EXPLORING MINORS & CERTIFICATES TO COMPLEMENT ENVST

ADDING TO YOUR INTERDISCIPLINARY DEGREE

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 not on this list to complement your degree! Choose something you’re passionate about or that adds to your goals.

Make sure to check the relevant department websites and with their advisors to declare and confirm required courses.

Explore all minors and certificates the U of U has to offer at: https://advising.utah.edu/majors/quick-look/index.php
# ENVST CONSERVATION & LAND MANAGEMENT WITH ANTHROPOLOGY MINOR

## REQUIRED CLASSES

- **Pre-requisites for ENVST upper division courses**
  - ENVST 2000 First Year Seminar (1cr)
  - ENVST 2050 Introduction to Environmental Science (SF)
  - ENVST 2100 Introduction to Environmental & Sustainability Studies (BF)

- **ENVST upper division courses**
  - ENVS 3210 Global Climate Change (SF)
  - *ENVS 3366 Challenges to Global Sustainability (IR)*
  - *ENVS 3365 Environmental Justice (DV)*

- **Policy Courses** (select one)
  - POLS 3390 Intro to Environmental Policy
  - POLS 5322 Environmental Policy
  - POLS 5510 Water Policy

- **Statistics Courses** (select one)
  - *COMM 3710 Intro to Quantitative Comm. Research (QI)
  - CMP 4010 Research Methods in Urban Ecology (QI)
  - *GEOG 2020 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, & Culture (CW)
  - *GEOG 3270 Global Patterns of Life (CW, SF)
  - *HONR 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 5234 Population Issues in Anthropology (QI, QB)
  - BIOL 2355 Field Botany (2cr)
  - *CMP 4450 GIS for Urban Ecologists (QI)
  - *GEOG 3400 Computational & Field Methods in Applied Geography
  - *GEOG 3100 Introduction to GIS & Cartography (QI, 5cr)

- **Electives** (select seven courses)
  - ANTH 3486 Human Ecology (BF, SF)
  - ATMOS 3200/GEOG 3280 Mountain Weather & Climate
  - *BIOL 1620/1625 Fundamental Principles of Biology II*
  - *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 3470 Conservation Biology (AS)
  - *BIOL 5460 Plant Ecology in a Changing World*
  - *CHEM 121/1215 General Chemistry & Lab I (SF)*
  - CMP 2090 Design Ecologies (BF)
  - CMP 3100 Planning Theory & Practice
  - CMP 3200 Ecology of Human Settlements
  - CMP 4710 Introduction to Transportation Planning
  - COMM 5360 Environmental Communication
  - COMM 5365 Communicating Climate Change
  - ECON 3250 Intro to Env. & Natural Resource Economics (BF)
  - *ECON 5250 Environmental & Natural Resource Economics*
  - ENGL 2050 Literature of the American West
  - ENGL 3580 Studies in Environmental Literature
  - ENVST/GEOG 3386 Energy Choices for the 21st Century (SF)
  - *ENVST/GEOG 3390 Sustainable Streams & Riparian Zones*
  - ENVST/SOC 3720 Environmental Health Disparities
  - FCS/PSY 3620 Environmental Psychology & Sustainability
  - FCS 5600 Environments & Human Behavior
  - FCS 5630 Healthy Communities
  - FCS 5650 Community & Environmental Health

## Complete all of the following

### Lower Division
- Complete at least 2 of the following:
  - ANTH 1020 - Human Origins: Evolution and Diversity (3)
  - ANTH 1030 - Prehistoric Archaeology (3)
  - ANTH 1050 - The Evolution of Human Nature (3)
  - ANTH 1101 - Culture and the Human Experience (3)

### Electives
- Complete all of the following
- Earned at least 6 credits from ANTH

## Grand Total Credits: 18
ENVST CONSERVATION & LAND MANAGEMENT  
WITH GEOGRAPHY MINOR

ENVST upper division courses
ENVST/GEOG 3210 Global Climate Change (SF)
* ENVST 3354 Challenges to Global Sustainability (IR)
* ENVST 3365 Environmental Justice (DV)

Policy Courses (select one)
POLS 3390 Intro to Environmental Policy
POLS 3122 Environmental Policy
POLS 5510 Water Policy

Statistics Courses (select one)
* COMM 3710 Intro to Quantitative Commun. Research (Q)
* CMP 4010 Research Methods in Urban Ecology (Q)
* GEOG 3200 Geographic Analysis (Q, QI)
* POLS 5001 Quantitative Analysis in Political Science (Q)
SOC 3112 Social Statistics (Q, QI)

Writing Courses (select one)
* COMM 4650 Environmental Reporting (CW)
CMP 4260 Land, Law, & Culture (CW)

* GEOG 3270 Global Patterns of Life (CW, SF)
* HONOR 3280 Writing in a Research University (CW)
* MGST 3180 Business & Professional Communication (CW)

* WRTG 3041 Scientific Writing (Q)
WRTG 3420 Environmental Writing (CW, H&FI)

Methods Courses (select one)
* ANTH 5324 Population Issues in Anthropology (QI, QII)
* BIOI 2355 Field Botany (QII)
* CMP 4450 QI for Urban Ecologists (Q)
* GEOG 3490 Computational & Field Methods in Applied Geology
* GEOG 3100 Introduction to GIS & Cartography (QI, QII)
* GEOG 5712 Paleo environmental Field Methods

POLS 3001 Political Analysis (QI, QII)
* PRT 3770 Program & Service Evaluation in PRT (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

CAREER OUTLOOK

Electives (select seven courses)
ANTH 3486 Human Ecology (BF, SF)
ATMOS 2200 GEOG 3280 Climate, Weather & Climate
* BIOL 1620/1635 Fundamental Principles of Biology II
* BIOL 2400 Principles of Wildlife Ecology & Conservation (AS)
* BIOL 3340 Intro to Plant Biology
* BIOL 2410 Ecology & Evolution
* BIOL 3450 Rain Forest Ecology & Conservation (IR, SF)
* BIOL 3470 Conservation Biology (AS)
* BIOL 3480 Plant Ecology in a Changing World
* CHEM 2111/2115 General Chemistry I/II Lab (SF)
* CMP 210 Design Ecologies (BF)
* CMP 3100 Planning Theory & Practice
CMSP 3200 Ecology of Human Settlements
* CMSP 4720 Introduction to Transportation Planning
COMM 3560 Environmental Communication
COMM 5365 Communicating Climate Change
ECON 3350 Intro to Envs. & Natural Resource Economics (BF)
* ECN 5250 Environmental & Natural Resources Economics
ENGL 2650 Literature of the American West
ENGL 3680 Studies in Environmental Literature

ENVST/GEOG 3368 Energy Choices for the 21st Century (SF)
* ENVST/GEOG 3390 Sustainable Streams & Riparian Zones
ENVST/SOC 3720 Environmental Health Disparities
FCPS/PST 3620 Environmental Psychology & Sustainability
FCS 5600 Environmental & Human Behavior
FCS 5630 Healthy Communities
FCS 5770 Community & Environmental Change
GEO 1100 National Parks: Geology Behind the Scenery
* GEOG 3200 Geomorphology: Mountains, Rivers, Deserts (SF)
* GEOG 3215 Climate Change Impacts, Adaptation and Mitigation
* GEOG 3350 Resource Conservation & Envir Management (BF)
* GEOG 3385 Federal Land Management
GEOS 5205 Climate Change Foundations
* GEOG 5275 Vegetation & Climate Change
HIST 4380 US Environmental History
HIST 4885 Environmental History of India
* HONOR 3245 Global Environmental Change

GEOGRAPHY MINOR

Required Courses
GEOG 1000 SF (3)
GEOG 1400 BF (3)
GEOG 3100 QI (3)

Elective Courses (>3000 LEVEL)
GEOG 3####
GEOG 3####
GEOG 3####
GEOG 3####
GEOG 3####
GEOG 3####
GEOG 3####
# ENVST CONSERVATION & LAND MANAGEMENT

WITH GEOGRAPHIC INFORMATION SCIENCE (GIS) CERTIFICATE

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

**Policy Courses (Select One)**
- POLS 3390 Intro to Environmental Policy
- POLS 5532 Environmental Policy
- POLS 5510 Water Policy

**Statistics Courses (select one)**
- *COMM 3710 Intro to Quantitative Comm. Research (QI)
- CMP 4010 Research Methods In Urban Ecology (QI)
- *GEOG 3202 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 3270 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)

**Methods Courses (select one)**
- *ANTH 5234 Population Issues in Anthropology (QI, QB)
- BIOI 2355 Field Botany (2cr)
- *CMP 4450 GIS for Urban Ecologists (QI)
- *GEOG 3400 Computational & Field Methods in Applied Geology
- *GEOG 3100 Introduction to GIS & Cartography (QI) (5cr)
- *GEOG 5712 Paleoenvironmental Field Methods
- POLS 3001 Political Analysis (QI, QB)
- *PRT 3780 Program & Service Evaluation in PRT (QI, QB)
- SOC 3111 Research Methods (CW)

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**Program requirements**

C or better in the following courses:

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<th>Title</th>
<th>Credit Hours</th>
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<tr>
<td>GEOG 1180 OR</td>
<td>Introduction to Geo-Programming (S) OR</td>
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<td>COMP 1010</td>
<td>Programming for All 1 (F/S)</td>
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<td>GEOG 3100</td>
<td>Introduction to GIS and Cartography (F/S)</td>
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<td>GEOG 4140</td>
<td>Advanced Methods in GIS (F/S)</td>
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<td>GEOG 3170</td>
<td>Geospatial Field Methods: GPS and Drones <em>(Fall Break)</em></td>
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<tr>
<td>GEOG 5940 OR</td>
<td>Internship in GIS OR</td>
<td>3.0-5.0</td>
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<tr>
<td>GEOG 5150 &amp; 5161</td>
<td>Geospatial Big Data (F) AND Capstone in GIS (S)</td>
<td>4.0 &amp; 3.0</td>
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</table>

**Total Credit Hours**

18 - 22
# ENVST CONSERVATION & LAND MANAGEMENT

WITH CLIMATE CHANGE CERTIFICATE

## ENVST upper division courses

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

## Policy Courses (select one)

- POLS 3390 Intro to Environmental Policy
- POLS 5510 Water Policy

## Statistics Courses (select one)

- COMM 3710 Intro to Quantitative Comm. Research (QI)
- CMP 4010 Research Methods in Urban Ecology (QI)
- GEOS 3020 Geographic Analysis (QI, QB)
- GEOS 3050 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 (QW, SF)
- HONR 3200 Writing in a Research University (CW)
- MGT 3810 Business & Professional Communication (CW)
- WRTG 3041 Scientific Writing (CW)
- WRTG 3420 Environmental Writing (CW, HF)

## Methods Courses (select one)

- ANTH 3234 Population Issues in Anthropology (QI, QB)
- BIOL 2355 Field Botany (CSM)
- CMP 4450 GIS for Urban Ecologists (QI)
- GEOG 3490 Computational & Field Methods in Applied Geography
- GEOG 3490 Introduction to GIS & Cartography (QI, QI)
- GEOG 5712 Paleo-environmental Field Methods
- POLS 3001 Political Analysis (QI, QB)
- PRT 3790 Professional & Service Evaluation in PRT (QI, QI)
- SOC 3112 Research Methods (CW)

