN THE FIELD	3	N/A
<b>TOTAL</b>		<b>6</b>	

#### ELECTIVES: COMPLETE 6 CREDIT HOURS

Course	Title	Credits	Prerequisites
GEO 1000	SCIENCE IN CINEMA	3	N/A
GEO 1040	THE WORLD OF DINOSAURS	3	N/A
GEO 1050	NATIONAL PARKS: GEOLOGY BEHIND THE SCENERY	3	N/A
GEO 1110	INTRO TO EARTH SYSTEMS	3	N/A
GEO 1115	INTRO TO EARTH SYSTEMS LAB	1	N/A
GEO 2100*	REACTIVE EARTH	3	GEO 1100, CHEM 1210

\*GEO 2100 is highly recommended as it is a prerequisite for many 3000+ level classes.

#### ADDITIONAL COURSES: COMPLETE 6 CREDIT HOURS

6 credit hours of any GEO course 3000-5000.

CMP 3200 Ecology of Human Settlements  
 CMP 4710 Introduction to Transportation Planning  
 COMM 5360 Environmental Communication  
 ECON 3250 Intro to Env. & Natural Resource Economics (BF)  
 \*ECON 5250 Environmental & Natural Resource Economics  
 ENGL 2050 Literature of the American West  
 ENGL 3080 Studies in Environmental Literature  
 ENVST 3280 Organic Gardening (AS)  
 \*ENVST 3390 Sustainable Streams & Riparian Zones  
 ENVST 3720 Environmental Health Disparities  
 FCS/PSY 3620 Environmental Psychology & Sustainability  
 FCS 5600 Environments & Human Behavior  
 FCS 5630 Healthy Communities  
 FCS 5730 Community and Environmental Change  
 GEO 1050 National Parks: Geology Behind the Scenery  
 \*GEO 3200 Natural Disasters  
 \*GEOG 3200 Geomorphology: Mountains, Rivers, Deserts (SF)  
 GEOG 3350 Resource Conservation & Environ Management (BF)  
 GEOG 3380 Wilderness Issues and Management  
 GEOG 3385 Environmental Assessment  
 \*HIST 4380 US Environmental History  
 \*HONOR 3215 Global Environmental Change  
 POLS 5540 Nonprofit Advocacy  
 PHIL 3530 Environmental Ethics (HF)  
 PHIL 5530 Environmental Philosophy (HF)  
 PRT 5410 Land & Resource Recreation Planning  
 PRT 5420 Ecology & Management of Wildland Recreation Settings  
 PRT 5430 Recreation Issues in Human Dimensions of Life  
 PSY 4130 Cognition in the Wild  
 SOC 3480 Environmental Sociology

#### Methods Courses (select one)

\*ANTH 4334 Population Issues in Anthropology (QI, QB)

BIOL 2355 Field Botany (2 cr)

\*CMP 4450 GIS for Urban Ecologists (QI)

\*GEO 3400 Computational & Field Meth in Applied Geology (2 cr)

\*GEOG 3100 Introduction to GIS & Cartography (QI) (5 cr)

\*GEOG 5712 Paleoenvironmental Field Methods

\*POLS 3001 Political Analysis (QI, QB)

\*PRT 3780 Program & Service Evaluation in Parks, Recreation & Tourism (QI, QB)

SOC 3111 Research Methods (CW)

#### To Be Completed in Your Last Year

\*ENVST 4800 Environmental & Sustainability Studies Internship

\*ENVST 5555 Capstone: Land Management, Conservation & Place

## CAREER OUTLOOK

Bureau of Land Management

US Forest Service

Division of Wildlife Resources

Fish & Game

Department of Agriculture & Food & Forestry

Land focused conservation organizations

Nature Conservancy

Environmental Law

## SCHOOL ARCHIVE

# ENVST LAND MANAGEMENT, CONSERVATION & PLACE WITH CONSUMER & COMMUNITY STUDIES MINOR

## Consumer and Community Studies (CCS) Minor

### Statistics Courses (select one)

- \*COMM 3710 Intro to Quantitative Comm. Research (QI)
- CMP 4010 Field Studies in Urban Ecology (QI)
- \*GEOG 3020 Geographic Analysis (QI, QB)
- \*POLS 5001 Quantitative Analysis in Political Science (QI)
- SOC 3112 Social Statistics (QI, QB)

### Writing Courses (select one)

- COMM 4650 Environmental Reporting (CW)
- CMP 4260 Land, Law, & Culture (CW)
- GEOG 3/5270 Global Patterns of Life (CW, SF)
- \*HONOR 3200 Writing in a Research University (CW)
- \*MGT 3810 Business & Professional Communication (CW)
- WRTG 3014 Scientific Writing (CW)
- WRTG 3420 Environmental Writing (CW, HF)

### Methods Courses (select one)

- \*ANTH 4334 Population Issues in Anthropology (QI, QB)
- BIOL 2355 Field Botany (2 cr)
- \*CMP 4450 GIS for Urban Ecologists (QI)
- \*GEO 3400 Computational & Field Meth in Applied Geology (2 cr)
- \*GEOG 3100 Introduction to GIS & Cartography (QI) (5 cr)
- \*GEOG 5712 Paleoenvironmental Field Methods
- POLS 3001 Political Analysis (QI, QB)
- \*PRT 3780 Program & Service Evaluation in Parks, Recreation & Tourism (QI, QB)
- SOC 3111 Research Methods (CW)

### To Be Completed in Your Last Year

- \*ENVST 4800 Environmental & Sustainability Studies Internship
- \*ENVST 5555 Capstone: Land Management, Conservation & Place

## CAREER OUTLOOK

Bureau of Land Management

### ELECTIVES (select seven courses)

- ANTH 4186 Human Ecology (BF, SF)
- \*BIOL 2010 Evolution & Diversity of Life
- BIOL 2400 Principles of Wildlife Ecology & Conservation (AS)
- \*BIOL 3340 Intro to Plant Biology
- \*BIOL 3410 Ecology & Evolution
- \*BIOL 3450 Rain Forest Ecology & Conservation (IR, SF)
- BIOL 3710 Biology, Society & Public Engagement
- BIOL 3470 Conservation Biology (AS)
- \*BIOL 3485 Conservation Biology Lab (1 cr)
- \*BIOL 5345 Natural History of the Colorado Plateau
- \*BIOL 5455 Desert Ecology Field Course
- \*BIOL 5460 Plant Ecology in a Changing World
- \*CHEM 1210/1215 General Chemistry & Lab I (SF)
- CMP 2010 Design Ecologies (BF)
- CMP 3100 Planning Theory & Practice
- CMP 3200 Ecology of Human Settlements
- CMP 4710 Introduction to Transportation Planning
- COMM 5360 Environmental Communication
- ECON 3250 Intro to Env. & Natural Resource Economics (BF)
- \*ECON 5250 Environmental & Natural Resource Economics
- ENGL 2050 Literature of the American West
- ENGL 3080 Studies in Environmental Literature
- ENVST 3280 Organic Gardening (AS)
- \*ENVST 3390 Sustainable Streams & Riparian Zones
- ENVST 3720 Environmental Health Disparities
- FCS/PSY 3620 Environmental Psychology & Sustainability
- FCS 5600 Environments & Human Behavior
- FCS 5630 Healthy Communities
- FCS 5730 Community and Environmental Change
- GEO 1050 National Parks: Geology Behind the Scenery
- \*GEO 3200 Natural Disasters
- \*GEOG 3200 Geomorphology: Mountains, Rivers, Deserts (SF)
- GEOG 3350 Resource Conservation & Environ Management (BF)
- GEOG 3380 Wilderness Issues and Management

Minimum CCS Minor Hours: 15 (at least 6 semester hours for the CCS major must be completed at the University of Utah). All CCS minor courses must be completed with a letter grade of C- or better.

### 1. CCS CORE (6 Credit Hours)

- FCS 3450 Family Economic Issues (QI/BF) –or FCS 3500 Financial Skills for Life 3
- FCS 3600 Consumer and Community Policy 3

### 2. CCS ELECTIVES (9 Credit Hours, at least 3 credits at 5000 level)

- FCS 3180 Family, School, & Community Connections
- FCS 3420 Housing Policy and Issues
- FCS 3430 Family Advocacy and Policy
- FCS 3450 Family Economic Issues
- FCS 3470 International Consumer Policy
- FCS 3500 Financial Skills for Life
- FCS 3620 Environmental Psychology & Sustainability
- FCS 5200 Family and Social Policy
- FCS 5430 Families, Consumers, & Health
- FCS 5450 Nonprofit community Organizations
- FCS 5510 Building Family Wealth
- FCS 5520 Retirement and Benefits Planning for Families
- FCS 5530 Income Tax Planning for Families
- FCS 5540 Protecting Family Wealth
- FCS 5550 Family Financial Planning Capstone
- FCS 5590 Intensive Spanish Culture and Community
- FCS 5630 Healthy Communities
- FCS 5700 Analyzing Community Growth: An Evidence-based Approach
- FCS 5730 Community & Environmental Change
- FCS 5950 Undergraduate Research
- FCS 5962/5964 Special Topics in CCS
- HNKLY 4900/4901/4902/4903 Internships
- OR HNKLY 4910 Washington DC Encounter

# ENVST LAND MANAGEMENT, CONSERVATION, & PLACE WITH URBAN ECOLOGY MINOR



## Urban Ecology Minor

- ENVST/GEOG 3210 Global Climate Change (SF)
- \*ENVST 3364 Challenges to Global Sustainability (IR)
- \*ENVST 3365 Environmental Justice (DV)
- POLS 5322 Environmental Policy

### Statistics Courses (select one)

- \*COMM 3710 Intro to Quantitative Comm. Research (QI)
- CMP 4010 Field Studies in Urban Ecology (QI)**
- \*GEOG 3020 Geographic Analysis (QI, QB)
- \*POLS 5001 Quantitative Analysis in Political Science (QI)
- SOC 3112 Social Statistics (QI, QB)

### Writing Courses (select one)

- COMM 4650 Environmental Reporting (CW)
- CMP 4260 Land, Law, & Culture (CW)**
- GEOG 3/5270 Global Patterns of Life (CW, SF)
- \*HONOR 3200 Writing in a Research University (CW)
- \*MGT 3810 Business & Professional Communication (CW)
- WRTG 3014 Scientific Writing (CW)
- WRTG 3420 Environmental Writing (CW, HF)

### Methods Courses (select one)

- \*ANTH 4334 Population Issues in Anthropology (QI, QB)
- BIOL 2355 Field Botany (2 cr)
- \***CMP 4450 GIS for Urban Ecologists (QI)**
- \*GEO 3400 Computational & Field Meth in Applied Geology (2 cr)
- \*GEOG 3100 Introduction to GIS & Cartography (QI) (5 cr)
- \*GEOG 5712 Paleoenvironmental Field Methods
- POLS 3001 Political Analysis (QI, QB)
- \*PRT 3780 Program & Service Evaluation in Parks, Recreation & Tourism (QI, QB)
- SOC 3111 Research Methods (CW)

### Electives (select seven courses)

- ANTH 4186 Human Ecology (BF, SF)
- \*BIOL 2010 Evolution & Diversity of Life
- BIOL 2400 Principles of Wildlife Ecology & Conservation (A)
- \*BIOL 3340 Intro to Plant Biology
- \*BIOL 3410 Ecology & Evolution
- \*BIOL 3450 Rain Forest Ecology & Conservation (IR, SF)
- BIOL 3710 Biology, Society & Public Engagement
- BIOL 3470 Conservation Biology (AS)
- \*BIOL 3485 Conservation Biology Lab (1 cr)
- \*BIOL 5345 Natural History of the Colorado Plateau
- \*BIOL 5455 Desert Ecology Field Course
- \*BIOL 5460 Plant Ecology in a Changing World
- \*CHEM 1210/1215 General Chemistry & Lab I (SF)
- CMP 2010 Design Ecologies (BF)**
- CMP 3100 Planning Theory & Practice**
- CMP 3200 Ecology of Human Settlements**
- CMP 4710 Introduction to Transportation Planning**
- COMM 5360 Environmental Communication
- ECON 3250 Intro to Env. & Natural Resource Economics (BF)
- \*ECON 5250 Environmental & Natural Resource Economics
- ENGL 2050 Literature of the American West
- ENGL 3080 Studies in Environmental Literature
- ENVST 3280 Organic Gardening (AS)
- \*ENVST 3390 Sustainable Streams & Riparian Zones
- ENVST 3720 Environmental Health Disparities
- FCS/PSY 3620 Environmental Psychology & Sustainability
- FCS 5600 Environments & Human Behavior

**CMP 2010**

Design Ecologies  
(3)

BF

**CMP 3200**

Ecology of Human  
Settlements  
(3)

**CMP 4600**

The Just City  
(3)

**DES 2630**

Design Contexts  
(3)

FF

**CMP 4010**

Field Studies in  
Urban Ecology I  
(4)

QI

**ELECTIVE**

Select from  
CMP 3000  
Level courses

# ENVST LAND MANAGEMENT, CONSERVATION & PLACE WITH POLITICAL SCIENCE MINOR

- \*ENVST 3364 Challenges to Global Sustainability (IR)
- \*ENVST 3365 Environmental Justice (DV)
- POLS 5322 Environmental Policy**

## Statistics Courses (select one)

- \*COMM 3710 Intro to Quantitative Comm. Research (QI)
- CMP 4010 Field Studies in Urban Ecology (QI)
- \*GEOG 3020 Geographic Analysis (QI, QB)
- \***POLS 5001 Quantitative Analysis in Political Science (QI)**
- SOC 3112 Social Statistics (QI, QB)

## Writing Courses (select one)

- COMM 4650 Environmental Reporting (CW)
- CMP 4260 Land, Law, & Culture (CW)
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- \*HONOR 3200 Writing in a Research University (CW)
- \*MGT 3810 Business & Professional Communication (CW)
- WRWG 3014 Scientific Writing (CW)
- WRWG 3420 Environmental Writing (CW, HF)

## Methods Courses (select one)

- \*ANTH 4334 Population Issues in Anthropology (QI, QB)
- BIOL 2355 Field Botany (2 cr)
- \*CMP 4450 GIS for Urban Ecologists (QI)
- \*GEO 3400 Computational & Field Meth in Applied Geology (2 cr)
- \*GEOG 3100 Introduction to GIS & Cartography (QI) (5 cr)
- \*GEOG 5712 Paleoenvironmental Field Methods
- POLS 3001 Political Analysis (QI, QB)**
- \*PRT 3780 Program & Service Evaluation in Parks, Recreation & Tourism (QI, QB)
- SOC 3111 Research Methods (CW)

## To Be Completed in Your Last Year

- \*ENVST 4800 Environmental & Sustainability Studies Internship
- \*ENVST 5555 Capstone: Land Management, Conservation & Place

## CAREER OUTLOOK

Bureau of Land Management  
US Forest Service  
Division of Wildlife Resources  
Fish & Game  
Department of Agriculture & Food & Forestry

## Electives (select seven courses)

- ANTH 4186 Human Ecology (BF, SF)
- \*BIOL 2010 Evolution & Diversity of Life
- BIOL 2400 Principles of Wildlife Ecology & Conservation (AS)
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- BIOL 3470 Conservation Biology (AS)
- \*BIOL 3485 Conservation Biology Lab (1 cr)
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- \*BIOL 5455 Desert Ecology Field Course
- \*BIOL 5460 Plant Ecology in a Changing World
- \*CHEM 1210/1215 General Chemistry & Lab I (SF)
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- COMM 5360 Environmental Communication
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- ENGL 2050 Literature of the American West
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- \*GEO 3200 Natural Disasters
- \*GEOG 3200 Geomorphology: Mountains, Rivers, Deserts (SF)
- GEOG 3350 Resource Conservation & Environ Management (BF)
- GEOG 3380 Wilderness Issues and Management
- GEOG 3385 Environmental Assessment
- \*HIST 4380 US Environmental History
- \*HONOR 3215 Global Environmental Change
- POLS 5540 Nonprofit Advocacy**
- PHIL 3530 Environmental Ethics (HF)
- PHIL 5530 Environmental Philosophy (HF)

## Political Science Minor

Minor Requirements: All courses must be taken for a letter grade with a minimum cumulative GPA of 2.0. A grade of C- or higher must be earned in required POLS courses. Minimum credit hours 18.

### Required Introductory Courses (choose two for a total of 6 credit hours):

- POLS 1100 US National Government (3, AI)
- POLS 2100 Introduction to International Relations (3, BF)
- POLS 2200 Introduction to Comparative Politics (3, BF)
- POLS 2300 Introduction to Political Theory (3, HF)

### Political Science Upper Division Electives\* (12 credit hours, 3000 level or higher):

- POLS **POLS 5322 – Environmental Policy**
- POLS **POLS 3001 – Political Analysis**
- POLS **POLS 5001 – Quantitative Analysis in POLS**
- POLS **POLS 5540 – Nonprofit Advocacy**

For a full list of courses and descriptions, visit: [catalog.utah.edu](http://catalog.utah.edu) or see an advisor for more details.

\*A maximum of three internship credit hours may be used towards this requirement.

### Political Science Advising Team

Madalyn Smith, Lead Advisor: [madalyn.smith@csbs.utah.edu](mailto:madalyn.smith@csbs.utah.edu)  
Tracey Farnsworth, Academic Advising Coordinator: [tracey.farnsworth@utah.edu](mailto:tracey.farnsworth@utah.edu)



# ENVST LAND MANAGEMENT, CONSERVATION & PLACE WITH GLOBAL CITIZENSHIP MINOR

- ENVST/GEOG 3210** Global Climate Change (SF)
- \*ENVST 3364** Challenges to Global Sustainability (IR)
- \*ENVST 3365** Environmental Justice (DV)
- POLS 5322** Environmental Policy

## Statistics Courses (select one)

- \*COMM 3710** Intro to Quantitative Comm. Research (QI)
- CMP 4010** Field Studies in Urban Ecology (QI)
- \*GEOG 3020** Geographic Analysis (QI, QB)
- \*POLS 5001** Quantitative Analysis in Political Science (QI)
- SOC 3112** Social Statistics (QI, QB)

## Writing Courses (select one)

- COMM 4650** Environmental Reporting (CW)
- CMP 4260** Land, Law, & Culture (CW)
- GEOG 3/5270** Global Patterns of Life (CW, SF)
- \*HONOR 3200** Writing in a Research University (CW)
- \*MGT 3810** Business & Professional Communication (CW)
- WRTG 3014** Scientific Writing (CW)
- WRTG 3420** Environmental Writing (CW, HF)

## Methods Courses (select one)

- \*ANTH 4334** Population Issues in Anthropology (QI, QB)
- BIOL 2355** Field Botany (2 cr)
- \*CMP 4450** GIS for Urban Ecologists (QI)
- \*GEO 3400** Computational & Field Meth in Applied Geology (2 cr)
- \*GEOG 3100** Introduction to GIS & Cartography (QI) (5 cr)
- \*GEOG 5712** Paleoenvironmental Field Methods
- POLS 3001** Political Analysis (QI, QB)
- \*PRT 3780** Program & Service Evaluation in Parks, Recreation & Tourism (QI, QB)
- SOC 3111** Research Methods (CW)

## To Be Completed in Your Last Year

- \*ENVST 4800** Environmental & Sustainability Studies Internship
- \*ENVST 5555** Capstone: Land Management, Conservation & Place

## CAREER OUTLOOK

- Bureau of Land Management
- US Forest Service
- Division of Wildlife Resources
- Fish & Game
- Department of Agriculture & Food & Forestry
- Land focused conservation organizations
- Nature Conservancy
- Environmental Law

## SCHOLARSHIPS



## Electives (select seven courses)

- ANTH 4186** Human Ecology (BF, SF)
- \*BIOL 2010** Evolution & Diversity of Life
- BIOL 2400** Principles of Wildlife Ecology & Conservation (AS)
- \*BIOL 3340** Intro to Plant Biology
- \*BIOL 3410** Ecology & Evolution
- \*BIOL 3450** Rain Forest Ecology & Conservation (IR, SF)
- BIOL 3710** Biology, Society & Public Engagement
- BIOL 3470** Conservation Biology (AS)
- \*BIOL 3485** Conservation Biology Lab (1 cr)
- \*BIOL 5345** Natural History of the Colorado Plateau
- \*BIOL 5455** Desert Ecology Field Course
- \*BIOL 5460** Plant Ecology in a Changing World
- \*CHEM 1210/1215** General Chemistry & Lab I (SF)
- CMP 2010** Design Ecologies (BF)
- CMP 3100** Planning Theory & Practice
- CMP 3200** Ecology of Human Settlements
- CMP 4710** Introduction to Transportation Planning
- COMM 5360** Environmental Communication
- ECON 3250** Intro to Env. & Natural Resource Economics (BF)
- \*ECON 5250** Environmental & Natural Resource Economics
- ENGL 2050** Literature of the American West
- ENGL 3080** Studies in Environmental Literature
- ENVST 3280** Organic Gardening (AS)
- \*ENVST 3390** Sustainable Streams & Riparian Zones
- ENVST 3720** Environmental Health Disparities
- FCS/PSY 3620** Environmental Psychology & Sustainability
- FCS 5600** Environments & Human Behavior
- FCS 5630** Healthy Communities
- FCS 5730** Community and Environmental Change
- GEO 1050** National Parks: Geology Behind the Scenery
- \*GEO 3200** Natural Disasters
- \*GEOG 3200** Geomorphology: Mountains, Rivers, Deserts (SF)
- GEOG 3350** Resource Conservation & Environ Management (BF)
- GEOG 3380** Wilderness Issues and Management
- GEOG 3385** Environmental Assessment
- \*HIST 4380** US Environmental History
- \*HONOR 3215** Global Environmental Change
- POLS 5540** Nonprofit Advocacy
- PHIL 3530** Environmental Ethics (HF)
- PHIL 5530** Environmental Philosophy (HF)
- PRT 5410** Land & Resource Recreation Planning
- PRT 5420** Ecology & Management of Wildland Recreation Settings
- PRT 5430** Recreation Issues in Human Dimensions of Life
- PSY 4130** Cognition in the Wild
- SOC 3480** Environmental Sociology (IR)

## Global Citizenship Minor

### REQUIRED CORE (choose one)

3 credits

- UGS 2230 Block U: Global Citizenship
- UGS 2235 Block U: Global Citizenship

### LANGUAGE COURSES

6 - 8 credits

<input type="checkbox"/>
<input type="checkbox"/>

Complete two language courses at any level, taught in the target language:  
8 credits of lower-division language OR  
6 credits of upper-division language

### ELECTIVES

9 credits

<input type="checkbox"/> ENVST/GEOG 3210
<input type="checkbox"/> ENVST 3364 (IR)
<input type="checkbox"/> BIOL 3450 (IR)
<input type="checkbox"/> SOC 3480 (IR)

Complete 9 credits of approved elective courses. No more than two courses may come from a single track (FF, HF, AS, SF, BF, DV, CW, IR, QI).

\*See International Studies website or advisor for full list

# ENVST LAND MANAGEMENT, CONSERVATION & PLACE WITH SOCIOLOGY MINOR

## Statistics Courses (select one)

- \*COMM 3710 Intro to Quantitative Comm. Research (QI)
- CMP 4010 Field Studies in Urban Ecology (QI)
- \*GEOG 3020 Geographic Analysis (QI, QB)
- \*POLS 5001 Quantitative Analysis in Political Science (QI)
- SOC 3112 Social Statistics (QI, QB)**

## Writing Courses (select one)

- COMM 4650 Environmental Reporting (CW)
- CMP 4260 Land, Law, & Culture (CW)
- GEOG 3/5270 Global Patterns of Life (CW, SF)
- \*HONOR 3200 Writing in a Research University (CW)
- \*MGT 3810 Business & Professional Communication (CW)
- WRTG 3014 Scientific Writing (CW)
- WRTG 3420 Environmental Writing (CW, HF)

## Methods Courses (select one)

- \*ANTH 4334 Population Issues in Anthropology (QI, QB)
- BIOL 2355 Field Botany (2 cr)
- \*CMP 4450 GIS for Urban Ecologists (QI)
- \*GEO 3400 Computational & Field Meth in Applied Geology (2 cr)
- \*GEOG 3100 Introduction to GIS & Cartography (QI) (5 cr)
- \*GEOG 5712 Paleoenvironmental Field Methods
- POLS 3001 Political Analysis (QI, QB)
- \*PRT 3780 Program & Service Evaluation in Parks, Recreation & Tourism (QI, QB)
- SOC 3111 Research Methods (CW)**

## To Be Completed in Your Last Year

- \*ENVST 4800 Environmental & Sustainability Studies Internship
- \*ENVST 5555 Capstone: Land Management, Conservation & Place

## CAREER OUTLOOK

Bureau of Land Management  
 US Forest Service  
 Division of Wildlife Resources  
 Fish & Game  
 Department of Agriculture & Food & Forestry  
 Land focused conservation organizations  
 Nature Conservancy  
 Environmental Law

SCHOOL ARCHIVE

## Electives (select seven courses)

- ANTH 4186 Human Ecology (BF, SF)
- \*BIOL 2010 Evolution & Diversity of Life
- BIOL 2400 Principles of Wildlife Ecology & Conservation (AS)
- \*BIOL 3340 Intro to Plant Biology
- \*BIOL 3410 Ecology & Evolution
- \*BIOL 3450 Rain Forest Ecology & Conservation (IR, SF)
- BIOL 3710 Biology, Society & Public Engagement
- BIOL 3470 Conservation Biology (AS)
- \*BIOL 3485 Conservation Biology Lab (1 cr)
- \*BIOL 5345 Natural History of the Colorado Plateau
- \*BIOL 5455 Desert Ecology Field Course
- \*BIOL 5460 Plant Ecology in a Changing World
- \*CHEM 1210/1215 General Chemistry & Lab I (SF)
- CMP 2010 Design Ecologies (BF)
- CMP 3100 Planning Theory & Practice
- CMP 3200 Ecology of Human Settlements
- CMP 4710 Introduction to Transportation Planning
- COMM 5360 Environmental Communication
- ECON 3250 Intro to Env. & Natural Resource Economics (BF)
- \*ECON 5250 Environmental & Natural Resource Economics
- ENGL 2050 Literature of the American West
- ENGL 3080 Studies in Environmental Literature
- ENVST 3280 Organic Gardening (AS)
- \*ENVST 3390 Sustainable Streams & Riparian Zones
- ENVST 3720 Environmental Health Disparities
- FCS/PSY 3620 Environmental Psychology & Sustainability
- FCS 5600 Environments & Human Behavior
- FCS 5630 Healthy Communities
- FCS 5730 Community and Environmental Change
- GEO 1050 National Parks: Geology Behind the Scenery
- \*GEO 3200 Natural Disasters
- \*GEOG 3200 Geomorphology: Mountains, Rivers, Deserts (SF)
- GEOG 3350 Resource Conservation & Environ Management (BF)
- GEOG 3380 Wilderness Issues and Management
- GEOG 3385 Environmental Assessment
- \*HIST 4380 US Environmental History
- \*HONOR 3215 Global Environmental Change
- POLS 5540 Nonprofit Advocacy
- PHIL 3530 Environmental Ethics (HF)
- PHIL 5530 Environmental Philosophy (HF)
- PRT 5410 Land & Resource Recreation Planning
- PRT 5420 Ecology & Management of Wildland Recreation Settings
- PRT 5430 Recreation Issues in Human Dimensions of Life
- PSY 4130 Cognition in the Wild
- SOC 3480 Environmental Sociology**

## Sociology Minor

### SOCIOLOGY CORE

7 CREDITS

SOC 1010 INTRO TO SOCIOLOGY (4)

SOC 3140 SOCIAL THEORY (3)

-OR-

SOC 3111 RESEARCH METHODS (3)

### SOCIOLOGY ELECTIVE COURSES

12 CREDITS

(3000+) **SOC 3480 – Environmental Sociology**

(3000+) **SOC 3112 – Social Statistics (QI, QB)**

**ELECTIVE HOURS:** SOCIOLOGY MINORS ARE REQUIRED TO COMPLETE A MINIMUM OF 12 CREDIT HOURS IN ELECTIVE SOCIOLOGY CLASSES, OF WHICH AT LEAST 6 CREDIT HOURS MUST BE UPPER DIVISION. (3000 LEVEL OR ABOVE) ELECTIVE HOURS CAN INCLUDE INTERNSHIP COURSES (SOC 3393, SOC 3593), SENIOR THESIS COURSES (SOC 3877, SOC4877) BUT NOT INDEPENDENT STUDY COURSES.

# ENVST LAND MANAGEMENT, CONSERVATION & PLACE WITH APPLIED ETHICS MINOR

## Applied Ethics Minor

\*ENVST 3364 Challenges to Global Sustainability (IR)  
\*ENVST 3365 Environmental Justice (DV)  
**POLS 5322 Environmental Policy**

### Statistics Courses (select one)

\*COMM 3710 Intro to Quantitative Comm. Research (QI)  
CMP 4010 Field Studies in Urban Ecology (QI)  
\*GEOG 3020 Geographic Analysis (QI, QB)  
\*POLS 5001 Quantitative Analysis in Political Science (QI)  
SOC 3112 Social Statistics (QI, QB)

### Writing Courses (select one)

COMM 4650 Environmental Reporting (CW)  
CMP 4260 Land, Law, & Culture (CW)  
GEOG 3/5270 Global Patterns of Life (CW, SF)  
\*HONOR 3200 Writing in a Research University (CW)  
\*MGT 3810 Business & Professional Communication (CW)  
WRTG 3014 Scientific Writing (CW)  
WRTG 3420 Environmental Writing (CW, HF)

### Methods Courses (select one)

\*ANTH 4334 Population Issues in Anthropology (QI, QB)  
BIOL 2355 Field Botany (2 cr)  
\*CMP 4450 GIS for Urban Ecologists (QI)  
\*GEO 3400 Computational & Field Meth in Applied Geology (2 cr)  
\*GEOG 3100 Introduction to GIS & Cartography (QI) (5 cr)  
\*GEOG 5712 Paleoenvironmental Field Methods  
POLS 3001 Political Analysis (QI, QB)  
\*PRT 3780 Program & Service Evaluation in Parks, Recreation & Tourism (QI, QB)  
SOC 3111 Research Methods (CW)

### To Be Completed in Your Last Year

\*ENVST 4800 Environmental & Sustainability Studies Internship  
\*ENVST 5555 Capstone: Land Management, Conservation & Place

## CAREER OUTLOOK

Bureau of Land Management  
US Forest Service  
Division of Wildlife Resources  
Fish & Game  
Department of Agriculture & Food & Forestry  
Land focused conservation organizations

### Electives (select seven courses)

ANTH 4186 Human Ecology (BF, SF)  
\*BIOL 2010 Evolution & Diversity of Life  
BIOL 2400 Principles of Wildlife Ecology & Conservation (AS)  
\*BIOL 3340 Intro to Plant Biology  
\*BIOL 3410 Ecology & Evolution  
\*BIOL 3450 Rain Forest Ecology & Conservation (IR, SF)  
BIOL 3710 Biology, Society & Public Engagement  
BIOL 3470 Conservation Biology (AS)  
\*BIOL 3485 Conservation Biology Lab (1 cr)  
\*BIOL 5345 Natural History of the Colorado Plateau  
\*BIOL 5455 Desert Ecology Field Course  
\*BIOL 5460 Plant Ecology in a Changing World  
\*CHEM 1210/1215 General Chemistry & Lab I (SF)  
CMP 2010 Design Ecologies (BF)  
CMP 3100 Planning Theory & Practice  
CMP 3200 Ecology of Human Settlements  
CMP 4710 Introduction to Transportation Planning  
COMM 5360 Environmental Communication  
ECON 3250 Intro to Env. & Natural Resource Economics (BF)  
\*ECON 5250 Environmental & Natural Resource Economics  
ENGL 2050 Literature of the American West  
ENGL 3080 Studies in Environmental Literature  
ENVST 3280 Organic Gardening (AS)  
\*ENVST 3390 Sustainable Streams & Riparian Zones  
ENVST 3720 Environmental Health Disparities  
FCS/PSY 3620 Environmental Psychology & Sustainability  
FCS 5600 Environments & Human Behavior  
FCS 5630 Healthy Communities  
FCS 5730 Community and Environmental Change  
GEO 1050 National Parks: Geology Behind the Scenery  
\*GEO 3200 Natural Disasters  
\*GEOG 3200 Geomorphology: Mountains, Rivers, Deserts (SF)  
GEOG 3350 Resource Conservation & Environ Management (BF)  
GEOG 3380 Wilderness Issues and Management  
GEOG 3385 Environmental Assessment  
\*HIST 4380 US Environmental History  
\*HONOR 3215 Global Environmental Change  
POLS 5540 Nonprofit Advocacy  
**PHIL 3530 Environmental Ethics (HF)**  
PHIL 5530 Environmental Philosophy (HF)  
PRT 5410 Land & Resource Decision Planning

### ▼ Area I: Theories of Ethics and Moral Dimensions of Political/Public Life

Select **at least two** courses from the following:

- PHIL 3500 Ethics (HF)
- PHIL 3700 Political Philosophy (HF)
- PHIL 5500 Contemporary Ethical Theory
- POLS 3010 Democratic Theory
- POLS 5010 Foundations of Political Thought: Late Modern
- POLS 5025 American Political Thought
- POLS 5035 Contemporary Political Thought
- POLS 5140 Feminist Political Theory

### ▼ Area II: Theories Applied and Growing Out of Specific Issues Areas

Select **at least two** courses from one of the following groups. Note that both of these courses must be taken from the same group.

#### Group C: Engineering & Environmental Ethics

- PHIL 3510 Business and Professional Ethics (HF)
- **PHIL 3530 Environmental Ethics (HF)**
- PHIL 3730 Justice & International Affairs (IR)
- PHIL 4540 Engineering, Ethics, & Society (HF)
- **POLS 5322 Environmental Policy**

### ▼ Area III: Specific Coursework in Applied Areas

The student must take at least two courses, to be approved by Leslie Francis, from any fields where applied ethics are treated. To fulfill this requirement, students are encouraged to take courses in their major which also have an emphasis on ethics.

### ▼ Area IV: Elective

Students must take one additional course, to be selected from either Area I or Area II (please see above). This will permit students either 1) to deepen their understanding of (meta)-theory; or 2) to select an applied theory course from an area other than that chosen already for emphasis, thus allowing for comparative theoretical analysis and application.

