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

**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-requirements for the upper division ENVST courses.

ENVST/GEOG 3210 Global Climate Change (SP)
*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 2020 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)
*MGMT 3810 Business & Professional Communication (CW)
WRTG 3014 Scientific Writing (CW)
WRTG 3420 Environmental Writing (CW, HF)

**Electives** (select seven courses)

<table>
<thead>
<tr>
<th>Course #</th>
<th>Title</th>
<th>Sem/Year</th>
<th>Grade</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>1010</td>
<td>Culture and the Human Experience [BF]</td>
<td>/</td>
<td></td>
<td></td>
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</table>

Choose one of the following:

<table>
<thead>
<tr>
<th>Course #</th>
<th>Title</th>
<th>Sem/Year</th>
<th>Grade</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>1030</td>
<td>World Prehistory: An Introduction (Archaeology) [BF]</td>
<td>/</td>
<td></td>
<td></td>
</tr>
<tr>
<td>1050</td>
<td>Evolution of Human Nature [SF]</td>
<td>/</td>
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<td></td>
</tr>
</tbody>
</table>

12 Additional hours required: (6 hours at 3000 level or above - limited summer offerings)

<table>
<thead>
<tr>
<th>Course #</th>
<th>Title</th>
<th>Sem/Year</th>
<th>Grade</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>4186</td>
<td>Human Ecology</td>
<td>/</td>
<td></td>
<td></td>
</tr>
<tr>
<td>4334</td>
<td>Population Issues in ANTH (QI, QB)</td>
<td>/</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

TOTAL HOURS -- Minimum of 18 semester credit hours
(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.*
## PRT Minor

<table>
<thead>
<tr>
<th>Course #</th>
<th>Course Name</th>
<th>Credits</th>
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<tbody>
<tr>
<td>PRT 1110</td>
<td>Leisure in Your Life</td>
<td>3</td>
</tr>
<tr>
<td>PRT 3100</td>
<td>Foundations of Parks, Recreation, and Tourism</td>
<td>3</td>
</tr>
</tbody>
</table>

**Sub-Total** 3

**Select one of the following:**

<table>
<thead>
<tr>
<th>Course #</th>
<th>Course Name</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>PRT 3310</td>
<td>Leisure Behavior and Human Diversity</td>
<td>3</td>
</tr>
<tr>
<td>PRT 3320</td>
<td>Programming and Leadership</td>
<td>4</td>
</tr>
<tr>
<td>PRT 3207</td>
<td>PRT Management</td>
<td>3</td>
</tr>
</tbody>
</table>

**Sub-Total** 3-4

**Select 12 upper division credit hours from approved courses in ONE emphasis area:**

- Commercial, Community, and Sport Management
- Sustainable Tourism and Hospitality Management
- Outdoor Recreation Studies

**Sub-Total** 12

**Total** 18-19

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### 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

- CMP 3200 Ecology of Human Settlements
- CMP 4710 Introduction to Transportation Planning
- COMM 3360 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
ENVST Land Management, Conservation & Place with Geography Minor

**Geography Minor**

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

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**Course Number and Title**

<table>
<thead>
<tr>
<th>Course Number and Title</th>
<th>Credit Hrs</th>
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</thead>
<tbody>
<tr>
<td>Required Courses</td>
<td></td>
</tr>
<tr>
<td>GEOG 1000 – Earth Environments and Global Change</td>
<td>3</td>
</tr>
<tr>
<td>GEOG 1400 – Human Geography</td>
<td>3</td>
</tr>
<tr>
<td>GEOG 3100 – Introduction to GIS &amp; Cartography (Fall/online Spring &amp; Summer)</td>
<td>5</td>
</tr>
<tr>
<td>Elective Courses—upper division courses (≥3000)</td>
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</tr>
<tr>
<td>GEOG 3### – Choose from: GEOG 3350, 3200, 3390</td>
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</tr>
<tr>
<td>GEOG 3### – 3/5270, and/or 3020</td>
<td></td>
</tr>
<tr>
<td>GEOG 3###</td>
<td></td>
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</table>

**TOTAL COURSES** (min. 6)

**TOTAL RESIDENCY HRS.** (12 cr. hrs. at U of U Geog. Dept.)

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**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 2540 Intro to Plant Biology
- BIOL 3410 Ecology & Evolution
- BIOL 3450 Rain Forest Ecology & Conservation (BF, SF)
- BIOL 3710 Biology, Society & Public Engagement
- BIOL 3740 Conservation Biology (AS)
- BIOL 3855 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 Engineering (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 Deparities
- 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 & Environment Management (BF)
- GEOG 3380 Wilderness Issues and Management
- GEOG 3385 Environmental Assessment

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**Statistics Courses** (select one)

- COMM 3710 Intro to Quantitative Comm. Research (QI)
- CMP 4010 Field Studies in Urban Ecology (QI)
- GEOG 3330 Geographic Analysis (QI, Q8)
- POLS 3001 Quantitative Analysis in Political Science (QI)
- SOC 3112 Social Statistics (QI, Q8)

**Writing Courses** (select one)

- COMM 4650 Environmental Reporting (CW)
- CMP 4260 Land, Law, & Culture (CW)
- GEOG 3/5270 Global Patterns of Life (CW, SF)

**Methods Courses** (select one)

- ANTH 4334 Population Issues in Anthropology (QI, Q8)
- BIOI 2355 Field Botany (2 cr)
- *CMP 4450 GIS for Urban Ecologists (QI)
- *GEOG 3400 Computational & Field Meth in Applied Geology (2 cr)
- *GEOG 3190 Introduction to GIS & Cartography (QI, IS Q8)
- *GEOG 5712 Paleoenvironmental Field Methods
- POLS 3080 Political Analysis (QI, Q8)
- *PRT 3780 Program & Service Evaluation in Parks, Recreation & Tourism (QI, Q8)
- SOC 3111 Research Methods (CW)

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**To Be Completed in Your Last Year**

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

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**CAREER OUTLOOK**

Bureau of Land Management
1-800 Forest Service
ENVST LAND MANAGEMENT, CONSERVATION, & PLACE WITH EARTH SCIENCE MINOR

Earth Science Minor

REQUIRED COURSES:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
<th>Prerequisites</th>
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<tbody>
<tr>
<td>GEO 1100</td>
<td>EVOLVING EARTH</td>
<td>3</td>
<td>N/A</td>
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<tr>
<td>GEO 2500</td>
<td>WASATCH IN THE FIELD</td>
<td>3</td>
<td>N/A</td>
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<tr>
<td><strong>TOTAL</strong></td>
<td><strong>6</strong></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

EARTH SCIENCE MINOR

**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**

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)  
*GEOG 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

**ELECTIVES: COMPLETE 6 CREDIT HOURS**

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

*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.
Consumer and Community Studies (CCS) Minor

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 Conservation Biology (AS)
   FCS 3485 Conservation Biology Lab (1 cr)
   FCS 3485 Natural History of the Colorado Plateau
   FCS 5450 Desert Ecology Field Course
   FCS 5460 Plant Ecology in a Changing World
   FCS 1210/1215 General Chemistry & Lab I (SF)
   CMP 2010 Design Ecologies (BE)
   CMP 3100 Planning Theory & Practice
   CMP 3200 Ecology of Human Settlements
   CMP 4710 Introduction to Transportation Planning
   COMM 5360 Environmental Communication
   ECON 2250 Intro to Env. & Natural Resource Economics (BE)
   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 3720E Environmental Health Disparities
   FCS/PSY 3620 Environmental Psychology & Sustainability
   FCS 5000 Environmental Education
   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 3290 Geomorphology: Mountains, Rivers, Deserts (SF)
   GEOG 3350 Resource Conservation & Environment Management (BF)
   GEOG 3380 Wilderness Issues and Management

3. CCS INTERNSHIPS
   HNKLY 4900/4901/4902/4903 Internships
   OR HNKLY 4910 Washington DC Encounter
ENVST Land Management, Conservation, & Place with Urban Ecology Minor

**Statistics Courses** (select one)
- *COMM 3710* Intro to Quantitative Comm. Research (QI)
- *GEOG 3020* Geographic Analysis (QI, QB)
- *POLS 3001* 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)
- *MGMT 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)
- *GEOG 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 3790* 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 4010* Design Ecologies (BF)
- *CMP 3000* Design Contexts (3)
- *CMP 4600* Field Studies in Urban Ecology (4)
- *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)
**CMP 3200** Ecology of Human Settlements (3)
**CMP 4600** The Just City (3)
**DES 2630** Design Contexts (3)
**CMP 4010** Field Studies in Urban Ecology (4)
**ELECTIVE** Select from CMP 3000 Level Courses
ENVST LAND MANAGEMENT, CONSERVATION & PLACE
WITH POLITICAL SCIENCE MINOR

Politics Science Minor

Electives (select seven courses)
- ANTH 4186 Human Ecology (BF, SF)
- BIOL 2010 Evolution & Diversity of Life
- BIOL 3400 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 3415 Conservation Biology Lab (1 cr)
- BIOL 5455 Desert Ecology Field Course
- BIOL 5460 Plant Ecology in a Changing World
- CHEM 1210/1215 General Chemistry & Lab (SF)
- CMP 2010 Design Ecologies (BF)
- CMP 3100 Planning Theory & Practice
- CMP 3200 Ecological 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 5500 Environment & Human Behavior
- FCS 5630 Healthy Communities
- FCS 5730 Community and Environmental Change
- GEO 1050 National Parks: Geology Behind the Scenery
- GEO 4210 Natural Disasters
- GEOG 3200 Geomorphology: Mountains, Rivers, Deserts (SF)
- GEOG 3350 Resource Conservation & Env Management (BF)
- GEOG 3380 Wilderness Issues & Management
- GEOG 3385 Environmental Assessment
- HIST 4380 US Environmental History
- HONOR 3215 Global Environmental Change
- POLS 5540 Nonprofit Advocacy
- PHIL 3530 Environmental Ethics (HF)
- ENVM 4800 Environmental Philanthropy (HC)

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):

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

* ENVST 3345 Challenges to Global Sustainability (IR)
* ENVST 3346 Environmental Justice (DV)

POL 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, QII)
* POLS 5501 Quantitative Analysis in Political Science (QI)
- SOC 3112 Social Statistics (QI, QII)

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, QII)
- 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 Paleo environmental Field Methods
- POLS 5309 Political Analysis (QI, QII)
- PRT 3780 Program & Service Evaluation in Parks, Recreation & Tourism (QI, QII)
- 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

Political Science Advising Team
Madalyn Smith, Lead Advisor: madalyn.smith@csbs.utah.edu
Tracey Farnsworth, Academic Advising Coordinator: tracey.farnsworth@utah.edu

For a full list of courses and descriptions, visit: catalog.utah.edu or see an advisor for more details.

* A maximum of three internship credit hours may be used towards this requirement.
## Global Citizenship Minor

### REQUIRED CORE (choose one)

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

### LANGUAGE COURSES

- 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

- 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).