## To Be Completed in Your Last Year

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

## Electives (select seven courses)

- ANTH 3486 Human Ecology (BE, SF)
- ATMOS 3200/GEOS 3210 Mountain Weather & Climate
- BIOL 1650/1650 Environmental Principles of Biology II
- BIOL 2400 Principles of Wildlife Ecology & Conservation (AS)
- BIOL 3440 Intro to Plant Biology
- BIOL 3410 Ecology & Evolution
- BIOL 3430 Forest Ecology & Conservation (IR, SF)
- BIOL 3470 Conservation Biology (AS)
- BIOL 5460 Plant Ecology in a Changing World
- CHEM 2100/2150 General Chemistry I & Lab (SF)
- CMP 2010 Design Ecologies (BF)
- CMP 3100 Planning Theory & Practice
- CMP 3200 Ecology of Human Settlements
- CMP 4710 Introduction to Transportation Planning
- COMM 5160 Environmental Communication
- COMM 5165 Communicating Climate Change
- ECON 3250 Intro to Env. & Natural Resource Economics (BF)
- ECON 5250 Environmental & Natural Resource Economics
- ENGL 2050 Literature of the American West
- ENGL 2080 Studies in Environmental Literature
- ENVST/GEOS 3368 Energy Choices for the 21st Century (SF)
- ENVST/GEOS 3390 Sustainable Streams & Riparian Zones
- ENVST/SOC 3720 Environmental Health Disparities
- FCS/PSSY 3620 Environmental Psychology & Sustainability
- FCS 3680 Environments & Human Behavior
- FCS 5680 Healthy Communities
- FCS 5730 Community & Environmental Change
- GEO 1050 National Parks: Geology Behind the Scenery
- GEO 3200 Geomorphology: Mountains, Rivers, Deserts (SF)
- GEOS 2215 Climate Change Impacts, Adaptation & Mitigation
- GEOS 3350 Resource Conservation & Environ Management (BF)
- GEOS 3385 Federal Land Management
- GEOS 5205 Climate Change Foundations
- GEOS 5275 Vegetation & Climate Change

## Required Courses

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<td>The Climate System</td>
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<td>or GEOG 5200</td>
<td>Climate Change Foundations</td>
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<td>GEOG 5210</td>
<td>Global Climate Change</td>
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<td>GEOG 5215</td>
<td>Climate Change Impacts, Adaptation &amp; Mitigation</td>
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<td>ATMOS 3100</td>
<td>Atmospheric Chemistry &amp; Air Pollution</td>
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<td>ATMOS 3200</td>
<td>Mountain Weather and Climate</td>
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<td>BIOL 3440</td>
<td>Global Change Ecology</td>
<td>3</td>
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<td>BIOL 3460</td>
<td>Global Environmental Issues</td>
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<td>BIOL 5440</td>
<td>Urban Ecology</td>
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<td>BIOL 5490</td>
<td>Ecosystem Ecology</td>
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<td>COMM 5385</td>
<td>Communicating Climate Change</td>
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## 3 Elective Courses

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<td>GEO 3300</td>
<td>Water Planet</td>
<td>3</td>
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<td>GEO 5675</td>
<td>Paleoclimate Reconstruction</td>
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<td>GEO 5460</td>
<td>Popular Literature on Climate Change</td>
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<td>GEO 5410</td>
<td>Paleomagnetism</td>
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<td></td>
<td>GEO 5270</td>
<td>Biogeography: Global Patterns of Life</td>
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<td>GEO 5090</td>
<td>Medical Geography</td>
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<td>GEO 5275</td>
<td>Vegetation and Climate Change</td>
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## Certificate Total

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<td></td>
<td>18-19 credits</td>
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# ENVST Conservation & Land Management with Hazards & Emergency Management Certificate

## Course List

### Statistics Courses (select one)
- **COMM 3710** Intro to Quantitative Comm. Research (Q)
- **CMP 4010** Research Methods in Urban Ecology (Q)
- **GEOG 3020** Geographic Analysis (Q, Q8)
- **POLS 3001** 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 3270** Global Patterns of Life (CW, SF)
- **HONOR 3330** Writing in a Research University (CW)
- **MGT 3810** Business & Professional Communication (CW)
- **WRIT 3014** Scientific Writing (CW)
- **WRITG 3420** Environmental Writing (CW, HF)

### Methods Courses (select one)
- **ANTH 5334** Population Issues in Anthropology (Q, Q8)
- **BIOL 2355** Field Botany (2cr)
- **CMP 4450** GIS for Urban Ecologists (Q8)
- **GEO 3460** Computational & Field Methods in Applied Geology
- **GEOG 3100** Introduction to GIS & Cartography (Q, SC)
- **GEOG 5712** Paleoenvironmental Field Methods
- **POLI 3001** Political Analysis (Q, Q8)
- **PRT 3780** Program & Service Evaluation in PRT (Q, Q8)
- **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

## Course Requirements

### Category

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<tr>
<th>Course Prefix &amp; Number</th>
<th>Title</th>
<th>Credit Hours</th>
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<td><strong>Required</strong></td>
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<tr>
<td>GEO 1000 or GEOG 3310</td>
<td>Earth Science in the Cinema or Introduction to Natural Hazards</td>
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<tr>
<td>GEOG 3320</td>
<td>Geography of Terrorism &amp; Security</td>
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<td>GEOG 3340</td>
<td>Geography of Disasters &amp; Emergency Mgt</td>
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<td>ATMOS 1010</td>
<td>Severe and Unusual Weather</td>
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<td>FCS 3620</td>
<td>Environment Psychology &amp; Sustainability</td>
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<td>GEO 1030</td>
<td>Earthquakes and Volcanoes</td>
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<td>GEO 5170</td>
<td>Geohazards &amp; Engineering Geomorphology</td>
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<td><strong>Substantive Electives</strong> (select 2)</td>
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<tr>
<td>GEOG 5215</td>
<td>Climate Change Impacts, Adaptation &amp; Mitigation</td>
<td>3</td>
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<tr>
<td>GEOG 5230</td>
<td>Pyrogeography</td>
<td>3</td>
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<td>HEDU 2720</td>
<td>Emergency Medical Responder</td>
<td>3</td>
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<tr>
<td>PSY 3171</td>
<td>Human Factors and Ergonomics</td>
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<tr>
<td>SOC 3569</td>
<td>Terrorism, Violence and Aggression</td>
<td>3</td>
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<td><strong>Sub-Total (minimum)</strong></td>
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### Technical Electives (select 1)
- GEOG 3100 | Intro to Geographic Information Systems (GIS) and Cartography | 5 |
- GEOG 3110 | Introduction to Remote Sensing | 3 |

### Certificate Total
- 18-20 credits
ENVST CONSERVATION & LAND MANAGEMENT
WITH POLITICAL SCIENCE MINOR

Policy Courses (Select One)
POLS 3390 Intro to Environmental Policy
POLS 5322 Environmental Policy
POLS 5510 Water Policy

Statistics Courses (Select one)
*COMM 3710 Intro to Quantitative Research (QI)
*COMP 4010 Research Methods in Urban Ecology (QI)
*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, & Culture (CW)
*GEOG 3270 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)
*ANTH 5234 Population Issues in Anthropology (QI, QB)
BIOI 2335 Field Botany (QI)
*COMP 4450 GIS for Urban Ecologists (QI)
*GEOG 3400 Computational and Field Methods in Applied Geology
*GEOG 3100 Introduction to GIS & Cartography (QI) (Scr)
*GEOG 5712 Palaeoenvironmental Field Methods
POLS 5001 Political Analysis (QI, QB)
PRT 3780 Program & Service Evaluation in PRT (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

ALUMNI NEWS
*BIOL 1620/1625 Fundamental Principles of Biology
*BIOL 2400 Principles of Wildlife Ecology & Conservation
*BIOL 3340 Intro to Plant Biology
*BIOL 3410 Ecology & Evolution
*BIOL 3450 Rain Forest Ecology & Conservation
*BIOL 3470 Conservation Biology (AS)
*BIOL 5460 Plant Ecology in a Changing World
*CHEM 1210/1215 General Chemistry & Lab I (SI)
CMP 2010 Design Ecologies (HF)
*CMP 3100 Planning Theory & Practice
CMP 3200 Ecology of Human Settlements
CMP 4710 Introduction to Transportation Planning
COMM 5360 Environmental Communication
COMM 5365 Communicating Climate Change
ECON 3250 Intro to Env. & Natural Resource Econ.
*ECON 5250 Environmental & Natural Resource Econ.
ENGL 2050 Literature of the American West
ENGL 3080 Studies in Environmental Literature
ENVST/GEOG 3368 Energy Choices for the 21st Century
*ENVST/GEOG 3390 Sustainable Streams & Riparian Ecosystems
ENVST/SOC 3720 Environmental Health Disparities
FCS/PSY 3630 Environmental Psychology & Stress
FCS 5600 Environment & Human Behavior
FSC 5630 Healthy Communities
FSC 5730 Community & Environmental Change
GEOG 1060 National Parks: Geology Under the Scenic
*GEOG 3200 Geomorphology: Mountains, Rivers
GEOG 3315 Climate Change Impacts, Adaptation
GEOG 3350 Resource Conservation & Environmental Management
GEOG 3385 Federal Land Management
GEOG 3205 Climate Change Foundations
GEOG 3275 Vegetation & Climate Change
HIST 4360 US Environmental History
HIST 4855 Environmental History of India
*HONOR 3245 Global Environmental Change
PHIL 3530 Environmental Ethics (HF)
PHIL 5530 Environmental Philosophy (HF)
POLS 5540 Nonprofit Advocacy
PRT 5410 Land & Resource Recreation Planning

Complete at least 2 of the following:
POLS1100 - U.S. National Government (3)
POLS2100 - Introduction to International Relations (3)
POLS2200 - Introduction to Comparative Politics (3)
POLS2300 - Introduction to Political Theory (3)
POLS2700 - Introduction to Public Administration (3)

Earned at least 12 credits from POLS 3000 - 5999

Grand Total Credits: 18
ENVST CONSERVATION & LAND MANAGEMENT WITH ECONOMICS MINOR

REQUIRED CLASSES

Pre-requisites for ENVST upper division courses

ENVS 2000 First Year Seminar (10)
ENVS 2050 Introduction to Environmental Science (SF)
ENVS 2100 Introduction to Environmental & Sustainability Studies (BF)

ENVS upper division courses

ENVS 3210 Global Climate Change (SF)
ENVS 3364 Challenges to Global Sustainability (IR)
ENVS 3365 Environmental Justice (CV)

Policy Courses (select one)

POLS 3390 Intro to Environmental Policy
POLS 3322 Environmental Policy
POLS 5510 Water Policy

Statistics Courses (select one)

PODS 3710 Intro to Quantitative Comm. Research (QI)
PODS 4010 Research Methods in Urban Ecology (QI)
PODS 3020 Geographic Analysis (QI, QB)
PODS 5001 Quantitative Analysis in Political Science (QI, QB)

SOCI 3112 Social Statistics (QI, QB)

Writing Courses (select one)

COMM 4650 Environmental Reporting (CW)
COMM 4500 Land, Law, & Culture (CW)

GEOS 2270 Global Patterns of Life (CW, SF)

HONOR 3200 Writing A Research University (CW)

WRTG 3410 Business & Professional Communication (CW)

WRTG 3014 Scientific Writing (CW)

WRTG 3420 Environmental Writing (CW, HF)

Methods Courses (select one)

Electives (select seven courses)

ANTH 3465 Human Ecology (BF, SF)
ATMOS 3300/GEOS 3280 Mountain Weather & Climate
BIOLOG 1520/1625 Fundamental Principles of Biology II
BIOLOG 2460 Principles of Wildlife Ecology & Conservation (AS)
BIOLOG 3340 Intro to Plant Biology
BIOLOG 3410 Ecology & Evolution
BIOLOG 3450 Rain Forest Ecology & Conservation (IR, SF)
BIOLOG 3470 Conservation Biology (AS)
BIOLOG 3460 Plant Ecology in a Changing World
CHEM 3210/1215 General Chemistry & Lab I (SF)

CMP 2010 Design Ecologies (BF)

CMP 3100 Planning Theory & Practice

CMP 3200 Ecology of Human Settlements

CMP 4710 Introduction to Transportation Planning

COMM 3560 Environmental Communication

COMM 3565 Communicating Climate Change

ECON 3350 Intro to Env. & Natural Resource Economics (BF)

ECON 3520 Environmental & Natural Resource Economics

ENG 3050 Literature of the American West

ENG 3080 Studies in Environmental Literature

ENG 3080 Studies in Environmental Literature

ENVS/GEOS 3366 Energy Choices for the 21st Century (SF)

Complete the following:

ECON 2010 - Principles of Microeconomics (3)

ECON 2020 - Principles of Macroeconomics (3)

History, Theory, Thought

Complete at least 1 of the following:

ECON 4010 - Intermediate Microeconomic Analysis (3)