# ENVST LAND MANAGEMENT, CONSERVATION & PLACE WITH LEADERSHIP STUDIES MINOR

ENVST/GEOG 3210 Global Climate Change (SF)  
\*ENVST 3364 Challenges to Global Sustainability (IR)  
\*ENVST 3365 Environmental Justice (DV)  
POLS 5322 Environmental Policy

## Statistics Courses (select one)

\*COMM 3710 Intro to Quantitative Comm. Research (QI)  
CMP 4010 Field Studies in Urban Ecology (QI)  
\*GEOG 3020 Geographic Analysis (QI, QB)  
\*POLS 5001 Quantitative Analysis in Political Science (QI)  
SOC 3112 Social Statistics (QI, QB)

## Writing Courses (select one)

COMM 4650 Environmental Reporting (CW)  
CMP 4260 Land, Law, & Culture (CW)  
GEOG 3/5270 Global Patterns of Life (CW, SF)  
\*HONOR 3200 Writing in a Research University (CW)  
**\*MGT 3810 Business & Professional Communication (CW)**  
WRTG 3014 Scientific Writing (CW)  
WRTG 3420 Environmental Writing (CW, HF)

## Methods Courses (select one)

\*ANTH 4334 Population Issues in Anthropology (QI, QB)  
BIOL 2355 Field Botany (2 cr)  
\*CMP 4450 GIS for Urban Ecologists (QI)  
\*GEO 3400 Computational & Field Meth in Applied Geology (2 cr)  
\*GEOG 3100 Introduction to GIS & Cartography (QI) (5 cr)  
\*GEOG 5712 Paleoenvironmental Field Methods  
POLS 3001 Political Analysis (QI, QB)  
\*PRT 3780 Program & Service Evaluation in Parks, Recreation & Tourism (QI, QB)  
SOC 3111 Research Methods (CW)

## To Be Completed in Your Last Year

\*ENVST 4800 Environmental & Sustainability Studies Internship  
\*ENVST 5555 Capstone: Land Management, Conservation & Place

## CAREER OUTLOOK

Bureau of Land Management  
US Forest Service  
Division of Wildlife Resources  
Fish & Game  
Department of Agriculture & Food & Forestry



## Electives (select seven courses)

ANTH 4186 Human Ecology (BF, SF)  
\*BIOL 2010 Evolution & Diversity of Life  
BIOL 2400 Principles of Wildlife Ecology & Conservation (AS)  
\*BIOL 3340 Intro to Plant Biology  
\*BIOL 3410 Ecology & Evolution  
\*BIOL 3450 Rain Forest Ecology & Conservation (IR, SF)  
BIOL 3710 Biology, Society & Public Engagement  
BIOL 3470 Conservation Biology (AS)  
\*BIOL 3485 Conservation Biology Lab (1 cr)  
\*BIOL 5345 Natural History of the Colorado Plateau  
\*BIOL 5455 Desert Ecology Field Course  
\*BIOL 5460 Plant Ecology in a Changing World  
\*CHEM 1210/1215 General Chemistry & Lab I (SF)  
CMP 2010 Design Ecologies (BF)  
CMP 3100 Planning Theory & Practice  
CMP 3200 Ecology of Human Settlements  
CMP 4710 Introduction to Transportation Planning  
COMM 5360 Environmental Communication  
ECON 3250 Intro to Env. & Natural Resource Economics (BF)  
\*ECON 5250 Environmental & Natural Resource Economics  
ENGL 2050 Literature of the American West  
ENGL 3080 Studies in Environmental Literature  
ENVST 3280 Organic Gardening (AS)  
\*ENVST 3390 Sustainable Streams & Riparian Zones  
ENVST 3720 Environmental Health Disparities  
FCS/PSY 3620 Environmental Psychology & Sustainability  
FCS 5600 Environments & Human Behavior  
FCS 5630 Healthy Communities  
FCS 5730 Community and Environmental Change  
GEO 1050 National Parks: Geology Behind the Scenery  
\*GEO 3200 Natural Disasters  
\*GEOG 3200 Geomorphology: Mountains, Rivers, Deserts (SF)  
GEOG 3350 Resource Conservation & Environ Management (BF)  
GEOG 3380 Wilderness Issues and Management  
GEOG 3385 Environmental Assessment  
\*HIST 4380 US Environmental History  
\*HONOR 3215 Global Environmental Change  
POLS 5540 Nonprofit Advocacy  
**PHIL 3530 Environmental Ethics (HF)**  
PHIL 5530 Environmental Philosophy (HF)

## Leadership Studies Minor

### Required Courses:

- LDRSP 2020 – Foundations in Leadership (3)
- LDRSP 4100 – Leadership Minor Practicum (4)
- LDRSP 4750 – Leadership Capstone (3)

### Category I – must choose 1 course:

- **PHIL 3530 – Environmental Ethics (3)**

### Category II – must choose 1 course:

- See Leadership website for complete options list

### Category III – must choose 1 course:

- **MGT 3810 – Business and Professional Communication (CW) (3)**

\*See website or advisor for full list at: [leadershipstudies.utah.edu](http://leadershipstudies.utah.edu)

# ENVST AIR, WATER, AND HEALTH WITH POLITICAL SCIENCE MINOR

\*ENVST 3365 Environmental Justice (DV)  
**POLS 5322 Environmental Policy**

## Statistics Courses (select one)

\*ATMOS 5040 Environmental Statistics (QI)  
 \*COMM 3710 Intro to Quantitative Comm. Research (QI)  
 CMP 4010 Field Studies in Urban Ecology (QI)  
 \*GEOG 3020 Geographic Analysis (QI, QB)  
**\*POLS 5001 Quantitative Analysis in Political Science (QI)**  
 SOC 3112 Social Statistics (QI, QB)

## Writing Courses (select one)

COMM 4650 Environmental Reporting (CW)  
 CMP 4260 Land, Law, & Culture (CW)  
 \*GEOG 3/5270 Global Patterns of Life (CW, SF)  
 \*HONOR 3200 Writing in a Research University (CW)  
 \*MGT 3810 Business & Professional Communication (CW)  
 WRTG 3014 Scientific Writing (CW)  
 WRTG 3420 Environmental Writing (CW, HF)  
 WRTG 4905 Studies in Professional Discourses (CW)

## Methods Courses (select one)

ATMOS 5050 Environmental Instrumentation (2 cr)  
 BIOL 3480 Biography of an Urban Stream  
 \*CMP 4450 GIS for Urban Ecologists (QI)  
 \*GEOG 3100 Introduction to GIS & Cartography (QI) (5cr)  
**POLS 3001 Political Analysis (QI, QB)**  
 SOC 3111 Research Methods (CW)

## To Be Completed in Your Last Year

\*ENVST 4800 Environmental & Sustainability Studies Internship  
 \*ENVST 5559 Capstone: Air, Water & Health

## CAREER OUTLOOK

Educator: Environmental, Secondary & Post-Secondary  
 City, State or Federal Regulator  
 Lawyer/Public Policy Specialist  
 University Extension Specialist  
 Restoration Practitioner  
 Agency or Academic Scientist  
 Urban Planner  
 Environmental Journalist

## Electives (select seven courses)

ATMOS 3000 Prof. Development in the Atmos. Sciences (1.5 cr)  
 \*ATMOS 3100 Atmospheric Chemistry & Air Pollution (IR)  
 \*ATMOS 5000 Intro to Atmospheric Science (QI)  
 ATMOS/GEOG 5260 Snow Dynamics & Avalanche Studies  
 \*BIOL 5345 Natural History of the Colorado Plateau  
 \*CHEM 1210/1215 General Chemistry & Lab I (SF)  
 CMP 3200 Ecology of Human Settlements  
 CMP 4380 Green Communities  
 CMP 4710 Intro to Transportation Planning  
 COMM 3115 Communicating Health, Science, Environment  
 COMM 5360 Environmental Communication  
 ECON 3250 Intro to Natural & Resource Economics (BF)  
 ECON 3/5190 Health Economics  
 ECON 3250 Intro to Environmental & Natural Resource Econo  
 \*ECON 5250 Environmental & Natural Resource Economics  
 ENGL 5080 Environmental Literature  
 ENVST 3280 Organic Gardening (AS)  
 \*ENVST 3390 Sustainable Streams and Riparian Zones  
 \*ENVST 3720 Environmental Health Disparities  
 FCS/PSY 3620 Environmental Psych. & Sustainability  
 FCS 5630 Healthy Communities  
 FCS 5730 Community and Environmental Change  
 GEO 3300 The Water Planet (SF)  
 \*GEO 3800 The Oceans (SF)  
 \*GEO 5350 Groundwater  
 \*GEO 5470 Stable Isotope Biochemistry and Ecology  
 \*GEOG 3200 Geomorphology: Mountains, Rivers, Deserts (SF)  
 GEOG 3/5292 Snow & Ice  
 GEOG 3330 Urban Environmental Geography (SF)  
 GEOG 5385 Environmental Assessment & Impact Analysis  
 GEOG 5435 The Oceans and Us  
 H EDU 3700 Environmental Health  
 HIST 4380 US Environmental History (HF)  
 HIST 4860 Environmental History of China  
 \*HONOR 3215 Global Environmental Change  
 \*MATH 1210 Calculus I (QR)  
 PHIL 3310 Science & Society (HF)  
 PHIL 3530 Environmental Ethics (HF)  
 PHIL 5530 Environmental Philosophy (HF)  
 PHIL 5540 Hydrotopia: Water Mgt in the West  
 \*PHYS 2010/2015 General Physics & Lab I (SF)  
 \*PHYS 2210/2215 Physics for Scientists & Engineers & Lab I (SF)  
**POLS 5321 Health Policy**  
**POLS 5510 Water Policy**  
**POLS 5540 Nonprofit Advocacy**  
 SOC 3100 Environmental Social Science

## Political Science Minor

Minor Requirements: All courses must be taken for a letter grade with a minimum cumulative GPA of 2.0. A grade of C- or higher must be earned in required POLS courses. Minimum credit hours 18.

### Required Introductory Courses (choose two for a total of 6 credit hours):

- POLS 1100 US National Government (3, AI)
- POLS 2100 Introduction to International Relations (3, BF)
- POLS 2200 Introduction to Comparative Politics (3, BF)
- POLS 2300 Introduction to Political Theory (3, HF)

### Political Science Upper Division Electives\* (12 credit hours, 3000 level or higher):

- POLS **POLS 5322 – Environmental Policy**
- POLS **POLS 3001, POLS 5001, POLS 5321, POLS 5510 and/or**
- POLS **POLS 5540**
- POLS

For a full list of courses and descriptions, visit: [catalog.utah.edu](http://catalog.utah.edu) or see an advisor for more details.

\*A maximum of three internship credit hours may be used towards this requirement.

### Political Science Advising Team

Madalyn Smith, Lead Advisor: [madalyn.smith@csbs.utah.edu](mailto:madalyn.smith@csbs.utah.edu)  
 Tracey Farnsworth, Academic Advising Coordinator: [tracey.farnsworth@utah.edu](mailto:tracey.farnsworth@utah.edu)



# ENVST AIR, WATER AND HEALTH WITH ATMOSPHERIC SCIENCE MINOR

## Atmospheric Science Minor

### REQUIRED CLASSES

**ENVST 2000** Field Experience: Environment and Sustainability  
**ENVST 2050** Introduction to Environmental Science (SF)  
**ENVST 2100** Introduction to Environmental and Sustainability Studies (BF)  
*These three courses are pre-requisites for the upper division ENVST courses*

**ENVST/GEOG 3210** Global Climate Change (SF)  
**\*ENVST 3364** Challenges to Global Sustainability (IR)  
**\*ENVST 3365** Environmental Justice (DV)  
**POLS 5322** Environmental Policy

#### Statistics Courses (select one)

**\*ATMOS 5040** Environmental Statistics (QI)  
**\*COMM 3710** Intro to Quantitative Comm. Research (QI)  
**CMP 4010** Field Studies in Urban Ecology (QI)  
**\*GEOG 3020** Geographic Analysis (QI, QB)  
**\*POLS 5001** Quantitative Analysis in Political Science (QI)  
**SOC 3112** Social Statistics (QI, QB)

#### Writing Courses (select one)

**COMM 4650** Environmental Reporting (CW)  
**CMP 4260** Land, Law, & Culture (CW)  
**\*GEOG 3/5270** Global Patterns of Life (CW, SF)  
**\*HONOR 3200** Writing in a Research University (CW)  
**\*MGT 3810** Business & Professional Communication (CW)  
**WRTG 3014** Scientific Writing (CW)  
**WRTG 3420** Environmental Writing (CW, HF)  
**WRTG 4905** Studies in Professional Discourses (CW)

#### Methods Courses (select one)

**ATMOS 5050** Environmental Instrumentation (2 cr)  
**BIOL 3480** Biography of an Urban Stream  
**\*CMP 4450** GIS for Urban Ecologists (QI)  
**\*GEOG 3100** Introduction to GIS & Cartography (QI) (5cr)  
**POLS 3001** Political Analysis (QI, QB)  
**PSY 3111** Research Methods (QI)



#### Electives (select seven courses)

**ATMOS 3000** Prof. Development in the Atmos. Sciences (1.5 cr)  
**\*ATMOS 3100** Atmospheric Chemistry & Air Pollution (IR)  
**\*ATMOS 5000** Intro to Atmospheric Science (QI)  
**ATMOS/GEOG 5260** Snow Dynamics & Avalanche Studies  
**\*BIOL 5345** Natural History of the Colorado Plateau  
**\*CHEM 1210/1215** General Chemistry & Lab I (SF)  
**CMP 3200** Ecology of Human Settlements  
**CMP 4380** Green Communities  
**CMP 4710** Intro to Transportation Planning  
**COMM 3115** Communicating Health, Science, Environment  
**COMM 5360** Environmental Communication  
**ECON 3250** Intro to Natural & Resource Economics (BF)  
**ECON 3/5190** Health Economics  
**ECON 3250** Intro to Environmental & Natural Resource Econom  
**\*ECON 5250** Environmental & Natural Resource Economics  
**ENGL 5080** Environmental Literature  
**ENVST 3280** Organic Gardening (AS)  
**\*ENVST 3390** Sustainable Streams and Riparian Zones  
**\*ENVST 3720** Environmental Health Disparities  
**FCS/PSY 3620** Environmental Psych. & Sustainability  
**FCS 5630** Healthy Communities  
**FCS 5730** Community and Environmental Change  
**GEO 3300** The Water Planet (SF)  
**\*GEO 3800** The Oceans (SF)  
**\*GEO 5350** Groundwater

### Requirements

Students must complete six required courses in the department, which should be selected in consultation with an Atmospheric Sciences advisor. Students who have not taken Calculus may choose from the courses in the table below. Engineering and science majors should contact an advisor for an appropriate alternative course sequence. All Atmospheric Sciences courses must be passed with a letter grade of C- or higher.

Course	Credits	Title	Prerequisites	Offered
ATMOS 1010* (SF)	3	Severe and Unusual Weather		Sp/S/F
ATMOS 1020* (SF)	3	Climate Change		Sp/F
ATMOS 3000	1.5	Professional Development in the Atmospheric Sciences		F 1 <sup>st</sup> half
ATMOS 3010	1.5	Weather Forecasting	ATMOS 1010 or ATMOS 3200	Sp 2 <sup>nd</sup> half
ATMOS 3200	3	Mountain Weather and Climate		Sp (Even years only)
ATMOS 5260	4	Snow Dynamics and Avalanche Studies		Sp
ATMOS 5400	3	The Climate System	MATH 1050	F

# ENVST AIR, WATER & HEALTH WITH ECONOMICS MINOR

## Economics Minor

### REQUIRED CLASSES

ENVST 2000 Field Experience: Environment and Sustainability  
 ENVST 2050 Introduction to Environmental Science (SF)  
 ENVST 2100 Introduction to Environmental and Sustainability Studies (BF)  
*These three courses are pre-requisites for the upper division ENVST courses*

ENVST/GEOG 3210 Global Climate Change (SF)  
 \*ENVST 3364 Challenges to Global Sustainability (IR)  
 \*ENVST 3365 Environmental Justice (DV)  
 POLS 5322 Environmental Policy

#### Statistics Courses (select one)

\*ATMOS 5040 Environmental Statistics (QI)  
 \*COMM 3710 Intro to Quantitative Comm. Research (QI)  
 CMP 4010 Field Studies in Urban Ecology (QI)  
 \*GEOG 3020 Geographic Analysis (QI, QB)  
 \*POLS 5001 Quantitative Analysis in Political Science (QI)  
 SOC 3112 Social Statistics (QI, QB)

#### Writing Courses (select one)

COMM 4650 Environmental Reporting (CW)  
 CMP 4260 Land, Law, & Culture (CW)  
 \*GEOG 3/5270 Global Patterns of Life (CW, SF)  
 \*HONOR 3200 Writing in a Research University (CW)  
 \*MGT 3810 Business & Professional Communication (CW)  
 WRTG 3014 Scientific Writing (CW)  
 WRTG 3420 Environmental Writing (CW, HF)  
 WRTG 4905 Studies in Professional Discourses (CW)

#### Methods Courses (select one)

ATMOS 5050 Environmental Instrumentation (2 cr)  
 BIOL 3480 Biography of an Urban Stream



#### Electives (select seven courses)

ATMOS 3000 Prof. Development in the Atmos. Sciences (1.5 cr)  
 \*ATMOS 3100 Atmospheric Chemistry & Air Pollution (IR)  
 \*ATMOS 5000 Intro to Atmospheric Science (QI)  
 ATMOS/GEOG 5260 Snow Dynamics & Avalanche Studies  
 \*BIOL 5345 Natural History of the Colorado Plateau  
 \*CHEM 1210/1215 General Chemistry & Lab I (SF)  
 CMP 3200 Ecology of Human Settlements  
 CMP 4380 Green Communities  
 CMP 4710 Intro to Transportation Planning  
 COMM 3115 Communicating Health, Science, Environment  
 COMM 5360 Environmental Communication  
 ECON 3/5190 Health Economics  
 ECON 3250 Intro to Environmental & Natural Resource Economics (BF)  
 \*ECON 5250 Environmental & Natural Resource Economics  
 ENGL 5080 Environmental Literature  
 ENVST 3280 Organic Gardening (AS)  
 \*ENVST 3390 Sustainable Streams and Riparian Zones  
 \*ENVST 3720 Environmental Health Disparities  
 FCS/PSY 3620 Environmental Psych. & Sustainability  
 FCS 5630 Healthy Communities  
 FCS 5730 Community and Environmental Change  
 GEO 2200 The Water Planet (SF)

All courses must be completed with a minimum letter grade of C-

As of November 2016

#### Principles/Core Courses: Must complete both courses

- ECON 2010—Principles of Microeconomics (BF)
- ECON 2020—Principles of Macroeconomics (BF)

#### History/Theory/Thought: Must complete one course

- ECON 4010—Intermediate Microeconomics (QI)
- ECON 4020—Intermediate Macroeconomics (QI)
- ECON 5050—John Maynard Keynes
- ECON 5060—History of Economic Doctrines
- ECON 5080—Marxian Economics (CW)
- ECON 5400—Middle East Economic History
- ECON 5410—Survey of European Economic History
- ECON 5420—China and the Global Economy
- ECON 5430—Asian Economic History & Development (IR)
- ECON 5460—Latin American Economic History & Development
- ECON 5470—Industrial & Economic Development: The American Case (CW)

#### Elective Courses: Must complete three courses\*

- ECON 3250 – Intro to Environmental & Resource ECON
- ECON 5250 – Environmental & Natural Resource ECON
- ECON 3/5190 – Health Economics

\* Electives must be 3000 level or higher Economics courses. ECON 3905, ECON 3640 and ECON 3620 may not be used to fulfill the elective requirement. Consult the Bachelor of Economics course requirements for the list of qualifying elective courses.

# ENVST AIR, WATER, AND HEALTH WITH EARTH SCIENCE MINOR

## Earth Science Minor

### EARTH SCIENCE MINOR

#### REQUIRED COURSES:

Course	Title	Credits	Prerequisites
GEO 1100	EVOLVING EARTH	3	N/A
GEO 2500	WASATCH IN THE FIELD	3	N/A
<b>TOTAL</b>		<b>6</b>	

#### ELECTIVES: COMPLETE 6 CREDIT HOURS

Course	Title	Credits	Prerequisites
GEO 1000	SCIENCE IN CINEMA	3	N/A
GEO 1040	THE WORLD OF DINOSAURS	3	N/A
GEO 1050	NATIONAL PARKS: GEOLOGY BEHIND THE SCENERY	3	N/A
GEO 1110	INTRO TO EARTH SYSTEMS	3	N/A
GEO 1115	INTRO TO EARTH SYSTEMS LAB	1	N/A
GEO 2100*	REACTIVE EARTH	3	GEO 1100, CHEM 1210

\*GEO 2100 is highly recommended as it is a prerequisite for many 3000+ level classes.

#### ADDITIONAL COURSES: COMPLETE 6 CREDIT HOURS

6 credit hours of any GEO course 3000-5000.

#### Statistics Courses (select one)

- \*ATMOS 5040 Environmental Statistics (QI)
- \*COMM 3710 Intro to Quantitative Comm. Research (QI)
- CMP 4010 Field Studies in Urban Ecology (QI)
- \*GEOG 3020 Geographic Analysis (QI, QB)
- \*POLS 5001 Quantitative Analysis in Political Science (QI)
- SOC 3112 Social Statistics (QI, QB)

#### Writing Courses (select one)

- COMM 4650 Environmental Reporting (CW)
- CMP 4260 Land, Law, & Culture (CW)
- \*GEOG 3/5270 Global Patterns of Life (CW, SF)
- \*HONOR 3200 Writing in a Research University (CW)
- \*MGT 3810 Business & Professional Communication (CW)
- WRWG 3014 Scientific Writing (CW)
- WRWG 3420 Environmental Writing (CW, HF)
- WRWG 4905 Studies in Professional Discourses (CW)

#### Methods Courses (select one)

- ATMOS 5050 Environmental Instrumentation (2 cr)
- BIOL 3480 Biography of an Urban Stream
- \*CMP 4450 GIS for Urban Ecologists (QI)
- \*GEOG 3100 Introduction to GIS & Cartography (QI) (5cr)
- POLS 3001 Political Analysis (QI, QB)
- SOC 3111 Research Methods (CW)

\*ATMOS 3100 Atmospheric Chemistry & Air Pollution (IR)

\*ATMOS 5000 Intro to Atmospheric Science (QI)

ATMOS/GEOG 5260 Snow Dynamics & Avalanche Studies

\*BIOL 5345 Natural History of the Colorado Plateau

\*CHEM 1210/1215 General Chemistry & Lab I (SF)

CMP 3200 Ecology of Human Settlements

CMP 4380 Green Communities

CMP 4710 Intro to Transportation Planning

COMM 3115 Communicating Health, Science, Environment

COMM 5360 Environmental Communication

ECON 3/5190 Health Economics

ECON 3250 Intro to Environmental & Natural Resource Econo

\*ECON 5250 Environmental & Natural Resource Economics

ENGL 5080 Environmental Literature

ENVST 3280 Organic Gardening (AS)

\*ENVST 3390 Sustainable Streams and Riparian Zones

\*ENVST 3720 Environmental Health Disparities

FCS/PSY 3620 Environmental Psych. & Sustainability

FCS 5630 Healthy Communities

FCS 5730 Community and Environmental Change

**GEO 3300 The Water Planet (SF)**

**\*GEO 3800 The Oceans (SF)**

**\*GEO 5350 Groundwater**

**\*GEO 5470 Stable Isotope Biochemistry and Ecology**

\*GEOG 3200 Geomorphology: Mountains, Rivers, Deserts (SF)

\*GEOG 3/5292 Snow & Ice



# ENVST AIR, WATER, AND HEALTH WITH GEOGRAPHY MINOR

## Geography Minor

### REQUIRED CLASSES

ENVST 2000 Field Experience: Environment and Sustainability  
 ENVST 2050 Introduction to Environmental Science (SF)  
 ENVST 2100 Introduction to Environmental and Sustainability Studies (BF)  
*These three courses are pre-requisites for the upper division ENVST courses*

#### ENVST/GEOG 3210 Global Climate Change (SF)

\*ENVST 3364 Challenges to Global Sustainability (IR)  
 \*ENVST 3365 Environmental Justice (DV)  
 POLS 5322 Environmental Policy

#### Statistics Courses (select one)

\*ATMOS 5040 Environmental Statistics (QI)  
 \*COMM 3710 Intro to Quantitative Comm. Research (QI)  
 CMP 4010 Field Studies in Urban Ecology (QI)  
 \*GEOG 3020 Geographic Analysis (QI, QB)  
 \*POLS 5001 Quantitative Analysis in Political Science (QI)  
 SOC 3112 Social Statistics (QI, QB)

#### Writing Courses (select one)

COMM 4650 Environmental Reporting (CW)  
 CMP 4260 Land, Law, & Culture (CW)  
 \*GEOG 3/5270 Global Patterns of Life (CW, SF)  
 \*HONOR 3200 Writing in a Research University (CW)  
 \*MGT 3810 Business & Professional Communication (CW)  
 WRTG 3014 Scientific Writing (CW)  
 WRTG 3420 Environmental Writing (CW, HF)  
 WRTG 4905 Studies in Professional Discourses (CW)

#### Methods Courses (select one)

ATMOS 5050 Environmental Instrumentation (2 cr)  
 BIOL 3480 Biography of an Urban Stream  
 \*CMP 4450 GIS for Urban Ecologists (QI)  
 \*GEOG 3100 Introduction to GIS & Cartography (QI) (Scr)  
 POLS 3001 Political Analysis (QI, QB)  
 SOC 3111 Research Methods (CW)

#### To Be Completed in Your Last Year

\*ENVST 4800 Environmental & Sustainability Studies Internship  
 \*ENVST 5559 Capstone: Air, Water & Health



#### Electives (select seven courses)

ATMOS 3000 Prof. Development in the Atmos. Sciences (1.5 cr)  
 \*ATMOS 3100 Atmospheric Chemistry & Air Pollution (IR)  
 \*ATMOS 5000 Intro to Atmospheric Science (QI)  
 ATMOS/GEOG 5260 Snow Dynamics & Avalanche Studies  
 \*BIOL 5345 Natural History of the Colorado Plateau  
 \*CHEM 1210/1215 General Chemistry & Lab I (SF)  
 CMP 3200 Ecology of Human Settlements  
 CMP 4380 Green Communities  
 CMP 4710 Intro to Transportation Planning  
 COMM 3115 Communicating Health, Science, Environment  
 COMM 5360 Environmental Communication  
 ECON 3/5190 Health Economics  
 ECON 3250 Intro to Environmental & Natural Resource Economics  
 \*ECON 5250 Environmental & Natural Resource Economics  
 ENGL 5080 Environmental Literature  
 ENVST 3280 Organic Gardening (AS)  
 \*ENVST 3390 Sustainable Streams and Riparian Zones  
 \*ENVST 3720 Environmental Health Disparities  
 FCS/PSY 3620 Environmental Psych. & Sustainability  
 FCS 5630 Healthy Communities  
 FCS 5730 Community and Environmental Change  
 GEO 3300 The Water Planet (SF)  
 \*GEO 3800 The Oceans (SF)  
 \*GEO 5350 Groundwater  
 \*GEO 5470 Stable Isotope Biochemistry and Ecology  
 \*GEOG 3200 Geomorphology: Mountains, Rivers, Deserts (SF)  
 GEOG 3/5292 Snow & Ice  
 GEOG 3330 Urban Environmental Geography (SF)  
 GEOG 5385 Environmental Assessment & Impact Analysis  
 GEOG 5435 The Oceans and Us  
 H EDU 3700 Environmental Health

Course Number and Title	Credit Hrs
<b>Required Courses</b>	
GEOG 1000 – Earth Environments and Global Change	3
GEOG 1400 – Human Geography	3
GEOG 3100 – Introduction to GIS & Cartography (Fall /+online Spring & Summer)	5
<b>Elective Courses—upper division courses (≥ 3000)</b>	
GEOG 3### – Choose from: GEOG 3200, 3292, 5435,	
GEOG 3### – 3390, 3/5270, and/or 3020	
GEOG 3###	
<b>TOTAL COURSES (min. 6)</b>	
<b>TOTAL RESIDENCY HRS. (12 cr. hrs. at U of U Geog. Dept.)</b>	

All courses for the minor must be taken for a letter grade and completed with a C- or better

# ENVST AIR, WATER, AND HEALTH WITH URBAN ECOLOGY MINOR

## REQUIRED CLASSES

ENVST 2000 Field Experience: Environment and Sustainability  
 ENVST 2050 Introduction to Environmental Science (SF)  
 ENVST 2100 Introduction to Environmental and Sustainability Studies (BF)  
*These three courses are pre-requisites for the upper division ENVST courses*

ENVST/GEOG 3210 Global Climate Change (SF)  
 \*ENVST 3364 Challenges to Global Sustainability (IR)  
 \*ENVST 3365 Environmental Justice (DV)  
 POLS 5322 Environmental Policy

### Statistics Courses (select one)

\*ATMOS 5040 Environmental Statistics (QI)  
 \*COMM 3710 Intro to Quantitative Comm. Research (QI)  
**CMP 4010 Field Studies in Urban Ecology (QI)**  
 \*GEOG 3020 Geographic Analysis (QI, QB)  
 \*POLS 5001 Quantitative Analysis in Political Science (QI)  
 SOC 3112 Social Statistics (QI, QB)

### Writing Courses (select one)

COMM 4650 Environmental Reporting (CW)  
**CMP 4260 Land, Law, & Culture (CW)**  
 \*GEOG 3/5270 Global Patterns of Life (CW, SF)  
 \*HONOR 3200 Writing in a Research University (CW)  
 \*MGT 3810 Business & Professional Communication (CW)  
 WRTG 3014 Scientific Writing (CW)  
 WRTG 3420 Environmental Writing (CW, HF)  
 WRTG 4905 Studies in Professional Discourses (CW)

### Methods Courses (select one)

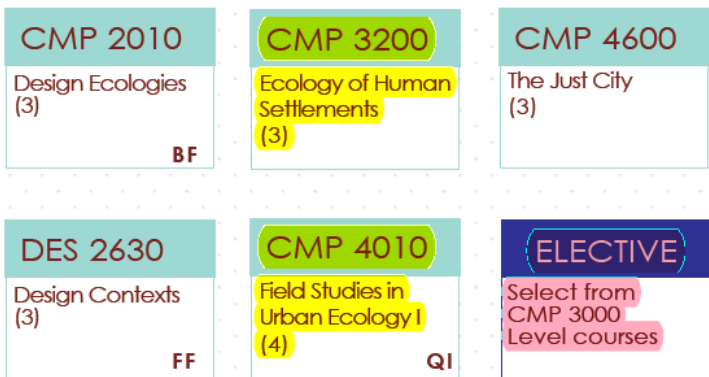
ATMOS 5050 Environmental Instrumentation (2 cr)  
 BIOL 3480 Biography of an Urban Stream  
**\*CMP 4450 GIS for Urban Ecologists (QI)**  
 \*GEOG 3100 Introduction to GIS & Cartography (QI) (5cr)  
 POLS 3001 Political Analysis (QI, QB)  
 SOC 3111 Research Methods (CW)



### Electives (select seven courses)

ATMOS 3000 Prof. Development in the Atmos. Sciences (1.5 cr)  
 \*ATMOS 3100 Atmospheric Chemistry & Air Pollution (IR)  
 \*ATMOS 5000 Intro to Atmospheric Science (QI)  
 ATMOS/GEOG 5260 Snow Dynamics & Avalanche Studies  
 \*BIOL 5345 Natural History of the Colorado Plateau  
 \*CHEM 1210/1215 General Chemistry & Lab I (SF)  
**CMP 3200 Ecology of Human Settlements**  
**CMP 4380 Green Communities**  
**CMP 4710 Intro to Transportation Planning**  
 COMM 3115 Communicating Health, Science, Environment  
 COMM 5360 Environmental Communication  
 ECON 3/5190 Health Economics  
 ECON 3250 Intro to Environmental & Natural Resource Economic  
 \*ECON 5250 Environmental & Natural Resource Economics  
 ENGL 5080 Environmental Literature  
 ENVST 3280 Organic Gardening (AS)  
 \*ENVST 3390 Sustainable Streams and Riparian Zones  
 \*ENVST 3720 Environmental Health Disparities  
 FCS/PSY 3620 Environmental Psych. & Sustainability  
 FCS 5630 Healthy Communities  
 FCS 5730 Community and Environmental Change  
 GEO 3300 The Water Planet (SF)  
 \*GEO 3800 The Oceans (SF)  
 \*GEO 5350 Groundwater  
 \*GEO 5470 Stable Isotope Biochemistry and Ecology  
 \*GEOG 3200 Geomorphology: Mountains, Rivers, Deserts (SF)

## Urban Ecology Minor



# ENVST AIR, WATER, AND HEALTH WITH SOCIOLOGY MINOR

## Sociology Minor

### Statistics Courses (select one)

- \*ATMOS 5040 Environmental Statistics (QI)
- \*COMM 3710 Intro to Quantitative Comm. Research (QI)
- CMP 4010 Field Studies in Urban Ecology (QI)
- \*GEOG 3020 Geographic Analysis (QI, QB)
- \*POLS 5001 Quantitative Analysis in Political Science (QI)
- SOC 3112 Social Statistics (QI, QB)**

### Writing Courses (select one)

- COMM 4650 Environmental Reporting (CW)
- CMP 4260 Land, Law, & Culture (CW)
- \*GEOG 3/5270 Global Patterns of Life (CW, SF)
- \*HONOR 3200 Writing in a Research University (CW)
- \*MGT 3810 Business & Professional Communication (CW)
- WRWG 3014 Scientific Writing (CW)
- WRWG 3420 Environmental Writing (CW, HF)
- WRWG 4905 Studies in Professional Discourses (CW)

### Methods Courses (select one)

- ATMOS 5050 Environmental Instrumentation (2 cr)
- BIOL 3480 Biography of an Urban Stream
- \*CMP 4450 GIS for Urban Ecologists (QI)
- \*GEOG 3100 Introduction to GIS & Cartography (QI) (5cr)
- POLS 3001 Political Analysis (QI, QB)
- SOC 3111 Research Methods (CW)**

### To Be Completed in Your Last Year

- \*ENVST 4800 Environmental & Sustainability Studies Internship
- \*ENVST 5559 Capstone: Air, Water & Health

## CAREER OUTLOOK

Educator: Environmental, Secondary & Post-Secondary  
City, State or Federal Regulator  
Lawyer/Public Policy Specialist  
University Extension Specialist  
Restoration Practitioner  
Agency or Academic Scientist  
Urban Planner  
Environmental Journalist

- \*ATMOS 3100 Atmospheric Chemistry & Air Pollution (IR)
- \*ATMOS 5000 Intro to Atmospheric Science (QI)
- ATMOS/GEOG 5260 Snow Dynamics & Avalanche Studies
- \*BIOL 5345 Natural History of the Colorado Plateau
- \*CHEM 1210/1215 General Chemistry & Lab I (SF)
- CMP 3200 Ecology of Human Settlements
- CMP 4380 Green Communities
- CMP 4710 Intro to Transportation Planning
- COMM 3115 Communicating Health, Science, Environment
- COMM 5360 Environmental Communication
- ECON 3/5190 Health Economics
- ECON 3250 Intro to Environmental & Natural Resource Economics
- \*ECON 5250 Environmental & Natural Resource Economics
- ENGL 5080 Environmental Literature
- ENVST 3280 Organic Gardening (AS)
- \*ENVST 3390 Sustainable Streams and Riparian Zones
- \*ENVST 3720 Environmental Health Disparities
- FCS/PSY 3620 Environmental Psych. & Sustainability
- FCS 5630 Healthy Communities
- FCS 5730 Community and Environmental Change
- GEO 3300 The Water Planet (SF)
- \*GEO 3800 The Oceans (SF)
- \*GEO 5350 Groundwater
- \*GEO 5470 Stable Isotope Biochemistry and Ecology
- \*GEOG 3200 Geomorphology: Mountains, Rivers, Deserts (SF)
- GEOG 3/5292 Snow & Ice
- GEOG 3330 Urban Environmental Geography (SF)
- GEOG 5385 Environmental Assessment & Impact Analysis
- GEOG 5435 The Oceans and Us
- H EDU 3700 Environmental Health
- HIST 4380 US Environmental History (HF)
- HIST 4860 Environmental History of China
- \*HONOR 3215 Global Environmental Change
- \*MATH 1210 Calculus I (QR)
- PHIL 3310 Science & Society (HF)
- PHIL 3530 Environmental Ethics (HF)
- PHIL 5530 Environmental Philosophy (HF)
- PHIL 5540 Hydrotopia: Water Mgt in the West
- \*PHYS 2010/2015 General Physics & Lab I (SF)
- \*PHYS 2210/2215 Physics for Scientists & Engineers & Lab I (SF)
- POLS 5321 Health Policy
- POLS 5510 Water Policy
- POLS 5540 Nonprofit Advocacy
- SOC 3480 Environmental Sociology (IR)**

### SOCIOLOGY CORE

7 CREDITS

SOC 1010 INTRO TO SOCIOLOGY (4)

SOC 3140 SOCIAL THEORY (3)

-OR-

SOC 3111 RESEARCH METHODS (3)

### SOCIOLOGY ELECTIVE COURSES

12 CREDITS

(3000+) **SOC 3480 – Environmental Sociology**

(3000+) **SOC 3112 – Social Statistics (QI, QB)**

**ELECTIVE HOURS:** SOCIOLOGY MINORS ARE REQUIRED TO COMPLETE A MINIMUM OF 12 CREDIT HOURS IN ELECTIVE SOCIOLOGY CLASSES, OF WHICH AT LEAST 6 CREDIT HOURS MUST BE UPPER DIVISION. (3000 LEVEL OR ABOVE) ELECTIVE HOURS CAN INCLUDE INTERNSHIP COURSES (SOC 3393, SOC 3593), SENIOR THESIS COURSES (SOC 3877, SOC4877) BUT **NOT** INDEPENDENT STUDY COURSES.