### Electives (select seven courses)

- ANTH 4186 - Human Ecology (BE, SF)
- BIOI 2101 - Evolution & Diversity of Life
- BIOI 2400 - Principles of Wildlife Ecology & Conservation (AS)
- BIOI 2401 - Intro to Plant Biology
- BIOI 2404 - Ecology & Evolution
- BIOI 3450 - Rain Forest Ecology & Conservation (FL, SF)
- BIOI 3710 - Ecology, Society & Public Engagement
- BIOI 3770 - Conservation Biology (AS)
- BIOI 3485 - Conservation Biology Lab (1 cr)
- BIOI 5543 - Desert Ecology Field Course
- BIOI 5460 - Plant Ecology in a Changing World
- CHEM 1210/1215 - General Chemistry & Lab (GS)
- CMP 2010 - Design Engineering (BF)
- CMP 3101 - Planning Theory & Practice
- CMP 3200 - Ecology of Human Settlements
- CMP 4710 - Introduction to Transportation Planning
- COMM 5300 - Environmental Communication
- ECON 3250 - Intro to Env. & Natural Resource Economics (BS)
- ECON 5250 - Environmental & Natural Resource Economics
- ENGL 2090 - Literature of the American West
- ENGL 3080 - Studies in Environmental Literature
- ENVST 3280 - Organic Gardening (AS)
- ENVST 3290 - Sustainable Streams & Riparian Zones
- ENVST 3720 - Environmental Health Disparities
- EFS/PSY 3620 - Environmental Psychology & Sustainability
- EFS 5600 - Environmental Behavior
- EFS 5630 - Healthy Communities
- EFS 5730 - Community and Environmental Change
- GEOI 1050 - National Parks Geology: Behind the Scenery
- GEOI 3220 - Natural Disasters
- GEOG 3400 - Resource Conservation & Environment Management (BF)
- GEOG 3380 - Wilderness Issues & Management
- GEOG 3385 - Environmental Assessment
- HIST 4380 - U.S. Environmental History
- HONOR 3215 - Global Environmental Change
- PHS 3540 - Nontopical Advocacy
- PHL 3530 - Environmental Ethics (BF)
- PHL 5530 - Environmental Philosophy (BF)
- 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)

*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, QB)
*CMP 4010 Field Studies in Urban Ecology (QI)
*GEOG 3208 Geographic Analysis (QI, QB)
*POL 5501 Quantitative Analysis in Political Science (QI)
SOCI 3112 Social Statistics (QI, QB)

Writing Courses (select one)
COMM 4650 Environmental Reporting (CW)
CMP 4260 Language, 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)
WRIT 3014 Scientific Writing (CW)
WRIT 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)
*GEOG 3400 Computational & Field Meth in Applied Geology (2 cr)
*GEOG 3100 Introduction to GIS & Cartography (QI) (5 cr)
*GEOG 5712 Paleoecvironmental Field Methods
POLI 3001 Political Analysis (QI, QB)
*PRT 3280 Program & Service Evaluation in Parks, Recreation & Tourism (QI, QB)
SOCI 3111 Research Methods (CW)

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

Sociology Minor

SOCIETY CORE

- SOC 1010 Intro to Sociology (4)
- SOC 3140 Social Theory (3)
- OR-
- SOC 3111 Research Methods (3)

SOCIETY ELECTIVE COURSES

- SOC 3480 – Environmental Sociology
- SOC 3112 – Social Statistics (QI, QB)

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

ELECTIVE HOURS: SOCIOLGY MINORS ARE REQUIRED TO COMPLETE A MINIMUM OF 12 CREDIT HOURS IN ELECTIVE SOCIOLGY 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, SOC 4807) BUT NOT INDEPENDENT STUDY COURSES.
**Applied Ethics Minor**

*Electives* (select seven courses)
- ANTH 4186 Human Ecology (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 3770 Conservation Biology (AS)
- BIOL 3845 Conservation Biology Lab (1 cr)
- BIOL 5345 Natural History of the Colorado Plateau
- BIOL 5405 Desert Ecology Field Course
- BIOL 5465 Plant Ecology in a Changing World
- CHEM 1210/1215 General Chemistry & Lab I (SF)
- CHEM 2101 Design Ecologies (BF)
- CHEM 3100 Planning Theory & Practice
- CMP 3200 Ecology of Human Settlements
- CMP 4710 Introduction to Transportation Planning
- COMM 5360 Environmental Communication
- ECON 3250 Intro to Envr & 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 7370 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 4300 US Environmental History
- HIST 1315 Global Environmental Change
- POLS 5540 Nonprofit Advocacy
- PHIL 3310 Environmental Ethics (HF)
- PHIL 5330 Environmental Philosophy (HF)
- RTRP 1131 Land Management Certificate Minor

**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

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

**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.

<table>
<thead>
<tr>
<th>Required Introductory Courses (choose two for a total of 6 credit hours):</th>
</tr>
</thead>
<tbody>
<tr>
<td>☐ POLS 1100 US National Government (3, AI)</td>
</tr>
<tr>
<td>☐ POLS 2100 Introduction to International Relations (3, BF)</td>
</tr>
<tr>
<td>☐ POLS 2200 Introduction to Comparative Politics (3, BF)</td>
</tr>
<tr>
<td>☐ POLS 2300 Introduction to Political Theory (3, BF)</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Political Science Upper Division Electives* (12 credit hours, 3000 level or higher):</th>
</tr>
</thead>
<tbody>
<tr>
<td>☐ POLS 5322 – Environmental Policy</td>
</tr>
<tr>
<td>☐ POLS 5301, POLS 5001, POLS 5321, POLS 5510 and/or POLS 5540</td>
</tr>
<tr>
<td>☐ POLS 5540</td>
</tr>
</tbody>
</table>

*For a full list of courses and descriptions, visit 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**

Madelyn Smith, Lead Advisor: madelyn.smith@csbs.utah.edu
Tracey Farnsworth, Academic Advising Coordinator: tracey.farnsworth@utah.edu

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**To Be Completed in Your Last Year**

* ENVST 4800 Environmental & Sustainability Studies Internship
* ENVST 5550 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)**

- ATMS 3000 Prof Development in the Atmos. Sciences (1.5 cr)
- ATMS 3100 Atmospheric Chemistry & Air Pollution (1R)
- ATMS 5900 Intro to Atmospheric Science (Q)
- ATMS/GEOG 5260 Snow Dynamics & Avalanche Studies
- BIOL 5345 Natural History of the Colorado Plateau
- CHEM 1210/1215 General Chemistry & Lab I (SF)
- CMP 5200 Ecology of Urban Settlements
- CMP 4380 Green Communities
- CMP 4710 Intro to Transportation Planning
- COMM 3115 Communicating Health, Science, Environment
- COMM 5360 Environmental Communication
- ECN 3250 Intro to Natural & Resource Economics (BF)
- ECN 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 315292 Snow & Ice
- GEOG 3300 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 Hydrotopic 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
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)
- ENVST 3216 Global Climate Change (SF)
- ENVST 3364 Challenges to Global Sustainability (IR)
- ENVST 3365 Environmental Justice (DV)
- POLS 5327 Environmental Policy
- Statistics Courses (select one)
  - ATMOS 5040 Environmental Statistics (Q)
  - COMM 3710 Intro to Quantitative Comm. Research (Q)
  - CMP 4010 Field Studies in Urban Ecology (Q)
  - GEOG 3020 Geographic Analysis (Q, Q8)
  - POLS 5001 Quantitative Analysis in Political Science (Q)
  - SOC 3112 Social Statistics (Q, Q8)
- 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)
  - NRT 3810 Business & Professional Communication (CW)
  - WRTG 3014 Scientific Writing (CW)
  - WRTG 3420 Environmental Writing (CW, HF)
  - WRTG 4995 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 (Q1)
  - GEOG 3100 Introduction to GIS & Cartography (Q1, Qr)
  - POLS 3001 Political Analysis (Q1, Q8)

**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 (Q1)
- ATMOS/GEOS 5260 Snow Dynamics & Avalanche Studies
- BIOL 5345 Natural History of the Colorado Plateau
- CHEM 1210/1215 General Chemistry & Lab (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 3300 Sustainable Streams and Riparian Zones
- ENVST 3720 Environmental Health Disparities
- FCS/PST 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.

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

*Required courses in bold.
ENVST AIR, WATER & HEALTH
WITH ECONOMICS MINOR

REQUIRED CLASSES
ENVST 2000 Field Experience: Environmental 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 3222 Environmental Policy

Statistics Courses (select one)
*ATMS 3040 Environmental Statistics (QI)
*COMM 3710 Intro to Quantitative Research (QI)
CMPS 4010 Field Studies in Urban Ecology (QI)
*GEOG 3020 Geographic Analysis (QI, QB)
*POLS 3001 Quantitative Analysis in Political Science (QI)
SOC 3112 Social Statistics (QI, QB)

Writing Courses (select one)
COMM 4650 Environmental Reporting (CW)
CMPS 4260 Land, Law & Culture (CW)
*GEOG 3/5270 Global Patterns of Life (CW, SF)
*HONOR 3260 Writing in a Research University (CW)
*MGT 3810 Business & Professional Communication (CW)
WRGT 3014 Scientific Writing (CW)
WRGT 3420 Environmental Writing (CW, HF)
WRGT 4965 Studies in Professional Discourses (CW)

Methods Courses (select one)
ATMS 3050 Environmental Instrumentation (2 cr)
BIOL 3480 Biogrophy of an Urban Stream

Electives (select seven courses)
ATMS 3000 Prof. Development in the Atmos. Sciences (1.5 cr)
*ATMS 3100 Atmospheric Chemistry & Air Pollution (IR)
*ATMS 3200 Intro to Atmospheric Science (QI)
ATMS/GEOG 3260 Snow Dynamics & Avalanche Studies
*Biol 3345 Natural History of the Colorado Plateau
*CHEM 1210/1215 General Chemistry & Lab 1 (SF)
CMPS 3200 Ecology of Human Settlements
CMPS 4380 Green Communities
CMPS 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
*ECON 3905, ECON 3640

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

REQUIRED COURSES:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
<th>Prerequisites</th>
</tr>
</thead>
<tbody>
<tr>
<td>GEO 1100</td>
<td>EVOLVING EARTH</td>
<td>3</td>
<td>N/A</td>
</tr>
<tr>
<td>GEO 2500</td>
<td>WASATCH IN THE FIELD</td>
<td>3</td>
<td>N/A</td>
</tr>
</tbody>
</table>

TOTAL 6

ELECTIVES: COMPLETE 6 CREDIT HOURS

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

*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.
ENVST AIR, WATER, AND HEALTH
WITH 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)
*ATMS 5040 Environmental Statistics (QI)
*COMM 3710 Intro to Quantitative Comm. Research (QI)
*COMP 4010 Field Studies in Urban Ecology (QI)
*GEOG 3020 Geographic Analysis (QI, QB)
*POLS 5001 Quantitative Analysis in Political Science (QI)
SOCI 3112 Social Statistics (QI, QB)

Writing Courses (select one)
COMM 4650 Environmental Reporting (CW)
CPLS 4260 Land, Law, & Culture (CW)
*GEOG 3/5270 Global Patterns of Life (CW, SF)
*HONR 3200 Writing in a Research University (CW)
*MGMT 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)
ATMS 5050 Environmental Instrumentation (2 cr)
BIOI 3480 Geography of an Urban Stream
*CMP 4450 GIS for Urban Ecologists (QI)
*GEOG 3100 Introduction to GIS & Cartography (QI) (5cr)
POLS 3001 Political Analysis (QI, Q2)
SOCI 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)
ATMS 2800 Prof. Development in the Atmos. Sciences (1.5 cr)
*ATMS 3100 Environmental Chemistry & Air Pollution (IR)
*ATMS 5400 Intro to Atmospheric Science (QI)
ATMS/GEOG 5260 Snow Dynamics & Avalanche Studies
*BIOL 5340 Natural History of the Colorado Plateau
*CHEM 1210/1215 General Chemistry & Lab I (SF)
CMP 3200 Ecology of Human Settlements
CMP 4390 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 3380 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

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

Course Number and Title

<table>
<thead>
<tr>
<th>Course Number and Title</th>
<th>Credit Hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Required Courses</strong></td>
<td></td>
</tr>
<tr>
<td>GEG 1000 – Earth Environments and Global Change</td>
<td>3</td>
</tr>
<tr>
<td>GEG 1400 – Human Geography</td>
<td>3</td>
</tr>
<tr>
<td>GEG 3100 – Introduction to GIS &amp; Cartography (Fall/online Spring &amp; Summer)</td>
<td>5</td>
</tr>
<tr>
<td><strong>Elective Courses—upper division courses (&gt;=3000)</strong></td>
<td></td>
</tr>
<tr>
<td>GEG 3### – Choose from: GEG 3200, 3292, 5435, 3390, 3/5270, and/or 3020</td>
<td></td>
</tr>
<tr>
<td>GEG 3###</td>
<td></td>
</tr>
</tbody>
</table>

**TOTAL COURSES (min. 6)**

**TOTAL RESIDENCY HRS.** (12 cr. hrs. at U of U Geog. Dept.)
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 prerequisites for the upper division ENVST courses.