ECON 4020 - Intermediate Macroeconomic Analysis (3)

ECON 5050 - Keynesian Economics (3)

ECON 5060 - History of Economic Doctrines (3)

ECON 5080 - Marxist Economics (3)

ECON 5400 - Middle East Economic History (3)

ECON 5410 - Survey of European Economic History (3)

ECON 5420 - China and the Global Economy (3)

ECON 5430 - Asian Economic History and Development (3)

ECON 5440 - Latin American Economic History and Development (3)

ECON 5470 - Industrialization and Economic Development: The American Case (3)

Electives

Earned at least 9 credits from:

ECON 3000 - Econometrics (3)

ECON 3620 - Mathematics for Economists (3)

ECON 3640 - Probability and Statistical Inference for Economists (3)

ECON 3905 - Modes of Learning: Writing & Communication in Econ (1)

Grand Total Credits: 18
ENVST CONSERVATION & LAND MANAGEMENT
WITH SOCIOLOGY MINOR

Statistics Courses (select one)
*COMM 3710 Intro to Quantitative Comm. Research (Q)
*CMP 4010 Research Methods in Urban Ecology (Q)
*GEOG 3020 Geographical Analysis (Q, Q)
*POLIS 5001 Quantitative Analysis in Political Science (Q)
SOC 3112 Social Statistics (Q, Q)

Written Courses (select one)
*COMM 4650 Environmental Reporting (CW)
*CMP 4260 Land, Law, & Culture (CW)
*GEOG 3270 Global Patterns of Life (CW, SF)
*HONOR 3200 Writing in a Research University (CW)
*MGMT 3410 Business & Professional Communication (CW)
*WRTG 3014 Scientific Writing (CW)

WRTG 3420 Environmental Writing (CW, HF)

Methods Courses (select one)
*ANTH 5334 Population Issues in Anthropology (Q, Q)
*BIOL 2235 Field Botany (2cr)
*CMP 4450 GIS for Urban Ecologists (Q)
*GEOG 3400 Computational & Field Methods in Applied Geology
*GEOG 3650 Introduction to GIS & Cartography (Q) (6cr)
*GEOG 5712 Paleoenvironmental Field Methods
*POLIS 3001 Political Analysis (Q, Q)
*PRF 3780 Program & Service Evaluation In PRF (Q, Q)

SOC 3113 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

*BIOL 3450 Rain Forest Ecology & Conservation (IR, SF)
BIOL 3470 Conservation Biology (A3)
*BIOL 5460 Plant Ecology In a Changing World
*CHEM 1210/1215 General Chemistry I & Lab (SF)
*CMP 3200 Design Ecologies (BF)
*CMP 3100 Planning Theory & Practice
*CMP 4710 Ecology of Human Settlements

COMM 4200 Environmental Communication
COMM 5365 Communicating Climate Change

ECON 3200 Intro to Env. & Natural Resource Economics (BF)
*ECON 3200 Environmental & Natural Resource Economics
ENGL 2650 Literature of the American West
ENGL 3800 Studies in Environmental Literature
ENVT/GEOG 3368 Energy Choices for the 21st Century (SF)
*ENVT/GEOG 3300 Sustainable Streams & Riparian Zones

ENVT/SOC 3720 Environmental Health Disparities
FC5/PSY 3620 Environmental Psychology & Sustainability
FC5 5620 Environment & Human Behavior
FC5 5620 Healthy Communities
FC5 5720 Community & Environmental Change

GEOL 4600 National Parks: Geology Behind the Scenery
*GEOG 3200 Geomorphology: Mountains, Rivers, Deserts (SF)

GEOG 3215 Climate Change Impacts, Adaptation & Mitigation
GEOG 3350 Resource Conservation & Environment Management (BF)
GEOG 3383 Federal Land Management
GEOG 5200 Climate Change Foundations
GEOG 5275 Vegetation & Climate Change

HIST 4380 US Environmental History
HIST 4855 Environmental History of India

*HONOR 3245 Global Environmental Change
PHIL 3530 Environmental Ethics (HF)
PHIL 5530 Environmental Philosophy (HF)
POLIS 5540 Nonprofit Advocacy

PRT 5410 Land & Resource Recreation Planning
PRT 5420 Ecology & Management of Wildland Recreation Settings

PRT 5430 Recreation Issues in Human Dimensions of Wildlife

*PSY 4130 Cognition in the Wild
SOC 3480 Environmental Sociology (IR)

Complete the following:
SOC 1010 - Introduction to Sociology (3)

Complete at least 1 of the following:
SOC 3111 - Research Methods (3)
SOC 3140 - Introduction to Sociological Theory (3)

Earned at least 6 credits from SOC 3000 - 5999, excluding:
SOC 3950 - Individual Research (1 - 3)
SOC 3951 - Directed Reading (1 - 3)
ENVST CONSERVATION & LAND MANAGEMENT WITH CONSUMER & COMMUNITY STUDIES MINOR

Complete all of the following:

Consumer and Community Studies Core
Earned at least 6 credits from the following:
- FCS3600 - Introduction to Consumer and Community Policy (3)
- FCS3450 - Family Economic Issues Across the Life Course (3)
- FCS3500 - Financial Skills for Life (3)

Consumer and Community Studies Electives
Earned at least 9 credits from the following:
- FCS310 - Introduction to FCS and Career Development (2)
- FCS2180 - Family, School and Community Connections (3)
- FCS3420 - Housing Policy and Issues (3)
- FCS4340 - Family Advocacy and Policy (3)
- FCS3450 - Family Economic Issues Across the Life Course (3)
- FCS3500 - Financial Skills for Life (3)
- FCS3510 - Tax Preparation Certification & Community Engagement (3)
- FCS3650 - Environmental Psychology and Sustainability (3)
- FCS9014 - Modes of Learning: Community Engaged Learning (1)
- FCS4890 - CSBS Internship Program in Family & Consumer Studies (1 - 6)
- FCS3200 - Families and Social Policy (3)
- FCS283 - Conflict and Mediation (1)
- FCS5430 - Families, Consumers, and Health (3)
- FCS450 - Nonprofit Community Organizations (3)
- FCS5510 - Building Family Wealth: Investment and Life Insurance Planning (3)
- FCS5520 - Retirement and Benefits Planning for Families (3)
- FCS3330 - Income Tax Planning for Families (3)
- FCS5540 - Protecting Family Wealth: Insurance and Estate Planning (3)
- FCS5550 - Family Financial Planning Capstone (3)
- FCS5610 - Healthy Communities (3)
- FCS5700 - Analyzing Community Growth: An Evidence-based Approach (3)
- FCS5730 - Community and Environmental Change (3)
- FCS3800 - Optimal Human Development and Social Policy (3)
- FCS9950 - Undergraduate Research (1 - 4)
- FCS9964 - Special Topics in Consumer Studies and Family Economics (1 - 5)
<table>
<thead>
<tr>
<th>Writing Courses</th>
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<tbody>
<tr>
<td>COMM 4650 Environmental Reporting (CW)</td>
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<td>CMP 4260 Land, Law, &amp; Culture (CW)</td>
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<tr>
<td>*GEOG 2370 Global Patterns of Life (CW, SF)</td>
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<td>*HONR 3200 Writing in a Research University (CW)</td>
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<td>*MGT 3810 Business &amp; Professional Communication (CW)</td>
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<td>WRTG 3014 Scientific Writing (CW)</td>
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<td>WRTG 3420 Environmental Writing (CW, HF)</td>
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<th>Methods Courses</th>
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<tr>
<td>ANTH 5234 Population Issues in Anthropology (QI, QB)</td>
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<td>BIOL 3361 Field Botany (2cr)</td>
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<td>*CMP 4450 GIS for Urban Ecologists (QI)</td>
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<tr>
<td>GEOG 3400 Computational &amp; Field Methods in Applied Geology</td>
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<tr>
<td>*GEOG 3100 Introduction to GIS &amp; Cartography (Q6) [Sc]</td>
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<td>*GEOG 5712 Paleoenvironmental Field Methods</td>
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<td>POLS 3001 Political Analysis (QI, QB)</td>
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<td>PRTR 3780 Program &amp; Service Evaluation in PRT (QI, QB)</td>
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<tr>
<td>SOC 3111 Research Methods (CW)</td>
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</tbody>
</table>

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

| CMP 3200 Ecology of Human Settlements |  |
| CMP 4710 Introduction to Transportation Planning |  |
| COMM 5360 Environmental Communication |  |
| COMM 5365 Communicating Climate Change |  |
| ECON 3250 Intro to Env. & Natural Resource Economics |  |
| *ECON 5250 Environmental & Natural Resource Econor |  |
| ENGL 2050 Literature of the American West |  |
| ENGL 3080 Studies in Environmental Literature |  |
| ENVST/GEOG 3368 Energy Choices for the 21st Century |  |
| *ENVST/GEOG 3390 Sustainable Streams & Riparian Z |  |
| ENVST/SOC 3720 Environmental Health Disparities |  |
| FCS/PSS 3620 Environmental Psychology & Sustainability |  |
| FCS 5600 Environments & Human Behavior |  |
| FCS 5630 Healthy Communities |  |
| FCS 5730 Community & Environmental Change |  |
| GEO 1050 National Parks: Geology Behind the Scenery |  |
| *GEOG 3200 Geomorphology Mountains, Rivers, Dunes |  |
| GEOG 3215 Climate Change Impacts, Adaptation and Mitigation |  |
| GEOG 3350 Resource Conservation & Environment Management |  |
| GEOG 3385 Federal Land Management |  |
| GEOG 5205 Climate Change Foundations |  |
| GEOG 5275 Vegetation & Climate Change |  |

Complete the following:

**GEO1100 - Evolving Earth (3)**

**GEO2500 - Wasatch in the Field (3)**

**GEO2500 - National Parks: Geology Behind the Scenery (3)**

Geoscience Electives

Complete all of the following:

- Earned at least 6 credits from the following:
  - GEO1000 - Earth Science in the Cinema (3)
  - GEO1040 - The World of Dinosaurs (3)
  - **GEO1050 - National Parks: Geology Behind the Scenery (3)**
  - GEO1110 - Introduction to Earth Systems (3)
  - GEO1115 - Laboratory for Introduction to Earth Systems (1)
  - GEO2100 - Reactive Earth (3)

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

**Upper Division Geoscience Electives**

Earned at least 6 credits from **GEO 3000 - 5999**

**Grand Total Credits: 18**
REQUIRED CLASSES

Pre-requisites for ENVST upper division courses
ENVST 2000 First Year Seminar (1 cr)
ENVST 2050 Introduction to Environmental Science (SF)
ENVST 2100 Introduction to Environmental & Sustainability Studies (BF)

ENVST/GEOS 3210 Global Climate Change (SF)
*ENVST 3364 Challenges to Global Sustainability (RI)
*ENVST 3365 Environmental Justice (DV)

Statistics Courses (select one)
POLS 3390 Intro to Environmental Policy
POLS 3322 Environmental Policy
POLS 5510 Water Policy

Policy Courses (select one)
*COMM 3710 Intro to Quantitative Comm. Research (QI)
CMP 4010 Research Methods in Urban Ecology (QI)
*GEOG 3020 Geographical Analysis (QI, QB)
*POLIS 3501 Quantitative Analysis in Political Science (QI, QB)
SOC 3112 Social Statistics (QI, QB)

Writing Courses (select one)
*COMM 4650 Environmental Reporting (CW)
CMP 4260 Law, Land, & Culture (CW)
*GEOG 3270 Global Patterns of Life (CW, SF)
*HONORS 3200 Writing in a Research University (CW)
*MGMT 3810 Business & Professional Communication (CW)
*WRITG 3014 Scientific Writing (CW)

Methods Courses (select one)
*ANTH 5234 Population Issues in Anthropology (QI, QB)
BIOL 2355 Field Botany (QI)
CMP 4450 GIS for Urban Ecologists (QI)