# ENVST AIR, WATER AND HEALTH WITH PHILOSOPHY MINOR

## Philosophy Minor

### Statistics Courses (select one)

- \*ATMOS 5040 Environmental Statistics (QI)
- \*COMM 3710 Intro to Quantitative Comm. Research (QI)
- CMP 4010 Field Studies in Urban Ecology (QI)
- \*GEOG 3020 Geographic Analysis (QI, QB)
- \*POLS 5001 Quantitative Analysis in Political Science (QI)
- SOC 3112 Social Statistics (QI, QB)

### Writing Courses (select one)

- COMM 4650 Environmental Reporting (CW)
- CMP 4260 Land, Law, & Culture (CW)
- \*GEOG 3/5270 Global Patterns of Life (CW, SF)
- \*HONOR 3200 Writing in a Research University (CW)
- \*MGT 3810 Business & Professional Communication (CW)
- WRTG 3014 Scientific Writing (CW)
- WRTG 3420 Environmental Writing (CW, HF)
- WRTG 4905 Studies in Professional Discourses (CW)

### Methods Courses (select one)

- ATMOS 5050 Environmental Instrumentation (2 cr)
- BIOL 3480 Biography of an Urban Stream
- \*CMP 4450 GIS for Urban Ecologists (QI)
- \*GEOG 3100 Introduction to GIS & Cartography (QI) (5cr)
- POLS 3001 Political Analysis (QI, QB)
- SOC 3111 Research Methods (CW)

### To Be Completed in Your Last Year

- \*ENVST 4800 Environmental & Sustainability Studies Internship
- \*ENVST 5559 Capstone: Air, Water & Health

## CAREER OUTLOOK

Educator: Environmental, Secondary & Post-Secondary  
City, State or Federal Regulator  
Lawyer/Public Policy Specialist  
University Extension Specialist  
Restoration Practitioner  
Agency or Academic Scientist

- \*ATMOS 3100 Atmospheric Chemistry & Air Pollution (IR)
- \*ATMOS 5000 Intro to Atmospheric Science (QI)
- ATMOS/GEOG 5260 Snow Dynamics & Avalanche Studies
- \*BIOL 5345 Natural History of the Colorado Plateau
- \*CHEM 1210/1215 General Chemistry & Lab I (SF)
- CMP 3200 Ecology of Human Settlements
- CMP 4380 Green Communities
- CMP 4710 Intro to Transportation Planning
- COMM 3115 Communicating Health, Science, Environment
- COMM 5360 Environmental Communication
- ECON 3/5190 Health Economics
- ECON 3250 Intro to Environmental & Natural Resource Economic
- \*ECON 5250 Environmental & Natural Resource Economics
- ENGL 5080 Environmental Literature
- ENVST 3280 Organic Gardening (AS)
- \*ENVST 3390 Sustainable Streams and Riparian Zones
- \*ENVST 3720 Environmental Health Disparities
- FCS/PSY 3620 Environmental Psych. & Sustainability
- FCS 5630 Healthy Communities
- FCS 5730 Community and Environmental Change
- GEO 3300 The Water Planet (SF)
- \*GEO 3800 The Oceans (SF)
- \*GEO 5350 Groundwater
- \*GEO 5470 Stable Isotope Biochemistry and Ecology
- \*GEOG 3200 Geomorphology: Mountains, Rivers, Deserts (SF)
- GEOG 3/5292 Snow & Ice
- GEOG 3330 Urban Environmental Geography (SF)
- GEOG 5385 Environmental Assessment & Impact Analysis
- GEOG 5435 The Oceans and Us
- H EDU 3700 Environmental Health
- HIST 4380 US Environmental History (HF)
- HIST 4860 Environmental History of China
- \*HONOR 3215 Global Environmental Change
- \*MATH 1210 Calculus I (QR)
- PHIL 3310 Science & Society (HF)
- PHIL 3530 Environmental Ethics (HF)
- PHIL 5530 Environmental Philosophy (HF)
- PHIL 5540 Hydrotopia: Water Mgt in the West
- \*PHYS 2010/2015 General Physics & Lab I (SF)
- \*PHYS 2210/2215 Physics for Scientists & Engineers & Lab I (SF)
- POLS 5321 Health Policy

Areas	Minimum	Qualified Courses
I Ethics and Value Theory	One course	3011*, 3500, 3510, 3520, <b>3530</b> , 3700, 3710 3720, 3730, 3740, 3750, 3800, 3820, 4540, 5130, 5191*, 5500, 5510, 5520, <b>5530</b> , <b>5540</b> , 5700, 5710, 5800
II Metaphysics and Epistemology	One course	3012*, 3300, <b>3310</b> , 3350, 3370, 3375, 3400, 3440, 3600, 4380, 4400, 4450, 4480, 5192*, 5300, 5350+, 5370+, 5375+, 5400*, 5450, 5480*
III History of Philosophy	One course	3013*, 3810, 4110, 4120, 4130, 4140, 5040, 5060, 5110, 5120*, 5150*, 5193*, 5360
IV Logic and Formal Methods	One course	1250, 3200, 3210, 5200, 5210, 5220

### Advanced Course Requirement

At least one course of the total 18 units must come from the 5000-level (or higher). These advanced courses do at the same time satisfy an Area Requirement, as indicated in the above table. (Note: the Advanced Course Requirement may not be satisfied by "independent study" coursework.)

### Elective Requirement

Additional courses may be needed to bring your total to 18 units. Every course the philosophy department offers counts towards the Elective Requirement. Note that two kinds of courses count only towards this requirement, not meeting any other requirement. First, all lower division courses count as electives (i.e., 1000 level and 2000 level courses). Second, the four specifically religion-oriented courses we offer: Phil 3610 (Religions of India), Phil 3620 (Religions of China and Japan), Phil 3630 (Buddhist Thought), and Phil 3640 (World Religions). Since these courses are not primarily philosophical in content, they do not count towards any of our specific philosophy requirements, but they do count for the Elective Requirement. The historical explanation of why the philosophy department offers these courses is that U of Utah does not have a Religion Department, the natural home for such courses. Note that Phil 3600 (Philosophy of Religion) is a philosophy course, and it meets the Area II requirement.

# ENVST AIR, WATER & HEALTH WITH CONSUMER & COMMUNITY STUDIES MINOR

## Consumer and Community Studies (CCS) Minor

### REQUIRED CLASSES

ENVST 2000 Field Experience: Environment and Sustainability  
ENVST 2050 Introduction to Environmental Science (SF)  
ENVST 2100 Introduction to Environmental and Sustainability Studies (BF)  
*These three courses are pre-requisites for the upper division ENVST courses*

ENVST/GEOG 3210 Global Climate Change (SF)  
\*ENVST 3364 Challenges to Global Sustainability (IR)  
\*ENVST 3365 Environmental Justice (DV)  
POLS 5322 Environmental Policy

#### Statistics Courses (select one)

\*ATMOS 5040 Environmental Statistics (QI)  
\*COMM 3710 Intro to Quantitative Comm. Research (QI)  
CMP 4010 Field Studies in Urban Ecology (QI)  
\*GEOG 3020 Geographic Analysis (QI, QB)  
\*POLS 5001 Quantitative Analysis in Political Science (QI)  
SOC 3112 Social Statistics (QI, QB)

#### Writing Courses (select one)

COMM 4650 Environmental Reporting (CW)  
CMP 4260 Land, Law, & Culture (CW)  
\*GEOG 3/5270 Global Patterns of Life (CW, SF)  
\*HONOR 3200 Writing in a Research University (CW)  
\*MGT 3810 Business & Professional Communication (CW)  
WRTG 3014 Scientific Writing (CW)  
WRTG 3420 Environmental Writing (CW, HF)  
WRTG 4905 Studies in Professional Discourses (CW)

#### Methods Courses (select one)

ATMOS 5050 Environmental Instrumentation (2 cr)  
BIOL 3480 Biography of an Urban Stream  
\*CMP 4450 GIS for Urban Ecologists (QI)



#### Electives (select seven courses)

ATMOS 3000 Prof. Development in the Atmos. Sciences (1.5 cr)  
\*ATMOS 3100 Atmospheric Chemistry & Air Pollution (IR)  
\*ATMOS 5000 Intro to Atmospheric Science (QI)  
ATMOS/GEOG 5260 Snow Dynamics & Avalanche Studies  
\*BIOL 5345 Natural History of the Colorado Plateau  
\*CHEM 1210/1215 General Chemistry & Lab I (SF)  
CMP 3200 Ecology of Human Settlements  
CMP 4380 Green Communities  
CMP 4710 Intro to Transportation Planning  
COMM 3115 Communicating Health, Science, Environment  
COMM 5360 Environmental Communication  
ECON 3/5190 Health Economics  
ECON 3250 Intro to Environmental & Natural Resource Economics (BF)  
\*ECON 5250 Environmental & Natural Resource Economics  
ENGL 5080 Environmental Literature  
ENVST 3280 Organic Gardening (AS)  
\*ENVST 3390 Sustainable Streams and Riparian Zones  
\*ENVST 3720 Environmental Health Disparities  
FCS/PSY 3620 Environmental Psych. & Sustainability  
FCS 5630 Healthy Communities  
FCS 5730 Community and Environmental Change  
GEO 3300 The Water Planet (SF)

Minimum CCS Minor Hours: 15 (at least 6 semester hours for the CCS major must be completed at the University of Utah). All CCS minor courses must be completed with a letter grade of C- or better.

#### 1. CCS CORE (6 Credit Hours)

FCS 3450 Family Economic Issues (QI/BF) –or FCS 3500 Financial Skills for Life 3  
FCS 3600 Consumer and Community Policy 3

#### 2. CCS ELECTIVES (9 Credit Hours, at least 3 credits at 5000 level)

FCS 3180 Family, School, & Community Connections  
FCS 3420 Housing Policy and Issues  
FCS 3430 Family Advocacy and Policy  
FCS 3450 Family Economic Issues  
FCS 3470 International Consumer Policy  
FCS 3500 Financial Skills for Life  
FCS 3620 Environmental Psychology & Sustainability  
FCS 5200 Family and Social Policy  
FCS 5430 Families, Consumers, & Health  
FCS 5450 Nonprofit community Organizations  
FCS 5510 Building Family Wealth  
FCS 5520 Retirement and Benefits Planning for Families  
FCS 5530 Income Tax Planning for Families  
FCS 5540 Protecting Family Wealth  
FCS 5550 Family Financial Planning Capstone  
FCS 5590 Intensive Spanish Culture and Community  
FCS 5630 Healthy Communities  
FCS 5700 Analyzing Community Growth: An Evidence-based Approach  
FCS 5730 Community & Environmental Change  
FCS 5950 Undergraduate Research  
FCS 5962/5964 Special Topics in CCS  
HNKLY 4900/4901/4902/4903 Internships  
OR HNKLY 4910 Washington DC Encounter

# ENVST AIR, WATER & HEALTH WITH LEADERSHIP STUDIES MINOR

## Leadership Studies Minor

### Statistics Courses (select one)

- \*ATMOS 5040 Environmental Statistics (QI)
- \*COMM 3710 Intro to Quantitative Comm. Research (QI)
- CMP 4010 Field Studies in Urban Ecology (QI)
- \*GEOG 3020 Geographic Analysis (QI, QB)
- \*POLS 5001 Quantitative Analysis in Political Science (QI)
- SOCS 3112 Social Statistics (QI, QB)

### Writing Courses (select one)

- COMM 4650 Environmental Reporting (CW)
- CMP 4260 Land, Law, & Culture (CW)
- \*GEOG 3/5270 Global Patterns of Life (CW, SF)
- \*HONOR 3200 Writing in a Research University (CW)
- \*MGT 3810 Business & Professional Communication (CW)**
- WRTG 3014 Scientific Writing (CW)
- WRTG 3420 Environmental Writing (CW, HF)
- WRTG 4905 Studies in Professional Discourses (CW)

### Methods Courses (select one)

- ATMOS 5050 Environmental Instrumentation (2 cr)
- BIOL 3480 Biography of an Urban Stream
- \*CMP 4450 GIS for Urban Ecologists (QI)
- \*GEOG 3100 Introduction to GIS & Cartography (QI) (5cr)
- POLS 3001 Political Analysis (QI, QB)
- SOCS 3111 Research Methods (CW)

### To Be Completed in Your Last Year

- \*ENVST 4800 Environmental & Sustainability Studies Internship
- \*ENVST 5559 Capstone: Air, Water & Health

## CAREER OUTLOOK

Educator: Environmental, Secondary & Post-Secondary  
City, State or Federal Regulator

- \*ATMOS 3100 Atmospheric Chemistry & Air Pollution (IR)
- \*ATMOS 5000 Intro to Atmospheric Science (QI)
- ATMOS/GEOG 5260 Snow Dynamics & Avalanche Studies
- \*BIOL 5345 Natural History of the Colorado Plateau
- \*CHEM 1210/1215 General Chemistry & Lab I (SF)
- CMP 3200 Ecology of Human Settlements
- CMP 4380 Green Communities
- CMP 4710 Intro to Transportation Planning
- COMM 3115 Communicating Health, Science, Environment
- COMM 5360 Environmental Communication
- ECON 3/5190 Health Economics
- ECON 3250 Intro to Environmental & Natural Resource Economic
- \*ECON 5250 Environmental & Natural Resource Economics
- ENGL 5080 Environmental Literature
- ENVST 3280 Organic Gardening (AS)
- \*ENVST 3390 Sustainable Streams and Riparian Zones
- \*ENVST 3720 Environmental Health Disparities
- FCS/PSY 3620 Environmental Psych. & Sustainability
- FCS 5630 Healthy Communities
- FCS 5730 Community and Environmental Change
- GEO 3300 The Water Planet (SF)
- \*GEO 3800 The Oceans (SF)
- \*GEO 5350 Groundwater
- \*GEO 5470 Stable Isotope Biochemistry and Ecology
- \*GEOG 3200 Geomorphology: Mountains, Rivers, Deserts (SF)
- GEOG 3/5292 Snow & Ice
- GEOG 3330 Urban Environmental Geography (SF)
- GEOG 5385 Environmental Assessment & Impact Analysis
- GEOG 5435 The Oceans and Us
- H EDU 3700 Environmental Health
- HIST 4380 US Environmental History (HF)
- HIST 4860 Environmental History of China
- \*HONOR 3215 Global Environmental Change
- \*MATH 1210 Calculus I (QR)
- PHIL 3310 Science & Society (HF)
- PHIL 3530 Environmental Ethics (HF)**

### Required Courses:

- LDRSP 2020 – Foundations in Leadership (3)
- LDRSP 4100 – Leadership Minor Practicum (4)
- LDRSP 4750 – Leadership Capstone (3)

### Category I – must choose 1 course:

- **PHIL 3530 – Environmental Ethics (3)**

### Category II – must choose 1 course:

- See Leadership website for complete options list

### Category III – must choose 1 course:

- **MGT 3810 – Business and Professional Communication (CW) (3)**

\*See website or advisor for full list at: [leadershipstudies.utah.edu](http://leadershipstudies.utah.edu)

# ENVST AIR, WATER AND HEALTH WITH APPLIED ETHICS MINOR Applied Ethics Minor

ENVST/GEOG 3210 Global Climate Change (SF)  
\*ENVST 3364 Challenges to Global Sustainability (IR)  
\*ENVST 3365 Environmental Justice (DV)

## **POLS 5322 Environmental Policy**

### Statistics Courses (select one)

\*ATMOS 5040 Environmental Statistics (QI)  
\*COMM 3710 Intro to Quantitative Comm. Research (QI)  
CMP 4010 Field Studies in Urban Ecology (QI)  
\*GEOG 3020 Geographic Analysis (QI, QB)  
\*POLS 5001 Quantitative Analysis in Political Science (QI)  
SOC 3112 Social Statistics (QI, QB)

### Writing Courses (select one)

COMM 4650 Environmental Reporting (CW)  
CMP 4260 Land, Law, & Culture (CW)  
\*GEOG 3/5270 Global Patterns of Life (CW, SF)  
\*HONOR 3200 Writing in a Research University (CW)  
\*MGT 3810 Business & Professional Communication (CW)  
WRTG 3014 Scientific Writing (CW)  
WRTG 3420 Environmental Writing (CW, HF)  
WRTG 4905 Studies in Professional Discourses (CW)

### Methods Courses (select one)

ATMOS 5050 Environmental Instrumentation (2 cr)  
BIOL 3480 Biography of an Urban Stream  
\*CMP 4450 GIS for Urban Ecologists (QI)  
\*GEOG 3100 Introduction to GIS & Cartography (QI) (Scr)  
POLS 3001 Political Analysis (QI, QB)  
SOC 3111 Research Methods (CW)

### To Be Completed in Your Last Year

\*ENVST 4800 Environmental & Sustainability Studies Internship  
\*ENVST 5559 Capstone: Air, Water & Health



### Electives (select seven courses)

ATMOS 3000 Prof. Development in the Atmos. Sciences (1.5 cr)  
\*ATMOS 3100 Atmospheric Chemistry & Air Pollution (IR)  
\*ATMOS 5000 Intro to Atmospheric Science (QI)  
ATMOS/GEOG 5260 Snow Dynamics & Avalanche Studies  
\*BIOL 5345 Natural History of the Colorado Plateau  
\*CHEM 1210/1215 General Chemistry & Lab I (SF)  
CMP 3200 Ecology of Human Settlements  
CMP 4380 Green Communities  
CMP 4710 Intro to Transportation Planning  
COMM 3115 Communicating Health, Science, Environment  
COMM 5360 Environmental Communication  
ECON 3/5190 Health Economics  
ECON 3250 Intro to Environmental & Natural Resource Economics  
\*ECON 5250 Environmental & Natural Resource Economics  
ENGL 5080 Environmental Literature  
ENVST 3280 Organic Gardening (AS)  
\*ENVST 3390 Sustainable Streams and Riparian Zones  
\*ENVST 3720 Environmental Health Disparities  
FCS/PSY 3620 Environmental Psych. & Sustainability  
FCS 5630 Healthy Communities  
FCS 5730 Community and Environmental Change  
GEO 3300 The Water Planet (SF)  
\*GEO 3800 The Oceans (SF)  
\*GEO 5350 Groundwater  
\*GEO 5470 Stable Isotope Biochemistry and Ecology  
\*GEOG 3200 Geomorphology: Mountains, Rivers, Deserts (SF)  
GEOG 3/5292 Snow & Ice  
GEOG 3330 Urban Environmental Geography (SF)  
GEOG 5385 Environmental Assessment & Impact Analysis  
GEOG 5435 The Oceans and Us  
H EDU 3700 Environmental Health  
HIST 4380 US Environmental History (HF)  
HIST 4860 Environmental History of China  
\*HONOR 3215 Global Environmental Change  
\*MATH 1210 Calculus I (QR)  
PHIL 3310 Science & Society (HF)  
**PHIL 3530 Environmental Ethics (HF)**

## ▼ Area I: Theories of Ethics and Moral Dimensions of Political/Public Life

Select **at least two** courses from the following:

- PHIL 3500 Ethics (HF)
- PHIL 3700 Political Philosophy (HF)
- PHIL 5500 Contemporary Ethical Theory
- POLS 3010 Democratic Theory
- POLS 5010 Foundations of Political Thought: Late Modern
- POLS 5025 American Political Thought
- POLS 5035 Contemporary Political Thought
- POLS 5140 Feminist Political Theory

## ▼ Area II: Theories Applied and Growing Out of Specific Issues Areas

Select **at least two** courses from one of the following groups. Note that both of these courses must be taken from the same group.

### Group C: Engineering & Environmental Ethics

- PHIL 3510 Business and Professional Ethics (HF)
- **PHIL 3530 Environmental Ethics (HF)**
- PHIL 3730 Justice & International Affairs (IR)
- PHIL 4540 Engineering, Ethics, & Society (HF)
- **POLS 5322 Environmental Policy**

## ▼ Area III: Specific Coursework in Applied Areas

The student must take at least two courses, to be approved by Leslie Francis, from any fields where applied ethics are treated. To fulfill this requirement, students are encouraged to take courses in their major which also have an emphasis on ethics.

## ▼ Area IV: Elective

Students must take one additional course, to be selected from either Area I or Area II (please see above). This will permit students either 1) to deepen their understanding of (meta)-theory; or 2) to select an applied theory course from an area other than that chosen already for emphasis, thus allowing for comparative theoretical analysis and application.

## CAREER OUTLOOK

Educator: Environmental, Secondary & Post-Secondary  
City, State or Federal Employee

# ENVST CLIMATE & ENERGY WITH GEOGRAPHY CLIMATE CHANGE CERTIFICATE

## Geography Climate Change Certificate

### REQUIRED CLASSES

ENVST 2000 Field Experience: Environment and Sustainability  
 ENVST 2050 Introduction to Environmental Science (SF)  
 ENVST 2100 Introduction to Environmental & Sustainability Studies (BF)

*These three courses are pre-requisites for the upper division ENVST courses*

**ENVST/GEOG 3210 Global Climate Change (SF)**  
 \*ENVST 3364 Challenges to Global Sustainability (IR)  
 \*ENVST 3365 Environmental Justice (DV)  
 POLS 5322 Environmental Policy

#### Statistics Courses (select one)

\*ATMOS 5040 Environmental Statistics (QI)  
 \*COMM 3710 Intro to Quantitative Comm. Research (QI)  
 CMP 4010 Field Studies in Urban Ecology (QI)  
 \*ECON 3640 Probability & Statistics for Economists (QI, QB)  
 \*GEOG 3020 Geographic Analysis (QI, QB)  
 \*MATH 3070 Applied Statistics (QI, QB)  
 \*POLS 5001 Quantitative Analysis in Political Science (QI)  
 SOC 3112 Social Statistics (QI, QB)

#### Writing Courses (select one)

COMM 4650 Environmental Reporting (CW)  
 CMP 4260 Land, Law, & Culture (CW)  
 \*GEOG 3/5270 Global Patterns of Life (CW, SF)  
 \*HONOR 3200 Writing in a Research University (CW)  
 \*MGT 3810 Business & Professional Communication (CW)  
 WRTG 3014 Scientific Writing (CW)  
 WRTG 3420 Environmental Writing (CW, HF)

#### Methods Courses (select one)

ATMOS 5050 Environmental Instrumentation (2 cr)  
 \*CMP 4450 GIS for Urban Ecologists (QI)  
 \*ECON 4650 Econometrics (QI)  
 \*GEOG 3100 Introduction to GIS & Cartography (QI) (5cr)  
 POLS 3001 Political Analysis (QI, QB)  
 SOC 3111 Research Methods (CW)



#### Electives (select seven courses)

ANTH 4186 Human Ecology (BF, SF)  
 ATMOS 3200/GEOG 3280 Mountain Weather & Climate  
 \*ATMOS 5000 Introduction to Atmospheric Science (QI)  
 \*ATMOS 5140 Physical Meteorology II: Atmos. Radiation (1.5 cr)  
 \*ATMOS 5270 Wind Power Meteorology (1.5 cr)  
 \*ATMOS 5400 The Climate System  
 BIOL 5440 Urban Ecology  
 \*CHEM 1210/1215 General Chemistry & Lab I (SF)  
 CHEM 5640 Material Chemistry for Alternative Energy (2 cr)  
 CMP 4710 Intro to Transportation Planning  
 COMM 3115 Communicating Health, Science, Environment  
 COMM 5360 Environmental Communication  
 COMM 5365 Communicating Climate Change  
 ECON 3250 Introduction to Natural Resource Economics  
 \*ECON 5250 Environmental & Natural Resource Economics  
 ECON 5260 Energy Policy Options for Utah  
 ENGL 5080 Environmental Literature  
 ENVST 3280 Organic Gardening (AS)  
 \*ENVST 3390 Sustainable Streams and Riparian Zones  
 \*ENVST 3720 Environmental Health Disparities  
 FCS/PSY 3620 Environmental Psych & Sustainability  
 FCS 5450 Nonprofit Community Organizations  
 FCS 5730 Community and Environmental Change  
 \*GEO 3800 The Oceans (SF)  
 \*GEOG 3215 Climate Change Impact, Adaptation & Mitigation  
 GEOG 3368 Energy Choices for 21st Century (SF)  
 \*GEOG 5205 Regional and Global Climates (SF)  
 \*GEOG 5275 Vegetation & Climate Change  
 GEOG 5410 Paleoclimatology

Category	Course	Title	Credit Hours
Required	ATMOS 5400 or GEOG 5205	The Climate System	3
	GEOG 5210	Regional and Global Climates	
	GEOG 5215	Global Climate Change	3
		Climate Change and Its Impacts	3
	<b>Sub-Total</b>		<b>9</b>
3 Elective Courses	ATMOS 3100	Atmospheric Chemistry & Air Pollution	3
	ATMOS 3200	Mountain Weather and Climate	3
	BIOL 3440/3460	Global Change Ecology/ Global Issues	3
	BIOL 5440	Urban Ecology	3
	BIOL 5490	Ecosystem Ecology	3
	ENVST 3365	Environmental Justice	3
	GEO 3300	Water Planet	3
	GEOG 5275	Vegetation and Climate Change	3
	GEOG 5460	Popular Literature on Climate Change	3
	GEOG 5410	Paleoclimatology	3
	GEOG 5375	Sustainable Transportation	3
	GEOG 5270	Biogeography: Global Patterns of Life	4
	GEOG 5090	Medical Geography	3
	COMM 5365	Communicating Climate Change	3
	GEO 5675	Paleoclimate Reconstruction	3
	<b>Sub-Total (minimum)</b>		<b>9</b>
	<b>Certificate Total</b>	<b>18-19 credits</b>	



# ENVST CLIMATE & ENERGY WITH PHYSICS MINOR

## Physics Minor

### Writing Courses (select one)

COMM 4650 Environmental Reporting (CW)  
CMP 4260 Land, Law, & Culture (CW)  
\*GEOG 3/5270 Global Patterns of Life (CW, SF)  
\*HONOR 3200 Writing in a Research University (CW)  
\*MGT 3810 Business & Professional Communication (CW)  
WRTG 3014 Scientific Writing (CW)  
WRTG 3420 Environmental Writing (CW, HF)

### Methods Courses (select one)

ATMOS 5050 Environmental Instrumentation (2 cr)  
\*CMP 4450 GIS for Urban Ecologists (QI)  
\*ECON 4650 Econometrics (QI)  
\*GEOG 3100 Introduction to GIS & Cartography (QI) (5cr)  
POLS 3001 Political Analysis (QI, QB)  
SOC 3111 Research Methods (CW)

### To Be Completed in Your Last Year

\*ENVST 4800 Environmental & Sustainability Studies Internship  
\*ENVST 5554 Capstone: Climate & Energy

## CAREER OUTLOOK

Educator  
Climate change activist  
Climate change researcher  
Policy Maker  
Energy Auditor

COMM 5360 Environmental Communication  
COMM 5365 Communicating Climate Change  
ECON 3250 Introduction to Natural Resource Economics  
\*ECON 5250 Environmental & Natural Resource Economics  
ECON 5260 Energy Policy Options for Utah  
ENGL 5080 Environmental Literature  
ENVST 3280 Organic Gardening (AS)  
\*ENVST 3390 Sustainable Streams and Riparian Zones  
\*ENVST 3720 Environmental Health Disparities  
FCS/PSY 3620 Environmental Psych & Sustainability  
FCS 5450 Nonprofit Community Organizations  
FCS 5730 Community and Environmental Change  
\*GEO 3800 The Oceans (SF)  
\*GEOG 3215 Climate Change Impact, Adaptation & Mitigation  
GEOG 3368 Energy Choices for 21st Century (SF)  
GEOG 5205 Regional and Global Climates (SF)  
\*GEOG 5275 Vegetation & Climate Change  
GEOG 5410 Paleoclimatology  
GEOG 5435 The Oceans and Us  
H EDU 3700 Environmental Health  
HIST 4380 US Environmental History (HF)  
HIST 4860 Environmental History of China  
\*HONOR 3215 Global Environmental Change  
\*MATH 1210 Calculus I (QR)  
\*MATH 1220 Calculus II (QR)  
POLS 5540 Nonprofit Advocacy  
PHIL 3310 Science & Society (HF)  
PHIL 3530 Environmental Ethics (HF)  
PHIL 5530 Environmental Philosophy (HF)  
\*PHYS 2010/2015 General Physics & Lab I (SF)  
\*PHYS 2210/2215 Physics for Scientists & Engineers & Lab I (SF)  
\*PHYS 2220/2225 Physics for Scientists & Engineers & Lab II (SF)  
\*PHYS 3150 Energy & Sustainability (IR)  
SOC 3480 Environmental Sociology (IR)

### Intro Courses

Take 10 credits of the following:

- PHYS 2210 – Physics for Scientists & Engineers I (4)
- PHYS 2215 – Lab for Physics for Scientists & Engineers I (1)
- PHYS 3210 – Physics for Scientists I (4)
- PHYS 2220 – Physics for Scientists & Engineers II (4)
- PHYS 2225 – Lab for Physics for Scientists & Engineers II (1)
- PHYS 3220 – Physics for Scientists II (4)
- PHYS 2235 – Lab for Physicists (1)

### Upper Division Courses

Take 6 credits from the following:

- PHYS 3150 – Energy & Sustainability (3)
- \*See PHYS website for full list: [physics.utah.edu](http://physics.utah.edu)

# ENVST CLIMATE & ENERGY WITH GEOGRAPHY MINOR

## REQUIRED CLASSES

ENVST 2000 Field Experience: Environment and Sustainability  
 ENVST 2050 Introduction to Environmental Science (SF)  
 ENVST 2100 Introduction to Environmental & Sustainability Studies (BF)  
*These three courses are pre-requisites for the upper division ENVST courses*

**ENVST/GEOG 3210 Global Climate Change (SF)**

\*ENVST 3364 Challenges to Global Sustainability (IR)

\*ENVST 3365 Environmental Justice (DV)

POLS 5322 Environmental Policy

Statistics Courses (select one)

\*ATMOS 5040 Environmental Statistics (QI)

\*COMM 3710 Intro to Quantitative Comm. Research (QI)

CMP 4010 Field Studies in Urban Ecology (QI)

\*ECON 3640 Probability & Statistics for Economists (QI, QB)

**\*GEOG 3020 Geographic Analysis (QI, QB)**

\*MATH 3070 Applied Statistics (QI, QB)

\*POLS 5001 Quantitative Analysis in Political Science (QI)

SOC 3112 Social Statistics (QI, QB)

Writing Courses (select one)

COMM 4650 Environmental Reporting (CW)

CMP 4260 Land, Law, & Culture (CW)

**\*GEOG 3/5270 Global Patterns of Life (CW, SF)**

\*HONOR 3200 Writing in a Research University (CW)

\*MGT 3810 Business & Professional Communication (CW)

WRTG 3014 Scientific Writing (CW)

WRTG 3420 Environmental Writing (CW, HF)

Methods Courses (select one)

ATMOS 5050 Environmental Instrumentation (2 cr)

\*CMP 4450 GIS for Urban Ecologists (QI)

\*ECON 4650 Econometrics (QI)

**\*GEOG 3100 Introduction to GIS & Cartography (QI) (5cr)**

POLS 3001 Political Analysis (QI, QB)

SOC 3111 Research Methods (CW)

To Be Completed in Your Last Year



Electives (select seven courses)

ANTH 4186 Human Ecology (BF, SF)

ATMOS 3200/GEOG 3280 Mountain Weather & Climate

\*ATMOS 5000 Introduction to Atmospheric Science (QI)

\*ATMOS 5140 Physical Meteorology II: Atmos. Radiation (1.5 cr)

\*ATMOS 5270 Wind Power Meteorology (1.5 cr)

\*ATMOS 5400 The Climate System

BIOL 5440 Urban Ecology

\*CHEM 1210/1215 General Chemistry & Lab I (SF)

CHEM 5640 Material Chemistry for Alternative Energy (2 cr)

CMP 4710 Intro to Transportation Planning

COMM 3115 Communicating Health, Science, Environment

COMM 5360 Environmental Communication

COMM 5365 Communicating Climate Change

ECON 3250 Introduction to Natural Resource Economics

\*ECON 5250 Environmental & Natural Resource Economics

ECON 5260 Energy Policy Options for Utah

ENGL 5080 Environmental Literature

ENVST 3280 Organic Gardening (AS)

**\*ENVST 3390 Sustainable Streams and Riparian Zones**

\*ENVST 3720 Environmental Health Disparities

FCS/PSY 3620 Environmental Psych & Sustainability

FCS 5450 Nonprofit Community Organizations

FCS 5730 Community and Environmental Change

\*GEO 3800 The Oceans (SF)

**\*GEOG 3215 Climate Change Impact, Adaptation & Mitigation**

GEOG 3368 Energy Choices for 21st Century (SF)

GEOG 5205 Regional and Global Climates (SF)

\*GEOG 5275 Vegetation & Climate Change

GEOG 5410 Paleoclimatology

**GEOG 5435 The Oceans and Us**

H EDU 3700 Environmental Health

H EDU 3700 Environmental Health

## Geography Minor

Course Number and Title	Credit Hrs
<b>Required Courses</b>	
GEOG 1000 – Earth Environments and Global Change	3
GEOG 1400 – Human Geography	3
<b>GEOG 3100 – Introduction to GIS &amp; Cartography (Fall /+online Spring &amp; Summer)</b>	<b>5</b>
<b>Elective Courses—upper division courses (≥ 3000)</b>	
GEOG 3### – Choose from: GEOG 3368, 5205, 5275,	
GEOG 3### – 5410, 5435, 3390, 3/5270, and/or 3020	
GEOG 3###	
<b>TOTAL COURSES (min. 6)</b>	
<b>TOTAL RESIDENCY HRS. (12 cr. hrs. at U of U Geog. Dept.)</b>	

All courses for the minor must be taken for a letter grade and completed with a C- or better

# ENVST CLIMATE & ENERGY WITH ATMOSPHERIC SCIENCE MINOR

## Atmospheric Science Minor

### REQUIRED CLASSES

ENVST 2000 Field Experience: Environment and Sustainability  
 ENVST 2050 Introduction to Environmental Science (SF)  
 ENVST 2100 Introduction to Environmental & Sustainability Studies (BF)  
*These three courses are pre-requisites for the upper division ENVST courses*

ENVST/GEOG 3210 Global Climate Change (SF)  
 \*ENVST 3364 Challenges to Global Sustainability (IR)  
 \*ENVST 3365 Environmental Justice (DV)  
 POLS 5322 Environmental Policy

#### Statistics Courses (select one)

\*ATMOS 5040 Environmental Statistics (QI)  
 \*COMM 3710 Intro to Quantitative Comm. Research (QI)  
 CMP 4010 Field Studies in Urban Ecology (QI)  
 \*ECON 3640 Probability & Statistics for Economists (QI, QB)  
 \*GEOG 3020 Geographic Analysis (QI, QB)  
 \*MATH 3070 Applied Statistics (QI, QB)  
 \*POLS 5001 Quantitative Analysis in Political Science (QI)  
 SOC 3112 Social Statistics (QI, QB)

#### Writing Courses (select one)

COMM 4650 Environmental Reporting (CW)  
 CMP 4260 Land, Law, & Culture (CW)  
 \*GEOG 3/5270 Global Patterns of Life (CW, SF)  
 \*HONOR 3200 Writing in a Research University (CW)  
 \*MGT 3810 Business & Professional Communication (CW)  
 WRTG 3014 Scientific Writing (CW)  
 WRTG 3420 Environmental Writing (CW, HF)

#### Methods Courses (select one)

ATMOS 5050 Environmental Instrumentation (2 cr)  
 \*CMP 4450 GIS for Urban Ecologists (QI)  
 \*ECON 4650 Econometrics (QI)  
 \*GEOG 3100 Introduction to GIS & Cartography (QI) (5cr)  
 POLS 3001 Political Analysis (QI, QB)  
 SOC 3111 Research Methods (CW)



#### Electives (select seven courses)

ANTH 4186 Human Ecology (BF, SF)  
 ATMOS 3200/GEOG 3280 Mountain Weather & Climate  
 \*ATMOS 5000 Introduction to Atmospheric Science (QI)  
 \*ATMOS 5140 Physical Meteorology II: Atmos. Radiation (1.5 cr)  
 \*ATMOS 5270 Wind Power Meteorology (1.5 cr)  
 \*ATMOS 5400 The Climate System  
 BIOL 5440 Urban Ecology  
 \*CHEM 1210/1215 General Chemistry & Lab I (SF)  
 CHEM 5640 Material Chemistry for Alternative Energy (2 cr)  
 CMP 4710 Intro to Transportation Planning  
 COMM 3115 Communicating Health, Science, Environment  
 COMM 5360 Environmental Communication  
 COMM 5365 Communicating Climate Change  
 ECON 3250 Introduction to Natural Resource Economics  
 \*ECON 5250 Environmental & Natural Resource Economics  
 ECON 5260 Energy Policy Options for Utah  
 ENGL 5080 Environmental Literature  
 ENVST 3280 Organic Gardening (AS)  
 \*ENVST 3390 Sustainable Streams and Riparian Zones  
 \*ENVST 3720 Environmental Health Disparities  
 FCS/PSY 3620 Environmental Psych & Sustainability  
 FCS 5450 Nonprofit Community Organizations  
 FCS 5730 Community and Environmental Change  
 \*GEO 3800 The Oceans (SF)  
 \*GEOG 3215 Climate Change Impact, Adaptation & Mitigation  
 GEOG 3368 Energy Choices for 21st Century (SF)  
 GEOG 5205 Regional and Global Climates (SF)  
 \*GEOG 5275 Vegetation & Climate Change

### Requirements

Students must complete six required courses in the department, which should be selected in consultation with an Atmospheric Sciences advisor. Students who have not taken Calculus may choose from the courses in the table below. Engineering and science majors should contact an advisor for an appropriate alternative course sequence. All Atmospheric Sciences courses must be passed with a letter grade of C- or higher.