ENVST/GEOS 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 1210 Intro to Quantitative Comm. Research (QI)
CMP 4010 Field Studies in Urban Ecology (QI)
*GEOG 3200 Geographic Analysis (QI, QB)
*POLS 5001 Quantitative Analysis in Political Science (QI)
SOC 3112 Social Statistics (QI, Q8)

**Writing Courses** (select one)
COMM 4650 Environmental Reporting (CW)
CMP 4260 Land, Law, & Culture (CW)
*GEOG 3/5250 Global Patterns of Life (CW, SF)
*HONOR 3200 Writing in a Research University (CW)
*MTG 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 5450 Biography of an Urban Stream
*CMP 4450 GIS for Urban Ecologists (QI)
*GEOG 3100 Introduction to GIS & Cartography (QI) (5 cr)
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/GEOS 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 3380 Green Communities
CMP 4710 Intro to Transportation Planning
COMM 3115 Communicating Health, Science, Environment
COMM 5360 Environmental Communication
ECON 3/5190 Health 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 5620 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)

CMP 2010 Design Ecologies (3)  
CMP 3200 Ecology of Human Settlements (3)  
CMP 4600 The Just City (3)  
DES 2630 Design Contexts (3)  
CMP 4010 Field Studies in Urban Ecology I (4)  

**ELECTIVE**
Select from CMP 3000 Level courses
ENVST AIR, WATER, AND HEALTH
WITH 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 3610 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 3901 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

SOCIETY ELECTIVE COURSES

- SOC 1010 Intro to Sociology (4)
- SOC 3140 Social Theory (3)
- SOC 3111 Research Methods (3)

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

SOC 3480 Environmental Sociology (5R)

SOC 3112 Social Statistics (QI, QB)

SOC 3480 – Environmental Sociology

ELECTIVE HOURS: SOCIETY 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, SOC 4877) but not independent study courses.
**Areas Minimum Qualified Courses**

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

**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**

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
   - FCS 3600 Consumer and Community Policy

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 5730 Community and Environmental Change
   - GEO 3300 The Water Planet
   - HNKLY 4900/4901/4902/4903 Internships
   - OR HNKLY 4910 Washington DC Encounter

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**REQUIRED CLASSES**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENVS 2000</td>
<td>Field Experience: Environment and Sustainability</td>
</tr>
<tr>
<td>ENVS 2050</td>
<td>Introduction to Environmental Science (BF)</td>
</tr>
<tr>
<td>ENVS 2100</td>
<td>Introduction to Environmental and Sustainability Studies (BF)</td>
</tr>
<tr>
<td>ENVS 3635</td>
<td>Environmental Justice (DV)</td>
</tr>
<tr>
<td>ENVS 4320</td>
<td>Global Climate Change (SF)</td>
</tr>
<tr>
<td>ENVS 3364</td>
<td>Challenges to Global Sustainability (IR)</td>
</tr>
<tr>
<td>ENVS 3365</td>
<td>Environmental Justice (DV)</td>
</tr>
<tr>
<td>ENVS 5322</td>
<td>Environmental Policy</td>
</tr>
</tbody>
</table>

**Statistics Courses** (select one)

- ENVS 5400 Environmental Statistics (QI)
- COMM 3710 Intro to Quantitative Comm. Research (QI)
- CMP 4010 Field Studies in Urban Ecology (QI)
- GEOG 3020 Geographic Analysis (QI, QR)
- POLS 5901 Quantitative Analysis in Political Science (QI)
- SOC 3112 Social Statistics (QI, QR)

**Writing Courses** (select one)

- COMM 4650 Environmental Reporting (CW)
- CMP 4260 Land, Law, & Culture (CW)
- ENVS 4320 Environmental Writing (CW, FL)
- HNKLY 4710 Intro to Transportation Planning
- COMM 3115 Communicating Health, Science, Environment
- COMM 5260 Environmental Communication
- ECON 3/5190 Health Economics
- ECON 3250 Intro to Environmental & Natural Resource Economics (BF)
- ECON 5250 Environmental & Natural Resource Economics
- ENVS 5080 Environmental Literature
- ENVS 5280 Organic Gardening (AS)
- ENVS 5390 Sustainable Streams and Riparian Zones
- SFCS 3720 Environmental Health Disparities
- SFCS 5620 Environmental Psych. & Sustainability
- SFCS 5630 Healthy Communities
- SFCS 5730 Community and Environmental Change

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**Electives (select seven courses)**

- ATOMS 3000 Prof. Development in the Atmos. Sciences (1.5 cr)
- ATOMS 3100 Atmospheric Chemistry & Air Pollution (IR)
- ATOMS 5400 Intro to Atmospheric Science (QI)
- ATOMS/GEOS 5260 Snow Dynamics & Avalanche Studies
- BION 5345 Natural History of the Colorado Plateau
- CHEM 1010/1015 General Chemistry I & Lab I (QI)
- COMP 3200 Ecology of Human Settlements
- COMP 4380 Green Communities
- COMP 4710 Intro to Transportation Planning
- COMM 3115 Communicating Health, Science, Environment
- COMM 5260 Environmental Communication
- ECON 3/5190 Health Economics
- ECON 3250 Intro to Environmental & Natural Resource Economics (BF)
- ECON 5250 Environmental & Natural Resource Economics
- ENVS 5080 Environmental Literature
- ENVS 5280 Organic Gardening (AS)
- ENVS 5390 Sustainable Streams and Riparian Zones
- SFCS 3720 Environmental Health Disparities
- SFCS 5620 Environmental Psych. & Sustainability
- SFCS 5630 Healthy Communities
- SFCS 5730 Community and Environmental Change
- GEO 3300 The Water Planet (SF)

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**Methods Courses** (select one)

- ATOMS 5500 Instrumentation (2 cr)
- BION 5345 Natural History of the Colorado Plateau
- BIOL 4450 GIS for Urban Ecologists (QI)
- BIOL 4450 GIS for Urban Ecologists (QI)
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
ENVST AIR, WATER AND HEALTH 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 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.
# Geography Climate Change Certificate

**REQUIRED CLASSES**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENVST 2000</td>
<td>Field Experience: Environment and Sustainability</td>
</tr>
<tr>
<td>ENVST 2050</td>
<td>Introduction to Environmental Science (SF)</td>
</tr>
<tr>
<td>ENVST 2100</td>
<td>Introduction to Environmental &amp; Sustainability Studies (BF)</td>
</tr>
</tbody>
</table>

*These courses are prerequisites for the upper division ENVST courses*

**Statistics Courses (select one)**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>ATOMS 5040</td>
<td>Environmental Statistics (QI)</td>
</tr>
<tr>
<td>COMM 3710</td>
<td>Intro to Quantitative Research (Q)</td>
</tr>
<tr>
<td>CMP 4010</td>
<td>Field Studies in Urban Ecology (Q)</td>
</tr>
<tr>
<td>ECON 3640</td>
<td>Probability &amp; Statistics for Economists (Q, QB)</td>
</tr>
<tr>
<td>GEOG 3020</td>
<td>Geographic Analysis (QI, QB)</td>
</tr>
<tr>
<td>MATH 2070</td>
<td>Applied Statistics (QI, QB)</td>
</tr>
<tr>
<td>POLS 5001</td>
<td>Quantitative Analysis in Political Science (QI)</td>
</tr>
<tr>
<td>SOC 3112</td>
<td>Social Statistics (QI, QB)</td>
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</table>

**Writing Courses (select one)**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
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</thead>
<tbody>
<tr>
<td>COMM 4650</td>
<td>Environmental Reporting (CW)</td>
</tr>
<tr>
<td>CMP 4260</td>
<td>Land Law &amp; Culture (CW)</td>
</tr>
<tr>
<td>GEOG 3/5/70</td>
<td>Global Patterns of Life (CW, SF)</td>
</tr>
<tr>
<td>HONOR 3200</td>
<td>Writing in a Research University (CW)</td>
</tr>
<tr>
<td>MGT 3810</td>
<td>Business &amp; Professional Communication (CW)</td>
</tr>
<tr>
<td>WRIT 3014</td>
<td>Scientific Writing (CW)</td>
</tr>
<tr>
<td>WRIT 3/4/20</td>
<td>Environmental Writing (CW, HF)</td>
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</table>

**Methods Courses (select one)**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
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</thead>
<tbody>
<tr>
<td>ATOMS 5050</td>
<td>Environmental Instrumentation (2 cr)</td>
</tr>
<tr>
<td>CMP 4450</td>
<td>GIS for Urban Ecologists (QI)</td>
</tr>
<tr>
<td>ECON 4650</td>
<td>Econometrics (QI)</td>
</tr>
<tr>
<td>GEOG 3100</td>
<td>Introduction to GIS &amp; Cartography (QI) (5 cr)</td>
</tr>
<tr>
<td>POLS 3601</td>
<td>Political Analysis (QI, QB)</td>
</tr>
<tr>
<td>SOC 3111</td>
<td>Research Methods (CW)</td>
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</table>

**Electives (select seven courses)**

<table>
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<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
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<tbody>
<tr>
<td>ANTH 4150</td>
<td>Human Ecology (8, SF)</td>
</tr>
<tr>
<td>ATOMS 3200</td>
<td>Mountain Weather &amp; Climate</td>
</tr>
<tr>
<td>ATOMS 5040</td>
<td>Introduction to Atmospheric Science (QI)</td>
</tr>
<tr>
<td>ATOMS 5140</td>
<td>Physical Meteorology: I: Atmos. Radiation (1.5 cr)</td>
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<tr>
<td>ATOMS 5270</td>
<td>Wind Power Meteorology (1.5 cr)</td>
</tr>
<tr>
<td>BIOL 54/40</td>
<td>The Climate System</td>
</tr>
<tr>
<td>BIOL 5740</td>
<td>Ecosystem Ecology</td>
</tr>
<tr>
<td>BIOL 5750</td>
<td>Biogeography: Global Patterns of Life</td>
</tr>
<tr>
<td>COMM 3360</td>
<td>Water Planet</td>
</tr>
<tr>
<td>COMM 3520</td>
<td>Communicating Climate Change</td>
</tr>
<tr>
<td>GEO 3300</td>
<td>Paleoclimatology</td>
</tr>
<tr>
<td>GEO 3570</td>
<td>Regional and Global Climates</td>
</tr>
<tr>
<td>GEO 4510</td>
<td>Popular Literature on Climate Change</td>
</tr>
<tr>
<td>GEO 5090</td>
<td>Historical Geology</td>
</tr>
<tr>
<td>GEO 5750</td>
<td>Sustainable Transportation</td>
</tr>
<tr>
<td>GEO 5870</td>
<td>Biogeography: Global Patterns of Life</td>
</tr>
</tbody>
</table>

**3 Elective Courses**

<table>
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<tr>
<th>Course Code</th>
<th>Course Title</th>
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<tbody>
<tr>
<td>ATOMS 5400</td>
<td>The Climate System</td>
</tr>
<tr>
<td>GEOG 5205</td>
<td>Regional and Global Climates</td>
</tr>
<tr>
<td>GEOG 5210</td>
<td>Global Climate Change</td>
</tr>
<tr>
<td>GEOG 5215</td>
<td>Climate Change and Its Impacts</td>
</tr>
</tbody>
</table>

**Required Courses**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>ATOMS 3100</td>
<td>Atmospheric Chemistry &amp; Air Pollution</td>
</tr>
<tr>
<td>ATOMS 3200</td>
<td>Mountain Weather and Climate</td>
</tr>
<tr>
<td>BIOL 3400</td>
<td>Global Change Ecology/Global Issues</td>
</tr>
<tr>
<td>BIOL 5440</td>
<td>Urban Ecology</td>
</tr>
<tr>
<td>BIOL 5490</td>
<td>Ecosystem Ecology</td>
</tr>
<tr>
<td>ENVST 3360</td>
<td>Environmental Justice</td>
</tr>
<tr>
<td>GEO 3300</td>
<td>Water Planet</td>
</tr>
<tr>
<td>GEO 5490</td>
<td>Vegetation and Climate Change</td>
</tr>
<tr>
<td>GEO 5490</td>
<td>Popular Literature on Climate Change</td>
</tr>
<tr>
<td>GEO 5410</td>
<td>Paleoclimatology</td>
</tr>
<tr>
<td>GEO 5575</td>
<td>Sustainable Transportation</td>
</tr>
<tr>
<td>GEO 5750</td>
<td>Biogeography: Global Patterns of Life</td>
</tr>
<tr>
<td>GEO 5875</td>
<td>Paleoclimatology</td>
</tr>
</tbody>
</table>