Electives (select seven courses)
ANTH 3406 Human Ecology (BF, SF)
ATMOS 3200/GEOS 3280 Mountain Weather & Climate
*BIOL 1620/1625 Fundamental Principles of Biology
*BIOL 2400 Principles of Wildlife Ecology & Conservation
*BIOL 3340 Intro to Plant Biology
*BIOL 3410 Ecology & Evolution
*BIOL 3450 Rain Forest Ecology & Conservation (BF, SF)
BIOL 3470 Conservation Biology (SF)
*BIOL 5460 Plant Ecology In a Changing World
*CHEM 1210/1215 General Chemistry I & Lab I (SF)

Complete the following:

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

Elective Courses
Complete at least 1 of the following:

CMP 3060 - Planning Theory and Practice (3)
CMP 3101 - Honors People and Place I (3)
CMP 3150 - City in Literature (3)
CMP 3250 - Planning Process and Methods (3)
CMP 3300 - Advanced Urban Ecology (3)
CMP 3400 - Economy of Cities (3)
CMP 4020 - Field Studies in Urban Ecology II (3)
CMP 4030 - Leadership and Community Engagement (3)
CMP 4260 - Land, Law & Culture (3)

CMP 4280 - Ecological Planning Workshop (3)
CMP 4390 - Natural Science for Sustainability in Built Environments (3)
CMP 4380 - Green Communities (3)
CMP 4400 - Salt Lake City Workshop (3)
CMP 4410 - Site Planning (3)
CMP 4420 - Negotiation & Dispute Resolution (3)
CMP 4450 - GIS for Urban Ecologists (3)
CMP 4460 - Green Infrastructure (3)

CMP 4710 - Introduction to Transportation Planning (3)
CMP 4720 - Land Use and Transportation Planning (3)
CMP 4954 - Internship in Urban Ecology (3)
ENVST CONSERVATION & LAND MANAGEMENT WITH HISTORY MINOR

Writing Courses (select one)
*COMM 4650 Environmental Reporting (CW)
CMP 4260 Land, Law, & Culture (CW)
*GEOG 3270 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 5234 Population Issues in Anthropology (QI, QB)
Biol 2355 Field Botany (2cr)
*CMP 4450 GIS for Urban Ecologists (QI)
*GEOG 3400 Computational & Field Methods in Applied Geology
*GEOG 3100 Introduction to GIS & Cartography (QI, SC)
*GEOG 5712 Polevovironmental Field Methods
POLS 3001 Political Analysis (QI, QB)
*PRF 3780 Programming & Service Evaluation in PRF (QI, QII)
SOC 311 Research Methods (CW)

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

** Completed Courses & Credits **

Complete all of the following
Earned at least 6 credits from HIST 1000 - 2999

Earned at least 12 credits from HIST 3000 - 5999

Grand Total Credits: 18

CAREER OUTLOOK

Bureau of Land Management
ENVST CONSERVATION & LAND MANAGEMENT WITH LEADERSHIP STUDIES MINOR

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

Writing Courses (select one)
*COMM 4650 Environmental Reporting (CW)
*CMP 4260 Land, Law, & Culture (CW)
*GEOG 3270 Global Patterns of Life (CW, SF)
*HONOR 3200 Writing in a Research University (CW)
*MGT 3810 Business & Professional Communication (C.W)
*WRTG 3014 Scientific Writing (CW)
WRTG 3420 Environmental Writing (CW, HF)

Methods Courses (select one)
*ANTH 5234 Population Issues in Anthropology (QI, QI)
Biol 2355 Field Botany (QI)
*CMP 4450 GIS for Urban Ecologists (Q)
*GEOG 3400 Computational & Field Methods in Applied Geology
*GEOG 3100 Introduction to GIS & Cartography (QI) (5cr)
*GEOG 5712 Paleoenvironmental Field Methods
POLS 3001 Political Analysis (QI, QI)
*RPT 3700 Program & Service Evaluation in RPT (QI, QI)
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

*BIOL 3450 Rain Forest Ecology & Conservation (IR, SF)
*BIOL 3470 Conservation Biology (IR, SF)
*BIOL 5460 Plant Ecology in a Changing World
*CHEM 1210/1215 General Chemistry & Lab I (SF)
*CMP 2010 Design Ecologies (IR, SF)
*CMP 3100 Planning Theory & Practice
*CMSP 3200 Ecology of Human Settlements
*CMSP 4710 Introduction to Transportation Planning
COMM 3560 Environmental Communication
COMM 3565 Communicating Climate Change
ECON 3250 Intro to Env. & Natural Resource Economics (SF)
*ECON 3520 Environmental & Natural Resource Economics
ENGL 2050 Literature of the American West
ENGL 3000 Studies in Environmental Literature
ENVS/GEOG 3368 Energy Choices for the 21st Century (SF)
ENVST/GEOG 3390 Sustainable Streams & Riparian Zones
ENVST/SOC 3720 Environmental Health Disparities
FCS/PSY 3620 Environmental Psychology & Sustainability
FCS 5600 Environments & Human Behavior
FCS 5630 Healthy Communities
FCS 5730 Community & Environmental Change
GEOG 1050 National Parks Geology Behind the Scenery
*GEOG 3200 Geomorphology: Mountains, Rivers, Deserts (SF)
GEOG 3215 Climate Change Impacts, Adaptation and Mitigation
GEOG 3350 Resource Conservation & Environ Management (SF)
GEOG 3385 Federal Land Management
GEOG 5205 Climate Change Foundations
GEOG 5275 Vegetation & Climate Change
HIST 4380 US Environmental History
HIST 4855 Environmental History of India
*HONOR 3245 Global Environmental Change
PHIL 3530 Environmental Ethics (HF)

MINOR REQUIREMENTS - 19 CREDIT HOURS

- Introductory Course: LDRSP 2020 - 3 credit hours
- Field Experience: LDRSP 4100 - 4 credit hours
Prerequisite: LDRSP 2020
- Capstone Course: LDRSP 4750 - 3 credit hours
Prerequisite: LDRSP 2020 and LDRSP 4100
- Three elective courses - 9 credit hours

All students will take one course from each of the following elective course categories:

- Ethical and Cultural Foundations
- Group, Organizational, and Community Contexts
- Practical Skills, Instruments, and Processes

INTRODUCTORY COURSE: LDRSP 2020 - 3 CREDIT HOURS

- LDRSP 2020 Field Experience - 4 CREDIT HOURS
Prerequisite: LDRSP 2020

- LDRSP 4100 Leadership Capstone - 4 CREDIT HOURS
Prerequisite: LDRSP 2020 and LDRSP 4100

- Three elective courses - 9 CREDIT HOURS

- Ethical and Cultural Foundations
- Group, Organizational, and Community Contexts
- Practical Skills, Instruments, and Processes

CAREER OUTLOOK
Bureau of Land Management
ENVST/AIR, WATER & HEALTH
WITH GEOGRAPHY MINOR

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

Policy Courses: (select one)
POLS 3390 Intro to Environmental Policy
POLS 5322 Environmental Policy
POLS 5510 Water Policy

Statistics Courses: (select one)
*ENVS 3520 Statistical Analysis (EQ)
*ENVS 3570 Intro to Quantitative & Research (QI)

CMP 4015 Field Studies in Urban Ecology (QI)

*GEOS 3020 Geographic Analysis (QI, QB)
*POLS 5001 Quantitative Analysis in Political Science (QI)
SOC 3312 Social Statistics (QI, QB)

Writing Courses: (select one)
CMP 4260 Land, Law, and Culture (CW)

*GEOS 3380 Global Patterns of Life (CW, SF)
*HONRS 3200 Writing A Research University (CW)
*MGT 3810 Business and Professional Communication (CW)
*WRIT 3601 Scientific Writing (CW)

WRIT 3420 Environmental Writing (CW, HF)
WRIT 4905 Studies in Professional Discourses (CW)

Geography MINOR

Required Courses
GEOG 1000 SF (3)
GEOG 1400 BF (3)
GEOG 3100 QI (5)

Elective Courses (>3000 LEVEL)
GEOG 3100
GEOG 3100
GEOG 3100

Electives: (select seven courses)
ATMOS 3488 Human Ecology (BF, SF)
ATMOS 3500 Prf. Development in the Atmos. Sciences (1.5cr)
*ATMOS 3500 Atmospheric Chemistry & Air Pollution (IR)
*ATMOS 3500 Intro to Atmospheric Science (QI)

ATMOS 3500/GEOS 3520 Mountain Weather & Climate
*CHEM 1210/1215 General Chemistry I & Lab (SF)
*CMP 3200 Ecology of Human Settlements

CMP 4710 Intro to Transportation Planning

COMM 3115 Communicating Health, Science, Environment
COMM 3360 Environmental Communication
COMM 3366 Communicating Climate Change

ECN 3190 Health Economics

ECO 3250 Intro to Environmental & Natural Resource Economics (BF)

*ECON 5250 Environmental & Natural Resource Economics
ENGL 5060 Environmental Literature

*ENVS/GEOS 3390 Sustainable Streams & Riparian Zones

ENVS/GEOS 3361 Energy Choices for the 21st Century (SF)

ENVS/SOC 3720 Environmental Health & Disparities

FCS/PSY 3620 Environmental Psych. & Sustainability

FCS 5630 Healthy Communities

FCS 5710 Community & Environmental Change

GEOS 3300 The Water Planet (SF)

GEOS 3800 The Oceans (SF)

*GEOS 5350 Groundwater

*GEOS 5470 Stable Isotope Biochemistry & Ecology

*GEOS 3320 Geomorphology: Mountains, Rivers, Deserts (SF)

GEOS 3315 Climate Change Impact, Adaptation & Mitigation

GEOS 3330 Urban Environmental Geography (SF)

GEOS 3385 Federal Land Management

GEOS 5205 Regional & Global Climates

GEOS 5275 Vegetation & Climate Change

HIST 4380 US Environmental History

HIST 4860 Environmental History of China

*HONRS 3245 Environmental Change

*MATL 3310 Geology (IR)
ENVST AIR, WATER & HEALTH
WITH GEOGRAPHIC INFORMATION SCIENCE (GIS) CERTIFICATE

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, Q8)
- 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 3/5270 Global Patterns of Life (CW, SF)
- HONOR 3200 Writing in a Research University (CW)
- MGT 3810 Business & Professional Communication (CW)
- WRTG 3014 Scientific Writing (CW)
- WRTG 3420 Environmental Writing (CW, HF)
- WRTG 4905 Studies in Professional Discourses (CW)

Methods Courses (select one)
- ATMOS 5050 Environmental Instrumentation (2 cr)
- CMP 4450 GIS for Urban Ecologists (QI)
- GEOG 3100 Introduction to GIS & Cartography (QI, 3 Cr)
- POLS 3001 Political Analysis (QI, Q8)
- SOC 3111 Research Methods (CW)

Program requirements

C or better in the following courses:

<table>
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<tr>
<th>Course Number</th>
<th>Title</th>
<th>Credit Hours</th>
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<td>GEOG 1130 OR</td>
<td>Introduction to Geo-Programming (S) OR</td>
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<td>COMP 1010</td>
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<td>GEOG 3100</td>
<td>Introduction to GIS and Cartography (F/S)</td>
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<td>GEOG 4140</td>
<td>Advanced Methods in GIS (F/S)</td>
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<td>GEOG 5170</td>
<td>Geospatial Field Methods: GPS and Drones</td>
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<td>GEOG 5940 OR</td>
<td>Internship in GIS OR</td>
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<td>GEOG 5150&amp;5161</td>
<td>Geospatial Big Data (F) AND Capstone in GIS (S)</td>
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Total Credit Hours 18-22
# ENVST AIR, WATER & HEALTH

**WITH CLIMATE CHANGE CERTIFICATE**

## REQUIRED CLASSES

**Pre-requisites for ENVST upper division courses**

- ENVST 2000 First Year Seminar (1 credit)
- ENVST 2050 Introduction to Environmental Science (3 credits)
- ENVST 2100 Introduction to Environmental & Sustainability Studies (3 credits)
- ENVST upper division courses
- ENVST/GEOL 3210 Global Climate Change (3 credits)
- ENVST 3364 Challenges to Global Sustainability (4 credits)
- ENVST 3585 Environmental Justice (4 credits)