Course	Credits	Title	Prerequisites	Offered
ATMOS 1010* (SF)	3	Severe and Unusual Weather		Sp/S/F
ATMOS 1020* (SF)	3	Climate Change		Sp/F
ATMOS 3000	1.5	Professional Development in the Atmospheric Sciences		F 1 <sup>st</sup> half
ATMOS 3010	1.5	Weather Forecasting	ATMOS 1010 or ATMOS 3200	Sp 2 <sup>nd</sup> half
ATMOS 3200	3	Mountain Weather and Climate		Sp (Even years only)
ATMOS 5260	4	Snow Dynamics and Avalanche Studies		Sp
ATMOS 5400	3	The Climate System	MATH 1050	F

# ENVST CLIMATE & ENERGY WITH GEOGRAPHY HAZARDS & EMERGENCY MANAGEMENT CERTIFICATE

## Hazards & Emergency Management Certificate

### REQUIRED CLASSES

ENVST 2000 Field Experience: Environment and Sustainability  
 ENVST 2050 Introduction to Environmental Science (SF)  
 ENVST 2100 Introduction to Environmental & Sustainability Studies (BF)  
*These three courses are pre-requisites for the upper division ENVST courses*

ENVST/GEOG 3210 Global Climate Change (SF)  
 \*ENVST 3364 Challenges to Global Sustainability (IR)  
 \*ENVST 3365 Environmental Justice (DV)  
 POLS 5322 Environmental Policy

#### Statistics Courses (select one)

\*ATMOS 5040 Environmental Statistics (QI)  
 \*COMM 3710 Intro to Quantitative Comm. Research (QI)  
 CMP 4010 Field Studies in Urban Ecology (QI)  
 \*ECON 3640 Probability & Statistics for Economists (QI, QB)  
 \*GEOG 3020 Geographic Analysis (QI, QB)  
 \*MATH 3070 Applied Statistics (QI, QB)  
 \*POLS 5001 Quantitative Analysis in Political Science (QI)  
 SOC 3112 Social Statistics (QI, QB)

#### Writing Courses (select one)

COMM 4650 Environmental Reporting (CW)  
 CMP 4260 Land, Law, & Culture (CW)  
 \*GEOG 3/5270 Global Patterns of Life (CW, SF)  
 \*HONOR 3200 Writing in a Research University (CW)  
 \*MGT 3810 Business & Professional Communication (CW)  
 WRTG 3014 Scientific Writing (CW)  
 WRTG 3420 Environmental Writing (CW, HF)

#### Methods Courses (select one)

ATMOS 5050 Environmental Instrumentation (2 cr)  
 \*CMP 4450 GIS for Urban Ecologists (QI)  
 \*ECON 4650 Econometrics (QI)  
 \*GEOG 3100 Introduction to GIS & Cartography (QI) (5cr)  
 POLS 3001 Political Analysis (QI, QB)  
 SOC 3111 Research Methods (CW)



#### Electives (select seven courses)

ANTH 4186 Human Ecology (BF, SF)  
 ATMOS 3200/GEOG 3280 Mountain Weather & Climate  
 \*ATMOS 5000 Introduction to Atmospheric Science (QI)  
 \*ATMOS 5140 Physical Meteorology II: Atmos. Radiation (1.5 cr)  
 \*ATMOS 5270 Wind Power Meteorology (1.5 cr)  
 \*ATMOS 5400 The Climate System  
 BIOL 5440 Urban Ecology  
 \*CHEM 1210/1215 General Chemistry & Lab I (SF)  
 CHEM 5640 Material Chemistry for Alternative Energy (2 cr)  
 CMP 4710 Intro to Transportation Planning  
 COMM 3115 Communicating Health, Science, Environment  
 COMM 5360 Environmental Communication  
 COMM 5365 Communicating Climate Change  
 ECON 3250 Introduction to Natural Resource Economics  
 \*ECON 5250 Environmental & Natural Resource Economics  
 ECON 5260 Energy Policy Options for Utah  
 ENGL 5080 Environmental Literature  
 ENVST 3280 Organic Gardening (AS)  
 \*ENVST 3390 Sustainable Streams and Riparian Zones  
 \*ENVST 3720 Environmental Health Disparities  
 FCS/PSY 3620 Environmental Psych & Sustainability  
 FCS 5450 Nonprofit Community Organizations  
 FCS 5730 Community and Environmental Change  
 \*GEO 3800 The Oceans (SF)  
 \*GEOG 3215 Climate Change Impact, Adaptation & Mitigation  
 GEOG 3368 Energy Choices for 21st Century (SF)  
 GEOG 5205 Regional and Global Climates (SF)  
 \*GEOG 5275 Vegetation & Climate Change  
 GEOG 5410 Paleoclimatology  
 GEOG 5435 The Oceans and Us

#### All Program Courses

*All courses for the certificate must be taken for a letter grade and completed with a C or better*

Category	Course Prefix & Number	Title	Credit Hours
Required	GEO 1000	Natural Disasters	3
	GEOG 3310	Introduction to Natural Hazards	
	GEOG 3320	Geography of Terrorism & Security	3
	GEOG 3340	Geography of Disasters & Emergency Mgt	3
	<b>Sub-Total</b>		<b>9</b>
Substantive Electives  (select 2)	ATMOS 1010	Severe and Unusual Weather	3
	FCS 3620	Environment and Behavior	3
	GEO 1030	Earthquakes and Volcanoes	3
	GEO 5170	GeoHazards & Engineering Geomorphology	3
	GEOG 5215	Climate Change Impacts	3
	GEOG 5230	Pyrogeography	3
	HEDU 2720	Emergency Medical Response	3
	PSY 3171	Human Factors	3
	POLS 5965	Crisis Management	3
	SOC 3569	Terrorism, Violence and Aggression	3
<b>Sub-Total</b>		<b>6</b>	
Technical Electives  (select 1)	GEOG 3100	Intro to Geographic Information Systems (GIS) and Cartography	5
	GEOG 3110	Earth from Space: Remote Sensing of the Environment	3
	<b>Sub-Total (minimum)</b>		<b>3-5</b>
<b>Certificate Total</b>			<b>18-20 credits</b>

# ENVST CLIMATE & ENERGY WITH MATHEMATICS MINOR

## Math Minor



ENVST/GEOG 3210 Global Climate Change (SF)  
 \*ENVST 3364 Challenges to Global Sustainability (IR)  
 \*ENVST 3365 Environmental Justice (DV)  
 POLS 5322 Environmental Policy

### Statistics Courses (select one)

\*ATMOS 5040 Environmental Statistics (QI)  
 \*COMM 3710 Intro to Quantitative Comm. Research (QI)  
 CMP 4010 Field Studies in Urban Ecology (QI)  
 \*ECON 3640 Probability & Statistics for Economists (QI, QB)  
 \*GEOG 3020 Geographic Analysis (QI, QB)  
 \*MATH 3070 Applied Statistics (QI, QB)  
 \*POLS 5001 Quantitative Analysis in Political Science (QI)  
 SOC 3112 Social Statistics (QI, QB)

### Writing Courses (select one)

COMM 4650 Environmental Reporting (CW)  
 CMP 4260 Land, Law, & Culture (CW)  
 \*GEOG 3/5270 Global Patterns of Life (CW, SF)  
 \*HONOR 3200 Writing in a Research University (CW)  
 \*MGT 3810 Business & Professional Communication (CW)  
 WRTG 3014 Scientific Writing (CW)  
 WRTG 3420 Environmental Writing (CW, HF)

### Methods Courses (select one)

ATMOS 5050 Environmental Instrumentation (2 cr)  
 \*CMP 4450 GIS for Urban Ecologists (QI)  
 \*ECON 4650 Econometrics (QI)  
 \*GEOG 3100 Introduction to GIS & Cartography (QI) (5cr)  
 POLS 3001 Political Analysis (QI, QB)  
 SOC 3111 Research Methods (CW)

### To Be Completed in Your Last Year

\*ENVST 4800 Environmental & Sustainability Studies Internship  
 \*ENVST 5554 Capstone: Climate & Energy

### Electives (select seven courses)

ANTH 4186 Human Ecology (BF, SF)  
 ATMOS 3200/GEOG 3280 Mountain Weather & Climate  
 \*ATMOS 5000 Introduction to Atmospheric Science (QI)  
 \*ATMOS 5140 Physical Meteorology II: Atmos. Radiation (1.5 cr)  
 \*ATMOS 5270 Wind Power Meteorology (1.5 cr)  
 \*ATMOS 5400 The Climate System  
 BIOL 5440 Urban Ecology  
 \*CHEM 1210/1215 General Chemistry & Lab I (SF)  
 CHEM 5640 Material Chemistry for Alternative Energy (2 cr)  
 CMP 4710 Intro to Transportation Planning  
 COMM 3115 Communicating Health, Science, Environment  
 COMM 5360 Environmental Communication  
 COMM 5365 Communicating Climate Change  
 ECON 3250 Introduction to Natural Resource Economics  
 \*ECON 5250 Environmental & Natural Resource Economics  
 ECON 5260 Energy Policy Options for Utah  
 ENGL 5080 Environmental Literature  
 ENVST 3280 Organic Gardening (AS)  
 \*ENVST 3390 Sustainable Streams and Riparian Zones  
 \*ENVST 3720 Environmental Health Disparities  
 FCS/PSY 3620 Environmental Psych & Sustainability  
 FCS 5450 Nonprofit Community Organizations  
 FCS 5730 Community and Environmental Change  
 \*GEO 3800 The Oceans (SF)  
 \*GEOG 3215 Climate Change Impact, Adaptation & Mitigation  
 GEOG 3368 Energy Choices for 21st Century (SF)  
 GEOG 5205 Regional and Global Climates (SF)  
 \*GEOG 5275 Vegetation & Climate Change  
 GEOG 5410 Paleoclimatology  
 GEOG 5435 The Oceans and Us  
 H EDU 3700 Environmental Health  
 HIST 4380 US Environmental History (HF)  
 HIST 4860 Environmental History of China  
 \*HONOR 3215 Global Environmental Change  
 \*MATH 1210 Calculus I (QR)  
 \*MATH 1220 Calculus II (QR)

Mathematics minors must receive a C or better in all math courses.

### REQUIRED COURSES

MATH 1210	Calculus I
MATH 1220	Calculus II
MATH 2210	Calculus III
MATH 3210	Foundations of Analysis I
MATH 3220	Foundations of Analysis II
<b>OR</b>	<b>OR</b>
MATH 4200 or higher*	Selection from approved upper division courses

\*Note: To fulfill requirement, student must take Math 3220 or any Math course numbered 4200 or higher, EXCEPT:

MATH 4910, MATH 4950, MATH 4999, MATH 5000, MATH 5140, MATH 5150, MATH 5155, MATH 5160, MATH 5165, MATH 5270, MATH 5280, MATH 5700, MATH 5960, MATH 5969, and MATH 5910.

### ELECTIVE COURSES

Select **three** Department of Mathematics courses with a prerequisite of at least Calculus II. Please have your course choices approved by the Undergraduate Advisors.

**Note:** One elective **MUST** be MATH 2200 (recommended), MATH 2270, or MATH 2250 in order to satisfy prerequisites for Foundations of Analysis.

## CAREER OUTLOOK

# ENVST CLIMATE & ENERGY WITH ECONOMICS MINOR

## Economics Minor

### REQUIRED CLASSES

ENVST 2000 Field Experience: Environment and Sustainability  
 ENVST 2050 Introduction to Environmental Science (SF)  
 ENVST 2100 Introduction to Environmental & Sustainability Studies (BF)  
*These three courses are pre-requisites for the upper division ENVST courses*

ENVST/GEOG 3210 Global Climate Change (SF)  
 \*ENVST 3364 Challenges to Global Sustainability (IR)  
 \*ENVST 3365 Environmental Justice (DV)  
 POLS 5322 Environmental Policy

Statistics Courses (select one)  
 \*ATMOS 5040 Environmental Statistics (QI)  
 \*COMM 3710 Intro to Quantitative Comm. Research (QI)  
 CMP 4010 Field Studies in Urban Ecology (QI)  
 \*ECON 3640 Probability & Statistics for Economists (QI, QB)  
 \*GEOG 3020 Geographic Analysis (QI, QB)  
 \*MATH 3070 Applied Statistics (QI, QB)  
 \*POLS 5001 Quantitative Analysis in Political Science (QI)  
 SOC 3112 Social Statistics (QI, QB)

Writing Courses (select one)  
 COMM 4650 Environmental Reporting (CW)  
 CMP 4260 Land, Law, & Culture (CW)  
 \*GEOG 3/5270 Global Patterns of Life (CW, SF)  
 \*HONOR 3200 Writing in a Research University (CW)  
 \*MGT 3810 Business & Professional Communication (CW)  
 WRTG 3014 Scientific Writing (CW)  
 WRTG 3420 Environmental Writing (CW, HF)

Methods Courses (select one)  
 ATMOS 5050 Environmental Instrumentation (2 cr)  
 \*CMP 4450 GIS for Urban Ecologists (QI)  
 \*ECON 4650 Econometrics (QI)  
 \*GEOG 3100 Introduction to GIS & Cartography (QI) (5cr)  
 POLS 3001 Political Analysis (QI, QB)  
 SOC 3111 Research Methods (CW)



Electives (select seven courses)  
 ANTH 4186 Human Ecology (BF, SF)  
 ATMOS 3200/GEOG 3280 Mountain Weather & Climate  
 \*ATMOS 5000 Introduction to Atmospheric Science (QI)  
 \*ATMOS 5140 Physical Meteorology II: Atmos. Radiation (1.5 cr)  
 \*ATMOS 5270 Wind Power Meteorology (1.5 cr)  
 \*ATMOS 5400 The Climate System  
 BIOL 5440 Urban Ecology  
 \*CHEM 1210/1215 General Chemistry & Lab I (SF)  
 CHEM 5640 Material Chemistry for Alternative Energy (2 cr)  
 CMP 4710 Intro to Transportation Planning  
 COMM 3115 Communicating Health, Science, Environment  
 COMM 5360 Environmental Communication  
 COMM 5365 Communicating Climate Change  
 \*ECON 3250 Introduction to Natural Resource Economics  
 \*ECON 5250 Environmental & Natural Resource Economics  
 \*ECON 5260 Energy Policy Options for Utah  
 ENGL 5080 Environmental Literature  
 ENVST 3280 Organic Gardening (AS)  
 \*ENVST 3390 Sustainable Streams and Riparian Zones  
 \*ENVST 3720 Environmental Health Disparities  
 FCS/PSY 3620 Environmental Psych & Sustainability  
 FCS 5450 Nonprofit Community Organizations  
 FCS 5730 Community and Environmental Change  
 \*GEO 3800 The Oceans (SF)  
 \*GEOG 3215 Climate Change Impact, Adaptation & Mitigation  
 GEOG 3368 Energy Choices for 21st Century (SF)  
 GEOG 5205 Regional and Global Climates (SF)  
 \*GEOG 5275 Vegetation & Climate Change  
 GEOG 5410 Paleoclimatology

All courses must be completed with a minimum letter grade of C-

As of November 2016

### Principles/Core Courses: Must complete both courses

- ECON 2010—Principles of Microeconomics (BF)
- ECON 2020—Principles of Macroeconomics (BF)

### History/Theory/Thought: Must complete one course

- ECON 4010—Intermediate Microeconomics (QI)
- ECON 4020—Intermediate Macroeconomics (QI)
- ECON 5050—John Maynard Keynes
- ECON 5060—History of Economic Doctrines
- ECON 5080—Marxian Economics (CW)
- ECON 5400—Middle East Economic History
- ECON 5410—Survey of European Economic History
- ECON 5420—China and the Global Economy
- ECON 5430—Asian Economic History & Development (IR)
- ECON 5460—Latin American Economic History & Development
- ECON 5470—Industrial & Economic Development: The American Case (CW )

### Elective Courses: Must complete three courses\*

- ECON 3250 or 5250
- ECON 3640 – Probability & Statistics for Economists (QI, QB)
- ECON 4650 – Econometrics (QI)

\* Electives must be 3000 level or higher Economics courses. ECON 3905, ECON 3640 and ECON 3620 may not be used to fulfill the elective requirement. Consult the Bachelor of Economics course requirements for the list of qualifying elective courses.

# ENVST CLIMATE & ENERGY WITH URBAN ECOLOGY MINOR

## REQUIRED CLASSES

ENVST 2000 Field Experience: Environment and Sustainability  
 ENVST 2050 Introduction to Environmental Science (SF)  
 ENVST 2100 Introduction to Environmental & Sustainability Studies (BF)  
*These three courses are pre-requisites for the upper division ENVST courses*

ENVST/GEOG 3210 Global Climate Change (SF)  
 \*ENVST 3364 Challenges to Global Sustainability (IR)  
 \*ENVST 3365 Environmental Justice (DV)  
 POLS 5322 Environmental Policy

### Statistics Courses (select one)

\*ATMOS 5040 Environmental Statistics (QI)  
 \*COMM 3710 Intro to Quantitative Comm. Research (QI)  
**CMP 4010 Field Studies in Urban Ecology (QI)**  
 \*ECON 3640 Probability & Statistics for Economists (QI, QB)  
 \*GEOG 3020 Geographic Analysis (QI, QB)  
 \*MATH 3070 Applied Statistics (QI, QB)  
 \*POLS 5001 Quantitative Analysis in Political Science (QI)  
 SOC 3112 Social Statistics (QI, QB)

### Writing Courses (select one)

COMM 4650 Environmental Reporting (CW)  
**CMP 4260 Land, Law, & Culture (CW)**  
 \*GEOG 3/5270 Global Patterns of Life (CW, SF)  
 \*HONOR 3200 Writing in a Research University (CW)  
 \*MGT 3810 Business & Professional Communication (CW)  
 WRTG 3014 Scientific Writing (CW)  
 WRTG 3420 Environmental Writing (CW, HF)

### Methods Courses (select one)

ATMOS 5050 Environmental Instrumentation (2 cr)  
**\*CMP 4450 GIS for Urban Ecologists (QI)**  
 \*ECON 4650 Econometrics (QI)  
 \*GEOG 3100 Introduction to GIS & Cartography (QI) (5cr)  
 POLS 3001 Political Analysis (QI, QB)  
 SOC 3111 Research Methods (CW)



### Electives (select seven courses)

ANTH 4186 Human Ecology (BF, SF)  
 ATMOS 3200/GEOG 3280 Mountain Weather & Climate  
 \*ATMOS 5000 Introduction to Atmospheric Science (QI)  
 \*ATMOS 5140 Physical Meteorology II: Atmos. Radiation (1.5 cr)  
 \*ATMOS 5270 Wind Power Meteorology (1.5 cr)  
 \*ATMOS 5400 The Climate System  
 BIOL 5440 Urban Ecology  
 \*CHEM 1210/1215 General Chemistry & Lab I (SF)  
 CHEM 5640 Material Chemistry for Alternative Energy (2 cr)  
**CMP 4710 Intro to Transportation Planning**  
 COMM 3115 Communicating Health, Science, Environment  
 COMM 5360 Environmental Communication  
 COMM 5365 Communicating Climate Change  
 ECON 3250 Introduction to Natural Resource Economics  
 \*ECON 5250 Environmental & Natural Resource Economics  
 ECON 5260 Energy Policy Options for Utah  
 ENGL 5080 Environmental Literature  
 ENVST 3280 Organic Gardening (AS)  
 \*ENVST 3390 Sustainable Streams and Riparian Zones  
 \*ENVST 3720 Environmental Health Disparities  
 FCS/PSY 3620 Environmental Psych & Sustainability  
 FCS 5450 Nonprofit Community Organizations  
 FCS 5730 Community and Environmental Change  
 \*GEO 3800 The Oceans (SF)  
 \*GEOG 3215 Climate Change Impact, Adaptation & Mitigation  
 GEOG 3368 Energy Choices for 21st Century (SF)  
 GEOG 5205 Regional and Global Climates (SF)  
 \*GEOG 5275 Vegetation & Climate Change  
 GEOG 5410 Paleoclimatology

## Urban Ecology Minor

### CMP 2010

Design Ecologies  
(3)

BF

### CMP 3200

Ecology of Human  
Settlements  
(3)

### CMP 4600

The Just City  
(3)

### DES 2630

Design Contexts  
(3)

FF

### CMP 4010

Field Studies in  
Urban Ecology I  
(4)

QI

### ELECTIVE

Select from  
CMP 3000  
Level courses

# ENVST CLIMATE & ENERGY

## WITH CONSUMER & COMMUNITY STUDIES MINOR

### Consumer and Community Studies (CCS) Minor

#### REQUIRED CLASSES

**ENVST 2000** Field Experience: Environment and Sustainability  
**ENVST 2050** Introduction to Environmental Science (SF)  
**ENVST 2100** Introduction to Environmental & Sustainability Studies (BF)  
*These three courses are pre-requisites for the upper division ENVST courses*

**ENVST/GEOG 3210** Global Climate Change (SF)  
**\*ENVST 3364** Challenges to Global Sustainability (IR)  
**\*ENVST 3365** Environmental Justice (DV)  
**POLS 5322** Environmental Policy

**Statistics Courses** (select one)  
**\*ATMOS 5040** Environmental Statistics (QI)  
**\*COMM 3710** Intro to Quantitative Comm. Research (QI)  
**CMP 4010** Field Studies in Urban Ecology (QI)  
**\*ECON 3640** Probability & Statistics for Economists (QI, QB)  
**\*GEOG 3020** Geographic Analysis (QI, QB)  
**\*MATH 3070** Applied Statistics (QI, QB)  
**\*POLS 5001** Quantitative Analysis in Political Science (QI)  
**SOC 3112** Social Statistics (QI, QB)

**Writing Courses** (select one)  
**COMM 4650** Environmental Reporting (CW)  
**CMP 4260** Land, Law, & Culture (CW)  
**\*GEOG 3/5270** Global Patterns of Life (CW, SF)  
**\*HONOR 3200** Writing in a Research University (CW)  
**\*MGT 3810** Business & Professional Communication (CW)  
**WRTG 3014** Scientific Writing (CW)  
**WRTG 3420** Environmental Writing (CW, HF)

**Methods Courses** (select one)  
**ATMOS 5050** Environmental Instrumentation (2 cr)  
**\*CMP 4450** GIS for Urban Ecologists (QI)  
**\*ECON 4650** Econometrics (QI)  
**\*GEOG 3100** Introduction to GIS & Cartography (QI) (5cr)  
**POLS 3001** Political Analysis (QI, QB)



**Electives** (select seven courses)  
**ANTH 4186** Human Ecology (BF, SF)  
**ATMOS 3200/GEOG 3280** Mountain Weather & Climate  
**\*ATMOS 5000** Introduction to Atmospheric Science (QI)  
**\*ATMOS 5140** Physical Meteorology II: Atmos. Radiation (1.5 cr)  
**\*ATMOS 5270** Wind Power Meteorology (1.5 cr)  
**\*ATMOS 5400** The Climate System  
**BIOL 5440** Urban Ecology  
**\*CHEM 1210/1215** General Chemistry & Lab I (SF)  
**CHEM 5640** Material Chemistry for Alternative Energy (2 cr)  
**CMP 4710** Intro to Transportation Planning  
**COMM 3115** Communicating Health, Science, Environment  
**COMM 5360** Environmental Communication  
**COMM 5365** Communicating Climate Change  
**ECON 3250** Introduction to Natural Resource Economics  
**\*ECON 5250** Environmental & Natural Resource Economics  
**ECON 5260** Energy Policy Options for Utah  
**ENGL 5080** Environmental Literature  
**ENVST 3280** Organic Gardening (AS)  
**\*ENVST 3390** Sustainable Streams and Riparian Zones  
**\*ENVST 3720** Environmental Health Disparities  
**FCS/PSY 3620** Environmental Psych & Sustainability  
**FCS 5450** Nonprofit Community Organizations  
**FCS 5730** Community and Environmental Change  
**\*GEO 3800** The Oceans (SF)  
**\*GEOG 3215** Climate Change Impact, Adaptation & Mitigation  
**GEOG 3368** Energy Choices for 21st Century (SF)  
**GEOG 5205** Regional and Global Climates (SF)

Minimum CCS Minor Hours: 15 (at least 6 semester hours for the CCS major must be completed at the University of Utah). All CCS minor courses must be completed with a letter grade of C- or better.

1. CCS CORE (6 Credit Hours)  
**FCS 3450** Family Economic Issues (QI/BF) –or– **FCS 3500** Financial Skills for Life 3  
**FCS 3600** Consumer and Community Policy 3

2. CCS ELECTIVES (9 Credit Hours, at least 3 credits at 5000 level)  
**FCS 3180** Family, School, & Community Connections  
**FCS 3420** Housing Policy and Issues  
**FCS 3430** Family Advocacy and Policy  
**FCS 3450** Family Economic Issues  
**FCS 3470** International Consumer Policy  
**FCS 3500** Financial Skills for Life

**FCS 3620** Environmental Psychology & Sustainability  
**FCS 5200** Family and Social Policy  
**FCS 5430** Families, Consumers, & Health  
**FCS 5450** Nonprofit community Organizations  
**FCS 5510** Building Family Wealth  
**FCS 5520** Retirement and Benefits Planning for Families  
**FCS 5530** Income Tax Planning for Families  
**FCS 5540** Protecting Family Wealth  
**FCS 5550** Family Financial Planning Capstone  
**FCS 5590** Intensive Spanish Culture and Community  
**FCS 5630** Healthy Communities  
**FCS 5700** Analyzing Community Growth: An Evidence-based Approach  
**FCS 5730** Community & Environmental Change  
**FCS 5950** Undergraduate Research  
**FCS 5962/5964** Special Topics in CCS  
**HNKLY 4900/4901/4902/4903** Internships  
**OR HNKLY 4910** Washington DC Encounter



# ENVST CLIMATE & ENERGY WITH APPLIED ETHICS MINOR Applied Ethics Minor



ENVST/GEOG 3210 Global Climate Change (SF)  
 \*ENVST 3364 Challenges to Global Sustainability (IR)  
 \*ENVST 3365 Environmental Justice (DV)

**POLS 5322 Environmental Policy**

Statistics Courses (select one)

\*ATMOS 5040 Environmental Statistics (QI)  
 \*COMM 3710 Intro to Quantitative Comm. Research (QI)  
 CMP 4010 Field Studies in Urban Ecology (QI)  
 \*ECON 3640 Probability & Statistics for Economists (QI, QB)  
 \*GEOG 3020 Geographic Analysis (QI, QB)  
 \*MATH 3070 Applied Statistics (QI, QB)  
 \*POLS 5001 Quantitative Analysis in Political Science (QI)  
 SOC 3112 Social Statistics (QI, QB)

Writing Courses (select one)

COMM 4650 Environmental Reporting (CW)  
 CMP 4260 Land, Law, & Culture (CW)  
 \*GEOG 3/5270 Global Patterns of Life (CW, SF)  
 \*HONOR 3200 Writing in a Research University (CW)  
 \*MGT 3810 Business & Professional Communication (CW)  
 WRTG 3014 Scientific Writing (CW)  
 WRTG 3420 Environmental Writing (CW, HF)

Methods Courses (select one)

ATMOS 5050 Environmental Instrumentation (2 cr)  
 \*CMP 4450 GIS for Urban Ecologists (QI)  
 \*ECON 4650 Econometrics (QI)  
 \*GEOG 3100 Introduction to GIS & Cartography (QI) (5cr)  
 POLS 3001 Political Analysis (QI, QB)  
 SOC 3111 Research Methods (CW)

To Be Completed in Your Last Year

\*ENVST 4800 Environmental & Sustainability Studies Internship  
 \*ENVST 5554 Capstone: Climate & Energy

## CAREER OUTLOOK

Educator  
 Climate change activist  
 Climate change researcher

Electives (select seven courses)

ANTH 4186 Human Ecology (BF, SF)  
 ATMOS 3200/GEOG 3280 Mountain Weather & Climate  
 \*ATMOS 5000 Introduction to Atmospheric Science (QI)  
 \*ATMOS 5140 Physical Meteorology II: Atmos. Radiation (1.5 cr)  
 \*ATMOS 5270 Wind Power Meteorology (1.5 cr)  
 \*ATMOS 5400 The Climate System  
 BIOL 5440 Urban Ecology  
 \*CHEM 1210/1215 General Chemistry & Lab I (SF)  
 CHEM 5640 Material Chemistry for Alternative Energy (2 cr)  
 CMP 4710 Intro to Transportation Planning  
 COMM 3115 Communicating Health, Science, Environment  
 COMM 5360 Environmental Communication  
 COMM 5365 Communicating Climate Change  
 ECON 3250 Introduction to Natural Resource Economics  
 \*ECON 5250 Environmental & Natural Resource Economics  
 ECON 5260 Energy Policy Options for Utah  
 ENGL 5080 Environmental Literature  
 ENVST 3280 Organic Gardening (AS)  
 \*ENVST 3390 Sustainable Streams and Riparian Zones  
 \*ENVST 3720 Environmental Health Disparities  
 FCS/PSY 3620 Environmental Psych & Sustainability  
 FCS 5450 Nonprofit Community Organizations  
 FCS 5730 Community and Environmental Change  
 \*GEO 3800 The Oceans (SF)  
 \*GEOG 3215 Climate Change Impact, Adaptation & Mitigation  
 GEOG 3368 Energy Choices for 21st Century (SF)  
 GEOG 5205 Regional and Global Climates (SF)  
 \*GEOG 5275 Vegetation & Climate Change  
 GEOG 5410 Paleoclimatology  
 GEOG 5435 The Oceans and Us  
 H EDU 3700 Environmental Health  
 HIST 4380 US Environmental History (HF)  
 HIST 4860 Environmental History of China  
 \*HONOR 3215 Global Environmental Change  
 \*MATH 1210 Calculus I (QR)  
 \*MATH 1220 Calculus II (QR)  
 POLS 5540 Nonprofit Advocacy  
 PHIL 3310 Science & Society (HF)  
**PHIL 3530 Environmental Ethics (HF)**  
 PHIL 3535 Environmental Ethics (HF)

### ▼ Area I: Theories of Ethics and Moral Dimensions of Political/Public Life

Select **at least two** courses from the following:

- PHIL 3500 Ethics (HF)
- PHIL 3700 Political Philosophy (HF)
- PHIL 5500 Contemporary Ethical Theory
- POLS 3010 Democratic Theory
- POLS 5010 Foundations of Political Thought: Late Modern
- POLS 5025 American Political Thought
- POLS 5035 Contemporary Political Thought
- POLS 5140 Feminist Political Theory

### ▼ Area II: Theories Applied and Growing Out of Specific Issues Areas

Select **at least two** courses from one of the following groups. Note that both of these courses must be taken from the same group.

#### Group C: Engineering & Environmental Ethics

- PHIL 3510 Business and Professional Ethics (HF)
- **PHIL 3530 Environmental Ethics (HF)**
- PHIL 3730 Justice & International Affairs (IR)
- PHIL 4540 Engineering, Ethics, & Society (HF)
- **POLS 5322 Environmental Policy**

### ▼ Area III: Specific Coursework in Applied Areas

The student must take at least two courses, to be approved by Leslie Francis, from any fields where applied ethics are treated. To fulfill this requirement, students are encouraged to take courses in their major which also have an emphasis on ethics.

### ▼ Area IV: Elective

Students must take one additional course, to be selected from either Area I or Area II (please see above). This will permit students either 1) to deepen their understanding of (meta)-theory; or 2) to select an applied theory course from an area other than that chosen already for emphasis, thus allowing for comparative theoretical analysis and application.