**Certificate Total**

18-19 credits
**ENVST CLIMATE & ENERGY**

**with Physics Minor**

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**Physics Minor**

**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
ENVST CLIMATE & ENERGY
WITH GEOGRAPHY MINOR

REQUISITED CLASSES
ENVST 2000 Field Experience: Environmental 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

Geography Minor

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

<table>
<thead>
<tr>
<th>Course Number and Title</th>
<th>Credit Hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Required Courses</strong></td>
<td></td>
</tr>
<tr>
<td>GEOG 1000 – Earth Environments and Global Change</td>
<td>3</td>
</tr>
<tr>
<td>GEOG 1400 – Human Geography</td>
<td>3</td>
</tr>
<tr>
<td>GEOG 3100 – Introduction to GIS &amp; Cartography ([Fall] online Spring &amp; Summer)</td>
<td>5</td>
</tr>
<tr>
<td><strong>Elective Courses—upper division courses (≥ 3000)</strong></td>
<td></td>
</tr>
<tr>
<td>GEOG 3### – Choose from: GEOG 3368, 5205, 5275,</td>
<td></td>
</tr>
<tr>
<td>GEOG 3### – 5410, 5435, 3390, 3/5270, and/or 3020</td>
<td></td>
</tr>
<tr>
<td>GEOG 3###</td>
<td></td>
</tr>
</tbody>
</table>

**TOTAL COURSES (min. 6)**

**TOTAL RESIDENCY HRS. (12 cr. hrs. at U of U Geog. Dept.)**

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

REQUIRED CLASSES
ENVST 2000 Field Experience: Environment and Sustainability
ENVST 2050 Introduction to Environmental Science (SF)
ENVST 2100 Introduction to Environmental & Sustainability Studies (BF)
ENVST/GEOG 3210 Global Climate Change (SF)
ENVST 3364 Challenges to Global Sustainability (IR)
ENVST 3365 Environmental Justice (DV)
POLS 3322 Environmental Policy

Statistics Courses (select one)
*ATMOS 5460 Environmental Statistics (CI)
*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 Geographical Analysis (QI, QB)
*MATH 3070 Actuarial 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 3220 Writing in a Research University (CW)
*MGT 3810 Business & Professional Communication (CW)
WRITG 3014 Scientific Writing (CW)
WRITG 3420 Environmental Writing (CW, HF)

Methods Courses (select one)
ATMOS 5050 Environmental Instrumentation (2 cr)
*CMP 4450 GIS for Urban Ecologists (QI)
*ECOT 4/5110 Environmental Education (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 3186 Human Ecology (BE, SE)
*ATMOS 2200/GEOG 2280 Mountain Weather & Climate
*ATMOS 5000 Introduction to Atmospheric Science (QI)
*ATMOS 5140 Physical Meteorology & 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 & Labs I (SF)
*CHEM 5440 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 2080 Environmental Literature
ENVST 3280 Organic Gardening (AS)
*ENVST 3390 Sustainable Streams & Riparian Zones
*ENVST 3720 Environmental Health Disparities
FC5/PSC 5362 Environmental Psych & Sustainability
FC5 5450 Nonprofit Community Organizations
FC5 5730 Community and Environmental Change
*GEOG 3080 The Oceans (SF)
*GEOG 3215 Climate Change Impact, Adaptation & Mitigation
GEOG 3360 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.

<table>
<thead>
<tr>
<th>Course</th>
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<th>Title</th>
<th>Prerequisites</th>
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<tr>
<td>ATMOS 1010* (SF)</td>
<td>3</td>
<td>Severe and Unusual Weather</td>
<td>ATMOS 1010 or ATMOS 3200</td>
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<td>ATMOS 1020* (SF)</td>
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<td>Climate Change</td>
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<td>ATMOS 3000</td>
<td>1.5</td>
<td>Professional Development in the Atmospheric Sciences</td>
<td>ATMOS 1010 or ATMOS 3200</td>
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<td>ATMOS 3010</td>
<td>1.5</td>
<td>Weather Forecasting</td>
<td>ATMOS 1010 or ATMOS 3200</td>
<td>Sp 2nd half</td>
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<td>ATMOS 3200</td>
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<td>Mountain Weather and Climate</td>
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<td>Sp (Even years only)</td>
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<td>Snow Dynamics and Avalanche Studies</td>
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<td>ATMOS 5460</td>
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<td>The Climate System</td>
<td>MATH 1050</td>
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ENVST/GEOS 3210 Global Climate Change (SF)
*ENVS 3364 Challenges to Global Sustainability (IR)
*ENVS 3365 Environmental Justice (DV)
POLS 3322 Environmental Policy

Statistics Courses (select one)
*ATMOS 5040 Environmental Statistics (Qi)
*COMM 3710 Intro to Quantitative Comm. Research (Qi)
CM 4010 Field Studies in Urban Ecology (Qi)
*ECON 3640 Probability & Statistics for Economists (Qi, QB)
*GEOS 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)
CM 4260 Land, Law, & Culture (CW)
*GEOS 3/5270 Global Patterns of Life (CW, SF)
*HONR 3200 Writing in a Research University (CW)
*MGT 3810 Business & Professional Communication (CW)
WRITG 3124 Scientific Writing (CW)

Methods Courses (select one)
ATMOS 5050 Environmental Instrumentation (2 cr)
*CM 4450 GIS for Urban Ecologists (Qi)
*ECOS 4660 Ecometrics (Qi)
*GEOS 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)
ATMOS 3200/GEOS 3200 Mountain Weather & Climate
*ATMOS 5080 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 5400 Urban Ecology
*CHEM 1210/1215 General Chemistry & Lab I (SF)
CHEM 5640 Materials Chemistry for Alternative Energy (2 cr)
CM 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 5060 Environmental Literature
ENVST 3280 Organic Gardening (AS)
*ENVS 3390 Sustainable Streams and Riparian Zones
*ENVS 3720 Environmental Health Disparities
FCS/PSY 3620 Environmental Psych & Sustainability
FCS 5450 Nonprofit Community Organizations
FCS 5730 Community and Environmental Change
*GEOS 3800 The Oceans (SF)
*GEOS 3215 Climate Change Impact, Adaptation & Mitigation
GEOS 3368 Energy Choices for 21st Century (SF)
GEOS 5205 Regional and Global Climates (SF)
*GEOS 5275 Vegetation & Climate Change
GEOS 5410 Palaeoclimatology
GEOS 5435 The Oceans and Us

Substantive Electives (select two)

Required

<table>
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<th>Category</th>
<th>Course Prefix &amp; Number</th>
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<td>GEO 3310</td>
<td>Introduction to Natural Hazards</td>
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<td>GEO 3320</td>
<td>Geography of Terrorism &amp; Security</td>
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<td>Geography of Disasters &amp; Emergency Mgmt</td>
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<td>FCS 3620</td>
<td>Environment and Behavior</td>
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<td>GEO 1030</td>
<td>Earthquakes and Volcanoes</td>
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<td>GEO 5170</td>
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Substantive Electives (select two)

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<th>Category</th>
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<th>Credit Hours</th>
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<td>Climate Change Impacts</td>
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<td>GEO 5230</td>
<td>Pyrogeography</td>
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<td>HEDU 2720</td>
<td>Emergency Medical Response</td>
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<td>PSY 3171</td>
<td>Human Factors</td>
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<td>POLS 5965</td>
<td>Crisis Management</td>
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<td>SOC 3569</td>
<td>Terrorism, Violence and Aggression</td>
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Electives (select one)

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<th>Credit Hours</th>
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<td>GEO 3100</td>
<td>Intro to Geographic Information Systems (GIS) and Cartography</td>
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<td>GEO 3110</td>
<td>Earth from Space: Remote Sensing of the Environment</td>
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<td>Sub-Total (minimum)</td>
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Certificate Total | 18-20 credits
ENVST CLIMATE & ENERGY WITH MATHEMATICS MINOR

Math Minor

Electives (select seven courses)
- ANTH 4186 Human Ecology (5, SF)
- ATOMS 5200/GEOL 3280 Mountain Weather & Climate
- ATOMS 5900 Introduction to Atmospheric Science (QI)
- ATOMS 5140 Physical Meteorology II: Atmos. Radiation (1.5 cr)
- ATOMS 5270 Wind Power Meteorology (1.5 cr)
- ATOMS 5400 The Climate System
- BIOL 5440 Urban Ecology
- CHEM 2120/2121 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 2250 Introduction to Natural Resource Economics
- ECON 5250 Environmental & Natural Resource Economics
- ECON 5260 Energy Policy Options for Utah
- ENGL 5080 Environmental Literature
- 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 5125 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 Paleoecology
- GEOG 5435 The Oceans and Us
- HEDU 3700 Environmental Health
- HIST 4380 US Environmental History (HF)
- HIST 4860 Environmental History of China
- HONOR 2215 Global Environmental Change
- MATH 1210 or Calculus I
- MATH 1220 or Calculus II

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

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 Advisor.

Note: One elective MUST be MATH 2220 (recommended), MATH 2270, or MATH 2250 in order to satisfy prerequisites for Foundations of Analysis.

To be completed in your last year

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

CAREER OUTLOOK
ENVST CLIMATE & ENERGY WITH 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 prerequisites 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 3322 Environmental Policy

ECONOMICS MINOR

Statistics Courses (select one)
*ATMOS 5040 Environmental Statistics (QI)
*COMM 3710 Intro to Quantitative Comm. Research (QI)
CMISS 5010 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 3900 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 3270 Global Patterns of Life (CW, SF)
*HONR 3200 Writing in a Research University (CW)
*MGMT 3810 Business & Professional Communication (CW)
WRITG 3014 Scientific Writing (CW)
WRITG 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) (Scr)
POLS 3001 Political Analysis (QI, QB)
SOC 3111 Research Methods (CW)

Electives (select seven courses)
ANTH 4168 Human Ecology (BF, SF)
ATMOS 5200/GEOG 3280 Mountain Weather & Climate
*ATMOS 5400 Introduction to Atmospheric Science (QI)
*ATMOS 5540 Physical Meteorology I: Atmos. Radiation (1.5 cr)
*ATMOS 5570 Wind Power Meteorology (1.5 cr)
*ATMOS 5410 The Climate System
BIOL 5440 Urban Ecology
*CHEM 3210/1 215 General Chemistry & Lab I (SP)
CHEM 5640 Material Chemistry for Alternative Energy (2 cr)
CMISS 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 Economic Analysis of Natural Resource Economics
ECON 5260 Energy Policy Options for Utah
ENGL 5089 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
*GEOG 3800 The Oceans (SF)
*GEOG 3315 Climate Change Impact, Adaptation & Mitigation
GEOG 3360 Energy Choices for 21st Century (SF)
GEOG 3025 Regional and Global Climates (SF)
GEOG 4275 Vegetation & Climate Change
GEOG 5410 Palaeoclimatology

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
- ECON 2020—Principles of Macroeconomics

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 prerequisites 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 (Q1)
*COMM 3710 Intro to Quantitative Comm. Research (Q1)
CMP 4010 Field Studies in Urban Ecology (Q1)
*ECON 3640 Probability & Statistics for Economists (Q1, Q8)
*GEOG 3020 Geographic Analysis (Q1, Q8)
*MATH 3070 Applied Statistics (Q1, Q8)
*POLS 5001 Quantitative Analysis in Political Science (Q1)
SOC 3112 Social Statistics (Q1, Q8)

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 (Q1)
*ECON 4650 Econometrics (Q1)
*GEOG 3100 Introduction to GIS & Cartography (Q1) (5cr)
POLS 3001 Political Analysis (Q1, Q8)
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 (Q1)
*ATMOS 5140 Physical Meteorology & Atmos. Radiation (1.5 cr)
*ATMOS 5270 Wind Power Meteorology (1.5 cr)
*ATMOS 5400 The Climate System
B IOL 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
*GEOG 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)

CMP 3200
Ecology of Human Settlements
(3)

CMP 4600
The Just City
(3)

DES 2630
Design Contexts
(3)

CMP 4010
Field Studies in Urban Ecology I
(4)