**Policy Courses** (select one)
- POLS 3390 Intro to Environmental Policy
- POLS 5352 Water Policy

**Statistics Courses** (select one)
- ATMOS 3450 Environmental Statistics (3 credits)
- CMP 3710 Intro to Quantitative Comm. Research (CQ)
- CMP 4010 Field Studies in Urban Ecology (Q)
- GEOL 3020 Geographic Analysis (Q, CR)
- POLS 5001 Quantitative Analysis in Political Science (Q)
- SOC 3112 Social Statistics (Q, CR)

**Writing Courses** (select one)
- COMM 4650 Environmental Reporting (CQ)
- CMP 4520 Land, Law & Culture (CQ)
- GEOL 3520 Global Patterns of Life (CQ, CR)
- HONOR 3200 Writing in a Research University (CQ)
- NGT 3810 Business & Professional Communication (CQ)
- WRTTG 3014 Scientific Writing (CQ)
- WRTTG 4320 Environmental Writing (CQ, CR)
- WRTTG 4900 Studies in Professional Discourses (CQ)

**Methods Courses** (select one)
- ATMOS 5650 Environmental Instrumentation (2 credits)
- CMP 4450 GIS for Urban Ecologists (Q)
- GEOL 3100 Introduction to GIS & Cartography (Q/5 cr)
- POLS 3001 Political Analysis (Q, CR)
- SOC 3111 Research Methods (CQ)

**Electives** (select seven courses)
- ATMOS 3466 Human Ecology (3 credits)
- ATMOS 3500 Prof. Development in the Atmos. Sciences (1.5 credits)
- ATMOS 3510 Atmospheric Chemistry & Air Pollution (CQ)
- ATMOS 3500 Intro to Atmospheric Science (CQ)
- ATMOS 3200/GEOL 3280 Mountain Weather & Climate (3 credits)
- CHEM 1210/1215 General Chemistry & Lab (5 credits)
- CMP 3200 Ecology of Human Settlements (Q)
- CMP 4710 Intro to Transportation Planning (CQ)
- COMM 3115 Communicating Health, Science, Environment (Q)
- COMM 5500 Environmental Communication (Q)
- COMM 5515 Communicating Climate Change (Q)
- ECON 3190 Health Economics (Q)
- ECON 3250 Intro to Environmental & Natural Resource Economics (Q)
- ENGL 3580 Environmental Literature (Q)
- ENVST/GEOL 3590 Sustainable Streams & Riparian Zones (Q)
- ENVST/GEOL 3366 Energy Choices for the 21st Century (Q)
- ENVST/SOC 3270 Environmental Health & Disparities (Q)
- FCYS/PSY 3620 Environmental Psych. & Sustainability (Q)
- FCYS 5630 Healthy Communities (Q)
- FCYS 5730 Community & Environmental Change (Q)
- GEOL 3300 The Water Planet (Q)
- GEOL 3800 The Oceans (Q)
- GEOG 3300 Groundwater (Q)
- GEOG 4470 Stable Isotope Geochemistry & Ecology (Q)
- GEOL 3215 Geomorphology: Mountains, Rivers, Deserts (Q)
- GEOL 3215 Climate Change Impact, Adaptation & Mitigation (Q)
- GEOL 3330 Urban Environmental Geography (Q)
- GEOL 3385 Federal Land Management (Q)
- GEOL 5205 Regional & Global Climates (Q)
- GEOL 5275 Vegetation & Climate Change (Q)
- HIST 4380 US Environmental History (Q)

## 3 Elective Courses:

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<td>Global Climate Change</td>
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<td>Climate Change Impacts, Adaptation &amp; Mitigation</td>
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<td>GEOG 5675</td>
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<td>Paleoclimatology</td>
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<td>GEOG 5270</td>
<td>Biogeography: Global Patterns of Life</td>
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*ENVST 4000 Environmental & Sustainability Studies Internship
*ENVST 5559 Capstone: Air, Water & Health
ENVST AIR, WATER & HEALTH
WITH HAZARDS & EMERGENCY MANAGEMENT CERTIFICATE

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<td>GEO 1000</td>
<td>Earth Science in the Cinema or Introduction to Natural Hazards</td>
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<td>GEO 1030</td>
<td>Earthquakes and Volcanoes</td>
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<td>GEO 5170</td>
<td>GeoHazards &amp; Engineering Geomorphology</td>
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Complete at least 2 of the following:

- POLS1100 - U.S. National Government (3)
- POLS2100 - Introduction to International Relations (3)
- POLS2200 - Introduction to Comparative Politics (3)
- POLS2300 - Introduction to Political Theory (3)
- POLS2700 - Introduction to Public Administration (3)

Earned at least 12 credits from POLS 3000 - 5999

Grand Total Credits: 18
REQUIRED CLASSES

Pre-requisites for ENVST upper division courses:
- ENVST 2000 First Year Seminar (1 cr)
- ENVST 2050 Introduction to Environmental Science (SF)
- ENVST 2100 Introduction to Environmental & Sustainability Studies (SF)

ENVST upper division courses:
- ENVST 3361 Global Climate Change (SF)
- ENVST 3362 Challenges to Global Sustainability (IR)
- ENVST 3365 Environmental Justice (DV)

Policy Courses: Select One:
- POLS 3390 Intro to Environmental Policy
- POLS 5322 Environmental Policy
- POLS 5510 Water Policy

Statistics Courses: Select One:
- ATOMS 5090 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, QD)

Writing Courses: Select One:
- COMM 4650 Environmental Reporting (CW)
- CMP 4260 Land, Law, & Culture (CW)
- GEOG 3/5270 Global Patterns of Life (C, W, SF)
- HENGR 3300 Writing a Research University (CW)

Electives: Select seven courses:
- ATOMS 3486 Human Ecology (IF, SF)
- ATOMS 3500 Prof. Development in the Atmos. Sciences (1.5 cr)
- ATOMS 3500 Atmospheric Chemistry & Air Pollution (IF)
- ATOMS 5500 Intro to Atmospheric Science (QI)
- ATOMS 3200/5270 Mountain Weather & Climate
- CHEM 1110/1115 General Chemistry & Lab I (SF)
- CMP 1200 Ecology of Human Settlements
- CMP 4710 Intro to Transportation Planning
- COMM 3112 Communicating Health, Science, Environment
- COMM 5360 Environmental Communication
- COMM 5365 Communicating Climate Change
- ECON 3190 Health Economics
- ECON 3250 Intro to Environmental & Natural Resource Economics (IF)
- ECON 3290 Environmental & Natural Resource Economics
- ECON 3290/5290 Sustainable Streams & Riparian Zones
- ENVST/GEOS 3368 Energy Choices for the 21st Century (SF)

Electives: Earned at least 9 credits from ECON 3000 - 5999, excluding:
- ECON 3620 - Mathematics for Economists (3)
- ECON 3640 - Probability and Statistical Inference for Economists (3)
- ECON 3905 - Modes of Learning: Writing & Communication in Econ (1)

Grand Total Credits: 18
ENVST AIR, WATER & HEALTH
WITH SOCIOLOGY MINOR

Statistics Courses (select one)
*ATMOS 5040 Environmental Statistics (Q)
*COMM 3710 Intro to Quantitative Comm. Research (Q)
*GMP 4010 Field Studies in Urban Ecology (Q)
*GEOG 3020 Geographic Analysis (Q, QI)
*POLS 3091 Quantitative Analysis in Political Science (Q)
SOC 3112 Social Statistics (Q, QR)

Writing Courses (select one)
*COMM 4650 Environmental Reporting (CW)
*GMP 4200 Land, Law, & Culture (CW)
*GEOG 35270 Global Patterns of Life (CW, SF)
*HONOR 3200 Writing in a Research University (CW)
*MGT 3180 Business & Professional Communication (CW)
*WRTG 3014 Scientific Writing (CW)
WRTG 3420 Environmental Writing (CW, HD)
WRTG 4900 Studies in Professional Discourses (CW)

Methods Courses (select one)
ATMOS 5050 Environmental Instrumentation (2 cr)
*GMP 4550 GIS for Urban Ecologists (Q)
*GEOG 3100 Introduction to GIS & Cartography (Q)(Oct)
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 3559 Capstone: Air, Water & Health

*CHEM 1210/1215 General Chemistry & Lab I (SF)
*CMP 3200 Ecology of Human Settlements
*GMP 4710 Intro to Transportation Planning
COMM 3115 Communicating Health, Science, Environment
COMM 5360 Environmental Communication
COMM 5366 Communicating Climate Change
ECON 3190 Health Economics
ECON 3250 Intro to Environmental & Natural Resource Economics
ECON 5250 Environmental & Natural Resource Economics
ENGL 3000 Environmental Literature
*ENVST/GEOG 3390 Sustainable Streams & Riparian Zones
ENVST/GEOG 3368 Energy Choices for the 21st Century (SF)
ENVST/SCI 3720 Environmental Health & Disparities
FCS/PSY 3620 Environmental Psych. & Sustainability
FCS 5630 Healthy Communities
FCS 5730 Community Environmental Change
GEO 3500 The Water Planet (SF)
GEO 3500 The Oceans (SF)
*GEO 3550 Groundwater
*GEO 5470 Stable Isotope Biochemistry & Ecology
*GEOG 3200 Geomorphology: Mountains, Rivers, Deserts (SF)
GEOG 3215 Climate Change Impact, Adaptation & Mitigation
GEOG 3330 Urban Environmental Geography (SF)
GEOG 3365 Federal Land Management
GEOG 5205 Regional & Global Climates
GEOG 5275 Vegetation & Climate Change
HIST 4380 US Environmental History
HIST 4860 Environmental History of China
*HONOR 3245 Environmental Change
*MATH 1210 Calculus I (CR)
PHIL 3310 Science & Society (HF)
PHIL 3530 Environmental Ethics (HF)
PHIL 5530 Environmental Philosophy (HF)
*PHYS 2010/2015 General Physics & Lab I (GF)
*PHYS 2210/2215 Physics for Scientists & Engineers & Lab I (GF)
POLS 3321 Health Policy
POLS 5540 Nonprofit Advocacy
SOC 3480 Environmental Sociology (RF)

Complete the following:
SOC1010 - Introduction to Sociology (3)

Complete at least 1 of the following:
SOC3111 - Research Methods (3)
SOC3140 - Introduction to Sociological Theory (3)

Earned at least 6 credits from SOC 3000 - 5999, excluding:
SOC3950 - Individual Research (1 - 3)
SOC3951 - Directed Reading (1 - 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
ENVST AIR, WATER & HEALTH
WITH CONSUMER & COMMUNITY STUDIES
MINOR

Electives (select seven courses)
ATMOS 3496 Human Ecology (BF; SF)
ATMOS 3000 Prof. Development in the Atmos. Sciences (1.5 cr)
*ATMOS 3100 Atmospheric Chemistry & Air Pollution (IR)
*ATMOS 5000 Intro to Atmospheric Science (OI)
ATMOS 3200/GEOG 3280 Mountain Weather & Climate
*CHEM 1210/1215 General Chemistry & Lab I (SF)
*CMP 3200 Ecology of Human Settlements
CMP 4710 Intro to Transportation Planning
COMM 3115 Communicating Health, Science, Environment
COMM 3560 Environmental Communication
COMM 5365 Communicating Climate Change
ECON 3190 Health Economics
ECON 3250 Intro to Environmental & Natural Resource Economics (BF)
*ECON 5250 Environmental & Natural Resource Economics
ENGL 5080 Environmental Literature
*ENVST/GEOG 3390 Sustainable Streams & Riparian Zones
ENVST/GEOG 3368 Energy Choices for the 21st Century (SF)
ENVST/SOC 3720 Environmental Health & Disparities
FCS/PSY 3620 Environmental Psych. & Sustainability
FCS 5630 Healthy Communities
FCS 5730 Community & Environmental Change
GEO 3300 The Water Planet (SF)

Complete all of the following
Consumer and Community Studies Core
Earned at least 6 credits from the following:
  FCS3600 - Introduction to Consumer and Community Policy (3)
  FCS3450 - Family Economic Issues Across the Life Course (3)
  FCS3500 - Financial Skills for Life (3)