# ENVST CLIMATE & ENERGY WITH POLITICAL SCIENCE MINOR



ENVST/GEOG 3210 Global Climate Change (SF)  
 \*ENVST 3364 Challenges to Global Sustainability (IR)  
 \*ENVST 3365 Environmental Justice (DV)  
**POLS 5322 Environmental Policy**

**Statistics Courses** (select one)  
 \*ATMOS 5040 Environmental Statistics (QI)  
 \*COMM 3710 Intro to Quantitative Comm. Research (QI)  
 CMP 4010 Field Studies in Urban Ecology (QI)  
 \*ECON 3640 Probability & Statistics for Economists (QI, QB)  
 \*GEOG 3020 Geographic Analysis (QI, QB)  
 \*MATH 3070 Applied Statistics (QI, QB)  
**\*POLS 5001 Quantitative Analysis in Political Science (QI)**  
 SOC 3112 Social Statistics (QI, QB)

**Writing Courses** (select one)  
 COMM 4650 Environmental Reporting (CW)  
 CMP 4260 Land, Law, & Culture (CW)  
 \*GEOG 3/5270 Global Patterns of Life (CW, SF)  
 \*HONOR 3200 Writing in a Research University (CW)  
 \*MGT 3810 Business & Professional Communication (CW)  
 WRTG 3014 Scientific Writing (CW)  
 WRTG 3420 Environmental Writing (CW, HF)

**Methods Courses** (select one)  
 ATMOS 5050 Environmental Instrumentation (2 cr)  
 \*CMP 4450 GIS for Urban Ecologists (QI)  
 \*ECON 4650 Econometrics (QI)  
 \*GEOG 3100 Introduction to GIS & Cartography (QI) (5cr)  
**POLS 3001 Political Analysis (QI, QB)**  
 SOC 3111 Research Methods (CW)

## To Be Completed in Your Last Year

\*ENVST 4800 Environmental & Sustainability Studies Internship  
 \*ENVST 5554 Capstone: Climate & Energy

## CAREER OUTLOOK

Educator

### Electives

(select seven courses)  
 ANTH 4186 Human Ecology (BF, SF)  
 ATMOS 3200/GEOG 3280 Mountain Weather & Climate  
 \*ATMOS 5000 Introduction to Atmospheric Science (QI)  
 \*ATMOS 5140 Physical Meteorology II: Atmos. Radiation (1.5 cr)  
 \*ATMOS 5270 Wind Power Meteorology (1.5 cr)  
 \*ATMOS 5400 The Climate System  
 BIOL 5440 Urban Ecology  
 \*CHEM 1210/1215 General Chemistry & Lab I (SF)  
 CHEM 5640 Material Chemistry for Alternative Energy (2 cr)  
 CMP 4710 Intro to Transportation Planning  
 COMM 3115 Communicating Health, Science, Environment  
 COMM 5360 Environmental Communication  
 COMM 5365 Communicating Climate Change  
 ECON 3250 Introduction to Natural Resource Economics  
 \*ECON 5250 Environmental & Natural Resource Economics  
 ECON 5260 Energy Policy Options for Utah  
 ENGL 5080 Environmental Literature  
 ENVST 3280 Organic Gardening (AS)  
 \*ENVST 3390 Sustainable Streams and Riparian Zones  
 \*ENVST 3720 Environmental Health Disparities  
 FCS/PSY 3620 Environmental Psych & Sustainability  
 FCS 5450 Nonprofit Community Organizations  
 FCS 5730 Community and Environmental Change  
 \*GEO 3800 The Oceans (SF)  
 \*GEOG 3215 Climate Change Impact, Adaptation & Mitigation  
 GEOG 3368 Energy Choices for 21st Century (SF)  
 GEOG 5205 Regional and Global Climates (SF)  
 \*GEOG 5275 Vegetation & Climate Change  
 GEOG 5410 Paleoclimatology  
 GEOG 5435 The Oceans and Us  
 HEDU 3700 Environmental Health  
 HIST 4380 US Environmental History (HF)  
 HIST 4860 Environmental History of China  
 \*HONOR 3215 Global Environmental Change  
 \*MATH 1210 Calculus I (QR)  
 \*MATH 1220 Calculus II (QR)  
**POLS 5540 Nonprofit Advocacy**  
 PHIL 3310 Science & Society (HF)

## Political Science Minor

Minor Requirements: All courses must be taken for a letter grade with a minimum cumulative GPA of 2.0. A grade of C- or higher must be earned in required POLS courses. Minimum credit hours 18.

### Required Introductory Courses (choose two for a total of 6 credit hours):

- POLS 1100 US National Government (3, AI)
- POLS 2100 Introduction to International Relations (3, BF)
- POLS 2200 Introduction to Comparative Politics (3, BF)
- POLS 2300 Introduction to Political Theory (3, HF)

### Political Science Upper Division Electives\* (12 credit hours, 3000 level or higher):

- POLS **POLS 5322 – Environmental Policy**
- POLS **POLS 3001 – Political Analysis**
- POLS **POLS 5001 – Quantitative Analysis in POLS**
- POLS **POLS 5540 – Nonprofit Advocacy**

For a full list of courses and descriptions, visit: [catalog.utah.edu](http://catalog.utah.edu) or see an advisor for more details.

\*A maximum of three internship credit hours may be used towards this requirement.

### Political Science Advising Team

Madalyn Smith, Lead Advisor: [madalyn.smith@csbs.utah.edu](mailto:madalyn.smith@csbs.utah.edu)  
 Tracey Farnsworth, Academic Advising Coordinator: [tracey.farnsworth@utah.edu](mailto:tracey.farnsworth@utah.edu)



# ENVST CLIMATE & ENERGY WITH GLOBAL CITIZENSHIP MINOR

## Global Citizenship Minor

**ENVST/GEOG 3210** Global Climate Change (SF)

**\*ENVST 3364** Challenges to Global Sustainability (IR)

**\*ENVST 3365** Environmental Justice (DV)

**POLS 5322** Environmental Policy

**Statistics Courses** (select one)

**\*ATMOS 5040** Environmental Statistics (QI)

**\*COMM 3710** Intro to Quantitative Comm. Research (QI)

**CMP 4010** Field Studies in Urban Ecology (QI)

**\*ECON 3640** Probability & Statistics for Economists (QI, QB)

**\*GEOG 3020** Geographic Analysis (QI, QB)

**\*MATH 3070** Applied Statistics (QI, QB)

**\*POLS 5001** Quantitative Analysis in Political Science (QI)

**SOC 3112** Social Statistics (QI, QB)

**Writing Courses** (select one)

**COMM 4650** Environmental Reporting (CW)

**CMP 4260** Land, Law, & Culture (CW)

**\*GEOG 3/5270** Global Patterns of Life (CW, SF)

**\*HONOR 3200** Writing in a Research University (CW)

**\*MGT 3810** Business & Professional Communication (CW)

**WRWG 3014** Scientific Writing (CW)

**WRWG 3420** Environmental Writing (CW, HF)

**Methods Courses** (select one)

**ATMOS 5050** Environmental Instrumentation (2 cr)

**\*CMP 4450** GIS for Urban Ecologists (QI)

**\*ECON 4650** Econometrics (QI)

**\*GEOG 3100** Introduction to GIS & Cartography (QI) (5cr)

**POLS 3001** Political Analysis (QI, QB)

**SOC 3111** Research Methods (CW)

**To Be Completed in Your Last Year**

**\*ENVST 4800** Environmental & Sustainability Studies Internship

**\*ENVST 5554** Capstone: Climate & Energy

## CAREER OUTLOOK

Educator

Climate change activist

Climate change researcher

Policy Maker

Energy Auditor



**Electives** (select seven courses)

**ANTH 4186** Human Ecology (BF, SF)

**ATMOS 3200/GEOG 3280** Mountain Weather & Climate

**\*ATMOS 5000** Introduction to Atmospheric Science (C)

**\*ATMOS 5140** Physical Meteorology II: Atmos. Radiat.

**\*ATMOS 5270** Wind Power Meteorology (1.5 cr)

**\*ATMOS 5400** The Climate System

**BIOL 5440** Urban Ecology

**\*CHEM 1210/1215** General Chemistry & Lab I (SF)

**CHEM 5640** Material Chemistry for Alternative Energy

**CMP 4710** Intro to Transportation Planning

**COMM 3115** Communicating Health, Science, Environ

**COMM 5360** Environmental Communication

**COMM 5365** Communicating Climate Change

**ECON 3250** Introduction to Natural Resource Econo

**\*ECON 5250** Environmental & Natural Resource Econo

**ECON 5260** Energy Policy Options for Utah

**ENGL 5080** Environmental Literature

**ENVST 3280** Organic Gardening (AS)

**\*ENVST 3390** Sustainable Streams and Riparian Zones

**\*ENVST 3720** Environmental Health Disparities

**FCS/PSY 3620** Environmental Psych & Sustainability

**FCS 5450** Nonprofit Community Organizations

**FCS 5730** Community and Environmental Change

**\*GEO 3800** The Oceans (SF)

**\*GEOG 3215** Climate Change Impact, Adaptation & M

**GEOG 3368** Energy Choices for 21st Century (SF)

**GEOG 5205** Regional and Global Climates (SF)

**\*GEOG 5275** Vegetation & Climate Change

**GEOG 5410** Paleoclimatology

**GEOG 5435** The Oceans and Us

**H EDU 3700** Environmental Health

**HIST 4380** US Environmental History (HF)

**HIST 4860** Environmental History of China

**\*HONOR 3215** Global Environmental Change

**\*MATH 1210** Calculus I (QR)

**\*MATH 1220** Calculus II (QR)

**POLS 5540** Nonprofit Advocacy

**PHIL 3310** Science & Society (HF)

**PHIL 3530** Environmental Ethics (HF)

**PHIL 5530** Environmental Philosophy (HF)

**\*PHYS 2010/2015** General Physics & Lab I (SF)

**\*PHYS 2210/2215** Physics for Scientists & Engineers &

**\*PHYS 2220/2225** Physics for Scientists & Engineers &

**\*PHYS 3150** Energy & Sustainability (IR)

**SOC 3480** Environmental Sociology (IR)

## REQUIRED CORE (choose one)

3 credits

**UGS 2230** Block U: Global Citizenship

**UGS 2235** Block U: Global Citizenship

## LANGUAGE COURSES

6 - 8 credits

<input type="checkbox"/>
<input type="checkbox"/>

Complete two language courses at any level, taught in the target language:

8 credits of lower-division language OR

6 credits of upper-division language

## ELECTIVES

9 credits

**ENVST/GEOG 3210**

**ENVST 3364 (IR)**

**GEOG 3205, PHYS 3150 or**

**SOC 3480**

Complete 9 credits of approved elective courses. No more than two courses may come from a single track (FF, HF, AS, SF, BF, DV, CW, IR, QI).

\*See International Studies website or advisor for full list

# ENVST CLIMATE & ENERGY WITH SOCIOLOGY MINOR

## Sociology Minor

### Statistics Courses (select one)

- \*ATMOS 5040 Environmental Statistics (QI)
- \*COMM 3710 Intro to Quantitative Comm. Research (QI)
- CMP 4010 Field Studies in Urban Ecology (QI)
- \*ECON 3640 Probability & Statistics for Economists (QI, QB)
- \*GEOG 3020 Geographic Analysis (QI, QB)
- \*MATH 3070 Applied Statistics (QI, QB)
- \*POLS 5001 Quantitative Analysis in Political Science (QI)
- SOC 3112 Social Statistics (QI, QB)**

### Writing Courses (select one)

- COMM 4650 Environmental Reporting (CW)
- CMP 4260 Land, Law, & Culture (CW)
- \*GEOG 3/5270 Global Patterns of Life (CW, SF)
- \*HONOR 3200 Writing in a Research University (CW)
- \*MGT 3810 Business & Professional Communication (CW)
- WRTG 3014 Scientific Writing (CW)
- WRTG 3420 Environmental Writing (CW, HF)

### Methods Courses (select one)

- ATMOS 5050 Environmental Instrumentation (2 cr)
- \*CMP 4450 GIS for Urban Ecologists (QI)
- \*ECON 4650 Econometrics (QI)
- \*GEOG 3100 Introduction to GIS & Cartography (QI) (5cr)
- POLS 3001 Political Analysis (QI, QB)
- SOC 3111 Research Methods (CW)**

### To Be Completed in Your Last Year

- \*ENVST 4800 Environmental & Sustainability Studies Internship
- \*ENVST 5554 Capstone: Climate & Energy

## CAREER OUTLOOK

- Educator
- Climate change activist
- Climate change researcher
- Policy Maker
- Energy Auditor

## SCHOOL SIBS

- ATMOS 3200/GEOG 3280 Mountain Weather & Climate
- \*ATMOS 5000 Introduction to Atmospheric Science (QI)
- \*ATMOS 5140 Physical Meteorology II: Atmos. Radiation (1.5 cr)
- \*ATMOS 5270 Wind Power Meteorology (1.5 cr)
- \*ATMOS 5400 The Climate System
- BIOL 5440 Urban Ecology
- \*CHEM 1210/1215 General Chemistry & Lab I (SF)
- CHEM 5640 Material Chemistry for Alternative Energy (2 cr)
- CMP 4710 Intro to Transportation Planning
- COMM 3115 Communicating Health, Science, Environment
- COMM 5360 Environmental Communication
- COMM 5365 Communicating Climate Change
- ECON 3250 Introduction to Natural Resource Economics
- \*ECON 5250 Environmental & Natural Resource Economics
- ECON 5260 Energy Policy Options for Utah
- ENGL 5080 Environmental Literature
- ENVST 3280 Organic Gardening (AS)
- \*ENVST 3390 Sustainable Streams and Riparian Zones
- \*ENVST 3720 Environmental Health Disparities
- FCS/PSY 3620 Environmental Psych & Sustainability
- FCS 5450 Nonprofit Community Organizations
- FCS 5730 Community and Environmental Change
- \*GEO 3800 The Oceans (SF)
- \*GEOG 3215 Climate Change Impact, Adaptation & Mitigation
- GEOG 3368 Energy Choices for 21st Century (SF)
- GEOG 5205 Regional and Global Climates (SF)
- \*GEOG 5275 Vegetation & Climate Change
- GEOG 5410 Paleoclimatology
- GEOG 5435 The Oceans and Us
- H EDU 3700 Environmental Health
- HIST 4380 US Environmental History (HF)
- HIST 4860 Environmental History of China
- \*HONOR 3215 Global Environmental Change
- \*MATH 1210 Calculus I (QR)
- \*MATH 1220 Calculus II (QR)
- POLS 5540 Nonprofit Advocacy
- PHIL 3310 Science & Society (HF)
- PHIL 3530 Environmental Ethics (HF)
- PHIL 5530 Environmental Philosophy (HF)
- \*PHYS 2010/2015 General Physics & Lab I (SF)
- \*PHYS 2210/2215 Physics for Scientists & Engineers & Lab I (SF)
- \*PHYS 2220/2225 Physics for Scientists & Engineers & Lab II (SF)
- \*PHYS 3150 Energy & Sustainability (IR)
- SOC 3480 Environmental Sociology (IR)**

### SOCIOLOGY CORE

7 CREDITS

SOC 1010 INTRO TO SOCIOLOGY (4)

SOC 3140 SOCIAL THEORY (3)

-OR-

SOC 3111 RESEARCH METHODS (3)

### SOCIOLOGY ELECTIVE COURSES

12 CREDITS

(3000+) **SOC 3480 – Environmental Sociology**

(3000+) **SOC 3112 – Social Statistics (QI, QB)**

**ELECTIVE HOURS:** SOCIOLOGY MINORS ARE REQUIRED TO COMPLETE A MINIMUM OF 12 CREDIT HOURS IN ELECTIVE SOCIOLOGY CLASSES, OF WHICH AT LEAST 6 CREDIT HOURS MUST BE UPPER DIVISION. (3000 LEVEL OR ABOVE) ELECTIVE HOURS CAN INCLUDE INTERNSHIP COURSES (SOC 3393, SOC 3593), SENIOR THESIS COURSES (SOC 3877, SOC4877) BUT **NOT** INDEPENDENT STUDY COURSES.

# ENVST CLIMATE & ENERGY WITH LEADERSHIP STUDIES MINOR

## Leadership Studies Minor

### Statistics Courses (select one)

- \*ATMOS 5040 Environmental Statistics (QI)
- \*COMM 3710 Intro to Quantitative Comm. Research (QI)
- CMP 4010 Field Studies in Urban Ecology (QI)
- \*ECON 3640 Probability & Statistics for Economists (QI, QB)
- \*GEOG 3020 Geographic Analysis (QI, QB)
- \*MATH 3070 Applied Statistics (QI, QB)
- \*POLS 5001 Quantitative Analysis in Political Science (QI)
- SOC 3112 Social Statistics (QI, QB)

### Writing Courses (select one)

- COMM 4650 Environmental Reporting (CW)
- CMP 4260 Land, Law, & Culture (CW)
- \*GEOG 3/5270 Global Patterns of Life (CW, SF)
- \*HONOR 3200 Writing in a Research University (CW)
- \*MGT 3810 Business & Professional Communication (CW)
- WRTG 3014 Scientific Writing (CW)
- WRTG 3420 Environmental Writing (CW, HF)

### Methods Courses (select one)

- ATMOS 5050 Environmental Instrumentation (2 cr)
- \*CMP 4450 GIS for Urban Ecologists (QI)
- \*ECON 4650 Econometrics (QI)
- \*GEOG 3100 Introduction to GIS & Cartography (QI) (5cr)
- POLS 3001 Political Analysis (QI, QB)
- SOC 3111 Research Methods (CW)

### To Be Completed in Your Last Year

- \*ENVST 4800 Environmental & Sustainability Studies Internship
- \*ENVST 5554 Capstone: Climate & Energy

## CAREER OUTLOOK

Educator  
Climate change activist  
Climate change researcher

### Environmental Science Courses

- ATMOS 3200/GEOG 3280 Mountain Weather & Climate
- \*ATMOS 5000 Introduction to Atmospheric Science (QI)
- \*ATMOS 5140 Physical Meteorology II: Atmos. Radiation (
- \*ATMOS 5270 Wind Power Meteorology (1.5 cr)
- \*ATMOS 5400 The Climate System
- BIOL 5440 Urban Ecology
- \*CHEM 1210/1215 General Chemistry & Lab I (SF)
- CHEM 5640 Material Chemistry for Alternative Energy (2 c
- CMP 4710 Intro to Transportation Planning
- COMM 3115 Communicating Health, Science, Environme
- COMM 5360 Environmental Communication
- COMM 5365 Communicating Climate Change
- ECON 3250 Introduction to Natural Resource Economics
- \*ECON 5250 Environmental & Natural Resource Econom
- ECON 5260 Energy Policy Options for Utah
- ENGL 5080 Environmental Literature
- ENVST 3280 Organic Gardening (AS)
- \*ENVST 3390 Sustainable Streams and Riparian Zones
- \*ENVST 3720 Environmental Health Disparities
- FCS/PSY 3620 Environmental Psych & Sustainability
- FCS 5450 Nonprofit Community Organizations
- FCS 5730 Community and Environmental Change
- \*GEO 3800 The Oceans (SF)
- \*GEOG 3215 Climate Change Impact, Adaptation & Mitig
- GEOG 3368 Energy Choices for 21st Century (SF)
- GEOG 5205 Regional and Global Climates (SF)
- \*GEOG 5275 Vegetation & Climate Change
- GEOG 5410 Paleoclimatology
- GEOG 5435 The Oceans and Us
- H EDU 3700 Environmental Health
- HIST 4380 US Environmental History (HF)
- HIST 4860 Environmental History of China
- \*HONOR 3215 Global Environmental Change
- \*MATH 1210 Calculus I (QR)
- \*MATH 1220 Calculus II (QR)
- POLS 5540 Nonprofit Advocacy
- PHIL 3310 Science & Society (HF)
- PHIL 3530 Environmental Ethics (HF)
- PHIL 5530 Environmental Ethics (HF)

### Required Courses:

- LDRSP 2020 – Foundations in Leadership (3)
- LDRSP 4100 – Leadership Minor Practicum (4)
- LDRSP 4750 – Leadership Capstone (3)

### Category I – must choose 1 course:

- PHIL 3530 – Environmental Ethics (3)

### Category II – must choose 1 course:

- See Leadership website for complete options list

### Category III – must choose 1 course:

- MGT 3810 – Business and Professional Communication (CW) (3)

\*See website or advisor for full list at: [leadershipstudies.utah.edu](http://leadershipstudies.utah.edu)

# ENVST FOOD SYSTEMS AND COMMUNITY RESILIENCE WITH ANTHROPOLOGY MINOR

## Anthropology Minor

### REQUIRED CLASSES

ENVST 2000 Field Experience: Environment and Sustainability  
 ENVST 2050 Introduction to Environmental Science (SF)  
 ENVST 2100 Introduction to Environmental & Sustainability Studies (BF)  
*These three courses are pre-requisites for the upper division ENVST courses*

ENVST/GEOG 3210 Global Climate Change (SF)  
 \*ENVST 3364 Challenges to Global Sustainability (IR)  
 \*ENVST 3365 Environmental Justice (DV)  
 POLS 5322 Environmental Policy

**Statistics Courses** (select one)  
 \*COMM 3710 Intro to Quantitative Comm. Research (QI)  
 CMP 4010 Field Studies in Urban Ecology (QI)  
 \*FCS 3210 Statistics in Family & Consumer Studies (QI, QB)  
 \*GEOG 3020 Geographic Analysis (QI, QB)  
 \*POLS 5001 Quantitative Analysis in Political Science (QI)  
 SOC 3112 Social Statistics (QI, QB)

**Writing Courses** (select one)  
 COMM 4650 Environmental Reporting (CW)  
 CMP 4260 Land, Law, and Culture (CW)  
 \*GEOG 3400 Population Geography (CW)  
 \*HONOR 3200 Writing in a Research University  
 \*MGT 3810 Business and Professional Communication (CW)  
 WRTG 3012 Writing in the Social Sciences (CW)  
 WRTG 3014 Scientific Writing (CW)  
 WRTG 3420 Environmental Writing (CW and HF)

**Methods Courses** (select one)  
 \*ANTH 4334 Population Issues in Anthropology (QI, QB)



### Electives

(select seven courses)  
 ANTH 4186 Human Ecology  
 ANTH 4339 Humans in the World of Plants  
 ANTH 4340 Paleoethnobotany  
 BIOL 1330 Plants & Society (AS)  
 \*BIOL 2010 Evolution & Diversity of Life  
 \*BIOL 3410 Ecology & Evolution  
 \*BIOL 3450 Rainforest Ecology & Conservation (IR, SF)  
 BIOL 3470 Conservation Biology (AS)  
 BIOL 3710 Biology, Society & Public Engagement  
 \*BIOL 5460 Plant Ecology in a Changing World  
 CHEM 1020 The Science of Food & Cooking (SF)  
 \*CHEM 1210/1215 General Chemistry & Lab I (SF)  
 CMP 2010 Design Ecologies (BF)  
 CMP 3200 Ecology of Human Settlements  
 COMM 5360 Environmental Communication  
 ECON 3250 Intro to Environmental & Natural Resource Economic  
 ENGL 5080 Environmental Literature  
 ENVST 3280 Organic Gardening (AS)  
 \*ENVST 3390 Sustainable Streams & Riparian Zones  
 ENVST 3720 Environmental Health Disparities

Course #	Title	Sem/Year	Grade	Credit Hours
<b>Required:</b>				
1010	Culture and the Human Experience [BF}	/		
<b>Choose <u>one</u> of the following:</b>				
1020	Human Origins: Evolution & Diversity [SF]	/		
1030	World Prehistory: An Introduction (Archaeology) [BF]	/		
1050	Evolution of Human Nature [SF]	/		
<b>12 Additional hours required: (6 hours at 3000 level or above-<i>limited summer offerings</i>)</b>				
4186	Human Ecology	/		
4334	Population Issues in ANTH (QI, QB)	/		
4340	Paleoethnobotany	/		
4339	Humans in the World of Plants	/		
<b>TOTAL HOURS -- Minimum of 18 semester credit hours</b> (A minimum of 12 semester credit hours taken at the U of U)				

*Please note:* You must earn a grade of "C" or better for courses to count towards your minor.

# ENVST FOOD SYSTEMS AND COMMUNITY RESILIENCE WITH NUTRITION MINOR

## Nutrition Minor

ENVST/GEORG 3210 Global Climate Change (SF)  
 \*ENVST 3364 Challenges to Global Sustainability (IR)  
 \*ENVST 3365 Environmental Justice (DV)  
 POLS 5322 Environmental Policy

### Statistics Courses (select one)

\*COMM 3710 Intro to Quantitative Comm. Research (QI)  
 CMP 4010 Field Studies in Urban Ecology (QI)  
 \*FCS 3210 Statistics in Family & Consumer Studies (QI, QB)  
 \*GEOG 3020 Geographic Analysis (QI, QB)  
 \*POLS 5001 Quantitative Analysis in Political Science (QI)  
 SOC 3112 Social Statistics (QI, QB)

### Writing Courses (select one)

COMM 4650 Environmental Reporting (CW)  
 CMP 4260 Land, Law, and Culture (CW)  
 \*GEOG 3400 Population Geography (CW)  
 \*HONOR 3200 Writing in a Research University  
 \*MGT 3810 Business and Professional Communication (CW)  
 WRTG 3012 Writing in the Social Sciences (CW)  
 WRTG 3014 Scientific Writing (CW)  
 WRTG 3420 Environmental Writing (CW and HF)

### Methods Courses (select one)

\*ANTH 4334 Population Issues in Anthropology (QI, QB)  
 BIOL 2355 Field Botany (2cr)  
 \*CMP 4450 GIS for Urban Ecologists (QI)  
 FCS 3200 Research Methods in Family & Consumer Studies  
 \*GEOG 3100 Introduction to GIS & Cartography (QI) (5cr)  
 \*POLS 3001 Political Analysis (QI, QB)  
 SOC 3111 Research Methods (CW)

### To Be Completed in Your Last Year

\*ENVST 4800 Environmental & Sustainability Studies Internship  
 \*ENVST 5558 Capstone: Eating for Health, Justice & Sustainability



### Electives (select seven courses)

ANTH 4186 Human Ecology  
 ANTH 4339 Humans in the World of Plants  
 ANTH 4340 Paleoethnobotany  
 BIOL 1330 Plants & Society (AS)  
 \*BIOL 2010 Evolution & Diversity of Life  
 \*BIOL 3410 Ecology & Evolution  
 \*BIOL 3450 Rainforest Ecology & Conservation (IR, SF)  
 BIOL 3470 Conservation Biology (AS)  
 BIOL 3710 Biology, Society & Public Engagement  
 \*BIOL 5460 Plant Ecology in a Changing World  
 CHEM 1020 The Science of Food & Cooking (SF)  
 \*CHEM 1210/1215 General Chemistry & Lab I (SF)  
 CMP 2010 Design Ecologies (BF)  
 CMP 3200 Ecology of Human Settlements  
 COMM 5360 Environmental Communication  
 ECON 3250 Intro to Environmental & Natural Resource Economi  
 ENGL 5080 Environmental Literature  
 ENVST 3280 Organic Gardening (AS)  
 \*ENVST 3390 Sustainable Streams & Riparian Zones  
 ENVST 3720 Environmental Health Disparities  
 FCS/PSY 3620 Environmental Psychology & Sustainability  
 FCS 5450 Nonprofit Community Organizations  
 FCS 5630 Healthy Communities  
 FCS 5730 Community and Environmental Change  
 H EDU 4180 Community-Based Prevention Practices in Health  
 Promotion & Education  
 \*HONOR 3215 Global Environmental Change  
 NUIP 1020 Scientific Foundations of Human Nutr. & Health (AS)  
 NUIP 3220 Food Communication (BF)  
 NUIP 3620 Cultural Aspects of Food (IR)  
 PHIL 3310 Science & Society (HF)

### Prerequisites

Course Number	Course Title	Credit Hours
BIO 1210 or AP Bio	Principles of Biology	4

### Core Courses

Course Number	Course Title	Credit Hours
NUIP 1020	<u>Scientific Foundations of Nutrition &amp; Health</u>	3
AND		
NUIP 4440	Advanced Human Nutrition	4

### Electives

Select minimum of 9 credit hours.

Course Number	Course Title	Credit Hours	Offered
NUIP 3620	<u>Cultural Aspects of Food</u>	3	F/S/SU
NUIP 3850	<u>Special Projects: 1020 Foods Lab (spanish).(permission required)</u>	1	F/S
NUIP 5100	<u>Pediatric Nutrition</u>	3	S
NUIP 5320	Nutrition for Exercise and Sport	3	F/S
NUIP 5350	<u>Eating Disorders: Prevention and Treatment (HEDU will not count)</u>	3	SU
NUIP 5360	<u>Weight Management</u>	3	F/S/SU
NUIP 5420	<u>Applied Nutrition through the Life Cycle</u>	3	F/S/SU
NUIP 6440	Macronutrient Metabolism (permission required)	4	F

# ENVST FOOD SYSTEMS & COMMUNITY RESILIENCE WITH POLITICAL SCIENCE MINOR



ENVST/GEOG 3210 Global Climate Change (SF)  
 \*ENVST 3364 Challenges to Global Sustainability (IR)  
 \*ENVST 3365 Environmental Justice (DV)  
**POLS 5322 Environmental Policy**

**Statistics Courses (select one)**  
 \*COMM 3710 Intro to Quantitative Comm. Research (QI)  
 CMP 4010 Field Studies in Urban Ecology (QI)  
 \*FCS 3210 Statistics in Family & Consumer Studies (QI, QB)  
 \*GEOG 3020 Geographic Analysis (QI, QB)  
**\*POLS 5001 Quantitative Analysis in Political Science (QI)**  
 SOC 3112 Social Statistics (QI, QB)

**Writing Courses (select one)**  
 COMM 4650 Environmental Reporting (CW)  
 CMP 4260 Land, Law, and Culture (CW)  
 \*GEOG 3400 Population Geography (CW)  
 \*HONOR 3200 Writing in a Research University  
 \*MGT 3810 Business and Professional Communication (CW)  
 WRTG 3012 Writing in the Social Sciences (CW)  
 WRTG 3014 Scientific Writing (CW)  
 WRTG 3420 Environmental Writing (CW and HF)

**Methods Courses (select one)**  
 \*ANTH 4334 Population Issues in Anthropology (QI, QB)  
 BIOL 2355 Field Botany (2cr)  
 \*CMP 4450 GIS for Urban Ecologists (QI)  
 FCS 3200 Research Methods in Family & Consumer Studies  
 \*GEOG 3100 Introduction to GIS & Cartography (QI) (Scr)  
**\*POLS 3001 Political Analysis (QI, QB)**  
 SOC 3111 Research Methods (CW)

## To Be Completed in Your Last Year

\*ENVST 4800 Environmental & Sustainability Studies Internship  
 \*ENVST 5558 Capstone: Eating for Health, Justice & Sustainability

## CAREER OUTLOOK

Educator: Environmental, Secondary & Post-Secondary  
 City, State or Federal Regulator  
 Lawyer/Public Policy Specialist

## Electives (select seven courses)

ANTH 4186 Human Ecology  
 ANTH 4339 Humans in the World of Plants  
 ANTH 4340 Paleoethnobotany  
 BIOL 1330 Plants & Society (AS)  
 \*BIOL 2010 Evolution & Diversity of Life  
 \*BIOL 3410 Ecology & Evolution  
 \*BIOL 3450 Rainforest Ecology & Conservation (IR, SF)  
 BIOL 3470 Conservation Biology (AS)  
 BIOL 3710 Biology, Society & Public Engagement  
 \*BIOL 5460 Plant Ecology in a Changing World  
 CHEM 1020 The Science of Food & Cooking (SF)  
 \*CHEM 1210/1215 General Chemistry & Lab I (SF)  
 CMP 2010 Design Ecologies (BF)  
 CMP 3200 Ecology of Human Settlements  
 COMM 5360 Environmental Communication  
 ECON 3250 Intro to Environmental & Natural Resource Econ  
 ENGL 5080 Environmental Literature  
 ENVST 3280 Organic Gardening (AS)  
 \*ENVST 3390 Sustainable Streams & Riparian Zones  
 ENVST 3720 Environmental Health Disparities  
 FCS/PSY 3620 Environmental Psychology & Sustainability  
 FCS 5450 Nonprofit Community Organizations  
 FCS 5630 Healthy Communities  
 FCS 5730 Community and Environmental Change  
 H EDU 4180 Community-Based Prevention Practices in He-  
 Promotion & Education  
 \*HONOR 3215 Global Environmental Change  
 NUIP 1020 Scientific Foundations of Human Nutr. & Health  
 NUIP 3220 Food Communication (BF)  
 NUIP 3620 Cultural Aspects of Food (IR)  
 PHIL 3310 Science & Society (HF)  
 PHIL 3530 Environmental Ethics (HF)  
 PHIL 5530 Environmental Philosophy (HF)  
**POLS 3026 Civic Engagement & Social Change**  
**POLS 3320 Intro to Public Policy Analysis**  
**POLS 5321 Health Policy**  
**POLS 5540 Nonprofit Advocacy**  
 PSY 2410 Eat, Work, Play, Sleep – Psychology of Everyday Life

## Political Science Minor

Minor Requirements: All courses must be taken for a letter grade with a minimum cumulative GPA of 2.0. A grade of C- or higher must be earned in required POLS courses. Minimum credit hours 18.

### Required Introductory Courses (choose two for a total of 6 credit hours):

- POLS 1100 US National Government (3, AI)
- POLS 2100 Introduction to International Relations (3, BF)
- POLS 2200 Introduction to Comparative Politics (3, BF)
- POLS 2300 Introduction to Political Theory (3, HF)

### Political Science Upper Division Electives\* (12 credit hours, 3000 level or higher):

- POLS **POLS 5322 – Environmental Policy**
- POLS **POLS 3001 – Political Analysis**
- POLS **POLS 5001 – Quantitative Analysis in POLS**
- POLS **POLS 5321, 3026, 5540 or 3320**

For a full list of courses and descriptions, visit: [catalog.utah.edu](http://catalog.utah.edu) or see an advisor for more details.

\*A maximum of three internship credit hours may be used towards this requirement.

### Political Science Advising Team

Madalyn Smith, Lead Advisor: [madalyn.smith@csbs.utah.edu](mailto:madalyn.smith@csbs.utah.edu)  
 Tracey Farnsworth, Academic Advising Coordinator: [tracey.farnsworth@utah.edu](mailto:tracey.farnsworth@utah.edu)





# ENVST FOOD SYSTEMS & COMMUNITY RESILIENCE WITH GLOBAL CITIZENSHIP MINOR



## Global Citizenship Minor

- ENVST/GEOG 3210 Global Climate Change (SF)
- \*ENVST 3364 Challenges to Global Sustainability (IR)
- \*ENVST 3365 Environmental Justice (DV)
- POLS 5322 Environmental Policy

### Statistics Courses (select one)

- \*COMM 3710 Intro to Quantitative Comm. Research (QI)
- CMP 4010 Field Studies in Urban Ecology (QI)
- \*FCS 3210 Statistics in Family & Consumer Studies (QI, QB)
- \*GEOG 3020 Geographic Analysis (QI, QB)
- \*POLS 5001 Quantitative Analysis in Political Science (QI)
- SOC 3112 Social Statistics (QI, QB)

### Writing Courses (select one)

- COMM 4650 Environmental Reporting (CW)
- CMP 4260 Land, Law, and Culture (CW)
- \*GEOG 3400 Population Geography (CW)
- \*HONOR 3200 Writing in a Research University
- \*MGT 3810 Business and Professional Communication (CW)
- WRTG 3012 Writing in the Social Sciences (CW)
- WRTG 3014 Scientific Writing (CW)
- WRTG 3420 Environmental Writing (CW and HF)

### Methods Courses (select one)

- \*ANTH 4334 Population Issues in Anthropology (QI, QB)
- BIOL 2355 Field Botany (2cr)
- \*CMP 4450 GIS for Urban Ecologists (QI)
- FCS 3200 Research Methods in Family & Consumer Studies
- \*GEOG 3100 Introduction to GIS & Cartography (QI) (5cr)
- \*POLS 3001 Political Analysis (QI, QB)
- SOC 3111 Research Methods (CW)

### To Be Completed in Your Last Year

- \*ENVST 4800 Environmental & Sustainability Studies Internship
- \*ENVST 5558 Capstone: Eating for Health, Justice & Sustainability

## CAREER OUTLOOK

Educator: Environmental, Secondary & Post-Secondary  
 City, State or Federal Regulator  
 Lawyer/Public Policy Specialist  
 University Extension Specialist  
 Restoration Practitioner  
 Academic Scientist

### Electives (select seven courses)

- ANTH 4186 Human Ecology
- ANTH 4339 Humans in the World of Plants
- ANTH 4340 Paleoethnobotany
- BIOL 1330 Plants & Society (AS)
- \*BIOL 2010 Evolution & Diversity of Life
- \*BIOL 3410 Ecology & Evolution
- \*BIOL 3450 Rainforest Ecology & Conservation (IR, SF)
- BIOL 3470 Conservation Biology (AS)
- BIOL 3710 Biology, Society & Public Engagement
- \*BIOL 5460 Plant Ecology in a Changing World
- CHEM 1020 The Science of Food & Cooking (SF)
- \*CHEM 1210/1215 General Chemistry & Lab I (SF)
- CMP 2010 Design Ecologies (BF)
- CMP 3200 Ecology of Human Settlements
- COMM 5360 Environmental Communication
- ECON 3250 Intro to Environmental & Natural Resource Econo
- ENGL 5080 Environmental Literature
- ENVST 3280 Organic Gardening (AS)
- \*ENVST 3390 Sustainable Streams & Riparian Zones
- ENVST 3720 Environmental Health Disparities
- FCS/PSY 3620 Environmental Psychology & Sustainability
- FCS 5450 Nonprofit Community Organizations
- FCS 5630 Healthy Communities
- FCS 5730 Community and Environmental Change
- H EDU 4180 Community-Based Prevention Practices in Health Promotion & Education
- \*HONOR 3215 Global Environmental Change
- NUIP 1020 Scientific Foundations of Human Nutr. & Health (AS)
- NUIP 3220 Food Communication (BF)
- NUIP 3620 Cultural Aspects of Food (IR)
- PHIL 3310 Science & Society (HF)
- PHIL 3530 Environmental Ethics (HF)
- PHIL 5530 Environmental Philosophy (HF)
- POLS 3026 Civic Engagement & Social Change
- POLS 3320 Intro to Public Policy Analysis
- POLS 5321 Health Policy
- POLS 5540 Nonprofit Advocacy
- PSY 2410 Eat, Work, Play, Sleep – Psychology of Everyday Life
- SOC 3480 Environmental Sociology (IR)
- SOC 3486 Global Environmental Crisis
- SOC 3650 Population & Society (QI, QB, IR)

## REQUIRED CORE (choose one)

3 credits

- UGS 2230 Block U: Global Citizenship
- UGS 2235 Block U: Global Citizenship

## LANGUAGE COURSES

6 - 8 credits

<input type="checkbox"/>	
<input type="checkbox"/>	

Complete two language courses at any level, taught in the target language:  
 8 credits of lower-division language OR  
 6 credits of upper-division language

## ELECTIVES

9 credits

- |   |
|---|
| <input type="checkbox"/> ENVST/GEOG 3210                |
| <input type="checkbox"/> ENVST 3364 (IR)                |
| <input type="checkbox"/> GEOG 3400 (CW), SOC 3650 (IR), |
| <input type="checkbox"/> NUIP 3620 (IR), BIOL 3450 (IR) |
| OR SOC 3480 (IR)  |

Complete 9 credits of approved elective courses. No more than two courses may come from a single track (FF, HF, AS, SF, BF, DV, CW, IR, QI).