Select from CMP 3000 Level courses

Q1 FF BF
ENVST CLIMATE & ENERGY
WITH CONSUMER & COMMUNITY STUDIES MINOR

Consumer and Community Studies (CCS) Minor

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

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 prerequisites 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 3322 Environmental Policy

Statistics Courses (select one)
*ATMOS 5040 Fundamental Statistics (QI)
*COMM 3710 Intro to Quantitative Comm. Research (QI)
*ECON 3640 Probability & Statistics for Economists (QI, QB)
*GEOG 3020 Geographic Analysis (QI, QB)
*MATH 3070 Applied Statistics (QI, QB)
POLS 3001 Quantitative Analysis in Political Science (QI)
SOC 3112 Social Statistics (QI, QB)

Writing Courses (select one)
COMM 4650 Environmental Reporting (CW)
CM 4620 Law, Law, & Culture (CW)
*GEOS 3/2520 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 5530 Environmental Instrumentation (2 cr)
*ATMOS 4520 GIS for Urban Ecologists (QI)
*ECON 4520 Econometrics (QI)
*GEOS 3100 Introduction to GIS & Cartography (QI) (Sci)

 Electives (select seven courses)
ANTH 1186 Human Ecology (BF, SF)
ATMOS 3200/GEOS 3280 Mountain Weather & Climate
*ATMOS 5000 Introduction to Atmospheric Science (QI)
*ATMOS 5140/5270 Physical Meteorology II: Atmos. Radiation (1.5 cr)
*ATMOS 5270 Wind Power Meteorology (1.5 cr)
*ATMOS 5400 The Climate System
Biol 5410 Urban Ecology
*CHEM 1210/1215 General Chemistry & Lab I (SF)
CHEM 5640 Material Chemistry for Alternative Energy (2 cr)
CMF 4710 Intro to Transportation Planning
COMM 3115 Communications, Health, Science, Environment
COMM 3365 Environmental Communication
COMM 3366 Communicating 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 Differences
FCS/PSY 3620 Environmental Psych & Sustainability
FCS 5450 Nonprofit Community Organizations
FCS 5730 Community & Environmental Change
*GEOS 3800 The Oceans (SF)
*GEOS 3215 Climate Change Impact, Adaptation & Mitigation
GEOS 3368 Energy Choices for 21st Century (SF)
GEOS 3205 Regional and Global Climates (SF)
ENVST CLIMATE & ENERGY
WITH APPLIED ETHICS MINOR

Applied Ethics Minor

Electives (select seven courses)
ANTH 4186 Human Ecology (BF, SF)
ATMOS 3200/GEOL 3280 Mountain Weather & Climate
*ATMOS 5100 Introduction to Atmospheric Science (Q)
*ATMOS 5104 Physical Meteorology I: Atmos. Radiation (1.5 cr)
*ATMOS 5270 Wind Power Meteorology (1.5 cr)
*ATMOS 5400 The Climate System
BIOL 5420 Urban Ecology
*CHEM 1210/1215 General Chemistry & Lab (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 5989 Environmental Literature
ENVST 3280 Organic Gardening (AG)
*ENVS 5300 Sustainable Streams and Riparian Zones
*ENVS 3720 Environmental Health Disparities
FCS/PSY 3620 Environmental Psych & Sustainability
FCS 5450 Nonprofit Community Organizations
FCS 5730 Community and Environmental Change
*GEO 5380 The Oceans (SF)
*GEOG 3215 Climate Change Impact, Adaptation & Mitigation
GEOG 3360 Energy Choices for 21st Century (SF)
GEOG 5205 Regional and Global Climates (SF)
*GEOG 5275 Vegetation & Climate Change
GEOG 5410 Palaeoclimatology
GEOG 5435 The Oceans and Us
HIST 4380 US Environmental History (HF)
HIST 4860 Environmental History of China
*HONORS 5215 Global Environmental Change
*MATHE 1210 Calculus I (QR)
*MATH 1220 Calculus II (QR)
POLS 5540 Nonprofit Advocacy
PHIL 3110 Science & Society (HF)
PHIL 3530 Environmental Ethics (HF)
POLS 5322 Environmental Policy

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 5060 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)
CRP 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) (5 cr)

POLS 3091 Political Analysis (QI, QB)
SOC 3111 Research Methods (CW)

Electives (select seven courses)
ANTH 4396 Human Ecology (BF, SF)
ATMOS 2200/GEOG 2280 Mountain Weather & Climate
ATMOS 5000 Introduction to Atmospheric Science (QI)
*ATMOS 5140 Physical Meteorology & Atmos. Radiation (1.5 cr)
*ATMOS 5270 Wind Power Meteorology (1.5 cr)
*ATMOS 5800 The Climate System
BIOL 5440 Urban Ecology
*CHEM 1210/1215 General Chemistry & Lab (SF)
CHEM 5640 Material Chemistry for Alternative Energy (2 cr)
CMP 4110 Intro to Transportation Planning
COMM 3115 Communicating Health, Science, Environment
COMM 5360 Environmental Communication
COMM 5365 Communicating Climate Change
ECO 4250 Intro to Natural Resource Economics
*ECO 5250 Environmental & Natural Resource Economics
ECON 5260 Energy Policy Options for Utah
ENGL 3800 Environmental Literature
ENVST 3280 Organic Gardening (AS)
*ENVST 3390 Sustainable Streams and Riparian Zones
*ETMST 3720 Environmental Health Disparities
FCS/PSY 3620 Environmental Psych & Sustainability
FCS 5450 Nonprofit Community Organizations
FCS 5730 Community and Environmental Change
*GEOG 3890 The Oceans (SF)
*GEOG 3235 Climate Change Impact, Adaptation & Mitigation
GEOG 3360 Energy Choices for 21st Century (SF)
GEOG 5205 Regional and Global Climates (SF)
*GEOG 5275 Vegetation & Climate Change
GEOL 5720 Physical Geology
GEOL 5435 The Oceans and Us
H EDU 3700 Environmental Health
HIST 4580 US Environmental History (HF)
HIST 4660 Environmental History of China
*HONOR 3215 Global Environmental Change
*MATH 1210 Calculus I (QI)
*MATH 1220 Calculus II (QI)
POLS 5540 Nonprofit Advocacy
PSY 3110 Social & Community (HST)

Political Science Upper Division Electives* (12 credit hours, 3000 level or higher):
POLS 5322 – Environmental Policy
*POLS 3001 – Political Analysis
POLS 5001 – Quantitative Analysis in POLS

POLS 5540 – Nonprofit Advocacy

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 Advising Team
Madelyn Smith, Lead Advisor: madelyn.smith@csbs.utah.edu
Tracey Farnsworth, Academic Advising Coordinator: tracey.farnsworth@utah.edu

To Be Completed In Your Last Year
*ENVST 4800 Environmental & Sustainability Studies Internship
*ENVST 5554 Capstone: Climate & Energy

CAREER OUTLOOK
Educator
ENVST CLIMATE & ENERGY
WITH GLOBAL CITIZENSHIP MINOR

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

ELECTIVES 9 credits
- 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).

- ENVST/GEOG 3210
- ENVST 3364 (IR)
- GEOG 3205, PHYS 3150 or SOC 3480

Electives (select seven courses)
- ANTH 4186 Human Ecology (BF, SF)
- ATMOS 3200/GEOG 3210 Mountain Weather & Climate
- ATMOS 5000 Introduction to Atmospheric Science (C)
- ATMOS 5270 Wind Power Meteorology (1.5 cr)
- ATMOS 5400 The Climate System
- BIOL 5440 Urban Ecology
- CHEM 1210/1215 General Chemistry & Lab (SF)
- CHEM 5640 Material Chemistry for Alternative Energy
- CMP 4710 Intro to Transportation Planning
- COMM 3115 Communicating Health, Science, Enviror
- COMM 5360 Environmental Communication
- COMM 5365 Communicating Climate Change
- ECON 3250 Introduction to Natural Resource Econ
- ECON 3260 Energy Policy Options for Utah
- ENGL 5080 Environmental Literature
- ENVST 3280 Organic Gardening (AS)
- ENVST 3390 Sustainable Streams and Riparian Zones
- ENVST 3370 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 3248 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 3480 US Environmental History (HF)
- HIST 3480 Environmental History of China
- HONOR 3215 Global Environmental Change
- MATH 1210 Calculus I (QR)
- MATH 1220 Calculus II (QR)
- MATH 5210 Nonprofit Advocacy
- PHIL 3310 Science & Society (RF)
- 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 (RF)
- SOC 3480 Environmental Sociology (RF)

*See International Studies website or advisor for full list

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
ENVST CLIMATE & ENERGY WITH SOCIOLOGY MINOR

**Statistics Courses** (select one)
*ATMOS 5040 Environmental Statistics (Q)
*COMM 3710 Intro to Quantitative Comm. Research (Q)
*CMP 4010 Field Studies in Urban Ecology (QI)
*ECON 3640 Probability & Statistics for Economists (Q, QB)
*GEOG 3020 Geographic Analysis (QI, Q)
*MATH 3070 Applied Statistics (QI, QB)
*POL 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)
*MGST 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 (Q) (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

**SCHOLARSHIPS**

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**Sociology Minor**

**SOCILOGY CORE**
- SOC 3101 INTRO TO SOCIOLOGY (4)
- SOC 3140 SOCIAL THEORY (3)
- SOC 3111 RESEARCH METHODS (3)

**SOCIETY ELECTIVE COURSES**
- (300+)
- (300+)

- SOC 3480 – Environmental Sociology
- 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. (300 LEVEL OR ABOVE) ELECTIVE HOURS CAN INCLUDE INTERNSHIP COURSES (SOC 3393, SOC 3593), SENIOR THESIS COURSES (SOC 3877, SOC 4877) BUT NOT INDEPENDENT STUDY COURSES.**
Leadership Studies Minor

**Requires: 21 credits**

**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*
## Required Classes

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

These three courses are pre-requisites for the upper division ENVS courses.

- **ENVS/GEOG 3210 Global Climate Change (SF)**
- **ENVS 3364 Challenges to Global Sustainability (IR)**
- **ENVS 3365 Environmental Justice (DY)**
- **POLIS 3322 Environmental Policy**

### Statistics Courses (select one)
- **COMM 3710 Intro to Quantitative Comm. Research (Q)**
- **CMP 4010 Field Studies in Urban Ecology (QI)**
- **FCS 3210 Statistics in Family & Consumer Studies (QI, QB)**
- **GEOG 3020 Geographic Analysis (QI, QI)**
- **POLIS 5001 Quantitative Analysis in Political Science (Q)**
- **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)**
- **ANTH 4339 Humans in the World of Plants**
- **ANTH 4430 Paleoethnobotany**
- **BIOL 3330 Plants & Society (AS)**
- **BIOL 3410 Ecology & Evolution**
- **BIOL 4350 Rainforest Ecology & Conservation (R, SF)**
- **BIOL 4370 Conservation Biology (AS)**
- **BIOL 3710 Biology, Society & Public Engagement**
- **CIS 5460 Plant Ecology in a Changing World**
- **CHEM 3030 The Science of Food & Cooking (SF)**
- **CHEM 1210/1215 General Chemistry & Lab (SF)**
- **COM 2010 Design Ecologies (BF)**
- **COM 3200 Ecology of Human Settlements**
- **COMM 3360 Environmental Communication**
- **ECON 3250 Intro to Environmental & Natural Resource Economics**
- **ENGL 3080 Environmental Literature**
- **ENVS 3280 Organic Gardening (AS)**
- **ENVS 3390 Sustainable Steams & Alpinian Zones**
- **ENVS 3720 Environmental Health Disparities**

### Electives (select seven courses)

- **ANTH 4186 Human Ecology**
- **ANTH 4330 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 (R, SF)**
- **BIOL 3470 Conservation Biology (AS)**
- **BIOL 3710 Biology, Society & Public Engagement**
- **BIOL 5460 Plant Ecology in a Changing World**
- **CHEM 1210/1215 General Chemistry & Lab (SF)**
- **CHEM 1210/1215 General Chemistry & Lab (SF)**
- **COM 2010 Design Ecologies (BF)**
- **COM 3200 Ecology of Human Settlements**
- **COMM 3360 Environmental Communication**
- **ECON 3250 Intro to Environmental & Natural Resource Economics**
- **ENGL 3080 Environmental Literature**
- **ENVS 3280 Organic Gardening (AS)**
- **ENVS 3390 Sustainable Steams & Alpinian Zones**
- **ENVS 3720 Environmental Health Disparities**