Consumer and Community Studies Electives
Earned at least 9 credits from the following:
  FCS3010 - Introduction to FCS and Career Development (2)
  FCS280 - Family, School and Community Connections (3)
  FCS3420 - Housing Policy and Issues (3)
  FCS3430 - Family Advocacy and Policy (1)
  FCS3450 - Family Economic Issues Across the Life Course (3)
  FCS3500 - Financial Skills for Life (3)
  FCS3510 - Tax Preparation Certification & Community Engagement (3)
  FCS3620 - Environmental Psychology and Sustainability (3)
  FCS3904 - Modes of Learning: Community Engaged Learning (1)
  FCS4890 - CSBS Internship Program in Family & Consumer Studies (1 - 6)
  FCS5200 - Families and Social Policy (3)
  FCS2828 - Conflict and Mediation (3)
  FCS4130 - Families, Consumers, and Health (3)
  FCS4540 - Nonprofit Community Organizations (3)
  FCS5100 - Building Family Wealth: Investment and Life Insurance Planning (3)
  FCS5220 - Retirement and Benefits Planning for Families (3)
  FCS5300 - Income Tax Planning for Families (3)
  FCS5400 - Protecting Family Wealth: Insurance and Estate Planning (3)
  FCS5550 - Family Financial Planning Capstone (3)
  FCS6340 - Healthy Communities (3)
  FCS7000 - Analyzing Community Growth: An Evidence-based Approach (3)
  FCS7346 - Community and Environmental Change (3)
  FCS8800 - Optimal Human Development and Social Policy (3)
  FCS9500 - Undergraduate Research (1 - 4)
  FCS9564 - Special Topics in Consumer Studies and Family Economics (1 - 5)
REQUIRED CLASSES

Pre-requisites for ENVST upper division courses
ENVST 2000 First Year Seminar (1 cr)
ENVST 2050 Introduction to Environmental Science (SF)
ENVST 2100 Introduction to Environmental & Sustainability Studies (BF)

ENVST upper division courses
ENVST/GEOG 3210 Global Climate Change (SF)
*ENVST 3364 Challenges to Global Sustainability (R)
*ENVST 3365 Environmental Justice (DV)

Policy Courses (select one)
POLS 3590 Intro to Environmental Policy
POLS 5522 Environmental Policy
POLS 5510 Water Policy

Statistics Courses (select one)
*ATMOS 3040 Environmental Statistics (Q)
*COMM 3710 Intro to Quantitative Comm. Research (Q)
CMP 4010 Field Studies in Urban Ecology (Q)
*GEOG 3020 Geographic Analysis (Q1, Q2)
*POLS 5001 Quantitative Analysis in Political Science (Q1)
SOC 3112 Social Statistics (Q1, Q2)

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)
*MGT 3810 Business & Professional Communication (CW)
*WRTG 3014 Scientific Writing (CW)
WRTG 3420 Environmental Writing (CW, HF)
WRTG 4905 Studies in Professional Discourses (CW)

Methods Courses (select one)
ATMOS 5050 Environmental Instrumentation (2 cr)
*CMP 4450 GIS for Urban Ecologists (Q)
*GEOG 3100 Introduction to GIS & Cartography (Q) (5 cr)
POLS 3001 Political Analysis (Q1, Q2)
SOC 3111 Research Methods (CW)

Electives (select seven courses)
ATMOS 3406 Human Ecology (EF, SF)
ATMOS 3500 Prof. Development in the Atmos. Sciences (1.5 cr)
*ATMOS 3100 Atmospheric Chemistry & Air Pollution (R)
*ATMOS 3000 Intro to Atmospheric Science (Q)
ATMOS 3200/GEOG 3280 Mountain Weather & Climate
*CHEM 1210/1215 General Chemistry & Lab (SF)
*CMP 3200 Ecology of Human Settlements
CMP 4710 Intro to Transportation Planning
COMM 3115 Communicating Health, Science, Environment
COMM 3360 Environmental Communication
COMM 3365 Communicating Climate Change
ECON 3190 Health Economics
ECON 3250 Intro to Environmental & Natural Resource Economics (EM)
*ECON 5250 Environmental & Natural Resource Economics
ENGL 5080 Environmental Literature
*ENVST/GEOG 3390 Sustainable Streams & Riparian Zones
ENVST/GEOG 3360 Energy Choices for the 21st Century (SF)
ENVST/SOC 3720 Environmental Health & Disparities
FCS/PSY 3620 Environmental Psych. & Sustainability
FCS 5630 Healthy Communities
FCS 5730 Community & Environmental Change
GEO 3300 The Water Planet (SF)
GEO 3800 The Oceans (SF)
*GEO 5350 Groundwater
*GEO 5470 Stable Isotope Biochemistry & Ecology
*GEOG 3200 Geomorphology: Mountains, Rivers, Deserts (SF)
GEOG 3215 Climate Change Impact, Adaptation & Mitigation
GEOG 3330 Urban Environmental Geography (SF)

Required Courses

18 Total Credits

Earned at least 18 credits from ATMOS

Grand Total Credits: 18
ENVST AIR, WATER & HEALTH
WITH EARTH SCIENCE MINOR

**Electives** (select seven courses)
ATMOS 3486 - Human Ecology (BF, SF)
ATMOS 3000 - Prof. Development in the Atmos. Sciences (1.5cr)
*ATMOS 3100 - Atmospheric Chemistry & Air Pollution (R)
*ATMOS 5000 - Intro to Atmospheric Science (Q)
ATMOS 3200/GEOG 3280 - Mountain Weather & Climate
*CHEM 1210/1215 - General Chemistry & Lab I (SF)
*CMP 3200 - Ecology of Human Settlements
CMP 4710 - Intro to Transportation Planning
COMM 3115 - Communicating Health, Science, Environment
COMM 5360 - Environmental Communication
COMM 5365 - Communicating Climate Change
ECON 3190 - Health Economics
ECON 3250 - Intro to Environmental & Natural Resource Economics (BF)
*ECON 5250 - Environmental & Natural Resource Economics
ENGL 5080 - Environmental Literature
*ENVST/GEOG 3390 - Sustainable Streams & Riparian Zones
ENVST/GEOG 3368 - Energy Choices for the 21st Century (SF)
ENVST/SOC 3720 - Environmental Health & Disparities
FCS/PSY 3620 - Environmental Psych. & Sustainability
FCS 5630 - Healthy Communities
FCS 5730 - Community & Environmental Change
GEO 3300 - The Water Planet (SF)
GEO 3800 - The Oceans (SF)
*GEO 5350 - Groundwater
*GEO 5470 - Stable Isotope Biochemistry & Ecology

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**GEO1100 - Evolving Earth** (3)
**GEO2500 - Wasatch in the Field** (3)

**Geoscience Electives**
Complete all of the following:
Earned at least 6 credits from the following:
- GEO1000 - Earth Science in the Cinema (3)
- GEO1040 - The World of Dinosaurs (3)
- GEO1050 - National Parks: Geology Behind the Scenery (3)
- GEO1110 - Introduction to Earth Systems (3)
- GEO1115 - Laboratory for Introduction to Earth Systems (1)
- GEO2100 - Reactive Earth (3)

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

**Upper Division Geoscience Electives**
Earned at least 6 credits from GEO 3000 - 5999

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**Grand Total Credits: 18**
ENVST AIR, WATER & HEALTH
WITH URBAN ECOLOGY MINOR

### Policy Courses (Select One)
- POLS 3390 Intro to Environmental Policy
- POLS 5322 Environmental Policy
- POLS 5510 Water 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, QB)
- *POLS 5501 Quantitative Analysis in Political Science (Q)
- *SOC 3112 Social Statistics (Q, QB)

### Writing Courses (select one)
- *COMM 4450 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 4320 Environmental Writing (CW, HF)
- WRTG 4905 Studies in Professional Discourses (CW)

### Methods Courses (select one)
- ATMOS 5050 Environmental Instrumentation (2 cr)
- *GEOG 4450 GIS for Urban Ecologists (Q, QB)
- *GEOG 3100 Introduction to GIS & Cartography (Q)(5cr)
- POLS 3601 Political Analysis (Q, QB)
- *SOC 3111 Research Methods (CW)

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<td>ATMOS 5600</td>
<td>Intro to Atmospheric Science (Q)</td>
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<td>ATMOS 3320/GEOL 3320</td>
<td>Mountain Weather &amp; Climate</td>
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<td>General Chemistry &amp; Lab (SF)</td>
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<td>*CMP 3200</td>
<td>Ecology of Human Settlements</td>
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<tr>
<td>CMP 4710</td>
<td>Intro to Transportation Planning</td>
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<tr>
<td>COMM 3115</td>
<td>Communicating Health, Science, Environment</td>
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<td>COMM 5360</td>
<td>Environmental Communication</td>
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<td>COMM 5365</td>
<td>Communicating Climate Change</td>
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<td>ECON 3190</td>
<td>Health Economics</td>
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<td>ECON 3250</td>
<td>Intro to Environmental &amp; Natural Resource Economics (BF)</td>
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<tr>
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<td>*ENVST/GEOL 3390</td>
<td>Sustainable Streams &amp; Riparian Zones</td>
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<td>ENVT/ENVST/GEOL 3368</td>
<td>Energy Choices for the 21st Century (SF)</td>
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<td>ENSST/SOC 3720</td>
<td>Environmental Health &amp; Disparities</td>
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<td>FCS/PSY 3620</td>
<td>Environmental Psych. &amp; Sustainability</td>
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<td>FCS 5630</td>
<td>Healthy Communities</td>
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<tr>
<td>FCS 5730</td>
<td>Community &amp; Environmental Change</td>
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<tr>
<td>GEO 3300</td>
<td>The Water Planet (SF)</td>
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<tr>
<td>GEO 3800</td>
<td>The Oceans (SF)</td>
</tr>
<tr>
<td>*GEO 5350</td>
<td>Groundwater</td>
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<tr>
<td>*GEO 5470</td>
<td>Stable Isotope Geochemistry &amp; Ecology</td>
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<td>*GEOG 3200</td>
<td>Geomorphology: Mountains, Rivers, Deserts (SF)</td>
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<tr>
<td>GEOG 3215</td>
<td>Climate Change Impact, Adaptation &amp; Mitigation</td>
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<tr>
<td>GEOG 3330</td>
<td>Urban Environmental Geography (SF)</td>
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</table>

### Complete the following:
- CMP2010 - Design Ecologies (3)
- CMP2200 - Ecology of Human Settlements (3)
- CMP4010 - Field Studies in Urban Ecology I (3)
- CMP4600 - The Just City (3)
- DES2630 - Design Contexts (3)

### Elective Courses
Complete at least 1 of the following:
- CMP3100 - Planning Theory and Practice (3)
- CMP3101 - Honors People and Place I (3)
- CMP3150 - City in Literature (3)
- CMP3250 - Planning Process and Methods (3)
- CMP3300 - Advanced Urban Ecology (3)
- CMP3400 - Economy of Cities (3)
- CMP4020 - Field Studies in Urban Ecology II (3)
- CMP4030 - Leadership and Community Engagement (3)
- CMP4260 - Land, Law, & Culture (3)
- CMP4280 - Ecological Planning Workshop (3)
- CMP4390 - Natural Science for Sustainability in Built Environments (3)
- CMP4380 - Green Communities (3)
- CMP4400 - Salt Lake City Workshop (3)
- CMP4410 - Site Planning (3)
- CMP4410 - Negotiation & Dispute Resolution (3)
- CMP4450 - GIS for Urban Ecologists (3)
- CMP4460 - Green Infrastructure (3)
- CMP4510 - Introduction to Transportation Planning (3)
- CMP4720 - Land Use and Transportation Planning (3)
- CMP4954 - Internship in Urban Ecology (3)
ENVST AIR, WATER & HEALTH
WITH HISTORY MINOR

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

Methods Courses (select one)
ATMOS 5050 Environmental Instrumentation (2 cr)
*CMP 4450 GIS for Urban Ecologists (Q)
*GEOG 3100 Introduction to GIS & Cartography (QI)(3cr)
POLS 3001 Political Analysis (QI, QB)
SOC 3111 Research Methods (CW)

To Be Completed in Your Last Year
*ENVST 4800 Environmental & Sustainability Studies Internship
*ENVST 5559 Capstone: Air, Water & Health