\*See International Studies website or advisor for full list

# ENVST FOOD SYSTEMS & COMMUNITY RESILIENCE WITH SOCIOLOGY MINOR

## Statistics Courses (select one)

- \*COMM 3710 Intro to Quantitative Comm. Research (QI)
- CMP 4010 Field Studies in Urban Ecology (QI)
- \*FCS 3210 Statistics in Family & Consumer Studies (QI, QB)
- \*GEOG 3020 Geographic Analysis (QI, QB)
- \*POLS 5001 Quantitative Analysis in Political Science (QI)
- SOC 3112 Social Statistics (QI, QB)**

## Writing Courses (select one)

- COMM 4650 Environmental Reporting (CW)
- CMP 4260 Land, Law, and Culture (CW)
- \*GEOG 3400 Population Geography (CW)
- \*HONOR 3200 Writing in a Research University
- \*MGT 3810 Business and Professional Communication (CW)
- WRTG 3012 Writing in the Social Sciences (CW)
- WRTG 3014 Scientific Writing (CW)
- WRTG 3420 Environmental Writing (CW and HF)

## Methods Courses (select one)

- \*ANTH 4334 Population Issues in Anthropology (QI, QB)
- BIOL 2355 Field Botany (2cr)
- \*CMP 4450 GIS for Urban Ecologists (QI)
- FCS 3200 Research Methods in Family & Consumer Studies
- \*GEOG 3100 Introduction to GIS & Cartography (QI) (5cr)
- \*POLS 3001 Political Analysis (QI, QB)
- SOC 3111 Research Methods (CW)**

## To Be Completed in Your Last Year

- \*ENVST 4800 Environmental & Sustainability Studies Internship
- \*ENVST 5558 Capstone: Eating for Health, Justice & Sustainability

## CAREER OUTLOOK

Educator: Environmental, Secondary & Post-Secondary  
City, State or Federal Regulator  
Lawyer/Public Policy Specialist  
University Extension Specialist  
Restoration Practitioner  
Agency or Academic Scientist

## Environmental Science

- ANTH 4339 Humans in the World of Plants
- ANTH 4340 Paleoethnobotany
- BIOL 1330 Plants & Society (AS)
- \*BIOL 2010 Evolution & Diversity of Life
- \*BIOL 3410 Ecology & Evolution
- \*BIOL 3450 Rainforest Ecology & Conservation (IR, SF)
- BIOL 3470 Conservation Biology (AS)
- BIOL 3710 Biology, Society & Public Engagement
- \*BIOL 5460 Plant Ecology in a Changing World
- CHEM 1020 The Science of Food & Cooking (SF)
- \*CHEM 1210/1215 General Chemistry & Lab I (SF)
- CMP 2010 Design Ecologies (BF)
- CMP 3200 Ecology of Human Settlements
- COMM 5360 Environmental Communication
- ECON 3250 Intro to Environmental & Natural Resource Economics
- ENGL 5080 Environmental Literature
- ENVST 3280 Organic Gardening (AS)
- \*ENVST 3390 Sustainable Streams & Riparian Zones
- ENVST 3720 Environmental Health Disparities
- FCS/PSY 3620 Environmental Psychology & Sustainability
- FCS 5450 Nonprofit Community Organizations
- FCS 5630 Healthy Communities
- FCS 5730 Community and Environmental Change
- HEDU 4180 Community-Based Prevention Practices in Health Promotion & Education
- \*HONOR 3215 Global Environmental Change
- NUIP 1020 Scientific Foundations of Human Nutr. & Health (AS)
- NUIP 3220 Food Communication (BF)
- NUIP 3620 Cultural Aspects of Food (IR)
- PHIL 3310 Science & Society (HF)
- PHIL 3530 Environmental Ethics (HF)
- PHIL 5530 Environmental Philosophy (HF)
- POLS 3026 Civic Engagement & Social Change
- POLS 3320 Intro to Public Policy Analysis
- POLS 5321 Health Policy
- POLS 5540 Nonprofit Advocacy
- PSY 2410 Eat, Work, Play, Sleep – Psychology of Everyday Life
- SOC 3480 Environmental Sociology (IR)**
- SOC 3486 Global Environmental Crisis**
- SOC 3650 Population & Society (QI, QB, IR)**

## Sociology Minor

### SOCIOLOGY CORE

7 CREDITS

SOC 1010 INTRO TO SOCIOLOGY (4)

SOC 3140 SOCIAL THEORY (3)

-OR-

SOC 3111 RESEARCH METHODS (3)

### SOCIOLOGY ELECTIVE COURSES

12 CREDITS

SOC 3480 – Environmental Sociology

SOC 3112 – Social Statistics (QI, QB)

(3000+) SOC 3650 – Population & Society (QI, QB, IR)

(3000+) SOC 3486 – Global Environmental Crisis

**ELECTIVE HOURS:** SOCIOLOGY MINORS ARE REQUIRED TO COMPLETE A MINIMUM OF 12 CREDIT HOURS IN ELECTIVE SOCIOLOGY CLASSES, OF WHICH AT LEAST 6 CREDIT HOURS MUST BE UPPER DIVISION. (3000 LEVEL OR ABOVE) ELECTIVE HOURS CAN INCLUDE INTERNSHIP COURSES (SOC 3393, SOC 3593), SENIOR THESIS COURSES (SOC 3877, SOC4877) BUT **NOT** INDEPENDENT STUDY COURSES.

# ENVST FOOD SYSTEMS & COMMUNITY RESILIENCE WITH LEADERSHIP STUDIES MINOR

## Leadership Studies Minor

### Statistics Courses (select one)

- \*COMM 3710 Intro to Quantitative Comm. Research (QI)
- CMP 4010 Field Studies in Urban Ecology (QI)
- \*FCS 3210 Statistics in Family & Consumer Studies (QI, QB)
- \*GEOG 3020 Geographic Analysis (QI, QB)
- \*POLS 5001 Quantitative Analysis in Political Science (QI, QB)
- SOC 3112 Social Statistics (QI, QB)

### Writing Courses (select one)

- COMM 4650 Environmental Reporting (CW)
- CMP 4260 Land, Law, and Culture (CW)
- \*GEOG 3400 Population Geography (CW)
- \*HONOR 3200 Writing in a Research University
- \*MGT 3810 Business and Professional Communication (CW)**
- WRITG 3012 Writing in the Social Sciences (CW)
- WRITG 3014 Scientific Writing (CW)
- WRITG 3420 Environmental Writing (CW and HF)

### Methods Courses (select one)

- \*ANTH 4334 Population Issues in Anthropology (QI, QB)
- BIOL 2355 Field Botany (2cr)
- \*CMP 4450 GIS for Urban Ecologists (QI)
- FCS 3200 Research Methods in Family & Consumer Studies
- \*GEOG 3100 Introduction to GIS & Cartography (QI) (5cr)
- \*POLS 3001 Political Analysis (QI, QB)
- SOC 3111 Research Methods (CW)

### To Be Completed in Your Last Year

- \*ENVST 4800 Environmental & Sustainability Studies Internship
- \*ENVST 5558 Capstone: Eating for Health, Justice & Sustainability

## CAREER OUTLOOK

### ANTH 4100 Human Ecology

- ANTH 4339 Humans in the World of Plants
- ANTH 4340 Paleoethnobotany
- BIOL 1330 Plants & Society (AS)
- \*BIOL 2010 Evolution & Diversity of Life
- \*BIOL 3410 Ecology & Evolution
- \*BIOL 3450 Rainforest Ecology & Conservation (IR, SF)
- BIOL 3470 Conservation Biology (AS)
- BIOL 3710 Biology, Society & Public Engagement
- \*BIOL 5460 Plant Ecology in a Changing World
- CHEM 1020 The Science of Food & Cooking (SF)
- \*CHEM 1210/1215 General Chemistry & Lab I (SF)
- CMP 2010 Design Ecologies (BF)
- CMP 3200 Ecology of Human Settlements
- COMM 5360 Environmental Communication
- ECON 3250 Intro to Environmental & Natural Resource Economics
- ENGL 5080 Environmental Literature
- ENVST 3280 Organic Gardening (AS)
- \*ENVST 3390 Sustainable Streams & Riparian Zones
- ENVST 3720 Environmental Health Disparities
- FCS/PSY 3620 Environmental Psychology & Sustainability
- FCS 5450 Nonprofit Community Organizations
- FCS 5630 Healthy Communities
- FCS 5730 Community and Environmental Change
- H EDU 4180 Community-Based Prevention Practices in Health Promotion & Education
- \*HONOR 3215 Global Environmental Change
- NUIP 1020 Scientific Foundations of Human Nutr. & Health (AS)
- NUIP 3220 Food Communication (BF)
- NUIP 3620 Cultural Aspects of Food (IR)
- PHIL 3310 Science & Society (HF)
- PHIL 3530 Environmental Ethics (HF)**
- PHIL 5530 Environmental Philosophy (HF)
- POLS 3026 Civic Engagement & Social Change

### Required Courses:

- LDRSP 2020 – Foundations in Leadership (3)
- LDRSP 4100 – Leadership Minor Practicum (4)
- LDRSP 4750 – Leadership Capstone (3)

### Category I – must choose 1 course:

- **PHIL 3530 – Environmental Ethics (3)**

### Category II – must choose 1 course:

- See Leadership website for complete options list

### Category III – must choose 1 course:

- **MGT 3810 – Business and Professional Communication (CW) (3)**

\*See website or advisor for full list at: [leadershipstudies.utah.edu](http://leadershipstudies.utah.edu)

# ENVST FOOD SYSTEMS & COMMUNITY RESILIENCE WITH GEOGRAPHY MINOR

## Geography Minor



### REQUIRED CLASSES

ENVST 2000 Field Experience: Environment and Sustainability  
 ENVST 2050 Introduction to Environmental Science (SF)  
 ENVST 2100 Introduction to Environmental & Sustainability Studies (BF)  
*These three courses are pre-requisites for the upper division ENVST courses*

**ENVST/GEOG 3210 Global Climate Change (SF)**  
 \*ENVST 3364 Challenges to Global Sustainability (IR)  
 \*ENVST 3365 Environmental Justice (DV)  
 POLS 5322 Environmental Policy

Statistics Courses (select one)  
 \*COMM 3710 Intro to Quantitative Comm. Research (QI)  
 CMP 4010 Field Studies in Urban Ecology (QI)  
 \*FCS 3210 Statistics in Family & Consumer Studies (QI, QB)  
**\*GEOG 3020 Geographic Analysis (QI, QB)**  
 \*POLS 5001 Quantitative Analysis in Political Science (QI)  
 SOC 3112 Social Statistics (QI, QB)

Writing Courses (select one)  
 COMM 4650 Environmental Reporting (CW)  
 CMP 4260 Land, Law, and Culture (CW)  
**\*GEOG 3400 Population Geography (CW)**  
 \*HONOR 3200 Writing in a Research University  
 \*MGT 3810 Business and Professional Communication (CW)  
 WRTG 3012 Writing in the Social Sciences (CW)  
 WRTG 3014 Scientific Writing (CW)  
 WRTG 3420 Environmental Writing (CW and HF)

Methods Courses (select one)  
 \*ANTH 4334 Population Issues in Anthropology (QI, QB)  
 BIOL 2355 Field Botany (2cr)  
 \*CMP 4450 GIS for Urban Ecologists (QI)  
 FCS 3200 Research Methods in Family & Consumer Studies  
**\*GEOG 3100 Introduction to GIS & Cartography (QI) (5cr)**  
 \*POLS 3001 Political Analysis (QI, QB)  
 SOC 3111 Research Methods (CW)

Electives (select seven courses)  
 ANTH 4186 Human Ecology  
 ANTH 4339 Humans in the World of Plants  
 ANTH 4340 Paleoethnobotany  
 BIOL 1330 Plants & Society (AS)  
 \*BIOL 2010 Evolution & Diversity of Life  
 \*BIOL 3410 Ecology & Evolution  
 \*BIOL 3450 Rainforest Ecology & Conservation (IR, SF)  
 BIOL 3470 Conservation Biology (AS)  
 BIOL 3710 Biology, Society & Public Engagement  
 \*BIOL 5460 Plant Ecology in a Changing World  
 CHEM 1020 The Science of Food & Cooking (SF)  
 \*CHEM 1210/1215 General Chemistry & Lab I (SF)  
 CMP 2010 Design Ecologies (BF)  
 CMP 3200 Ecology of Human Settlements  
 COMM 5360 Environmental Communication  
 ECON 3250 Intro to Environmental & Natural Resource Econom  
 ENGL 5080 Environmental Literature  
 ENVST 3280 Organic Gardening (AS)  
**\*ENVST 3390 Sustainable Streams & Riparian Zones**  
 ENVST 3720 Environmental Health Disparities  
 FCS/PSY 3620 Environmental Psychology & Sustainability  
 FCS 5450 Nonprofit Community Organizations  
 FCS 5630 Healthy Communities  
 FCS 5730 Community and Environmental Change  
 H EDU 4180 Community-Based Prevention Practices in Health  
 Promotion & Education  
 \*HONOR 3315 Global Environmental Change

Course Number and Title	Credit Hrs
<b>Required Courses</b>	
GEOG 1000 – Earth Environments and Global Change	3
GEOG 1400 – Human Geography	3
<b>GEOG 3100 – Introduction to GIS &amp; Cartography (Fall /+online Spring &amp; Summer)</b>	<b>5</b>
<b>Elective Courses—upper division courses ( ≥ 3000)</b>	
GEOG 3### – <b>Choose from: GEOG 3020, 3400, and/or</b>	
GEOG 3### – <b>3390</b>	
GEOG 3###	
<b>TOTAL COURSES (min. 6)</b>	
<b>TOTAL RESIDENCY HRS. (12 cr. hrs. at U of U Geog. Dept.)</b>	

All courses for the minor must be taken for a letter grade and completed with a C- or better

# ENVST FOOD SYSTEMS AND COMMUNITY RESILIENCE WITH URBAN ECOLOGY MINOR

## REQUIRED CLASSES

ENVST 2000 Field Experience: Environment and Sustainability  
 ENVST 2050 Introduction to Environmental Science (SF)  
 ENVST 2100 Introduction to Environmental & Sustainability Studies (BF)  
*These three courses are pre-requisites for the upper division ENVST courses*

ENVST/GEOG 3210 Global Climate Change (SF)  
 \*ENVST 3364 Challenges to Global Sustainability (IR)  
 \*ENVST 3365 Environmental Justice (DV)  
 POLS 5322 Environmental Policy

### Statistics Courses (select one)

\*COMM 3710 Intro to Quantitative Comm. Research (QI)  
**CMP 4010 Field Studies in Urban Ecology (QI)**  
 \*FCS 3210 Statistics in Family & Consumer Studies (QI, QB)  
 \*GEOG 3020 Geographic Analysis (QI, QB)  
 \*POLS 5001 Quantitative Analysis in Political Science (QI)  
 SOC 3112 Social Statistics (QI, QB)

### Writing Courses (select one)

COMM 4650 Environmental Reporting (CW)  
**CMP 4260 Land, Law, and Culture (CW)**  
 \*GEOG 3400 Population Geography (CW)  
 \*HONOR 3200 Writing in a Research University  
 \*MGT 3810 Business and Professional Communication (CW)  
 WRTG 3012 Writing in the Social Sciences (CW)  
 WRTG 3014 Scientific Writing (CW)  
 WRTG 3420 Environmental Writing (CW and HF)

### Methods Courses (select one)

\*ANTH 4334 Population Issues in Anthropology (QI, QB)  
 BIOL 2355 Field Botany (2cr)  
**\*CMP 4450 GIS for Urban Ecologists (QI)**  
 FCS 3200 Research Methods in Family & Consumer Studies  
 \*GEOG 3100 Introduction to GIS & Cartography (QI) (5cr)  
 \*POLS 3001 Political Analysis (QI, QB)  
 SOC 3111 Research Methods (CW)



### Electives (select seven courses)

ANTH 4186 Human Ecology  
 ANTH 4339 Humans in the World of Plants  
 ANTH 4340 Paleoethnobotany  
 BIOL 1330 Plants & Society (AS)  
 \*BIOL 2010 Evolution & Diversity of Life  
 \*BIOL 3410 Ecology & Evolution  
 \*BIOL 3450 Rainforest Ecology & Conservation (IR, SF)  
 BIOL 3470 Conservation Biology (AS)  
 BIOL 3710 Biology, Society & Public Engagement  
 \*BIOL 5460 Plant Ecology in a Changing World  
 CHEM 1020 The Science of Food & Cooking (SF)  
 \*CHEM 1210/1215 General Chemistry & Lab I (SF)  
**CMP 2010 Design Ecologies (BF)**  
**CMP 3200 Ecology of Human Settlements**  
 COMM 5360 Environmental Communication  
 ECON 3250 Intro to Environmental & Natural Resource Economics  
 ENGL 5080 Environmental Literature  
 ENVST 3280 Organic Gardening (AS)  
 \*ENVST 3390 Sustainable Streams & Riparian Zones  
 ENVST 3720 Environmental Health Disparities  
 FCS/PSY 3620 Environmental Psychology & Sustainability  
 FCS 5450 Nonprofit Community Organizations  
 FCS 5630 Healthy Communities  
 FCS 5730 Community and Environmental Change  
 H EDU 4180 Community-Based Prevention Practices in Health Promotion & Education  
 \*HONOR 3315 Global Environmental Change

## Urban Ecology Minor

**CMP 2010**

Design Ecologies  
(3)

BF

**CMP 3200**

Ecology of Human  
Settlements  
(3)

**CMP 4600**

The Just City  
(3)

**DES 2630**

Design Contexts  
(3)

FF

**CMP 4010**

Field Studies in  
Urban Ecology I  
(4)

QI

**ELECTIVE**

Select from  
CMP 3000  
Level courses

# ENVST FOOD SYSTEMS AND COMMUNITY RESILIENCE WITH CONSUMER & COMMUNITY STUDIES MINOR

## Consumer and Community Studies (CCS) Minor

ENVST/GEOG 3210 Global Climate Change (SF)  
\*ENVST 3364 Challenges to Global Sustainability (IR)  
\*ENVST 3365 Environmental Justice (DV)  
POLS 5322 Environmental Policy

### Statistics Courses (select one)

\*COMM 3710 Intro to Quantitative Comm. Research (QI)  
CMP 4010 Field Studies in Urban Ecology (QI)  
\*FCS 3210 Statistics in Family & Consumer Studies (QI, QB)  
\*GEOG 3020 Geographic Analysis (QI, QB)  
\*POLS 5001 Quantitative Analysis in Political Science (QI)  
SOC 3112 Social Statistics (QI, QB)

### Writing Courses (select one)

COMM 4650 Environmental Reporting (CW)  
CMP 4260 Land, Law, and Culture (CW)  
\*GEOG 3400 Population Geography (CW)  
\*HONOR 3200 Writing in a Research University  
\*MGT 3810 Business and Professional Communication (CW)  
WRTG 3012 Writing in the Social Sciences (CW)  
WRTG 3014 Scientific Writing (CW)  
WRTG 3420 Environmental Writing (CW and HF)

### Methods Courses (select one)

\*ANTH 4334 Population Issues in Anthropology (QI, QB)  
BIOL 2355 Field Botany (2cr)  
\*CMP 4450 GIS for Urban Ecologists (QI)  
FCS 3200 Research Methods in Family & Consumer Studies  
\*GEOG 3100 Introduction to GIS & Cartography (QI) (5cr)  
\*POLS 3001 Political Analysis (QI, QB)  
SOC 3111 Research Methods (CW)

### To Be Completed in Your Last Year

\*ENVST 4800 Environmental & Sustainability Studies Internship  
\*ENVST 5558 Capstone: Eating for Health, Justice & Sustainability



### Electives (select seven courses)

ANTH 4186 Human Ecology  
ANTH 4339 Humans in the World of Plants  
ANTH 4340 Paleoethnobotany  
BIOL 1330 Plants & Society (AS)  
\*BIOL 2010 Evolution & Diversity of Life  
\*BIOL 3410 Ecology & Evolution  
\*BIOL 3450 Rainforest Ecology & Conservation (IR, SF)  
BIOL 3470 Conservation Biology (AS)  
BIOL 3710 Biology, Society & Public Engagement  
\*BIOL 5460 Plant Ecology in a Changing World  
CHEM 1020 The Science of Food & Cooking (SF)  
\*CHEM 1210/1215 General Chemistry & Lab I (SF)  
CMP 2010 Design Ecologies (BF)  
CMP 3200 Ecology of Human Settlements  
COMM 5360 Environmental Communication  
ECON 3250 Intro to Environmental & Natural Resource Economics  
ENGL 5080 Environmental Literature  
ENVST 3280 Organic Gardening (AS)  
\*ENVST 3390 Sustainable Streams & Riparian Zones  
ENVST 3720 Environmental Health Disparities  
FCS/PSY 3620 Environmental Psychology & Sustainability  
FCS 5450 Nonprofit Community Organizations  
FCS 5630 Healthy Communities  
FCS 5730 Community and Environmental Change  
H EDU 4180 Community-Based Prevention Practices in Health Promotion & Education  
\*HONOR 3215 Global Environmental Change  
NUIP 1020 Scientific Foundations of Human Nutr. & Health (AS)  
NUIP 3220 Food Communication (BF)  
NUIP 3620 Cultural Aspects of Food (IR)  
PHIL 3310 Science & Society (HF)

Minimum CCS Minor Hours: 15 (at least 6 semester hours for the CCS major must be completed at the University of Utah). All CCS minor courses must be completed with a letter grade of C- or better.

### 1. CCS CORE (6 Credit Hours)

FCS 3450 Family Economic Issues (QI/BF) –or FCS 3500 Financial Skills for Life (3)  
FCS 3600 Consumer and Community Policy (3)

### 2. CCS ELECTIVES (9 Credit Hours, at least 3 credits at 5000 level)

FCS 3180 Family, School, & Community Connections  
FCS 3420 Housing Policy and Issues  
FCS 3430 Family Advocacy and Policy  
FCS 3450 Family Economic Issues  
FCS 3470 International Consumer Policy  
FCS 3500 Financial Skills for Life  
FCS 3620 Environmental Psychology & Sustainability  
FCS 5200 Family and Social Policy  
FCS 5430 Families, Consumers, & Health  
FCS 5450 Nonprofit community Organizations  
FCS 5510 Building Family Wealth  
FCS 5520 Retirement and Benefits Planning for Families  
FCS 5530 Income Tax Planning for Families  
FCS 5540 Protecting Family Wealth  
FCS 5550 Family Financial Planning Capstone  
FCS 5590 Intensive Spanish Culture and Community  
FCS 5630 Healthy Communities  
FCS 5700 Analyzing Community Growth: An Evidence-based Approach  
FCS 5730 Community & Environmental Change  
FCS 5950 Undergraduate Research  
FCS 5962/5964 Special Topics in CCS  
HNKLY 4900/4901/4902/4903 Internships  
OR HNKLY 4910 Washington DC Encounter

# ENVST FOOD SYSTEMS & COMMUNITY RESILIENCE WITH APPLIED ETHICS MINOR

## Applied Ethics Minor

### ▼ Area I: Theories of Ethics and Moral Dimensions of Political/Public Life

Select **at least two** courses from the following:

- PHIL 3500 Ethics (HF)
- PHIL 3700 Political Philosophy (HF)
- PHIL 5500 Contemporary Ethical Theory
- POLS 3010 Democratic Theory
- POLS 5010 Foundations of Political Thought: Late Modern
- POLS 5025 American Political Thought
- POLS 5035 Contemporary Political Thought
- POLS 5140 Feminist Political Theory

### ▼ Area II: Theories Applied and Growing Out of Specific Issues Areas

Select **at least two** courses from one of the following groups. Note that both of these courses must be taken from the same group.

#### Group C: Engineering & Environmental Ethics

- PHIL 3510 Business and Professional Ethics (HF)
- **PHIL 3530 Environmental Ethics (HF)**
- PHIL 3730 Justice & International Affairs (IR)
- PHIL 4540 Engineering, Ethics, & Society (HF)
- **POLS 5322 Environmental Policy**

### ▼ Area III: Specific Coursework in Applied Areas

The student must take at least two courses, to be approved by Leslie Francis, from any fields where applied ethics are treated. To fulfill this requirement, students are encouraged to take courses in their major which also have an emphasis on ethics.

### ▼ Area IV: Elective

Students must take one additional course, to be selected from either Area I or Area II (please see above). This will permit students either 1) to deepen their understanding of (meta)-theory; or 2) to select an applied theory course from an area other than that chosen already for emphasis, thus allowing for comparative theoretical analysis and application.



### Electives (select seven courses)

**ANTH 4186** Human Ecology  
**ANTH 4339** Humans in the World of Plants  
**ANTH 4340** Paleoethnobotany  
**BIOL 1330** Plants & Society (AS)  
\***BIOL 2010** Evolution & Diversity of Life  
\***BIOL 3410** Ecology & Evolution  
\***BIOL 3450** Rainforest Ecology & Conservation (IR, SF)  
**BIOL 3470** Conservation Biology (AS)  
**BIOL 3710** Biology, Society & Public Engagement  
\***BIOL 5460** Plant Ecology in a Changing World  
**CHEM 1020** The Science of Food & Cooking (SF)  
\***CHEM 1210/1215** General Chemistry & Lab I (SF)  
**CMP 2010** Design Ecologies (BF)  
**CMP 3200** Ecology of Human Settlements  
**COMM 5360** Environmental Communication  
**ECON 3250** Intro to Environmental & Natural Resource Economics  
**ENGL 5080** Environmental Literature  
**ENVST 3280** Organic Gardening (AS)  
\***ENVST 3390** Sustainable Streams & Riparian Zones  
**ENVST 3720** Environmental Health Disparities  
**FCS/PSY 3620** Environmental Psychology & Sustainability  
**FCS 5450** Nonprofit Community Organizations  
**FCS 5630** Healthy Communities  
**FCS 5730** Community and Environmental Change  
**H EDU 4180** Community-Based Prevention Practices in Health Promotion & Education  
\***HONOR 3215** Global Environmental Change  
**NUIP 1020** Scientific Foundations of Human Nutr. & Health (AS)  
**NUIP 3220** Food Communication (BF)  
**NUIP 3620** Cultural Aspects of Food (IR)  
**PHIL 3310** Science & Society (HF)  
**PHIL 3530** Environmental Ethics (HF)  
**PHIL 5530** Environmental Philosophy (HF)

**ENVST/GEOG 3210** Global Climate Change (SF)

\***ENVST 3364** Challenges to Global Sustainability (IR)

\***ENVST 3365** Environmental Justice (DV)

**POLS 5322** Environmental Policy

### Statistics Courses (select one)

\***COMM 3710** Intro to Quantitative Comm. Research (QI)

**CMP 4010** Field Studies in Urban Ecology (QI)

\***FCS 3210** Statistics in Family & Consumer Studies (QI, QB)

\***GEOG 3020** Geographic Analysis (QI, QB)

\***POLS 5001** Quantitative Analysis in Political Science (QI)

**SOC 3112** Social Statistics (QI, QB)

### Writing Courses (select one)

**COMM 4650** Environmental Reporting (CW)

**CMP 4260** Land, Law, and Culture (CW)

\***GEOG 3400** Population Geography (CW)

\***HONOR 3200** Writing in a Research University

\***MGT 3810** Business and Professional Communication (CW)

**WRTG 3012** Writing in the Social Sciences (CW)

**WRTG 3014** Scientific Writing (CW)

**WRTG 3420** Environmental Writing (CW and HF)

### Methods Courses (select one)

\***ANTH 4334** Population Issues in Anthropology (QI, QB)

**BIOL 2355** Field Botany (2cr)

\***CMP 4450** GIS for Urban Ecologists (QI)

**FCS 3200** Research Methods in Family & Consumer Studies

\***GEOG 3100** Introduction to GIS & Cartography (QI) (5cr)

\***POLS 3001** Political Analysis (QI, QB)

**SOC 3111** Research Methods (CW)

### To Be Completed in Your Last Year

\***ENVST 4800** Environmental & Sustainability Studies Internship

\***ENVST 5558** Capstone: Eating for Health, Justice & Sustainability

### CAREER OUTLOOK

# ENVST ECOLOGICAL LITERACY AND SOCIAL CHANGE WITH POLITICAL SCIENCE MINOR



## Political Science Minor

- ENVST/GEOG 3210 Global Climate Change (SF)
- \*ENVST 3364 Challenges to Global Sustainability (IR)
- \*ENVST 3365 Environmental Justice (DV)
- POLS 5322 Environmental Policy**

### Statistics Courses (select one)

- \*COMM 3710 Intro to Quantitative Comm. Research (QI)
- CMP 4010 Field Methods in Urban Ecology (QI)
- FCS 3210 Statistics in Family & Consumer Studies (QI, QB)
- \*GEOG 3020 Geographic Analysis (QI, QB)
- \*POLS 5001 Quantitative Analysis in Political Science (QI)**
- SOC 3112 Social Statistics (QI, QB)

### Writing Courses (select one)

- COMM 4650 Environmental Reporting (CW)
- CMP 4260 Land, Law, & Culture (CW)
- \*GEOG 3400 Population Geography (CW)
- GNDR 3100 Medusa & Manifestos: Identity & Protest (CW)
- \*HONOR 3200 Writing in a Research University
- \*MGT 3810 Business & Professional Communication (CW)
- WRWG 3012 Writing in the Social Sciences (CW)
- WRWG 3014 Scientific Writing (CW)
- WRWG 3420 Environmental Writing (CW and HF)

### Methods Courses (select one)

- \*ANTH 4334 Population Issues in Anthropology (QI, QB)
- \*CMP 4450 GIS for Urban Ecologists (QI)
- \*COMM 4570 Visual Editing
- \*ENVST 5180 Field Ecology
- FCS 3200 Research Methods in Family and Consumer Studies
- \*GEOG 3100 Introduction to GIS & Cartography (QI) (5cr)
- POLS 3001 Political Analysis (QI, QB)**
- SOC 3111 Research Methods (CW)

### To Be Completed in Your Last Year

- \*ENVST 4800 Environmental & Sustainability Studies Internship
- \*ENVST 5557 Capstone: Teaching Environmental Literacy

## CAREER OUTLOOK

Non-profit organizations

### Electives (select seven courses)

- ATMOS ANTH 4186 Human Ecology (BF, SF)
- ANTH 4245 Human Migration & Social Change (IR)
- \*BIOL 3410 Ecology & Evolution
- BIOL 3470 Conservation Biology (AS)
- BIOL 3710 Biology, Society & Public Engagement
- COMM 3115 Communicating Health, Science, Environment
- COMM 3290 Native American Activism (DV)
- COMM 3030 Community & Social Responsibility (CW, HF)
- COMM 4360 Consuming the Earth
- COMM 5360 Environmental Communication
- COMM 5365 Communicating Climate Change
- COMM 5490 Communication & Social Justice
- CMP 2010 Design Ecologies (BF)
- ECON 3250 Intro to Environmental & Natural Resource Econ
- ECON 5560 Gender & Econ. Development in 3rd World
- ECS 3180 Home, School & Community Relations
- ECS 4111 School & Society (DV, CW, HF)
- \*ECS 5715 Urban Education
- ENGL 5080 Environmental Literature
- \*ENGL 5930 Theories of Race, Ethnicity, Nation
- ENVST 3280 Organic Gardening (AS)
- \*ENVST 3390 Sustainable Streams & Riparian Zones
- ENVST 3720 Environmental Health Disparities
- FCS/PSY 3620 Environment & Behavior
- FCS 5450 Nonprofit Community Organizations
- FCS 5730 Community and Environmental Change
- FILM 3520 Documentary & Social Justice (FF)
- GNDR 1100 Gender & Social Change (BF, DV)
- \*GNDR 5080 Gender, Power and Freedom
- \*HIST 4380 Environmental History (HF)
- PHIL 3310 Science & Society (HF)
- PHIL 3530 Environmental Ethics (HF)
- PHIL 3730 Justice & International Affairs (IR)
- PHIL 5530 Environmental Philosophy (HF)
- POLS 5540 Nonprofit Advocacy**
- \*POLS 5625 International Ethics**
- POLS 5810 Dem. Activism & Social Change/Research Seminar (CW)**

Minor Requirements: All courses must be taken for a letter grade with a minimum cumulative GPA of 2.0. A grade of C- or higher must be earned in required POLS courses. Minimum credit hours 18.

### Required Introductory Courses (choose two for a total of 6 credit hours):

- POLS 1100 US National Government (3, AI)
- POLS 2100 Introduction to International Relations (3, BF)
- POLS 2200 Introduction to Comparative Politics (3, BF)
- POLS 2300 Introduction to Political Theory (3, HF)

### Political Science Upper Division Electives\* (12 credit hours, 3000 level or higher):

- POLS **POLS 5322 – Environmental Policy**
- POLS **POLS 3001 (QI, QB), POLS 5001 (QI),**
- POLS **POLS 5540, POLS 5625**
- POLS **or POLS 5810 (CW)**

For a full list of courses and descriptions, visit: [catalog.utah.edu](http://catalog.utah.edu) or see an advisor for more details.

\*A maximum of three internship credit hours may be used towards this requirement.