### Required Courses

<table>
<thead>
<tr>
<th>Course #</th>
<th>Title</th>
<th>Sem/Year</th>
<th>Grade</th>
<th>Credit Hours</th>
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<tbody>
<tr>
<td>1010</td>
<td>Culture and the Human Experience (BF)</td>
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### Choose one of the following:

<table>
<thead>
<tr>
<th>Course #</th>
<th>Title</th>
<th>Sem/Year</th>
<th>Grade</th>
<th>Credit Hours</th>
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<tbody>
<tr>
<td>1020</td>
<td>Human Origins: Evolution &amp; Diversity (SF)</td>
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<tr>
<td>1030</td>
<td>World Prehistory: An Introduction (Archaeology) (BF)</td>
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<tr>
<td>1050</td>
<td>Evolution of Human Nature (SF)</td>
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</table>

### Additional 12 hours required: (6 hours at 3000 level or above - limited summer offerings)

<table>
<thead>
<tr>
<th>Course #</th>
<th>Title</th>
<th>Sem/Year</th>
<th>Grade</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>4186</td>
<td>Human Ecology</td>
<td>/</td>
<td></td>
<td></td>
</tr>
<tr>
<td>4334</td>
<td>Population Issues in ANTH (QI, QB)</td>
<td>/</td>
<td></td>
<td></td>
</tr>
<tr>
<td>4340</td>
<td>Paleoethnobotany</td>
<td>/</td>
<td></td>
<td></td>
</tr>
<tr>
<td>4339</td>
<td>Humans in the World of Plants</td>
<td>/</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**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**

**Prerequisites**

<table>
<thead>
<tr>
<th>Course Number</th>
<th>Course Title</th>
<th>Credit Hours</th>
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</thead>
<tbody>
<tr>
<td>BIO 1210 or AP Bio</td>
<td>Principles of Biology</td>
<td>4</td>
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**Core Courses**

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<thead>
<tr>
<th>Course Number</th>
<th>Course Title</th>
<th>Credit Hours</th>
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<tbody>
<tr>
<td>NUIP 1020</td>
<td>Scientific Foundations of Nutrition &amp; Health</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td></td>
<td>AND</td>
</tr>
<tr>
<td>NUIP 4440</td>
<td>Advanced Human Nutrition</td>
<td>4</td>
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</table>

**Electives**

Select minimum of 9 credit hours.

<table>
<thead>
<tr>
<th>Course Number</th>
<th>Course Title</th>
<th>Credit Hours</th>
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</thead>
<tbody>
<tr>
<td>NUIP 3020</td>
<td>Cultural Aspects of Food</td>
<td>3</td>
</tr>
<tr>
<td>NUIP 3850</td>
<td>Special Projects: 1020 Foods Lab (Spanish) (permission required)</td>
<td>1</td>
</tr>
<tr>
<td>NUIP 5100</td>
<td>Pediatric Nutrition</td>
<td>3</td>
</tr>
<tr>
<td>NUIP 5320</td>
<td>Nutrition for Exercise and Sport</td>
<td>3</td>
</tr>
<tr>
<td>NUIP 5350</td>
<td>Eating Disorders: Prevention and Treatment (HEDU will not count)</td>
<td>3</td>
</tr>
<tr>
<td>NUIP 5360</td>
<td>Weight Management</td>
<td>3</td>
</tr>
<tr>
<td>NUIP 5420</td>
<td>Applied Nutrition through the Life Cycle</td>
<td>3</td>
</tr>
<tr>
<td>NUIP 6440</td>
<td>Macronutrient Metabolism (permission required)</td>
<td>4</td>
</tr>
</tbody>
</table>

**Methods Courses**

<table>
<thead>
<tr>
<th>Course Number</th>
<th>Course Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ANTH 4334</td>
<td>Population Issues in Anthropology (Q, QB)</td>
<td></td>
</tr>
<tr>
<td>BIOL 2355</td>
<td>Field Botany (2cr)</td>
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</tr>
<tr>
<td>FCS 3200</td>
<td>Research Methods in Family &amp; Consumer Studies</td>
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<tr>
<td>GEOL 3200</td>
<td>Introduction to GIS &amp; Cartography (QI) (Sc)</td>
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<tr>
<td>PSTD 3001</td>
<td>Political Analysis (QI, QB)</td>
<td></td>
</tr>
<tr>
<td>SOC 3111</td>
<td>Research Methods (CW)</td>
<td></td>
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</tbody>
</table>

**To Be Completed in Your Last Year**

<table>
<thead>
<tr>
<th>Course Number</th>
<th>Course Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENVST 4800</td>
<td>Environmental &amp; Sustainability Studies Internship</td>
<td></td>
</tr>
<tr>
<td>ENVST 5558</td>
<td>Capstone: Eating for Health, Justice &amp; Sustainability</td>
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</tbody>
</table>

**Statistics Courses**

<table>
<thead>
<tr>
<th>Course Number</th>
<th>Course Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>* ENVST 3364</td>
<td>Challenges to Global Sustainability (IR)</td>
<td></td>
</tr>
<tr>
<td>* ENVST 3365</td>
<td>Environmental Justice (DV)</td>
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</table>

**Writing Courses**

<table>
<thead>
<tr>
<th>Course Number</th>
<th>Course Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>* COMM 3710</td>
<td>Intro to Quantitative Comm. Research (QI)</td>
<td></td>
</tr>
<tr>
<td>* CMP 4010</td>
<td>Field Studies in Urban Ecology (QI)</td>
<td></td>
</tr>
<tr>
<td>* FCS 3210</td>
<td>Statistics in Family &amp; Consumer Studies (QI, QB)</td>
<td></td>
</tr>
<tr>
<td>* GEOG 3020</td>
<td>Geographic Analysis (QI, QB)</td>
<td></td>
</tr>
<tr>
<td>* POLS 5001</td>
<td>Quantitative Analysis in Political Science (QI)</td>
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</tr>
<tr>
<td>SOC 3112</td>
<td>Social Statistics (QI, QB)</td>
<td></td>
</tr>
</tbody>
</table>

**Electives**

Select seven courses from:

- ANTH 4186 Human Ecology
- ANTH 4339 Humans in the World of Plants
- ANTH 4340 Paleoenvironmental
- 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
- ENVS 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
- HONR 3215 Global Environmental Change
- NUIP 4010 Scientific Foundations of Human Nutrition & Health (AS)
- NUIP 4020 Cultural Aspects of Food & Health (IR)
- PHIL 3310 Science & Society (HF)
ENVST FOOD SYSTEMS & COMMUNITY RESILIENCE WITH POLITICAL SCIENCE MINOR

**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, AL)
- [ ] 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):

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
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<tbody>
<tr>
<td>POLS 5322</td>
<td>Environmental Policy</td>
</tr>
<tr>
<td>POLS 3001</td>
<td>Political Analysis</td>
</tr>
<tr>
<td>POLS 5001</td>
<td>Quantitative Analysis in POLS</td>
</tr>
<tr>
<td>POLS 5321, 3026, 5540 or 3320</td>
<td></td>
</tr>
</tbody>
</table>

For a full list of courses and descriptions, visit: 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**

Madelyn Smith, Lead Advisor: madelyn.smith@csbs.utah.edu
Tracey Farnsworth, Academic Advising Coordinator: tracey.farnsworth@utah.edu

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**ENVST/GEOG 3210 Global Climate Change (SF)**
*ENVST 2264 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)
- PCS 3210 Statistics in Family & Consumer Studies (QI, QP)
- GEOG 3026 Geographic Analysis (QI, QP)

**POLS 5001 Quantitative Analysis in Political Science (QI)**
SOC 3112 Social Statistics (QI, QP)

**Writing Courses (select one)**
- COMM 4650 Environmental Reporting (CW)
- CMP 4366 Land, Law, and Culture (CW)
- GEOG 3400 Population Geography (CW)
- HONOR 3200 Writing in a Research University
- HONOR 5310 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, QP)
- 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) (SoC)
- HONOR 3063 Political Analysis (QI, QP)
- 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
Lawyer/Public Policy Specialist
ENVST FOOD SYSTEMS & COMMUNITY RESILIENCE with GLOBAL CITIZENSHIP MINOR

**Statistics Courses (select one)**
- ENVST 3264 Challenges to Global Sustainability (IR)
- ENVST 3265 Environmental Justice (DV)
- POLS 3322 Environmental Policy

**Writing Courses (select one)**
- COMM 3710 Intro to Quantitative Comm. Research (Q)
- CMP 4010 Field Studies in Urban Ecology (Q)
- FCS 3210 Statistics in Family & Consumer Studies (Q, QI)
- GEOL 3920 Geographic Analysis (Q, QI)
- POLS 5001 Quantitative Analysis in Political Science (Q)
- SOC 3112 Social Statistics (Q, QI)

**Method Courses (select one)**
- ANTH 3334 Population Issues in Anthropology (Q, QI)
- BIOL 2355 Field Botany (2cr)
- CMP 4450 GIS for Urban Ecologists (Q)
- FCS 3200 Research Methods in Family & Consumer Studies
- GEOL 3100 Introduction to GIS & Cartography (Q) (Sc)
- POLS 3001 Political Analysis (Q, QI)
- 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 Restored Ecology & Conservation (IR, SF)
- *BIOL 3470 Conservation Biology (AS)
- BIOL 3710 Biology, Society & Public Engagement
- BIOL 5460 Plant Ecology in a Changing World
- CHEM 1210/1215 General Chemistry & Lab (SF)
- CMP 2010 Design Ecologies (BF)
- CMP 3200 Ecology of Human Settlements
- COMM 3360 Environmental Communication
- ECON 3250 Intro to Environmental & Natural Resource Economics
- ENGL 5080 Environmental Literature
- ENVST 3280 Organic Gardening (AS)
- ENVST 3590 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
- *HONR 3215 Global Environmental Change
- NUIP 1020 Scientific Foundations of Human Nutr. & Health (AS)
- NUIP 2320 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 (Q, QI, QI)

**Language Courses**
- 6 - 8 credits
- 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**
- 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

Sociology Minor

Statistics Courses (select one)
*COMM 3710 Intro to Quantitative Comm. Research (Q)
*CMP 4010 Field Studies in Urban Ecology (Q)
*FCS 3210 Statistics in Family & Consumer Studies (Q, QB)
*GEOG 3020 Geographic Analysis (Q, QB)
*POL 5001 Quantitative Analysis in Political Science (Q)
SOC 3112 Social Statistics (Q, 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 (ECI)
*CMP 4450 GIS for Urban Ecologists (QI)
FCS 3200 Research Methods in Family & Consumer Studies
*GEOG 3100 Introduction to GIS & Cartography (QI) (5cr)
*POL 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

SOCIOLOGY ELECTIVE COURSES

- SOC 3480 – Environmental Sociology
- SOC 3112 – Social Statistics (QI, QB)

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

- SOC 3486 – Global Environmental Crisis
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
ENVST FOOD SYSTEMS & COMMUNITY RESILIENCE 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 3322 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 5501 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)
*HONR 3200 Writing in a Research University
*MGT 3810 Business and Professional Communication (CW)
WRGT 3012 Writing in the Social Sciences (CW)
WRGT 3014 Scientific Writing (CW)
WRGT 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) (Scrl)
*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 6340 Paleoethnobotany
BIOL 3330 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 3770 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 3630 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 3730 Environmental Health Disparities
BIOL 2355 Field Botany (2Cr)
FCS/PSY 3620 Environmental Psychology & Sustainability
FCS 5450 Nonprofit Community Organizations
FCS 5630 Healthy Communities
FCS 5730 Community and Environmental Change
HEUG 4180 Community-Based Prevention Practices in Health Promotion & Education
*HUMN 3111 Global Environmental Change

Course Number and Title

<table>
<thead>
<tr>
<th>Course Number and Title</th>
<th>Credit Hrs</th>
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<tr>
<td>Required Courses</td>
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<tr>
<td>GEOG 1000 – Earth Environments and Global Change</td>
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<td>GEOG 1400 – Human Geography</td>
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<tr>
<td>GEOG 3100 – Introduction to GIS &amp; Cartography (Fall/Online Spring &amp; Summer)</td>
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<td>Elective Courses—upper division courses (&gt; 3000)</td>
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<td>GEOG 3### – Choose from: GEOG 3020, 3400, and/or GEOG 3###</td>
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<td>GEOG 3###</td>
<td>3390</td>
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**TOTAL COURSES (min. 6)**