CAREER OUTLOOK

ECON 3250 Intro to Environmental & Natural Resource Economics (BP)
*ECON 5250 Environmental & Natural Resource Economics
ENGL 5080 Environmental Literature
*ENVST/GEOG 3390 Sustainable Streams & Riparian Zones
ENVST/GEOG 3368 Energy Choices for the 21st Century (SF)
ENVST/SOC 3720 Environmental Health & Disparities
FC/PSY 3620 Environmental Psych. & Sustainability
FCS 5630 Healthy Communities
FCS 5730 Community & Environmental Change
GEO 3300 The Water Planet (SF)
GEO 3800 The Oceans (SF)
*GEO 5350 Groundwater
*GEO 5470 Stable Isotope Biogeochemistry & Ecology
*GEOG 3260 Geomorphology: Mountains, Rivers, Deserts (SF)
GEOG 3215 Climate Change Impact, Adaptation & Mitigation
GEOG 3330 Urban Environmental Geography (SF)
GEOG 3385 Federal Land Management
GEOG 5205 Regional & Global Climates
GEOG 5275 Vegetation & Climate Change
HIST 4380 US Environmental History
HIST 4660 Environmental History of China
*HONOR 3245 Environmental Change
*MATH 1210 Calculus I (QR)
PHIL 3310 Science & Society (HF)
PHIL 3533 Environmental Ethics (HF)

Grand Total Credits: 18

Earned at least 6 credits from HIST 1000 - 2999
Earned at least 12 credits from HIST 3000 - 5999
ENVST AIR, WATER & HEALTH

WITH LEADERSHIP STUDIES MINOR

**Writing Courses (select one)**
*COMM 4650 Environmental Reporting (CW)
CMPP 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)
*WRIT 3014 Scientific Writing (CW)
WRITG 3420 Environmental Writing (CW, HF)
WRITG 4905 Studies in Professional Discourses (CW)

**Methods Courses (select one)**
ATMOS 5050 Environmental Instrumentation (2 cr)
*CMP 4450 GIS for Urban Ecologists (Q1)
*GEOG 3100 Introduction to GIS & Cartography (Q1, 5cr)
POLS 3001 Political Analysis (Q1, CR)
SOC 3111 Research Methods (CW)

To be Completed in Your Last Year
*ENVST 4800 Environmental & Sustainability Studies Internship
*ENVST 5559 Capstone: Air, Water & Health

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

**MINOR REQUIREMENTS - 19 CREDIT HOURS**
- Introductory Course: LDRSP 2020 - 3 credit hours
- Field Experience: LDRSP 4100 - 4 credit hours
Prerequisite: LDRSP 2020
- Capstone Course: LDRSP 4750 - 3 credit hours
Prerequisite: LDRSP 2020 and LDRSP 4100
- Three elective courses - 9 credit hours

All students will take one course from each of the following elective course categories:

- **Ethical and Cultural Foundations**
- **Group, Organizational, and Community Contexts**
- **Practical Skills, Instruments, and Processes**

**ECON 3250 Intro to Environmental & Natural Resource Economics**
**ECON 5250 Environmental & Natural Resource Economics**
**ENGL 5080 Environmental Literature**
**ENVST/GEOG 3360 Sustainable Streams & Riparian Zones**
**ENVST/GEOG 336B Energy Choices for the 21st Century (SF)**
**ENVST/SOC 3720 Environmental Health & Disparities**
**FCS/PSY 3620 Environmental Psych. & Sustainability**
**FCS 5630 Healthy Communities**
**FCS 5730 Community & Environmental Change**
**GEO 3300 The Water Planet (SF)**
**GEO 3800 The Oceans (SF)**
**GEO 5350 Groundwater**
**GEO 5470 Stable Isotope Biochemistry & Ecology**
**GEOG 3200 Geomorphology: Mountains, Rivers, Deserts (SF)**
**GEOG 3215 Climate Change Impact, Adaptation & Mitigation**
**GEOG 3330 Urban Environmental Geography (SF)**
**GEOG 3385 Federal Land Management**
**GEOG 5205 Regional & Global Climates**
**GEOG 5275 Vegetation & Climate Change**
**HIST 4380 US Environmental History**
**HIST 4860 Environmental History of China**
**HONOR 3245 Environmental Change**
**MATH 1210 Calculus I (OR)**
**PHIL 3310 Science & Society (HF)**
**PHIL 3530 Environmental Ethics (HF)**
**PHIL 5530 Environmental Philosophy (HF)**
**PHYS 2010/2015 General Physics & Lab I (SF)**
**PHYS 2210/2215 Physics for Scientists & Engineers & Lab I (SF)**
ENVST FOOD SYSTEMS & COMMUNITY

REQUIRED CLASSES

Pre-requisites for ENVST upper division courses
ENVST 2000 First Year Seminar (1cr)
ENVST 2050 Introduction to Environmental Science (SF)
ENVST 2100 Introduction to Environmental & Sustainability Studies (BF)

ENVST upper division courses

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

Policy Courses
(Pick one)
POLS 3390 Intro to Environmental Policy
POLS 5322 Environmental Policy
POLS 5510 Water Policy

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

Writing Courses
(Pick one)
*COMM 4650 Environmental Reporting (CW)
CMP 4260 Land, Law, and Culture (CW)
*GEOS 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, HF)

Methods Courses
(Pick one)
*ANTH 5234 Population Issues in Anthropology (QI, QB)
BIOL 2355 Field Botany (2cr)
*CMP 4450 GIS for Urban Ecologists (QI)

Electives
(select seven courses)
ANTH 3486 Human Ecology (BF, SF)
ANTH 5340 Paleoenvironmental
*BIOI 1620/1625 Fundamental Principles of
*BIOI 3340 Intro to Plant Biology (AS)
*BIOI 3410 Ecology & Evolution
*BIOI 3450 Rainforest Ecology & Conservation
BIOI 3470 Conservation Biology (AS)
*BIOI 3460 Plant Ecology in a Changing World
CHEM 1020 The Science of Food & Cooking
*CHEM 1210/1215 General Chemistry & Lab
CMP 2010 Design Ecologies (BF)
*CMP 3280 Ecology of Human Settlements
COMM 5360 Environmental Communication
COMM 5365 Communicating Climate Change
ECON 3250 Intro to Environmental & Natural
ENGL 5080 Environmental Literature
*ENVST/GEOG 3390 Sustainable Streams &
ENVST/SOC 3720 Environmental Health
ENVST/GEOG 3368 Energy Choices for 21st C
FCS/PSY 3620 Psychological Environment &
FCS 5450 Nonprofit Community Organization
FCS 5630 Healthy Communities
FCS 5730 Community & Environmental Chan
GEOG 5275 Vegetation & Climate Change
HEDU 4180 Community-Based Prevention P

Complete all of the following

Lower Division

Complete at least 2 of the following:

ANTH1020 - Human Origins: Evolution and Diversity (3)
ANTH1030 - Prehistoric Archaeology (3)
ANTH1050 - The Evolution of Human Nature (3)
ANTH1010 - Culture and the Human Experience (3)

Electives

Complete all of the following
Earned at least 6 credits from ANTH

Earned at least 6 credits from ANTH 3000 - 5999

Grand Total Credits: 18
ENVST FOOD SYSTEMS & COMMUNITY
WITH GEOGRAPHY MINOR

ENVST upper division courses
ENVST/GEOS 3210 Global Climate Change (SF)
*ENVST 3364 Challenges to Global Sustainability (IR)
*ENVST 3365 Environmental Justice (CV)

Policy Courses (select one)
POLS 3390 Intro to Environmental Policy
POLS 5322 Environmental Policy
POLS 5510 Water Policy

Statistics Courses (select one)
*COMM 3710 Intro to Quantitative Comm. Research (QI)
CMP 4010 Research Methods in Urban Ecology (QI)
FCS 3210 Statistics in Family & Consumer Studies (QI, QB)
*GEOS 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 4360 Land, Law, and Culture (CW)
*GEOS 3400 Population Geography (CW)
*HONR 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, HF)

Methods Courses (select one)
*ANTH 2534 Population Issues in Anthropology (QI, QB)
BIOL 2355 Field Botany (QI, 2cr)
*CMP 4450 GIS for Urban Ecologists (QI)
FCS 3200 Research Methods in Family & Consumer Studies
*GEOS 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 3466 Human Ecology (BF, SF)
ANTH 5340 Paleoethnobotany
*BIO 1620/1625 Fundamental Principles of Biology II
*BIO 3340 Intro to Plant Biology (AS)
*BIO 3410 Ecology & Evolution
*BIO 3450 Rainforest Ecology & Conservation (IR, SF)
BIO 3470 Conservation Biology (AS)
*BIO 5460 Plant Ecology in a Changing World
CHEM 1020 The Science of Food & Cooking (SF)
*CHEM 1210/1215 General Chemistry & Lab (SF)
CMP 2010 Design Ecologies (BF)
*CMP 3200 Ecology of Human Settlements
COMM 5360 Environmental Communication
COMM 5365 Communicating Climate Change
ECON 3250 Intro to Environmental & Natural Resource Economics
ENGL 5080 Environmental Literature
ENVST/GEOS 3390 Sustainable Streams & Riparian Zones
ENVST/SOC 3720 Environmental Health Disparities
ENVST/GEOS 3368 Energy Choices for 21st Century (SF)
FCS/PSY 5620 Environmental Psychology & Sustainability
FCS 5450 Nonprofit Community Organizations
FCS 5630 Healthy Communities
FCS 5730 Community & Environmental Change
GEOS 5275 Vegetation & Climate Change
*HED 4180 Community-Based Prevention Practices in Health Promotion & Education
*HONR 3245 Environmental Change
NUJP 1020 Scientific Foundations of Human Nutr. & Health (AS)
NUJP 3220 Food Communication (BF)
NUJP 3620 Cultural Aspects of Food (BF)
PHIL 3310 Science & Society (HF)
PHIL 3530 Environmental Ethics (HF)
PHIL 5350 Environmental Philosophy (HF)

GEOGRAPHY MINOR
Required Courses
GEOS 1000 SF (3)
GEOS 1400 BF (3)
GEOS 3100 Q1 (5)

Elective Courses (>3000 LEVEL)
GEOS 3####
GEOS 3####
GEOS 3####
ENVST FOOD SYSTEMS & COMMUNITY

WITH GEOGRAPHIC INFORMATION SCIENCE (GIS) CERTIFICATE

Statistics Courses (select one)
*COMM 3710 Intro to Quantitative Comm. Research (QI)
CMP 4010 Research Methods in Urban Ecology (QI)
FCS 3210 Statistics in Family & Consumer Studies (QI, QB)
*GEOG 3020 Geographic Analysis (QI, QB)
*POLI 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, 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, HF)

Method Courses (select one)
*ANTH 5234 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)
*POSI 3001 Political Analysis (QI, QB)
SOC 3111 Research Methods (CW)

Program requirements
C or better in the following courses:

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<tr>
<th>Course Number</th>
<th>Title</th>
<th>Credit Hours</th>
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<tr>
<td>GEOG 1130 OR</td>
<td>Introduction to Geo-Programming (S) OR</td>
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<tr>
<td>COMP 1010</td>
<td>Programming for All 1 (F/S)</td>
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<tr>
<td>GEOG 3100</td>
<td>Introduction to GIS and Cartography (F/S)</td>
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<td>GEOG 4140</td>
<td>Advanced Methods in GIS (F/S)</td>
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<td>GEOG 3170</td>
<td>Geospatial Field Methods: GPS and Drones (Fall Break)</td>
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<tr>
<td>GEOG 5940 OR</td>
<td>Internship in GIS OR</td>
<td>3.0-5.0</td>
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<td>GEOG 5150&amp;5161</td>
<td>Geospatial Big Data (F) AND Capstone in GIS (S)</td>
<td>4.0 &amp; 3.0</td>
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</table>

Total Credit Hours: 18-22
ENVST FOOD SYSTEMS & COMMUNITY
WITH POLITICAL SCIENCE MINOR

Policy Courses (Select One)
POLS 3390 Intro to Environmental Policy
POLS 3322 Environmental Policy
POLS 55110 Water Policy