### Political Science Advising Team

Madalyn Smith, Lead Advisor: [madalyn.smith@csbs.utah.edu](mailto:madalyn.smith@csbs.utah.edu)  
Tracey Farnsworth, Academic Advising Coordinator: [tracey.farnsworth@utah.edu](mailto:tracey.farnsworth@utah.edu)





# ENVST ECOLOGICAL LITERACY AND SOCIAL CHANGE WITH STRATEGIC COMMUNICATION MINOR

## REQUIRED CLASSES

ENVST 2000 Field Experience: Environment and Sustainability  
ENVST 2050 Introduction to Environmental Science (SF)  
ENVST 2100 Introduction to Environmental & Sustainability Studies (BF)  
*These three courses are pre-requisites for the upper division ENVST courses*

ENVST/GEOG 3210 Global Climate Change (SF)  
\*ENVST 3364 Challenges to Global Sustainability (IR)  
\*ENVST 3365 Environmental Justice (DV)  
POLS 5322 Environmental Policy

### Statistics Courses (select one)

\*COMM 3710 Intro to Quantitative Comm. Research (QI)  
CMP 4010 Field Methods in Urban Ecology (QI)  
FCS 3210 Statistics in Family & Consumer Studies (QI, QB)  
\*GEOG 3020 Geographic Analysis (QI, QB)  
\*POLS 5001 Quantitative Analysis in Political Science (QI)  
SOC 3112 Social Statistics (QI, QB)

### Writing Courses (select one)

COMM 4650 Environmental Reporting (CW)  
CMP 4260 Land, Law, & Culture (CW)  
\*GEOG 3400 Population Geography (CW)  
GNDR 3100 Medusa & Manifestos: Identity & Protest (CW)  
\*HONOR 3200 Writing in a Research University  
\*MGT 3810 Business & Professional Communication (CW)  
WRTG 3012 Writing in the Social Sciences (CW)  
WRTG 3014 Scientific Writing (CW)  
WRTG 3420 Environmental Writing (CW and HF)

### Methods Courses (select one)

\*ANTH 4334 Population Issues in Anthropology (QI, QB)  
\*CMP 4450 GIS for Urban Ecologists (QI)  
\*COMM 4570 Visual Editing  
\*ENVST 5180 Field Ecology  
FCS 3200 Research Methods in Family and Consumer Studies  
\*GEOG 3100 Introduction to GIS & Cartography (QI) (5cr)  
POLS 3001 Political Analysis (QI, QB)  
SOC 3111 Research Methods (CW)



### Electives (select seven courses)

ATMOS ANTH 4186 Human Ecology (BF, SF)  
ANTH 4245 Human Migration & Social Change (IR)  
\*BIOL 3410 Ecology & Evolution  
BIOL 3470 Conservation Biology (AS)  
BIOL 3710 Biology, Society & Public Engagement  
\*COMM 3115 Communicating Health, Science, Environment  
COMM 3290 Native American Activism (DV)  
COMM 3030 Community & Social Responsibility (CW, HF)  
COMM 4360 Consuming the Earth  
COMM 5360 Environmental Communication  
COMM 5365 Communicating Climate Change  
\*COMM 5490 Communication & Social Justice  
CMP 2010 Design Ecologies (BF)  
ECON 3250 Intro to Environmental & Natural Resource Economics  
ECON 5560 Gender & Econ. Development in 3rd World  
ECS 3180 Home, School & Community Relations  
ECS 4111 School & Society (DV, CW, HF)  
\*ECS 5715 Urban Education  
ENGL 5080 Environmental Literature  
\*ENGL 5930 Theories of Race, Ethnicity, Nation  
ENVST 3280 Organic Gardening (AS)  
\*ENVST 3390 Sustainable Streams & Riparian Zones  
ENVST 3720 Environmental Health Disparities  
FCS/PSY 3620 Environment & Behavior  
FCS 5450 Nonprofit Community Organizations  
FCS 5730 Community and Environmental Change  
FILM 3520 Documentary & Social Justice (FF)

## Strategic Communication Minor

Complete a total of 18 credits; 6 courses total (credit hours, university requirements, and pre-requisites are listed in parentheses).

### Introductory/Required Course

COMM 2580 Strategic Communication Theory & Practice (3) (*previously COMM 4580*)

### Foundational Courses: Choose two courses

COMM 3580 Strategic Communication, Special Topics (3)  
COMM 3560 Video Production I (4)  
COMM 3610 Internship (1-6)  
COMM 3630 Absolute Communication (3)  
COMM 3670 Principles of Advertising (3)  
COMM 3680 Advertising Media Analysis and Planning (3)  
COMM 3690 Making Brands Stick (3)

### COMM 4570 Visual Editing (4)

COMM 4590 Writing for Strategic Communication (4) (CW) (pre-reqs: COMM 1610, COMM 2580 OR 4580)  
COMM 5200 Persuasion & Political Communication (3)  
COMM 5300 Mass Communication Law (4) (pre-req: COMM 1500 OR 3505)  
COMM 5580 Public Relations Cases and Campaigns (4) (CW) (pre-reqs: COMM 1610, COMM 1500 OR 3505, COMM 2580 OR 4580)  
COMM 5590 Integrated Marketing Communication (3)  
COMM 5560 Media Ethics (3) (pre-req: COMM 1500 OR 3505)  
COMM 5950 Advanced Special Topics in Strategic Communication (3)

### Method/Theory Courses: Choose two courses; \*One must be 3710 or 5710

COMM 1270 Analysis of Argument (3) (QBHF)  
COMM 1500 Introduction to Media & Business Ethics (3) (HF) (*previously COMM 3505*)  
COMM 2110 Introduction Interpersonal Communication (3) (BF)  
COMM 3050 Theoretical Perspectives in Communication (3)  
\*COMM 3115 Communicating Science, Health, Environment (3)  
COMM 3140 Dangerous Liaisons in Relationships and Organizations (3)  
COMM 3170 Introduction to Organizational Communication (3)  
COMM 3405 Rhetoric: Aristotle to #twitter (3)  
COMM 3550 Principles of Visual Communication (3)

\*COMM 3710 Introduction to Quantitative Communication Research (3) (QA or QB) (QI)

\*COMM 5710 Quantitative Communication Research (QI) (pre-req: COMM 3710)

### Elective Course: Choose any additional COMM elective course

Choose any Communication course, including those from the Foundational & Method/Theory sections.

# ENVST ECOLOGICAL LITERACY AND SOCIAL CHANGE WITH DIVERSITY CERTIFICATE

## Diversity Certificate

### Statistics Courses (select one)

- \*COMM 3710 Intro to Quantitative Comm. Research (QI)
- CMP 4010 Field Methods in Urban Ecology (QI)
- FCS 3210 Statistics in Family & Consumer Studies (QI, QB)
- \*GEOG 3020 Geographic Analysis (QI, QB)
- \*POLS 5001 Quantitative Analysis in Political Science (QI)
- SOC 3112 Social Statistics (QI, QB)

### Writing Courses (select one)

- COMM 4650 Environmental Reporting (CW)
- CMP 4260 Land, Law, & Culture (CW)
- \*GEOG 3400 Population Geography (CW)
- GNDR 3100 Medusa & Manifestos: Identity & Protest (CW)**
- \*HONOR 3200 Writing in a Research University
- \*MGT 3810 Business & Professional Communication (CW)
- WRTG 3012 Writing in the Social Sciences (CW)
- WRTG 3014 Scientific Writing (CW)
- WRTG 3420 Environmental Writing (CW and HF)

### Methods Courses (select one)

- \*ANTH 4334 Population Issues in Anthropology (QI, QB)
- \*CMP 4450 GIS for Urban Ecologists (QI)
- \*COMM 4570 Visual Editing
- \*ENVST 5180 Field Ecology
- FCS 3200 Research Methods in Family and Consumer Studies
- \*GEOG 3100 Introduction to GIS & Cartography (QI) (5cr)
- POLS 3001 Political Analysis (QI, QB)
- SOC 3111 Research Methods (CW)

### To Be Completed in Your Last Year

- \*ENVST 4800 Environmental & Sustainability Studies Internship
- \*ENVST 5557 Capstone: Teaching Environmental Literacy

- ATMOS ANTH 4186 Human Ecology (BF, SF)
- ANTH 4245 Human Migration & Social Change (IR)
- \*BIOL 3410 Ecology & Evolution
- BIOL 3470 Conservation Biology (AS)
- BIOL 3710 Biology, Society & Public Engagement
- COMM 3115 Communicating Health, Science, Environment
- COMM 3290 Native American Activism (DV)
- COMM 3030 Community & Social Responsibility (CW, HF)
- COMM 4360 Consuming the Earth
- COMM 5360 Environmental Communication
- COMM 5365 Communicating Climate Change
- COMM 5490 Communication & Social Justice
- CMP 2010 Design Ecologies (BF)
- ECON 3250 Intro to Environmental & Natural Resource Econ
- ECON 5560 Gender & Econ. Development in 3rd World**
- ECS 3180 Home, School & Community Relations
- ECS 4111 School & Society (DV, CW, HF)
- \*ECS 5715 Urban Education
- ENGL 5080 Environmental Literature
- \*ENGL 5930 Theories of Race, Ethnicity, Nation
- ENVST 3280 Organic Gardening (AS)
- \*ENVST 3390 Sustainable Streams & Riparian Zones
- ENVST 3720 Environmental Health Disparities
- FCS/PSY 3620 Environment & Behavior
- FCS 5450 Nonprofit Community Organizations
- FCS 5730 Community and Environmental Change
- FILM 3520 Documentary & Social Justice (FF)
- GNDR 1100 Gender & Social Change (BF, DV)**
- \*GNDR 5080 Gender, Power and Freedom**
- \*HIST 4380 Environmental History (HF)
- PHIL 3310 Science & Society (HF)
- PHIL 3530 Environmental Ethics (HF)
- PHIL 3730 Justice & International Affairs (IR)
- PHIL 5530 Environmental Philosophy (HF)

### DIVERSITY CORE (3 Credit Hours) Required

- SOC 3380 Social Inequalities (3) DV

### DIVERSITY ELECTIVE COURSES: (9 credit hours)

Regularly offered courses:

- SOC 4085 Cities & Communities (3) CW
- SOC 3337 Gender & Sexuality (3) DV BF
- SOC 3365 Ethnic Minorities in America (3) DV BF
- SOC 3381 Expl Inequality Through Music & Film(3) DV
- SOC 3393 Diversity Internship (3)
- SOC 3565 Women & Crime (3)
- SOC 3769 Heath Disparities: Race & Ethnicity (3)

Less frequently offered courses:

- SOC 3200 Diversity Service Learning (3) DV
- SOC 3334 Race, Class & The American Dream (3)
- SOC 3310 Latina/o Sociology (3)

CHOOSE 3

### DIVERSITY ALLIED COURSES: (6 credit hours)

- ANTH 3111 First Nations of Eastern N. America
- ANTH 3112 First Nations of Western N. America
- ANTH 4141 Ethnicity & Nationalism (3)
- ANTH 4183 Sex & Gender: Biosocial Perspectives (3)
- ANTH 4215 Race & Culture (3)
- ETHNC Any three-credit course
- FCS 3290 Ethnic Minority Families (3)
- FCS 5390 Gender & Minorities Across the Lifespan (3)
- ECON 5140 Discrimination in the Labor Markets
- ECON 5180 Poverty and Inequality (3)
- ECON 5170 Feminist Economics (3)

**ECON 5560 Gender & Econ Development/Third World (3)**

**GNDR Any three-credit hour course**

- POLS 3140 Gender and Politics (3)
- POLS 3190 Racial and Ethnic Politics (3)
- POLS 3250 Gender, Ethics, and Public Policy (3)
- POLS 5140 Feminist Political Theory (3)
- POLS 5324 Disability Studies (3)
- POLS 5430 Asian American Politics (3)
- POLS 5440 Nationalism & Ethnic Conflict (3)
- PSYCH 3040 Psychology of Gender (3)
- PSYCH 3245 Human Sexuality (3)
- PSYCH 3450 Intro to Cross-Cultural Psychology (3)
- PSYCH 4450 Intergroup Relations (3)
- PSYCH 5280 Culture and Diversity (3)
- SW 3550 Social Diversity and Cultural Understanding (3)
- SW 3564 Native Americans in Modern Society (3)
- SW 5535 Social Justice Advocacy Techniques and Skills

CHOOSE 2

# ENVST ECOLOGICAL LITERACY & SOCIAL CHANGE WITH GLOBAL CITIZENSHIP MINOR

**ENVST/GEOG 3210** Global Climate Change (SF)  
**\*ENVST 3364** Challenges to Global Sustainability (IR)  
 \*ENVST 3365 Environmental Justice (DV)  
 POLS 5322 Environmental Policy

## Statistics Courses (select one)

\*COMM 3710 Intro to Quantitative Comm. Research (QI)  
 CMP 4010 Field Methods in Urban Ecology (QI)  
 FCS 3210 Statistics in Family & Consumer Studies (QI, QB)  
 \*GEOG 3020 Geographic Analysis (QI, QB)  
 \*POLS 5001 Quantitative Analysis in Political Science (QI)  
 SOC 3112 Social Statistics (QI, QB)

## Writing Courses (select one)

COMM 4650 Environmental Reporting (CW)  
 CMP 4260 Land, Law, & Culture (CW)  
 \*GEOG 3400 Population Geography (CW)  
 GNDR 3100 Medusa & Manifestos: Identity & Protest (CW)  
 \*HONOR 3200 Writing in a Research University  
 \*MGT 3810 Business & Professional Communication (CW)  
 WRTG 3012 Writing in the Social Sciences (CW)  
 WRTG 3014 Scientific Writing (CW)  
 WRTG 3420 Environmental Writing (CW and HF)

## Methods Courses (select one)

\*ANTH 4334 Population Issues in Anthropology (QI, QB)  
 \*CMP 4450 GIS for Urban Ecologists (QI)  
 \*COMM 4570 Visual Editing  
 \*ENVST 5180 Field Ecology  
 FCS 3200 Research Methods in Family and Consumer Studies  
 \*GEOG 3100 Introduction to GIS & Cartography (QI) (5cr)  
 POLS 3001 Political Analysis (QI, QB)  
 SOC 3111 Research Methods (CW)

## To Be Completed in Your Last Year

\*ENVST 4800 Environmental & Sustainability Studies Internship  
 \*ENVST 5557 Capstone: Teaching Environmental Literacy

## CAREER OUTLOOK

Non-profit organizations  
 State agencies-outreach & education (Dept. of Health, SLG Green)



## Electives (select seven courses)

ANTH 4186 Human Ecology (BF, SF)  
 ANTH 4245 Human Migration & Social Change (IR)  
 \*BIOL 3410 Ecology & Evolution  
 BIOL 3470 Conservation Biology (AS)  
 BIOL 3710 Biology, Society & Public Engagement  
 COMM 3115 Communicating Health, Science, Environ  
 COMM 3290 Native American Activism (DV)  
 COMM 3030 Community & Social Responsibility (CW,  
 COMM 4360 Consuming the Earth  
 COMM 5360 Environmental Communication  
 COMM 5365 Communicating Climate Change  
 COMM 5490 Communication & Social Justice  
 CMP 2010 Design Ecologies (BF)  
 ECON 3250 Intro to Environmental & Natural Resour  
 ECON 5560 Gender & Econ. Development in 3rd Wor  
 ECS 3180 Home, School & Community Relations  
 ECS 4111 School & Society (DV, CW, HF)  
 \*ECS 5715 Urban Education  
 ENGL 5080 Environmental Literature  
 \*ENGL 5930 Theories of Race, Ethnicity, Nation  
 ENVST 3280 Organic Gardening (AS)  
 \*ENVST 3390 Sustainable Streams & Riparian Zones  
 ENVST 3720 Environmental Health Disparities  
 FCS/PSY 3620 Environment & Behavior  
 FCS 5450 Nonprofit Community Organizations  
 FCS 5730 Community and Environmental Change  
 FILM 3520 Documentary & Social Justice (FF)  
 GNDR 1100 Gender & Social Change (BF, DV)  
 \*GNDR 5080 Gender, Power and Freedom  
 \*HIST 4380 Environmental History (HF)  
 PHIL 3310 Science & Society (HF)  
 PHIL 3530 Environmental Ethics (HF)  
 PHIL 3730 Justice & International Affairs (IR)  
 PHIL 5530 Environmental Philosophy (HF)  
 POLS 5540 Nonprofit Advocacy  
 \*POLS 5625 International Ethics  
 POLS 5810 Dem. Activism & Social Change/Research  
 \*PRT 5735 Youth Development  
 SOC 3422 Social Movements  
 SOC 3480 Environmental Sociology (IR)

## Global Citizenship Minor

### REQUIRED CORE (choose one)

3 credits

- UGS 2230 Block U: Global Citizenship  
 UGS 2235 Block U: Global Citizenship

### LANGUAGE COURSES

6 - 8 credits

<input type="checkbox"/>
<input type="checkbox"/>

Complete two language courses at any level,  
 taught in the target language:  
 8 credits of lower-division language OR  
 6 credits of upper-division language

### ELECTIVES

9 credits

- |   |
|---|
| <input type="checkbox"/> ENVST/GEOG 3210                |
| <input type="checkbox"/> ENVST 3364 (IR)                |
| <input type="checkbox"/> GEOG 3400 (CW), PHIL 3730 (IR) |
| <input type="checkbox"/> GNDR 1000 (DV) ANTH 4245 (IR)  |
- or SOC 3480 (IR)

Complete 9 credits of approved elective  
 courses. No more than two courses may  
 come from a single track (FF, HF, AS, SF, BF,  
 DV, CW, IR, QI).

\*See International Studies  
 website or advisor for full list

# ENVST ECOLOGICAL LITERACY & SOCIAL CHANGE WITH ANTHROPOLOGY MINOR

## Anthropology Minor

### REQUIRED CLASSES

ENVST 2000 Field Experience: Environment and Sustainability  
 ENVST 2050 Introduction to Environmental Science (SF)  
 ENVST 2100 Introduction to Environmental & Sustainability Studies (BF)  
*These three courses are pre-requisites for the upper division ENVST courses*

ENVST/GEOG 3210 Global Climate Change (SF)  
 \*ENVST 3364 Challenges to Global Sustainability (IR)  
 \*ENVST 3365 Environmental Justice (DV)  
 POLS 5322 Environmental Policy

#### Statistics Courses (select one)

\*COMM 3710 Intro to Quantitative Comm. Research (QI)  
 CMP 4010 Field Methods in Urban Ecology (QI)  
 FCS 3210 Statistics in Family & Consumer Studies (QI, QB)  
 \*GEOG 3020 Geographic Analysis (QI, QB)  
 \*POLS 5001 Quantitative Analysis in Political Science (QI)  
 SOC 3112 Social Statistics (QI, QB)

#### Writing Courses (select one)

COMM 4650 Environmental Reporting (CW)  
 CMP 4260 Land, Law, & Culture (CW)  
 \*GEOG 3400 Population Geography (CW)  
 GNDR 3100 Medusa & Manifestos: Identity & Protest (CW)  
 \*HONOR 3200 Writing in a Research University  
 \*MGT 3810 Business & Professional Communication (CW)  
 WRTG 3012 Writing in the Social Sciences (CW)  
 WRTG 3014 Scientific Writing (CW)  
 WRTG 3420 Environmental Writing (CW and HF)

#### Methods Courses (select one)

\*ANTH 4334 Population Issues in Anthropology (QI, QB)  
 \*CMP 4450 GIS for Urban Ecologists (QI)  
 \*COMM 4570 Visual Editing  
 \*ENVST 5180 Field Ecology  
 FCS 3200 Research Methods in Family and Consumer Studies  
 \*GEOG 3100 Introduction to GIS & Cartography (QI) (5cr)  
 POLS 3001 Political Analysis (QI, QB)  
 SOC 3111 Research Methods (CW)



#### Electives (select seven courses)

ANTH 4186 Human Ecology (BF, SF)  
 ANTH 4245 Human Migration & Social Change (IR)  
 \*BIOL 3410 Ecology & Evolution  
 BIOL 3470 Conservation Biology (AS)  
 BIOL 3710 Biology, Society & Public Engagement  
 COMM 3115 Communicating Health, Science, Environment  
 COMM 3290 Native American Activism (DV)  
 COMM 3030 Community & Social Responsibility (CW, HF)  
 COMM 4360 Consuming the Earth  
 COMM 5360 Environmental Communication  
 COMM 5365 Communicating Climate Change  
 COMM 5490 Communication & Social Justice  
 CMP 2010 Design Ecologies (BF)  
 ECON 3250 Intro to Environmental & Natural Resource Economics  
 ECON 5560 Gender & Econ. Development in 3rd World  
 ECS 3180 Home, School & Community Relations  
 ECS 4111 School & Society (DV, CW, HF)  
 \*ECS 5715 Urban Education  
 ENGL 5080 Environmental Literature  
 \*ENGL 5930 Theories of Race, Ethnicity, Nation  
 ENVST 3280 Organic Gardening (AS)  
 \*ENVST 3390 Sustainable Streams & Riparian Zones  
 ENVST 3720 Environmental Health Disparities  
 FCS/PSY 3620 Environment & Behavior  
 FCS 5450 Nonprofit Community Organizations  
 FCS 5730 Community and Environmental Change  
 FILM 3520 Documentary & Social Justice (FF)

Course #	Title	Sem/Year	Grade	Credit Hours
<b>Required:</b>				
1010	Culture and the Human Experience [BF}	/		
<b>Choose <u>one</u> of the following:</b>				
1020	Human Origins: Evolution & Diversity [SF]	/		
1030	World Prehistory: An Introduction (Archaeology) [BF]	/		
1050	Evolution of Human Nature [SF]	/		
<b>12 Additional hours required: (6 hours at 3000 level or above-<i>limited summer offerings</i>)</b>				
4186	Human Ecology	/		
4334	Population Issues in ANTH (QI, QB)	/		
4245	Human Migration & Social Change (IR)	/		
		/		
<b>TOTAL HOURS -- Minimum of 18 semester credit hours</b> (A minimum of 12 semester credit hours taken at the U of U)				

*Please note.* You must earn a grade of "C" or better for courses to count towards your minor.

# ENVST ECOLOGICAL LITERACY & SOCIAL CHANGE WITH LEADERSHIP STUDIES MINOR

## Leadership Studies Minor

### Writing Courses (select one)

COMM 4650 Environmental Reporting (CW)  
CMP 4260 Land, Law, & Culture (CW)  
\*GEOG 3400 Population Geography (CW)  
GNDR 3100 Medusa & Manifestos: Identity & Protest (CW)  
\*HONOR 3200 Writing in a Research University  
\*MGT 3810 Business & Professional Communication (CW)  
WRTG 3012 Writing in the Social Sciences (CW)  
WRTG 3014 Scientific Writing (CW)  
WRTG 3420 Environmental Writing (CW and HF)

### Methods Courses (select one)

\*ANTH 4334 Population Issues in Anthropology (QI, QB)  
\*CMP 4450 GIS for Urban Ecologists (QI)  
\*COMM 4570 Visual Editing  
\*ENVST 5180 Field Ecology  
FCS 3200 Research Methods in Family and Consumer Studies  
\*GEOG 3100 Introduction to GIS & Cartography (QI) (5cr)  
POLS 3001 Political Analysis (QI, QB)  
SOC 3111 Research Methods (CW)

### To Be Completed in Your Last Year

\*ENVST 4800 Environmental & Sustainability Studies Internship  
\*ENVST 5557 Capstone: Teaching Environmental Literacy

## CAREER OUTLOOK

Non-profit organizations

State agencies-outreach & education (Dept. of Health, SLC

Green)

Community organizing & development

Revolutionary

COMM 4360 Consuming the Earth  
COMM 5360 Environmental Communication  
COMM 5365 Communicating Climate Change  
COMM 5490 Communication & Social Justice  
CMP 2010 Design Ecologies (BF)  
ECON 3250 Intro to Environmental & Natural Resource  
ECON 5560 Gender & Econ. Development in 3rd World  
ECS 3180 Home, School & Community Relations  
ECS 4111 School & Society (DV, CW, HF)  
\*ECS 5715 Urban Education  
ENGL 5080 Environmental Literature  
\*ENGL 5930 Theories of Race, Ethnicity, Nation  
ENVST 3280 Organic Gardening (AS)  
\*ENVST 3390 Sustainable Streams & Riparian Zones  
ENVST 3720 Environmental Health Disparities  
FCS/PSY 3620 Environment & Behavior  
FCS 5450 Nonprofit Community Organizations  
FCS 5730 Community and Environmental Change  
FILM 3520 Documentary & Social Justice (FF)  
GNDR 1100 Gender & Social Change (BF, DV)  
\*GNDR 5080 Gender, Power and Freedom  
\*HIST 4380 Environmental History (HF)  
PHIL 3310 Science & Society (HF)  
PHIL 3530 Environmental Ethics (HF)  
PHIL 3730 Justice & International Affairs (IR)  
PHIL 5530 Environmental Philosophy (HF)  
POLS 5540 Nonprofit Advocacy  
\*POLS 5625 International Ethics  
POLS 5810 Dem. Activism & Social Change/Research S  
\*PRT 5735 Youth Development  
SOC 3422 Social Movements  
SOC 3480 Environmental Sociology (IR)  
SOC 3486 Global Environmental Crisis  
THEA 4630 Theatre for Social Action

### Required Courses:

- LDRSP 2020 – Foundations in Leadership (3)
- LDRSP 4100 – Leadership Minor Practicum (4)
- LDRSP 4750 – Leadership Capstone (3)

### Category I – must choose 1 course:

- GNDR 3100 – Medusa & Manifestos (CW) (3)
- PHIL 3530 – Environmental Ethics (3)

### Category II – must choose 1 course:

- THEA 4630 – Theatre for Social Action (3)

### Category III – must choose 1 course:

- FILM 3520 – Documentary and Social Justice (FF) (3)
- MGT 3810 – Business and Professional Communication (CW) (3)

\*See website or advisor for full list at: [leadershipstudies.utah.edu](http://leadershipstudies.utah.edu)

# ENVST ECOLOGICAL LITERACY AND SOCIAL CHANGE WITH SOCIAL JUSTICE ADVOCACY CERTIFICATE

## Social Justice Advocacy Certificate – through Social Work

### REQUIRED CLASSES

ENVST 2000 Field Experience: Environment and Sustainability  
 ENVST 2050 Introduction to Environmental Science (SF)  
 ENVST 2100 Introduction to Environmental & Sustainability Studies (BF)  
*These three courses are pre-requisites for the upper division ENVST courses*

ENVST/GEOG 3210 Global Climate Change (SF)  
 \*ENVST 3364 Challenges to Global Sustainability (IR)  
 \*ENVST 3365 Environmental Justice (DV)  
 POLS 5322 Environmental Policy

#### Statistics Courses (select one)

\*COMM 3710 Intro to Quantitative Comm. Research (QI)  
 CMP 4010 Field Methods in Urban Ecology (QI)  
 FCS 3210 Statistics in Family & Consumer Studies (QI, QB)  
 \*GEOG 3020 Geographic Analysis (QI, QB)  
 \*POLS 5001 Quantitative Analysis in Political Science (QI)  
 SOC 3112 Social Statistics (QI, QB)

#### Writing Courses (select one)

COMM 4650 Environmental Reporting (CW)  
 CMP 4260 Land, Law, & Culture (CW)  
 \*GEOG 3400 Population Geography (CW)  
 GNDR 3100 Medusa & Manifestos: Identity & Protest (CW)  
 \*HONOR 3200 Writing in a Research University  
 \*MGT 3810 Business & Professional Communication (CW)  
 WRTG 3012 Writing in the Social Sciences (CW)  
 WRTG 3014 Scientific Writing (CW)  
 WRTG 3420 Environmental Writing (CW and HF)

#### Methods Courses (select one)

\*ANTH 4334 Population Issues in Anthropology (QI, QB)  
 \*CMP 4450 GIS for Urban Ecologists (QI)  
 \*COMM 4570 Visual Editing  
 \*ENVST 5180 Field Ecology  
 FCS 3200 Research Methods in Family and Consumer Studies  
 \*GEOG 3100 Introduction to GIS & Cartography (QI) (5cr)  
 POLS 3001 Political Analysis (QI, QB)  
 SOC 3111 Research Methods (CW)

#### To Be Completed in Your Last Year

\*ENVST 4800 Environmental & Sustainability Studies Internship  
 \*ENVST 5557 Capstone: Teaching Environmental Literacy



#### Electives (select seven courses)

ANTH 4186 Human Ecology (BF, SF)  
 ANTH 4245 Human Migration & Social Change (IR)  
 \*BIOL 3410 Ecology & Evolution  
 BIOL 3470 Conservation Biology (AS)  
 BIOL 3710 Biology, Society & Public Engagement  
 COMM 3115 Communicating Health, Science, Environmer  
 COMM 3290 Native American Activism (DV)  
 COMM 3030 Community & Social Responsibility (CW, HF)  
 COMM 4360 Consuming the Earth  
 COMM 5360 Environmental Communication  
 COMM 5365 Communicating Climate Change  
 COMM 5490 Communication & Social Justice  
 CMP 2010 Design Ecologies (BF)  
 ECON 3250 Intro to Environmental & Natural Resource Eco  
 ECON 5560 Gender & Econ. Development in 3rd World  
 ECS 3180 Home, School & Community Relations  
 ECS 4111 School & Society (DV, CW, HF)  
 \*ECS 5715 Urban Education  
 ENGL 5080 Environmental Literature  
 \*ENGL 5930 Theories of Race, Ethnicity, Nation  
 ENVST 3280 Organic Gardening (AS)  
 \*ENVST 3390 Sustainable Streams & Riparian Zones  
 ENVST 3720 Environmental Health Disparities  
 FCS/PSY 3620 Environment & Behavior  
 FCS 5450 Nonprofit Community Organizations  
 FCS 5730 Community and Environmental Change  
 FILM 3520 Documentary & Social Justice (FF)  
 GNDR 1100 Gender & Social Change (BF, DV)  
 \*GNDR 5080 Gender, Power and Freedom  
 \*HIST 4380 Environmental History (HF)  
 PHIL 3310 Science & Society (HF)  
 PHIL 3530 Environmental Ethics (HF)  
 PHIL 3730 Justice & International Affairs (IR)  
 PHIL 5530 Environmental Philosophy (HF)

Questions? Contact academic advisor [Elizabeth.Perez@utah.edu](mailto:Elizabeth.Perez@utah.edu) or instructor [Irene.Ota@socwk.utah.edu](mailto:Irene.Ota@socwk.utah.edu)

#### Required Core Courses (Complete 6)

- SW 3550 Social Diversity and Cultural Understanding (4 Credits) (DV)
- ENVST 3365 Environmental Justice (3 Credits) (DV, CEL) (Pre-req waived for certificate students)
- Either of these (choose one):
  - GNDR 2500 Here I Stand: An Intro to Gender Studies (3 Credits) (DV)
  - GNDR 3570 Introduction to LGBTQ Studies: Finding Out (3 Credits) (DV)
- DISAB 3000 Introduction to Disability Studies (3 Credits) (DV)
- Any of these (choose one)
  - THEA 1760 American Political Theatre (3 Credits) (DV, FF)
  - POLS 2200 Introduction to Comparative Politics (3 Credits) (BF)
  - POLS 3700 Urban Politics (3 Credits)
  - POLS 3010 Democratic Theory (3 Credits)
  - POLS 3680 Globalization and World Politics (3 Credits) (IR)
- SW 5535 Social Justice Advocacy Techniques and Skills (3 Credits) (Capstone course) (Pre-req SW 3550)

#### Global Understandings:

- Choose one of these:
  - SW 4100 Global Community-Based Research (3 Credits) (IR)
  - PHIL 3640 World Religions (3 Credits) (HF, IR)
  - PHIL 3730 Justice and International Affairs (3 Credits) (IR)
  - PRT 3610 The Global Citizen: Responsible Travel and International Life (3 Credits) (IR)
  - CLCS 3960 Cultures in Contact (1-3) (Pre-req: 2020 language course or equivalent)
  - GEOG 1400 Human Geography (3 Credits) (BF)

#### Dynamics of Power:

- Choose one of these:
  - COMM 3030 Communication and Social Responsibility (3 Credits) (HF, CW)
  - WRTG 3870 Writing as Social Practice (3 Credits) (HF)
  - WRTG 4890 Writing, Persuasion, and Power (3 Credits)
  - CMP 4260 Land, Law, and Culture (3 Credits) (CW)
  - SOC 3650 Population and Society (3 Credits) (IR, QI)
  - GNDR 3635 The Price of Gender (3 Credits) (QI)
  - ENTP 2030 Social Entrepreneurship and Innovation (3 Credits)
  - ENGL 3600 Introduction to Critical Theory (3 Credits) (CW) (Pre-Reqs ENGL 3850 or 2600)

#### Communicating with Stakeholders:

- Choose one of these:
  - COMM 1270 Analysis of Argument (3 Credits) (QB, HF)
  - COMM 5200 Persuasion and Political Communication (3 Credits)
  - ETHNC 5800 Theories and Research on Social Inequality (3 Credits)
  - CSD 4600 Diverse Populations with Communication Needs (3 Credits) (DV)
  - ECON 1010 Economics as a Social Science (3 Credits) (BF)

# ENVST ECOLOGICAL LITERACY AND SOCIAL CHANGE WITH DOCUMENTARY STUDIES MINOR

## REQUIRED CLASSES

ENVST 2000 Field Experience: Environment and Sustainability

ENVST 2050 Introduction to Environmental Science (SF)

ENVST 2100 Introduction to Environmental & Sustainability Studies (BF)

*These three courses are pre-requisites for the upper division ENVST courses*

ENVST/GEOG 3210 Global Climate Change (SF)

\*ENVST 3364 Challenges to Global Sustainability (IR)

\*ENVST 3365 Environmental Justice (DV)

POLS 5322 Environmental Policy

### Statistics Courses (select one)

\*COMM 3710 Intro to Quantitative Comm. Research (QI)

CMP 4010 Field Methods in Urban Ecology (QI)

FCS 3210 Statistics in Family & Consumer Studies (QI, QB)

\*GEOG 3020 Geographic Analysis (QI, QB)

\*POLS 5001 Quantitative Analysis in Political Science (QI)

SOC 3112 Social Statistics (QI, QB)

### Writing Courses (select one)

COMM 4650 Environmental Reporting (CW)

CMP 4260 Land, Law, & Culture (CW)

\*GEOG 3400 Population Geography (CW)

GNDR 3100 Medusa & Manifestos: Identity & Protest (CW)

\*HONOR 3200 Writing in a Research University

\*MGT 3810 Business & Professional Communication (CW)

WRTG 3012 Writing in the Social Sciences (CW)

WRTG 3014 Scientific Writing (CW)

WRTG 3420 Environmental Writing (CW and HF)

### Methods Courses (select one)

\*ANTH 4334 Population Issues in Anthropology (QI, QB)

\*CMP 4450 GIS for Urban Ecologists (QI)

\*COMM 4570 Visual Editing

\*ENVST 5180 Field Ecology

FCS 3200 Research Methods in Family and Consumer Studies

\*GEOG 3100 Introduction to GIS & Cartography (QI) (5cr)

POLS 3001 Political Analysis (QI, QB)

**SOC 3111 Research Methods (CW)**



### Electives (select seven courses)

**ANTH 4186 Human Ecology (BF, SF)**

ANTH 4245 Human Migration & Social Change (IR)

\*BIOL 3410 Ecology & Evolution

BIOL 3470 Conservation Biology (AS)

BIOL 3710 Biology, Society & Public Engagement

COMM 3115 Communicating Health, Science, Environment

COMM 3290 Native American Activism (DV)

COMM 3030 Community & Social Responsibility (CW, HF)

COMM 4360 Consuming the Earth

COMM 5360 Environmental Communication

COMM 5365 Communicating Climate Change

COMM 5490 Communication & Social Justice

CMP 2010 Design Ecologies (BF)

ECON 3250 Intro to Environmental & Natural Resource Econ

ECON 5560 Gender & Econ. Development in 3rd World

ECS 3180 Home, School & Community Relations

ECS 4111 School & Society (DV, CW, HF)

\*ECS 5715 Urban Education

ENGL 5080 Environmental Literature

\*ENGL 5930 Theories of Race, Ethnicity, Nation

ENVST 3280 Organic Gardening (AS)

\*ENVST 3390 Sustainable Streams & Riparian Zones

ENVST 3720 Environmental Health Disparities

**FCS/PSY 3620 Environment & Behavior**

FCS 5450 Nonprofit Community Organizations

FCS 5730 Community and Environmental Change

**FILM 3520 Documentary & Social Justice (FF)**

GNDR 1100 Gender & Social Change (BF, DV)

## Documentary Studies Minor

### Required Course:

- FILM 3100 – Intro to Documentary Studies (3)

### Electives:

Choose 4. Must be approved by advisor.