**TOTAL RESIDENCY HRS. (12 cr. hrs. at U of U Geog. Dept.)**

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 prerequisites 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 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*
- 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)

**CMP 2010**
- Design Ecologies (3)

**CMP 3200**
- Ecology of Human Settlements (3)

**DES 2630**
- Design Contexts (3)

**CMP 4010**
- Field Studies in Urban Ecology I (4)

**CMP 4600**
- The Just City (3)

**Electives (select seven courses)**
- ANTH 4186 Human Ecology
- ANTH 4330 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/PST 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
- HUMN 5360 Culturally Responsive Science
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)
CMPP 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)
CMPP 4260 Law, Law, and Culture (CW)
*GEOG 3400 Population Geography (CW)
*HONOR 3200 Writing in a Research University
*MGT 3810 Business and Professional Communication (CW)
WRIT 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 3355 Field Botany (2cr)
*CMPP 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 1210/121S General Chemistry & Lab I (SF)
*CHEM 2120/212S General Chemistry & Lab II (SF)
*CMP 2010 Design Ecologies (BF)
CMPP 3200 Ecology of Human Settlements
COMM 5360 Environmental Communication
ECOE 2520 Intro to Environmental & Natural Resource Economics
ENGL 5080 Environmental Literature
ENVST 3280 Organic Gardening (AS)
*ENVST 3390 Sustainable Streams & Riparian Zones
ENVST 3770 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
NURP 1020 Scientific Foundations of Human Nutr. & Health (AS)
NURP 3220 Food Communication (BF)
NURP 3620 Cultural Aspects of Food (BF)
PHEL 3110 Science & Society (HF)

Consumer and Community Studies (CCS) Minor

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 5560 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
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 SpecificIssues 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)

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 AND SOCIAL CHANGE
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 Methods in Urban Ecology (QI)
- FCS 3210 Statistics in Family & Consumer Studies (QI, QB)
- GEOG 3020 Geographic Analysis (QI, QB)
- *POL 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 4344 Population Issues in Anthropology (QI, QB)
- CMP 4450 GIS for Urban Ecologists (QI)
- COMM 4570 Visual Editing
- ENVST 5180 Field Ecology
- FCS 3220 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 and HF)

To Be Completed in Your Last Year
- ENVST 4800 Environmental & Sustainability Studies Internship
- ENVST 5557 Capstone: Teaching Environmental Literacy

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 3300 Community & Social Responsibility (CW, HF)
- COMM 3360 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 4400 Gender & Econ. Development in 3rd World
- ECS 3180 Home, School & Community Relations
- ESS 4111 School & Society (DV, CW, HF)
- *ECS 5715 Urban Education
- ENGL 5090 Environmental Literature
- ENGL 5930 Theories of Race, Ethnicity, Nation
- ENVST 3350 Organic Gardening (AS)
- ENVST 3390 Sustainable Forest & Riparian Zones
- ENVST 3720 Environmental Health Disparities
- FCS/PSY 3620 Environment & Behavior
- FCS 5450 Nonprofit Community Organizations
- FSS 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 3350 Environmental Ethics (HF)
- PHIL 3730 Justice & International Affairs (IR)
- PHIL 5530 Environmental Philosophy (HF)
- POLS 5540 Nonprofit Advocacy
- *POL 5625 International Ethics
- POLS 5810 Intern. 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 5322 Environmental Policy
- POLS 3001 (QI, QB), POLS 5001 (QI)
- POLS 5540, POLS 5625
- or POLS 5810 (CW)

For a full list of courses and descriptions, visit 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@cbs.utah.edu
Tracey Farnsworth, Academic Advising Coordinator: tracey.farnsworth@utah.edu

CAREER OUTLOOK
Non-profit organizations

Non-credit organizations
ENVST ECOLOGICAL LITERACY AND SOCIAL CHANGE
WITH STRATEGIC COMMUNICATION MINOR

REQUIRED CLASSES

ENVST 2000 Field Experience: Environment and Sustainability (SF)
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 4010 Field Methods in Urban Ecology (Q)
FCS 3210 Statistics in Family & Consumer Studies (QI, QB)
*GEOG 3020 Geographic Analysis (Q), (QI)
*POLS 3001 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 3480 Population Geography (Q)
GNDR 3100 Medusa & Manifesto: 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 3334 Population Issues in Anthropology (QI, QB)
*CMP 4450 GIS for Urban Ecologists (Q)
*COMM 4570 Visual Editing
*ENVST 5100 Field Ecology
FCS 3200 Research Methods in Family and Consumer Studies
*GEOG 3100 Introduction to GIS & Cartography (QI) (Bct)
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)
*BIOI 3410 Ecology & Evolution
BIOI 3470 Conservation Biology (AS)
BIOL 3710 Biology, Society & Public Engagement
COMM 3115 Communicating Health, Science, Environment
COMM 3290 Native American Activism (DV)
COMM 3300 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 Econom
ECON 5560 Gender & Econ. Development in 3rd World
ECS 3180 Home, School & Community Relations
ECS 4111 School & Society (DV, HF)
*ECO 5715 Urban Education
ENGL 5080 Environmental Literature
*ENGL 5930 Theories of Race, Ethnicity, Nation
ENVST 3380 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)

COMMENTS

Complete a total of 18 credits; 6 courses total (credit hours, university requirements, and prerequisites 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

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)
*HONR 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
*ENVS 5180 Ecology Field
FCS 3290 Research Methods in Family and Consumer Studies
*GEOG 3100 Introduction to GIS & Cartography (QI, SCI)
POLS 3001 Political Analysis (QI, QB)
SOC 3111 Research Methods (CW)

To Be Completed in Your Last Year
*ENVS 4800 Environmental & Sustainability Studies Internship
*ENVS 5557 Capstone: Teaching Environmental Literacy

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DIVERSITY CORE (3 Credit Hours) Required
SOC 3380 Social Inequalities (3) DV

DIVERSITY ELECTIVE COURSES: (9 credit hours) CHOOSE 3
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 3300 Diversity Service Learning (3) DV
SOC 3334 Race, Class & The American Dream (3)
SOC 3310 Latina/o Sociology (3)

DIVERSITY ALLIED COURSES: (6 credit hours) CHOOSE 2
ANTH 3111 First Nations of Eastern North America
ANTH 3112 First Nations of Western North 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)
FCS 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 3140 Feminist Political Theory (3)
POLS 5324 Disability Studies (3)
POLS 5343 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 5555 Social Justice Advocacy Techniques and Skills
ENVST ECOLOGICAL LITERACY & SOCIAL CHANGE
WITH GLOBAL CITIZENSHIP MINOR

Global Citizenship Minor

**REQUIRED CORE (choose one)**
- UGS 2230 Block U: Global Citizenship
- UGS 2235 Block U: Global Citizenship

**LANGUAGE COURSES**
- 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 (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 3303 Community & Social Responsibility (CW, SOCC 3430 Consuming the Earth
- COMM 3360 Environmental Communication
- COMM 3365 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 3390 Environmental Health Disparities
- FCS/PSY 3620 Environment & Behavior
- FCS 5450 Nonprofit Community Organizations
- FCS 5730 Community & Environmental Change
- FILM 3320 Documentary & Social Justice (FF)
- GNDR 1100 Gender & Social Change (BF, DV)
- GNDR 5800 Gender, Power & Freedom
- HIST 4380 Environmental History (HF)
- PHIL 3310 Science & Society (HF)
- PHIL 3330 Environmental Ethics (HF)
- PHIL 3330 Justice & International Affairs (IR)
- PHIL 5330 Environmental Philosophy (HF)
- POLS 5540 Nonprofit Advocacy
- POLS 5562 International Ethics
- POLS 5810 Dem, Activism & Social Change/Research
- PRF 5735 Youth Development
- SOC 3422 Social Movements
- SOC 3480 Environmental Sociology (IR)

**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, Environ
- COMM 3290 Native American Activism (DV)
- COMM 3303 Community & Social Responsibility (CW, SOCC 3430 Consuming the Earth
- COMM 3360 Environmental Communication
- COMM 3365 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 3390 Environmental Health Disparities
- FCS/PSY 3620 Environment & Behavior
- FCS 5450 Nonprofit Community Organizations
- FCS 5730 Community & Environmental Change
- FILM 3320 Documentary & Social Justice (FF)
- GNDR 1100 Gender & Social Change (BF, DV)
- GNDR 5800 Gender, Power & Freedom
- HIST 4380 Environmental History (HF)
- PHIL 3310 Science & Society (HF)
- PHIL 3330 Environmental Ethics (HF)
- PHIL 3330 Justice & International Affairs (IR)
- PHIL 5330 Environmental Philosophy (HF)
- POLS 5540 Nonprofit Advocacy
- POLS 5562 International Ethics
- POLS 5810 Dem, Activism & Social Change/Research
- PRF 5735 Youth Development
- SOC 3422 Social Movements
- SOC 3480 Environmental Sociology (IR)

**Careers in Environmental Literacy**

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

*See International Studies website or advisor for full list*
 Trio of ENVST 3564 Challenges to Global Sustainability (IR) & ENVST 3565 Environmental Justice (DV) & POLS 5322 Environmental Policy

**Anthropology Minor**

**REQUIRED CLASSES**

<table>
<thead>
<tr>
<th>Course #</th>
<th>Title</th>
<th>Sem/Year</th>
<th>Grade</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>1010</td>
<td>Culture and the Human Experience [BF]</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1020</td>
<td>Human Origins: Evolution &amp; Diversity [SF]</td>
<td></td>
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<tr>
<td>1030</td>
<td>World Prehistory: An Introduction (Archaeology) [BF]</td>
<td></td>
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<tr>
<td>1050</td>
<td>Evolution of Human Nature [SF]</td>
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**Electives** (select seven courses)

<table>
<thead>
<tr>
<th>Course #</th>
<th>Title</th>
<th>Sem/Year</th>
<th>Grade</th>
<th>Credit Hours</th>
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<tbody>
<tr>
<td>4186</td>
<td>Human Ecology</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>4334</td>
<td>Population Issues in ANTH (QI, QB)</td>
<td></td>
<td></td>
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</tr>
<tr>
<td>4245</td>
<td>Human Migration &amp; Social Change (IR)</td>
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**Writing Courses** (select one)

<table>
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<th>Course #</th>
<th>Title</th>
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<tbody>
<tr>
<td>4650</td>
<td>Environmental Reporting (CW)</td>
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<tr>
<td>4269</td>
<td>Land, Law, &amp; Culture (CW)</td>
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<tr>
<td>3000</td>
<td>Population Geography (CW)</td>
</tr>
<tr>
<td>3100</td>
<td>Medusa &amp; Manifesto: Identity &amp; Protest (CW)</td>
</tr>
<tr>
<td>3050</td>
<td>Business &amp; Professional Communication (CW)</td>
</tr>
<tr>
<td>3002</td>
<td>Writing in the Social Sciences (CW)</td>
</tr>
<tr>
<td>3012</td>
<td>Scientific Writing (CW)</td>
</tr>
<tr>
<td>3420</td>
<td>Environmental Writing (CW and HF)</td>
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</table>

**Methods Courses** (select one)

<table>
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<tr>
<th>Course #</th>
<th>Title</th>
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<tbody>
<tr>
<td>4334</td>
<td>Population Issues in Anthropology (QI, QB)</td>
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<tr>
<td>4450</td>
<td>GIS for Urban Ecologists (QI)</td>
</tr>
<tr>
<td>4570</td>
<td>Visual Editing</td>
</tr>
<tr>
<td>3560</td>
<td>Sustainable Streams &amp; Riparian Zones</td>
</tr>
<tr>
<td>3590</td>
<td>Sustainable Streams &amp; Riparian Zones</td>
</tr>
<tr>
<td>3620</td>
<td>Environmental Health Disparities</td>
</tr>
<tr>
<td>3640</td>
<td>Nonprofit Community Organizations</td>
</tr>
<tr>
<td>3720</td>
<td>Community and Environmental Change</td>
</tr>
<tr>
<td>3520</td>
<td>Documentary &amp; Social Justice</td>
</tr>
</tbody>
</table>