- ANTH 4186 – Human Ecology (3)
- FCS/PSY 3620 – Environment & Behavior (3)
- FILM 3520 – Documentary & Social Justice (3)
- SOC 3111 – Research Methods (CW) (3)
- See FILM website for full list: [film.utah.edu](http://film.utah.edu)

# ENVST ECOLOGICAL LITERACY AND SOCIAL CHANGE WITH SOCIOLOGY MINOR

## Sociology Minor

### Statistics Courses (select one)

- \*COMM 3710 Intro to Quantitative Comm. Research (QI)
- CMP 4010 Field Methods in Urban Ecology (QI)
- FCS 3210 Statistics in Family & Consumer Studies (QI, QB)
- \*GEOG 3020 Geographic Analysis (QI, QB)
- \*POLS 5001 Quantitative Analysis in Political Science (QI)
- SOC 3112 Social Statistics (QI, QB)**

### Writing Courses (select one)

- COMM 4650 Environmental Reporting (CW)
- CMP 4260 Land, Law, & Culture (CW)
- \*GEOG 3400 Population Geography (CW)
- GNDR 3100 Medusa & Manifestos: Identity & Protest (CW)
- \*HONOR 3200 Writing in a Research University
- \*MGT 3810 Business & Professional Communication (CW)
- WRTG 3012 Writing in the Social Sciences (CW)
- WRTG 3014 Scientific Writing (CW)
- WRTG 3420 Environmental Writing (CW and HF)

### Methods Courses (select one)

- \*ANTH 4334 Population Issues in Anthropology (QI, QB)
- \*CMP 4450 GIS for Urban Ecologists (QI)
- \*COMM 4570 Visual Editing
- \*ENVST 5180 Field Ecology
- FCS 3200 Research Methods in Family and Consumer Studies
- \*GEOG 3100 Introduction to GIS & Cartography (QI) (5cr)
- POLS 3001 Political Analysis (QI, QB)
- SOC 3111 Research Methods (CW)**

### To Be Completed in Your Last Year

- \*ENVST 4800 Environmental & Sustainability Studies Internship
- \*ENVST 5557 Capstone: Teaching Environmental Literacy

## CAREER OUTLOOK

- Non-profit organizations
- State agencies-outreach & education (Dept. of Health, SLC Green)
- Community organizing & development

- ANVT 4100 Human Ecology (DR, CR)
- ANTH 4245 Human Migration & Social C
- \*BIOL 3410 Ecology & Evolution
- BIOL 3470 Conservation Biology (AS)
- BIOL 3710 Biology, Society & Public Engi
- COMM 3115 Communicating Health, Sci
- COMM 3290 Native American Activism (I
- COMM 3030 Community & Social Respo
- COMM 4360 Consuming the Earth
- COMM 5360 Environmental Communica
- COMM 5365 Communicating Climate Ch
- COMM 5490 Communication & Social Ju
- CMP 2010 Design Ecologies (BF)
- ECON 3250 Intro to Environmental & Nat
- ECON 5560 Gender & Econ. Developmer
- ECS 3180 Home, School & Community R
- ECS 4111 School & Society (DV, CW, HF)
- \*ECS 5715 Urban Education
- ENGL 5080 Environmental Literature
- \*ENGL 5930 Theories of Race, Ethnicity,
- ENVST 3280 Organic Gardening (AS)
- \*ENVST 3390 Sustainable Streams & Rip
- ENVST 3720 Environmental Health Disp:
- FCS/PSY 3620 Environment & Behavior
- FCS 5450 Nonprofit Community Organiz
- FCS 5730 Community and Environment:
- FILM 3520 Documentary & Social Justice
- GNDR 1100 Gender & Social Change (BF,
- \*GNDR 5080 Gender, Power and Freedc
- \*HIST 4380 Environmental History (HF)
- PHIL 3310 Science & Society (HF)
- PHIL 3530 Environmental Ethics (HF)
- PHIL 3730 Justice & International Affairs
- PHIL 5530 Environmental Philosophy (H
- POLS 5540 Nonprofit Advocacy
- \*POLS 5625 International Ethics
- POLS 5810 Dem. Activism & Social Chan
- \*PRT 5735 Youth Development
- SOC 3422 Social Movements**
- SOC 3480 Environmental Sociology (IR)**
- SOC 3486 Global Environmental Crisis**
- THEA 4630 Theatre for Social Action

### SOCIOLOGY CORE

7 CREDITS

SOC 1010 INTRO TO SOCIOLOGY (4)

SOC 3140 SOCIAL THEORY (3)

-OR-

**SOC 3111 RESEARCH METHODS (3)**

### SOCIOLOGY ELECTIVE COURSES

12 CREDITS

**SOC 3480 – Environmental Sociology**

**SOC 3112 – Social Statistics (QI, QB)**

(3000+) **SOC 3422 – Social Movements**

(3000+) **SOC 3486 – Global Environmental Crisis**

**ELECTIVE HOURS:** SOCIOLOGY MINORS ARE REQUIRED TO COMPLETE A MINIMUM OF 12 CREDIT HOURS IN ELECTIVE SOCIOLOGY CLASSES, OF WHICH AT LEAST 6 CREDIT HOURS MUST BE UPPER DIVISION. (3000 LEVEL OR ABOVE) ELECTIVE HOURS CAN INCLUDE INTERNSHIP COURSES (SOC 3393, SOC 3593), SENIOR THESIS COURSES (SOC 3877, SOC4877) BUT NOT INDEPENDENT STUDY COURSES.



# ENVST ECOLOGICAL LITERACY AND SOCIAL CHANGE WITH GENDER STUDIES MINOR

## Gender Studies Minor

ENVST/GEORG 3210 Global Climate Change (SF)  
 \*ENVST 3364 Challenges to Global Sustainability (IR)  
 \*ENVST 3365 Environmental Justice (DV)  
 POLS 5322 Environmental Policy

### Statistics Courses (select one)

\*COMM 3710 Intro to Quantitative Comm. Research (QI)  
 CMP 4010 Field Methods in Urban Ecology (QI)  
 FCS 3210 Statistics in Family & Consumer Studies (QI, QB)  
 \*GEOG 3020 Geographic Analysis (QI, QB)  
 \*POLS 5001 Quantitative Analysis in Political Science (QI)  
 SOC 3112 Social Statistics (QI, QB)

### Writing Courses (select one)

COMM 4650 Environmental Reporting (CW)  
 CMP 4260 Land, Law, & Culture (CW)  
 \*GEOG 3400 Population Geography (CW)  
**GNDR 3100 Medusa & Manifestos: Identity & Protest (CW)**  
 \*HONOR 3200 Writing in a Research University  
 \*MGT 3810 Business & Professional Communication (CW)  
 WRTG 3012 Writing in the Social Sciences (CW)  
 WRTG 3014 Scientific Writing (CW)  
 WRTG 3420 Environmental Writing (CW and HF)

### Methods Courses (select one)

\*ANTH 4334 Population Issues in Anthropology (QI, QB)  
 \*CMP 4450 GIS for Urban Ecologists (QI)  
 \*COMM 4570 Visual Editing  
 \*ENVST 5180 Field Ecology  
 FCS 3200 Research Methods in Family and Consumer Studies  
 \*GEOG 3100 Introduction to GIS & Cartography (QI) (5cr)  
 POLS 3001 Political Analysis (QI, QB)  
 SOC 3111 Research Methods (CW)

### To Be Completed in Your Last Year

\*ENVST 4800 Environmental & Sustainability Studies Internship



### Electives (select seven courses)

ANTH 4186 Human Ecology (BF, SF)  
 ANTH 4245 Human Migration & Social Change (IR)  
 \*BIOL 3410 Ecology & Evolution  
 BIOL 3470 Conservation Biology (AS)  
 BIOL 3710 Biology, Society & Public Engagement  
 COMM 3115 Communicating Health, Science, Environment  
 COMM 3290 Native American Activism (DV)  
 COMM 3030 Community & Social Responsibility (CW, HF)  
 COMM 4360 Consuming the Earth  
 COMM 5360 Environmental Communication  
 COMM 5365 Communicating Climate Change  
 COMM 5490 Communication & Social Justice  
 CMP 2010 Design Ecologies (BF)  
 ECON 3250 Intro to Environmental & Natural Resource Econ  
**ECON 5560 Gender & Econ. Development in 3rd World**  
 ECS 3180 Home, School & Community Relations  
 ECS 4111 School & Society (DV, CW, HF)  
 \*ECS 5715 Urban Education  
 ENGL 5080 Environmental Literature  
 \*ENGL 5930 Theories of Race, Ethnicity, Nation  
 ENVST 3280 Organic Gardening (AS)  
 \*ENVST 3390 Sustainable Streams & Riparian Zones  
 ENVST 3720 Environmental Health Disparities  
 FCS/PSY 3620 Environment & Behavior  
 FCS 5450 Nonprofit Community Organizations  
 FCS 5730 Community and Environmental Change  
 FILM 3520 Documentary & Social Justice (FF)  
**GNDR 1100 Gender & Social Change (BF, DV)**  
**\*GNDR 5080 Gender, Power and Freedom**  
 \*HIST 4380 Environmental History (HF)

### INTRODUCTORY COURSES

3 CREDITS

- Introductory Course (complete one):**  
 GNDR 1100: Gender & Social Change (3) (DVBF)  
 GNDR 2500: Here I Stand: An Intro to Gender Studies (3) (DV)  
 GNDR 3690: Gender & Contemporary Issues (3) (DVBF/HF)

### INTERMEDIATE COURSES

COMPLETE TWO COURSES

6 CREDITS

- GNDR 3100: Medusas & Manifestos: Identity and Protest in the Information Age (3) (CW)  
 GNDR 3900: Introduction to Feminist Theories (3)

### ADVANCED COURSES

COMPLETE TWO COURSES

6 CREDITS

This is a list of common courses. Visit [catalog.utah.edu](http://catalog.utah.edu) for a full list of course offerings.

- |  |  |
|--|--|
| <input type="checkbox"/> GNDR 3400: Girls' Lives (3)                               | <input type="checkbox"/> GNDR 5755: Gender & Power in Latin America (3)            |
| <input type="checkbox"/> GNDR 3500: Where We Stand (3)                             | <input type="checkbox"/> GNDR 5760: Gender & Sexuality in Intl Literature (3) (IR) |
| <input type="checkbox"/> GNDR 3570: Intro to LGBTQ* Studies (3)                    | <input type="checkbox"/> GNDR 5765: Gender & War (3) (IR)                          |
| <input type="checkbox"/> GNDR 3573: Queer Representation in the Media (3)          | <input type="checkbox"/> GNDR 5770: Gender & Sexual Orientation (3)                |
| <input type="checkbox"/> GNDR 3635: Price of Gender (3) (QI)                       | <input type="checkbox"/> GNDR 5775: Gay Families in America (3)                    |
| <input type="checkbox"/> GNDR 3700: Transnational Feminisms                        | <input type="checkbox"/> GNDR 5880: Bad Bodies: Gender & Disability (3)            |
| <input type="checkbox"/> GNDR 3950: Independent Study (1-3)                        | <input type="checkbox"/> GNDR 5940: Theories of Gender & Sexuality (3)             |
| <input type="checkbox"/> GNDR 3960: Special Topics (1-3)                           | <input type="checkbox"/> GNDR 5950: Independent Study (1-3)                        |
| <input type="checkbox"/> GNDR 4900: Masculinities (3)                              | <input type="checkbox"/> GNDR 5960: Special Topics (1-3)                           |
| <input type="checkbox"/> GNDR 5070: Sex, Love, Race (3)                            | <input type="checkbox"/> GNDR 5970: Special Topics: Disciplinary Seminary (3)      |
| <input type="checkbox"/> GNDR 5080: Gender, Power, Freedom (3)                     | <input type="checkbox"/> GNDR 5980: Special Topics: Advanced Theory (3)            |
| <input type="checkbox"/> GNDR 5090: Advanced Feminist Theories (3)                 | <input type="checkbox"/> GNDR 5990: Internship (1-3)                               |
| <input type="checkbox"/> GNDR 5120: Gender & Nature (3)                            | <input type="checkbox"/>   |
| <input type="checkbox"/> GNDR 5573: Teaching Queer Representation in the Media (3) |  |
| <input type="checkbox"/> GNDR 5550: Men of Color Masculinities (3)                 |  |
| <input type="checkbox"/> GNDR 5600: Women of Color Feminisms (3)                   |  |
| <input type="checkbox"/> GNDR 5660: Gender Theory & Community Organizing (3)       |  |
| <input type="checkbox"/> GNDR/ETHNC 5665: Gender on the Hill (3)                   |  |

### ELECTIVES

COMPLETE TWO COURSES

6 CREDITS

Students can take additional advanced courses or choose from the list below.

View a full list of course offerings at [catalog.utah.edu](http://catalog.utah.edu).

- GNDR/ECON 5560: Gender and Economic Development in the Third World (3)  
 GNDR 5755: Gender & Power in Latin America (3)  
 GNDR 5760: Gender & Sexuality in Intl Literature (3) (IR)  
 GNDR 5765: Gender & War (3) (IR)  
 GNDR 5770: Gender & Sexual Orientation (3)  
 GNDR 5775: Gay Families in America (3)  
 GNDR 3950/5950: Independent Study (1-3)  
 GNDR 3960/5960: Special Topics (1-3)  
 GNDR 5970: Special Topics (3)  
 GNDR 5980: Special Topics (3)  
 GNDR 5990: Internship (1-3)

See Gender Studies  
advisor for all options

# ENVST ECOLOGICAL LITERACY AND SOCIAL CHANGE WITH CONSUMER & COMMUNITY STUDIES MINOR

## Consumer and Community Studies (CCS) Minor

### Statistics Courses (select one)

\*COMM 3710 Intro to Quantitative Comm. Research (QI)  
CMP 4010 Field Methods in Urban Ecology (QI)  
FCS 3210 Statistics in Family & Consumer Studies (QI, QB)  
\*GEOG 3020 Geographic Analysis (QI, QB)  
\*POLS 5001 Quantitative Analysis in Political Science (QI)  
SOC 3112 Social Statistics (QI, QB)

### Writing Courses (select one)

COMM 4650 Environmental Reporting (CW)  
CMP 4260 Land, Law, & Culture (CW)  
\*GEOG 3400 Population Geography (CW)  
GNDR 3100 Medusa & Manifestos: Identity & Protest (CW)  
\*HONOR 3200 Writing in a Research University  
\*MGT 3810 Business & Professional Communication (CW)  
WRTG 3012 Writing in the Social Sciences (CW)  
WRTG 3014 Scientific Writing (CW)  
WRTG 3420 Environmental Writing (CW and HF)

### Methods Courses (select one)

\*ANTH 4334 Population Issues in Anthropology (QI, QB)  
\*CMP 4450 GIS for Urban Ecologists (QI)  
\*COMM 4570 Visual Editing  
\*ENVST 5180 Field Ecology  
FCS 3200 Research Methods in Family and Consumer Studies  
\*GEOG 3100 Introduction to GIS & Cartography (QI) (5cr)  
POLS 3001 Political Analysis (QI, QB)  
SOC 3111 Research Methods (CW)

### To Be Completed in Your Last Year

\*ENVST 4800 Environmental & Sustainability Studies Internship  
\*ENVST 5557 Capstone: Teaching Environmental Literacy

### ANTH 4100 Human Ecology (DF, DF)

ANTH 4245 Human Migration & Social Change (IR)  
\*BIOL 3410 Ecology & Evolution  
BIOL 3470 Conservation Biology (AS)  
BIOL 3710 Biology, Society & Public Engagement  
COMM 3115 Communicating Health, Science, Environ  
COMM 3290 Native American Activism (DV)  
COMM 3030 Community & Social Responsibility (C)  
COMM 4360 Consuming the Earth  
COMM 5360 Environmental Communication  
COMM 5365 Communicating Climate Change  
COMM 5490 Communication & Social Justice  
CMP 2010 Design Ecologies (BF)  
ECON 3250 Intro to Environmental & Natural Resou  
ECON 5560 Gender & Econ. Development in 3rd Wr  
ECS 3180 Home, School & Community Relations  
ECS 4111 School & Society (DV, CW, HF)  
\*ECS 5715 Urban Education  
ENGL 5080 Environmental Literature  
\*ENGL 5930 Theories of Race, Ethnicity, Nation  
ENVST 3280 Organic Gardening (AS)  
\*ENVST 3390 Sustainable Streams & Riparian Zone  
ENVST 3720 Environmental Health Disparities  
FCS/PSY 3620 Environment & Behavior  
FCS 5450 Nonprofit Community Organizations  
FCS 5730 Community and Environmental Change  
FILM 3520 Documentary & Social Justice (FF)  
GNDR 1100 Gender & Social Change (BF, DV)  
\*GNDR 5080 Gender, Power and Freedom  
\*HIST 4380 Environmental History (HF)  
PHIL 3310 Science & Society (HF)  
PHIL 3530 Environmental Ethics (HF)

Minimum CCS Minor Hours: 15 (at least 6 semester hours for the CCS major must be completed at the University of Utah). All CCS minor courses must be completed with a letter grade of C- or better.

### 1. CCS CORE (6 Credit Hours)

FCS 3450 Family Economic Issues (QI/BF) –or FCS 3500 Financial Skills for Life 3  
FCS 3600 Consumer and Community Policy 3

### 2. CCS ELECTIVES (9 Credit Hours, at least 3 credits at 5000 level)

FCS 3180 Family, School, & Community Connections  
FCS 3420 Housing Policy and Issues  
FCS 3430 Family Advocacy and Policy  
FCS 3450 Family Economic Issues  
FCS 3470 International Consumer Policy  
FCS 3500 Financial Skills for Life  
FCS 3620 Environmental Psychology & Sustainability  
FCS 5200 Family and Social Policy  
FCS 5430 Families, Consumers, & Health  
FCS 5450 Nonprofit community Organizations  
FCS 5510 Building Family Wealth  
FCS 5520 Retirement and Benefits Planning for Families  
FCS 5530 Income Tax Planning for Families  
FCS 5540 Protecting Family Wealth  
FCS 5550 Family Financial Planning Capstone  
FCS 5590 Intensive Spanish Culture and Community  
FCS 5630 Healthy Communities  
FCS 5700 Analyzing Community Growth: An Evidence-based Approach  
FCS 5730 Community & Environmental Change  
FCS 5950 Undergraduate Research  
FCS 5962/5964 Special Topics in CCS  
HNKLY 4900/4901/4902/4903 Internships  
OR HNKLY 4910 Washington DC Encounter

# ENVST ECOLOGICAL LITERACY AND SOCIAL CHANGE WITH PHILOSOPHY MINOR

## Philosophy Minor

Areas	Minimum	Qualified Courses
I Ethics and Value Theory	One course	3011*, 3500, 3510, 3520, <b>3530</b> , 3700, 3710 3720, <b>3730</b> , 3740, 3750, 3800, 3820, 4540, 5130, 5191*, 5500, 5510, 5520, <b>5530</b> , 5540, 5700, 5710, 5800
II Metaphysics and Epistemology	One course	3012*, 3300, <b>3310</b> , 3350, 3370, 3375, 3400, 3440, 3600, 4380, 4400, 4450, 4480, 5192*, 5300, 5350+, 5370+, 5375+, 5400*, 5450, 5480*
III History of Philosophy	One course	3013*, 3810, 4110, 4120, 4130, 4140, 5040, 5060, 5110, 5120*, 5150*, 5193*, 5360
IV Logic and Formal Methods	One course	1250, 3200, 3210, 5200, 5210, 5220

### Advanced Course Requirement

At least one course of the total 18 units must come from the 5000-level (or higher). These advanced courses do at the same time satisfy an Area Requirement, as indicated in the above table. (Note: the Advanced Course Requirement may not be satisfied by "independent study" coursework.)

### Elective Requirement

Additional courses may be needed to bring your total to 18 units. Every course the philosophy department offers counts towards the Elective Requirement. Note that two kinds of courses count only towards this requirement, not meeting any other requirement. First, all lower division courses count as electives (i.e., 1000 level and 2000 level courses). Second, the four specifically religion-oriented courses we offer: Phil 3610 (Religions of India), Phil 3620 (Religions of China and Japan), Phil 3630 (Buddhist Thought), and Phil 3640 (World Religions). Since these courses are not primarily philosophical in content, they do not count towards any of our specific philosophy requirements, but they do count for the Elective Requirement. The historical explanation of why the philosophy department offers these courses is that U of Utah does not have a Religion Department, the natural home for such courses. Note that Phil 3600 (Philosophy of Religion) is a philosophy course, and it meets the Area II requirement.

### Writing Courses (select one)

**COMM 4650** Environmental Reporting (CW)  
**CMP 4260** Land, Law, & Culture (CW)  
**\*GEOG 3400** Population Geography (CW)  
**GNDR 3100** Medusa & Manifestos: Identity & Protest (CW)  
**\*HONOR 3200** Writing in a Research University  
**\*MGT 3810** Business & Professional Communication (CW)  
**WRTG 3012** Writing in the Social Sciences (CW)  
**WRTG 3014** Scientific Writing (CW)  
**WRTG 3420** Environmental Writing (CW and HF)

### Methods Courses (select one)

**\*ANTH 4334** Population Issues in Anthropology (QI, QB)  
**\*CMP 4450** GIS for Urban Ecologists (QI)  
**\*COMM 4570** Visual Editing  
**\*ENVST 5180** Field Ecology  
**FCS 3200** Research Methods in Family and Consumer Studies  
**\*GEOG 3100** Introduction to GIS & Cartography (QI) (5cr)  
**POLS 3001** Political Analysis (QI, QB)  
**SOC 3111** Research Methods (CW)

### To Be Completed in Your Last Year

**\*ENVST 4800** Environmental & Sustainability Studies Internship  
**\*ENVST 5557** Capstone: Teaching Environmental Literacy

**COMM 4360** Consuming the Earth  
**COMM 5360** Environmental Communication  
**COMM 5365** Communicating Climate Change  
**COMM 5490** Communication & Social Justice  
**CMP 2010** Design Ecologies (BF)  
**ECON 3250** Intro to Environmental & Natural Res  
**ECON 5560** Gender & Econ. Development in 3rd  
**ECS 3180** Home, School & Community Relations  
**ECS 4111** School & Society (DV, CW, HF)  
**\*ECS 5715** Urban Education  
**ENGL 5080** Environmental Literature  
**\*ENGL 5930** Theories of Race, Ethnicity, Nation  
**ENVST 3280** Organic Gardening (AS)  
**\*ENVST 3390** Sustainable Streams & Riparian Zo  
**ENVST 3720** Environmental Health Disparities  
**FCS/PSY 3620** Environment & Behavior  
**FCS 5450** Nonprofit Community Organizations  
**FCS 5730** Community and Environmental Chang  
**FILM 3520** Documentary & Social Justice (FF)  
**GNDR 1100** Gender & Social Change (BF, DV)  
**\*GNDR 5080** Gender, Power and Freedom  
**\*HIST 4380** Environmental History (HF)  
**PHIL 3310** Science & Society (HF)  
**PHIL 3530** Environmental Ethics (HF)  
**PHIL 3730** Justice & International Affairs (IR)  
**PHIL 5530** Environmental Philosophy (HF)

# ENVST ECOLOGICAL LITERACY & SOCIAL CHANGE WITH ECONOMICS MINOR

## Economics Minor

All courses must be completed with a minimum  
letter grade of C-

As of November 2016

### REQUIRED CLASSES

**ENVST 2000** Field Experience: Environment and Sustainability  
**ENVST 2050** Introduction to Environmental Science (SF)  
**ENVST 2100** Introduction to Environmental & Sustainability Studies (BF)  
*These three courses are pre-requisites for the upper division ENVST courses*

**ENVST/GEOG 3210** Global Climate Change (SF)  
 \***ENVST 3364** Challenges to Global Sustainability (IR)  
 \***ENVST 3365** Environmental Justice (DV)  
**POLS 5322** Environmental Policy

**Statistics Courses** (select one)  
 \***COMM 3710** Intro to Quantitative Comm. Research (QI)  
**CMP 4010** Field Methods in Urban Ecology (QI)  
**FCS 3210** Statistics in Family & Consumer Studies (QI, QB)  
 \***GEOG 3020** Geographic Analysis (QI, QB)  
 \***POLS 5001** Quantitative Analysis in Political Science (QI)  
**SOC 3112** Social Statistics (QI, QB)

**Writing Courses** (select one)  
**COMM 4650** Environmental Reporting (CW)  
**CMP 4260** Land, Law, & Culture (CW)  
 \***GEOG 3400** Population Geography (CW)  
**GNDR 3100** Medusa & Manifestos: Identity & Protest (CW)  
 \***HONOR 3200** Writing in a Research University  
 \***MGT 3810** Business & Professional Communication (CW)  
**WRTG 3012** Writing in the Social Sciences (CW)  
**WRTG 3014** Scientific Writing (CW)  
**WRTG 3420** Environmental Writing (CW and HF)



**Electives** (select seven courses)  
**ANTH 4186** Human Ecology (BF, SF)  
**ANTH 4245** Human Migration & Social Change (IR)  
 \***BIOL 3410** Ecology & Evolution  
**BIOL 3470** Conservation Biology (AS)  
**BIOL 3710** Biology, Society & Public Engagement  
**COMM 3115** Communicating Health, Science, Environment  
**COMM 3290** Native American Activism (DV)  
**COMM 3030** Community & Social Responsibility (CW, HF)  
**COMM 4360** Consuming the Earth  
**COMM 5360** Environmental Communication  
**COMM 5365** Communicating Climate Change  
**COMM 5490** Communication & Social Justice  
**CMP 2010** Design Ecologies (BF)  
**ECON 3250** Intro to Environmental & Natural Resource Economics  
**ECON 5560** Gender & Econ. Development in 3rd World  
**ECS 3180** Home, School & Community Relations  
**ECS 4111** School & Society (DV, CW, HF)  
 \***ECS 5715** Urban Education

#### Principles/Core Courses: Must complete both courses

- ECON 2010—Principles of Microeconomics (BF)
- ECON 2020—Principles of Macroeconomics (BF)

#### History/Theory/Thought: Must complete one course

- ECON 4010—Intermediate Microeconomics (QI)
- ECON 4020—Intermediate Macroeconomics (QI)
- ECON 5050—John Maynard Keynes
- ECON 5060—History of Economic Doctrines
- ECON 5080—Marxian Economics (CW)
- ECON 5400—Middle East Economic History
- ECON 5410—Survey of European Economic History
- ECON 5420—China and the Global Economy
- ECON 5430—Asian Economic History & Development (IR)
- ECON 5460—Latin American Economic History & Development
- ECON 5470—Industrial & Economic Development: The American Case (CW )

#### Elective Courses: Must complete three courses\*

- ECON 3250 – Intro to Natural Resource Economics**
- ECON 5560 – Gender & Economics Development**
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\* Electives must be 3000 level or higher Economics courses. ECON 3905, ECON 3640 and ECON 3620 may not be used to fulfill the elective requirement. Consult the Bachelor of Economics course requirements for the list of qualifying elective courses.

# ENVST ECOLOGICAL LITERACY & SOCIAL CHANGE WITH APPLIED ETHICS MINOR

## Applied Ethics Minor

### REQUIRED CLASSES

ENVST 2000 Field Experience: Environment and Sustainability  
ENVST 2050 Introduction to Environmental Science (SF)  
ENVST 2100 Introduction to Environmental & Sustainability Studies (BF)  
*These three courses are pre-requisites for the upper division ENVST courses*

ENVST/GEOG 3210 Global Climate Change (SF)  
\*ENVST 3364 Challenges to Global Sustainability (IR)  
\*ENVST 3365 Environmental Justice (DV)

**POLS 5322 Environmental Policy**

Statistics Courses (select one)

\*COMM 3710 Intro to Quantitative Comm. Research (QI)  
CMP 4010 Field Methods in Urban Ecology (QI)  
FCS 3210 Statistics in Family & Consumer Studies (QI, QB)  
\*GEOG 3020 Geographic Analysis (QI, QB)  
\*POLS 5001 Quantitative Analysis in Political Science (QI)  
SOC 3112 Social Statistics (QI, QB)

Writing Courses (select one)

COMM 4650 Environmental Reporting (CW)  
CMP 4260 Land, Law, & Culture (CW)  
\*GEOG 3400 Population Geography (CW)  
GNDR 3100 Medusa & Manifestos: Identity & Protest (CW)  
\*HONOR 3200 Writing in a Research University  
\*MGT 3810 Business & Professional Communication (CW)  
WRTG 3012 Writing in the Social Sciences (CW)  
WRTG 3014 Scientific Writing (CW)  
WRTG 3420 Environmental Writing (CW and HF)

Methods Courses (select one)

\*ANTH 4334 Population Issues in Anthropology (QI, QB)  
\*CMP 4450 GIS for Urban Ecologists (QI)  
\*COMM 4570 Visual Editing  
\*ENVST 5180 Field Ecology  
FCS 3200 Research Methods in Family and Consumer Studies  
\*GEOG 3100 Introduction to GIS & Cartography (QI) (5cr)  
POLS 3001 Political Analysis (QI, QB)  
SOC 3111 Research Methods (CW)

To Be Completed in Your Last Year

\*ENVST 4800 Environmental & Sustainability Studies Internship  
\*ENVST 5557 Capstone: Teaching Environmental Literacy



Electives (select seven courses)

ANTH 4186 Human Ecology (BF, SF)  
ANTH 4245 Human Migration & Social Change (IR)  
\*BIOL 3410 Ecology & Evolution  
BIOL 3470 Conservation Biology (AS)  
BIOL 3710 Biology, Society & Public Engagement  
COMM 3115 Communicating Health, Science, Envi  
COMM 3290 Native American Activism (DV)  
COMM 3030 Community & Social Responsibility (C  
COMM 4360 Consuming the Earth  
COMM 5360 Environmental Communication  
COMM 5365 Communicating Climate Change  
COMM 5490 Communication & Social Justice  
CMP 2010 Design Ecologies (BF)  
ECON 3250 Intro to Environmental & Natural Resou  
ECON 5560 Gender & Econ. Development in 3rd W  
ECS 3180 Home, School & Community Relations  
ECS 4111 School & Society (DV, CW, HF)  
\*ECS 5715 Urban Education  
ENGL 5080 Environmental Literature  
\*ENGL 5930 Theories of Race, Ethnicity, Nation  
ENVST 3280 Organic Gardening (AS)  
\*ENVST 3390 Sustainable Streams & Riparian Zone  
ENVST 3720 Environmental Health Disparities  
FCS/PSY 3620 Environment & Behavior  
FCS 5450 Nonprofit Community Organizations  
FCS 5730 Community and Environmental Change  
FILM 3520 Documentary & Social Justice (FF)  
GNDR 1100 Gender & Social Change (BF, DV)  
\*GNDR 5080 Gender, Power and Freedom  
\*HIST 4380 Environmental History (HF)  
PHIL 3310 Science & Society (HF)  
**PHIL 3530 Environmental Ethics (HF)**

#### ▼ Area I: Theories of Ethics and Moral Dimensions of Political/Public Life

Select **at least two** courses from the following:

- PHIL 3500 Ethics (HF)
- PHIL 3700 Political Philosophy (HF)
- PHIL 5500 Contemporary Ethical Theory
- POLS 3010 Democratic Theory
- POLS 5010 Foundations of Political Thought: Late Modern
- POLS 5025 American Political Thought
- POLS 5035 Contemporary Political Thought
- POLS 5140 Feminist Political Theory

#### ▼ Area II: Theories Applied and Growing Out of Specific Issues Areas

Select **at least two** courses from one of the following groups. Note that both of these courses must be taken from the same group.

##### Group C: Engineering & Environmental Ethics

- PHIL 3510 Business and Professional Ethics (HF)
- **PHIL 3530 Environmental Ethics (HF)**
- PHIL 3730 Justice & International Affairs (IR)
- PHIL 4540 Engineering, Ethics, & Society (HF)
- **POLS 5322 Environmental Policy**

#### ▼ Area III: Specific Coursework in Applied Areas

The student must take at least two courses, to be approved by Leslie Francis, from any fields where applied ethics are treated. To fulfill this requirement, students are encouraged to take courses in their major which also have an emphasis on ethics.

#### ▼ Area IV: Elective

Students must take one additional course, to be selected from either Area I or Area II (please see above). This will permit students either 1) to deepen their understanding of (meta)-theory; or 2) to select an applied theory course from an area other than that chosen already for emphasis, thus allowing for comparative theoretical analysis and application.

# ENVST ECOLOGICAL LITERACY & SOCIAL CHANGE WITH GEOGRAPHY MINOR

## REQUIRED CLASSES

ENVST 2000 Field Experience: Environment and Sustainability  
 ENVST 2050 Introduction to Environmental Science (SF)  
 ENVST 2100 Introduction to Environmental & Sustainability Studies (BF)  
*These three courses are pre-requisites for the upper division ENVST courses*

**ENVST/GEOG 3210 Global Climate Change (SF)**  
 \*ENVST 3364 Challenges to Global Sustainability (IR)  
 \*ENVST 3365 Environmental Justice (DV)  
 POLS 5322 Environmental Policy

**Statistics Courses (select one)**  
 \*COMM 3710 Intro to Quantitative Comm. Research (QI)  
 CMP 4010 Field Methods in Urban Ecology (QI)  
 FCS 3210 Statistics in Family & Consumer Studies (QI, QB)  
**\*GEOG 3020 Geographic Analysis (QI, QB)**  
 \*POLS 5001 Quantitative Analysis in Political Science (QI)  
 SOC 3112 Social Statistics (QI, QB)

**Writing Courses (select one)**  
 COMM 4650 Environmental Reporting (CW)  
 CMP 4260 Land, Law, & Culture (CW)  
**\*GEOG 3400 Population Geography (CW)**  
 GNDR 3100 Medusa & Manifestos: Identity & Protest (CW)  
 \*HONOR 3200 Writing in a Research University  
 \*MGT 3810 Business & Professional Communication (CW)  
 WRTG 3012 Writing in the Social Sciences (CW)  
 WRTG 3014 Scientific Writing (CW)  
 WRTG 3420 Environmental Writing (CW and HF)

**Methods Courses (select one)**  
 \*ANTH 4334 Population Issues in Anthropology (QI, QB)  
 \*CMP 4450 GIS for Urban Ecologists (QI)  
 \*COMM 4570 Visual Editing  
 \*ENVST 5180 Field Ecology  
 FCS 3200 Research Methods in Family and Consumer Studies  
**\*GEOG 3100 Introduction to GIS & Cartography (QI) (Scr)**  
 POLS 3001 Political Analysis (QI, QB)  
 SOC 3111 Research Methods (CW)



**Electives (select seven courses)**  
 ANTH 4186 Human Ecology (BF, SF)  
 ANTH 4245 Human Migration & Social Change (IR)  
 \*BIOL 3410 Ecology & Evolution  
 BIOL 3470 Conservation Biology (AS)  
 BIOL 3710 Biology, Society & Public Engagement  
 COMM 3115 Communicating Health, Science, Environ  
 COMM 3290 Native American Activism (DV)  
 COMM 3030 Community & Social Responsibility (CW,  
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 CMP 2010 Design Ecologies (BF)  
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 ENVST 3280 Organic Gardening (AS)  
**\*ENVST 3390 Sustainable Streams & Riparian Zones**  
 ENVST 3720 Environmental Health Disparities  
 FCS/PSY 3620 Environment & Behavior  
 FCS 5450 Nonprofit Community Organizations  
 FCS 5730 Community and Environmental Change  
 FILM 3520 Documentary & Social Justice (FF)

## Geography Minor

Course Number and Title	Credit Hrs
<b>Required Courses</b>	
GEOG 1000 – Earth Environments and Global Change	3
GEOG 1400 – Human Geography	3
<b>GEOG 3100 – Introduction to GIS &amp; Cartography (Fall /+online Spring &amp; Summer)</b>	<b>5</b>
<b>Elective Courses—upper division courses (≥ 3000)</b>	
GEOG 3### – <b>Choose from: GEOG 3020, 3400, and/or</b>	
GEOG 3### – <b>3390</b>	
GEOG 3###	
<b>TOTAL COURSES (min. 6)</b>	
<b>TOTAL RESIDENCY HRS. (12 cr. hrs. at U of U Geog. Dept.)</b>	

All courses for the minor must be taken for a letter grade and completed with a C- or better