**TOTAL HOURS** -- Minimum of 18 semester credit hours

(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

**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

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

Ronald Minnaw
ENVST ECOLOGICAL LITERACY AND SOCIAL CHANGE
WITH SOCIAL JUSTICE ADVOCACY 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)
*ENVS 3365 Environmental Justice (DV)

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

Writing Courses (select one)
COMM 4550 Environmental Reporting (Q)
CMP 4260 Land, Law, & Culture (Q)
*GEOG 3400 Population Geography (Q)
GNDR 3100 Media & Manifestos: Identity & Protest (Q)
*HONR 3200 Writing in a Research University
*MGD 3810 Business & Professional Communication (Q)
WRIG 3007 Writing in the Social Sciences (Q)
WRIG 3014 Scientific Writing (Q)
WRIG 3420 Environmental Writing (Q)

Methods Courses (select one)
*ANTH 3334 Population Issues in Anthropology (QI, Q)
*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, Q)
POL 3001 Political Analysis (QI, Q)
SOC 3111 Research Methods (Q)

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 5710 Applied Ecology, Society & Public Engagement
COMM 3115 Communicating Health, Science, Environment
COMM 3290 Native American Activism (DV)
COMM 5300 Community & Social Responsibility (CW, HF)
COMM 5360 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 3560 Gender & Econ. Development in 3rd World
ECS 3180 Home, School & Community Relations
ECS 4111 School & Society (CW, HF)
*ECS 5715 Urban Education
ENGL 5080 Environmental Literature
*ENGL 5930 Techniques of Research, Ethnicity, Nation
ENVST 3280 Organic Gardening (AS)
*ENVST 3390 Sustainable Streams & Riparian Zones
ENVST 3720 Environmental Health Disparities
FCS/PSY 3620 Environment & Behavior
FCS 5540 Nonprofit Community Organizations
FCS 5730 Community and Environmental Change
FILM 3520 Documentary & Social Justice (FF)
GNDR 100 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 3720 Justice & International Affairs (BF)
PHIL 5530 Environmental Philosophy (HF)

Social Justice Advocacy Certificate
– through Social Work

Questions? Contact academic advisor Elizabeth.Perez@utah.edu or instructor 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):
  o GNDN 2500 Here I Stand: An Intro to Gender Studies (3 Credits) (DV)
  o GNDN 3570 Introduction to LGBTQ Studies: Finding Out (3 Credits) (DV)
- DISAB 3000 Introduction to Disability Studies (3 Credits) (DV)
- Any of these (choose one)
  o THSA 3700 American Political Theatre (3 Credits) (DV, FF)
  o POLS 2200 Introduction to Comparative Politics (3 Credits) (BF)
  o POLS 3700 Urban Politics (3 Credits)
  o POLS 3810 Democratic Theory (3 Credits)
  o POLS 3830 Globalization and World Politics (3 Credits) (IR)
- SW 3555 Social Justice Advocacy Techniques and Skills (3 Credits) (Capstone course) (Pre-req SW 3550)

General Education Requirements:

- Choose one of these:
  o SW 4100 Global Community-Based Research (3 Credits) (IR)
  o PHIL 3640 World Religions (3 Credits) (HF, IR)
  o PHIL 3730 Justice and International Affairs (3 Credits) (IR)
  o PMT 3610 The Global Citizen: Responsible Travel and International Life (3 Credits) (IR)
  o CLOCS 3900 Cultures in Contact (1-3) (Pre-req: 2020 language course or equivalent)
  o GEOG 4400 Human Geography (3 Credits) (BF)

Dynamics of Power:

- Choose one of these:
  o COMM 3303 Communication and Social Responsibility (3 Credits) (HF, CW)
  o WRTG 3700 Writing as Social Practice (3 Credits) (HF)
  o WRTG 4870 Writing, Persuasion, and Power (3 Credits)
  o CMP 4260 Law, Law, and Culture (3 Credits)
  o SOC 3650 Population and Society (3 Credits) (IR, Q)
  o GNDN 3685 The Price of Gender (3 Credits)
  o ENTP 3030 Social Entrepreneurship and Innovation (3 Credits)
  o ENGL 3600 Introduction to Critical Theory (3 Credits) (CW) (Pre-req ENGL 3550 or 2600)

Communicating with Stakeholders:

- Choose one of these:
  o COMM 1270 Analysis of Argument (3 Credits) (OB, HF)
  o COMM 5200 Persuasion and Political Communication (3 Credits)
  o ETHNC 5800 Theories and Research on Social Inequality (3 Credits)
  o CSD 4600 Diverse Populations with Communication Needs (3 Credits) (DV)
  o ECON 1010 Economics as a Social Science (3 Credits) (BF)
ENVST ECOLOGICAL LITERACY AND SOCIAL CHANGE WITH DOCUMENTARY STUDIES MINOR

REQUIRED CLASSES
ENVST 2600 Field Experience: Environment and Sustainability
ENVST 2650 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/GEOL 3210 Global Climate Change (SF)
*ENVST 3364 Challenges to Global Sustainability (IR)
*ENVST 3365 Environmental Justice (DV)
POLS 5322 Environmental Policy

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

Electives (select seven courses)
• ANTH 4186 Human Ecology (BF, SF)
• ANTH 4245 Human Migration & Social Change (IR)
• BIO 3410 Ecology & Evolution
• BIOL 3700 Conservation Biology (AS)
• BIOL 3710 Biology, Society & Public Engagement
• COMM 3115 Communicating Health, Science, Environment
• COMM 3290 Native American Activism (DV)
• COMM 3300 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 2410 Design Ecologies (BF)
• ECON 3250 Intro to Environmental & Natural Resource Economics
• ECON 5560 Gender & Econ. Development in 3rd World
• ECG 3180 Home, School & Community Relations
• ECG 4111 School & Society (DV, CW, HF)
• ENGL 5715 Urban Education
• ENVL 5080 Environmental Literature
• ENVL 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 4500 Nonprofit Community Organizations
• FCS 5730 Community and Environmental Change
• FILM 3520 Documentary & Social Justice (BF)
• GNDR 1100 Gender & Social Change (BF, DV)
ENVST ECOLOGICAL LITERACY AND SOCIAL CHANGE
WITH SOCIOLOGY MINOR

Sociology Minor

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

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

**Methods Courses (select one)**
- *ANTH 4334* Population Issues in Anthropology (QI, QB)
- *CMP 4450* GIS for Urban Ecologists (Q)
- *COMM 4570* Visual Editing
- *ENVS 5120* Field Ecology
- *FCS 3220* Research Methods in Family and Consumer Studies
- *GEOG 3100* Introduction to GIS & Cartography (Q) (Scr)
- *POLS 3001* Political Analysis (QI, QB)
- *SOC 3111* Research Methods (CW)

**To Be Completed in Your Last Year**
- *ENVS 4800* Environmental & Sustainability Studies Internship
- *ENVS 5557* Capstone: Teaching Environmental Literacy

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**CAREER OUTLOOK**

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

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**Sociology Elective Courses**

- **SOC 3480** – Environmental Sociology
- **SOC 3112** – Social Statistics (QI, QB)
- **SOC 3422** – Social Movements
- **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, SOC 4877) but not independent study courses.
ENVST ECOLOGICAL LITERACY AND SOCIAL CHANGE
WITH GENDER STUDIES MINOR

Gender Studies Minor

INTRODUCTORY COURSES
3 CREDITS

- ANTH 4386: Human Ecology (IF, SF)
- ANTH 4245: Human Migration & Social Change (IR)
- BIOL 3410: Ecology & Evolution
- BIOL 3470: Conservation Biology (AS)
- BIOL 3710: Biology, Society & Public Engagement
- COMM 3151: Communicating Health, Science, Environment
- COMM 3290: Native American Activism (DI)
- COMM 3260: Community & Social Responsibility (CW, HF)
- COMM 3460: Consuming the Earth
- COMM 3560: Environmental Communication
- COMM 3565: Communicating Climate Change
- COMM 3490: Communication & Social Justice
- CMP 2010: Design Ecologies (BF)
- ECON 3250: Intro to Environmental & Natural Resource Econ
- ECS 3180: Home, School & Community Relations
- ECS 4111: School & Society (DV, CW, HF)
- ENGL 5090: Environmental Literature
- ENGL 5390: 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 (DF)
- GNRD 1100: Gender & Social Change (BF, DV)
- GNRD 5080: Gender, Power & Freedom
- HIST 4380: Environmental History (HF)

ELECTIVES
COMPLETE TWO COURSES
6 CREDITS

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

- GNRD 5560: Gender & Economic Development in the Third World (3)
- GNRD 5758: Gender & Power in Latin America (3)
- GNRD 5760: Gender & Sexualities in Int'l Literature (IR)
- GNRD 5765: Gender & War (IR)
- GNRD 5770: Gender & Sexual Orientation (3)
- GNRD 5775: Gay Families in America (3)
- GNRD 3900: Special Topics (1-3)
- GNRD 3910: Special Topics (1-3)
- GNRD 3920: Special Topics (1-3)
- GNRD 3930: Special Topics (1-3)
- GNRD 3940: Special Topics (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

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

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

<table>
<thead>
<tr>
<th>Areas</th>
<th>Minimum</th>
<th>Qualified Courses</th>
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<tbody>
<tr>
<td>I Ethics and Value Theory</td>
<td>One course</td>
<td>3011*, 3510, 3520, 3530, 3700, 3710, 3720, 3730, 3740, 3750, 3800, 3820, 4540, 5130, 5191*, 5500, 5510, 5520, 5530, 5540, 5700, 5710, 5800</td>
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<tr>
<td>II Metaphysics and Epistemology</td>
<td>One course</td>
<td>3012*, 3300, 3310, 3350, 3370, 3375, 3400, 3440, 3600, 3610, 3800, 4400, 4450, 4480, 5192*, 5300, 5350†, 5370†, 5375†, 5400*, 5450, 5480*</td>
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<tr>
<td>III History of Philosophy</td>
<td>One course</td>
<td>3013*, 3810, 4110, 4120, 4130, 4140, 5040, 5060, 5110, 5120*, 5150*, 5193*, 5360</td>
</tr>
<tr>
<td>IV Logic and Formal Methods</td>
<td>One course</td>
<td>1250, 3200, 3210, 5200, 5210, 5220</td>
</tr>
</tbody>
</table>

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.

To Be Completed in Your Last Year
*ENVST 4800 Environmental & Sustainability Studies Internship
*ENVST 5557 Capstone: Teaching Environmental Literacy
# ENVST Ecological Literacy & Social Change 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)

- 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 3100 Medusa & Manifestos: Identity & Protest (CW)
- HONORS 2200 Writing in a Research University
- MGT 3810 Business & Professional Communication (CW)
- WRIT 3282 Writing in the Social Sciences (CW)

### Electives (select seven courses)

- ANTH 4186 Human Ecology (BF, SF)
- ANTH 4245 Human Migration & Social Change (IR)
- BIOE 3410 Ecology & Evolution
- BIOL 3470 Conservation Biology (AS)
- BIOL 3710 Biology, Society, & Public Engagement
- COMM 3115 Communicating Health, Science, Environment
- COMM 3200 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 5460 Communication & Social Justice
- CMP 2010 Design Ecologies (BF)

### Elective Courses: Must complete three courses*

- ECON 3250 – Intro to Natural Resource Economics
- ECON 5560 – Gender & Economics Development

* 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

**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.
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 & Manifestes: Identity & Protest (CW)
HONR 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 3209 Research Methods in Family and Consumer Studies
*GEOG 3100 Introduction to GIS & Cartography (QR, Sc)
POLS 3001 Political Analysis (QI, QB)
SOC 3111 Research Methods (QI, QB)

Electives (select seven courses)
*ANTH 4166 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 3300 Community & Social Responsibility (CW)
COMM 4360 Consuming the Earth
COMM 5360 Environmental Communication
COMM 5365 Communicating Climate Change
COMM 5400 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 5010 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
HIL 3250 Documentary & Social Justice (ED)

Course Number and Title

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

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