Statistics Courses (select one)
*COMM 3710 Intro to Quantitative Research (Q)
CMP 4010 Research Methods in Urban Ecology (Q)
FCS 3210 Statistics in Family & Consumer Studies (Q, QB)
*GEOG 3620 Geographic Analysis (Q, QB)
POLS 5801 Quantitative Analysis in Political Science (Q)
SOC 3112 Social Statistics (Q, QB)

Writing Courses (select one)
*COMM 4650 Environmental Reporting (CW)
CMP 4290 Land, Law, and Culture (CW)
*GEOG 3400 Population Geography (CW)
*HONOR 3200 Writing in a Research University
*MGMT 3810 Business and Professional Communication (CW)
*WRTG 3012 Writing in the Social Sciences (CW)
*WRTG 3016 Scientific Writing (CW)
*WRTG 3420 Environmental Writing (CW, HF)

Methods Courses (select one)
*ANTH 3234 Population Issues in Anthropology (Q, QB)
BILS 2255 Field Botany (2cr)
*CMP 4450 GIS for Urban Ecologists (Q)
FCS 3200 Research Methods in Family & Consumer Studies
*GEOG 3100 Introduction to GIS & Cartography (Q)(S)(C)
POLS 3001 Political Analysis (Q, 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

Careers & Outlook

Anthropology
Urban farmer
Community food systems

ANTH 3486 Human Ecology (HF, SF)
ANTH 5340 Paleobotany
*Biol 1620/1625 Fundamental Principles of Biology II
*Biol 3340 Intro to Plant Biology (A5)
*Biol 3410 Ecology & Evolution
*Biol 3450 Rainforest Ecology & Conservation (Q, SF)
Biol 3470 Conservation Biology (A5)
*Biol 5460 Plant Ecology in a Changing World
CHEM 1020 The Science of Food & Cooking (SF)
*CHEM 1210/1215 General Chemistry & Lab (SF)

Earned at least 12 credits from POLS 3000 - 5999

Grand Total Credits: 18

Complete at least 2 of the following:
POLS1100 - U.S. National Government (3)
POLS2100 - Introduction to Comparative Politics (3)
POLS2200 - Introduction to Comparative Politics (3)
POLS2300 - Introduction to Political Theory (3)
POLS2700 - Introduction to Public Administration (3)
ENVS/FOOD SYSTEMS & COMMUNITY
WITH SOCIOLOGY MINOR

Statistics Courses (select one)
- COMM 3710 Intro to Quantitative Comm. Research (Q)
- CMP 4010 Research Methods in Urban Ecology (Q)
- FCS 3210 Statistics in Family & Consumer Studies (Q, QB)
- GEOG 2020 Geographic Analysis (Q), (QB)
- POLS 3001 Quantitative Analysis in Political Science (Q)
- SOC 3112 Social Statistics (Q, QB)

Writing Courses (select one)
- COMM 4650 Environmental Reporting (CW)
- CMP 4360 Land, Law, and Culture (CW)
- GEOG 3400 Population Geography (CW)
- HONOR 3200 Writing in a Research University
- MGT 3610 Business and Professional Communication (CW)
- WRTG 3502 Writing in the Social Sciences (CW)
- WRTG 3514 Scientific Writing (CW)
- WRTG 3540 Environmental Writing (CW, HF)

Methods Courses (select one)
- ANTH 5234 Population Issues in Anthropology (Q, QB)
- BIOL 2355 Field Botany (2cr)
- CMP 4450 GIS for Urban Ecologists (Q)
- FCS 3200 Research Methods in Family & Consumer Studies
- GEOG 3100 Introduction to GIS & Cartography (Q)(5cr)
- POLS 3001 Political Analysis (Q, QB)
- SOC 3111 Research Methods (CW)

To Be Completed in Your Last Year
- ENVS/FOOD 4800 Environmental & Sustainability Studies Internship
- ENVST 5558 Capstone: Eating for Health, Justice & Sustainability

Career Outlook
- Urban farmer
- Community organizing & development
- State & city outreach & education
- Food entrepreneur

Complete the following:

- SOC 1010 - Introduction to Sociology (3)

Complete at least 1 of the following:

- SOC 3111 - Research Methods (3)
- SOC 3140 - Introduction to Sociological Theory (3)

Earned at least 6 credits from SOC 3000 - 5999, excluding:

- SOC 3950 - Individual Research (1 - 3)
- SOC 3951 - Directed Reading (1 - 3)
ENVST FOOD SYSTEMS & COMMUNITY
WITH CONSUMER & COMMUNITY STUDIES
MINOR

Electives (select seven courses)
ANTH 3486 Human Ecology (BF, SF)
ANTH 5340 Paleobotany
*BIOI 1620/1625 Fundamental Principles of Biology II
*BIOI 3340 Intro to Plant Biology (AS)
*BIOI 3410 Ecology & Evolution
*BIOI 3450 Rainforest Ecology & Conservation (R, SF)
BIOL 3470 Conservation Biology (AS)
*BIOI 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
COMM 5365 Communicating Climate Change
ECNS 3250 Intro to Environmental & Natural Resource Economics
ENGL 5080 Environmental Literature
*ENVST/GEOG 3390 Sustainable Streams & Riparian Zones
ENVST/SOC 3720 Environmental Health Disparities
ENVST/GEOG 3368 Energy Choices for 21st Century (SF)
FCS/PSY 3620 Environmental Psychology & Sustainability
FCS 5450 Nonprofit Community Organizations
FCS 5630 Healthy Communities
FCS 5730 Community Environmental Change
GEOG 5275 Vegetation & Climate Change
*H EDU 4180 Community-Based Prevention Practices in Health Promotion & Education
*HONOR 3245 Environmental Change
H URB 3430 Scientific Foundations of Human Nourishment (AS)

Complete all of the following
Consumer and Community Studies Core
Earned at least 6 credits from the following:
FCS3600 - Introduction to Consumer and Community Policy (3)
FCS3450 - Family Economic Issues Across the Life Course (3)
FCS3500 - Financial Skills for Life (3)

Consumer and Community Studies Electives
Earned at least 9 credits from the following:
FCS3010 - Introduction to FCS and Career Development (2)
FCS2180 - Family, School and Community Connections (3)
FCS3420 - Housing Policy and Issues (3)
FCS3430 - Family Advocacy and Policy (3)
FCS3450 - Family Economic Issues Across the Life Course (3)
FCS3500 - Financial Skills for Life (3)
FCS3510 - Tax Preparation Certification & Community Engagement (3)
FCS3620 - Environmental Psychology and Sustainability (3)
FCS3904 - Modes of Learning: Community Engaged Learning (1)
FCS4800 - CSBS Internship Program in Family & Consumer Studies (1 - 6)
FCS3200 - Families and Social Policy (3)
FCS3282 - Conflict and Mediation (3)
FCS5430 - Families, Consumers, and Health (3)
FCS5450 - Nonprofit Community Organizations (3)
FCS5508 - Building Family Wealth: Investment and Life Insurance Planning (3)
FCS5520 - Retirement and Benefits Planning for Families (3)
FCS5530 - Income Tax Planning for Families (3)
FCS5540 - Protecting Family Wealth: Insurance and Estate Planning (3)
FCS5550 - Family Financial Planning Capstone (3)
FCS5630 - Healthy Communities (3)
FCS7000 - Analyzing Community Growth: An Evidence-based Approach (3)
FCS7201 - Community and Environmental Change (3)
FCS8090 - Optimal Human Development and Social Policy (3)
FCS9590 - Undergraduate Research (1 - 4)
FCS9864 - Special Topics in Consumer Studies and Family Economics (1 - 5)
ENVSST FOOD SYSTEMS & COMMUNITY

WITH NUTRITION MINOR

Electives (select seven courses)
- ANTH 3486 Human Ecology (BF, SF)
- ANTH 5340 Paleoenthropology
- *BIOL 1620/1625 Fundamental Principles of Biology II
- *BIOL 3340 Intro to Plant Biology (AS)
- *BIOL 3410 Ecology & Evolution
- *BIOL 3450 Rainforest Ecology & Conservation (IR, SF)
- BIOL 3470 Conservation Biology (AS)
- *BIOL 3460 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 3209 Ecology of Human Settlements
- COMM 5360 Environmental Communication
- COMM 5365 Communicating Climate Change
- ECON 3250 Intro to Environmental & Natural Resource Economics
- ENGL 5080 Environmental Literature
- *ENVSST/GEOG 3390 Sustainable Streams & Riparian Zones
- ENVSST/SOC 3720 Environmental Health Disparities
- ENVSST/GEOG 3368 Energy Choices for 21st Century (SF)
- FCS/PSY 3620 Environmental Psychology & Sustainability
- FCS 5450 Nonprofit Community Organizations
- FCS 5620 Healthy Communities
- FCS 5730 Community & Environmental Change
- GEOG 5275 Vegetation & Climate Change
- H EDU 4160 Community-Based Prevention Practices in Health Promotion & Education
- *HONOR 3245 Environmental Change
- NUUP 1020 Scientific Foundations of Human Nutr. & Health (AS)
- NUUP 3220 Food Communication (BF)
- NUUP 3620 Cultural Aspects of Food (IR)
- NUUP 3850 Cultural Studies (BF)

Complete all of the following Biology Requirement
Complete the following:
- BIOL 1610 - Fundamental Principles of Biology I: Cells, Genetics, and Biochemistry (4)

Core Courses
Complete the following:
- NUUP 1020 - Scientific Foundations of Human Nutrition and Health (9)
- NUUP 4440 - Advanced Human Nutrition (4)

Electives
Earned at least 9 credits from the following:
- NUUP 3620 - Cultural Aspects of Food (3)
- NUUP 3850 - Selected Topics (1 - 5)
- NUUP 5100 - Advanced Pediatric and Adolescent Nutrition (3)
- NUUP 5300 - Maximizing Human Performance (3)
- NUUP 5320 - Nutrition for Exercise and Sport (3)
- NUUP 5360 - Methods in Weight Management (3)
- NUUP 5420 - Applied Nutrition Through the Lifecycle (3)
- NUUP 6440 - Metabolism of Macronutrients (4)
- H EDU 3350 - Understanding Eating Disorders and Body Image (3)
ENVST FOOD SYSTEMS & COMMUNITY
WITH URBAN ECOLOGY MINOR

REQUIRED CLASSES

Pre-requisites for ENVST upper division courses
ENVST 2090 First Year Seminar (1cr)
ENVST 2650 Introduction to Environmental Science (SF)
ENVST 2100 Introduction to Environmental & Sustainability Studies (RF)
ENVST upper division courses
ENVST/GEOD 3210 Global Climate Change (SF)
*ENVST 3364 Challenges to Global Sustainability (RF)
*ENVST 3365 Environmental Justice (DV)
Policy Courses (select one)
POLS 3390 Intro to Environmental Policy
POLS 5322 Environmental Policy
POLS 5510 Water Policy

Statistics Courses (select one)
*COMM 3710 Intro to Quantitative Comm. Research (Q1)
CMF 4010 Research Methods In Urban Ecology (Q2)
FCS 3210 Statistics In Family & Consumer Studies (Q2, Q3)
*GEOD 3920 Geographic Analysis (Q2, Q3)
*POLS 5001 Quantitative Analysis In Political Science (Q2)
SOC 3112 Social Statistics (Q2, Q3)

Writing Courses (select one)
*COMM 4650 Environmental Reporting (CW)
CMF 4260 Land, Law, and Culture (CW)
*GEOD 3400 Population Geography (CW)
*HONOR 3200 Writing In a Research University
*WRTG 3810 Business and Professional Communication (CW)
*WRTG 3912 Writing In the Social Sciences (CW)
WRTG 3914 Scientific Writing (CW)
*WRTG 3420 Environmental Writing (CW, HF)

Method Courses (select one)
*ANTH 5244 Population Issues In Anthropology (Q2, Q3)
BIOL 2355 Field Botany (2cr)
*CMF 4430 (3cr for Urban Ecologists Only)
CMF 3200 Research Methods in Family & Consumer Studies
*GEOD 3100 Introduction to GIS & Cartography (Q2, Q3)
POLS 3001 Political Analysis (Q1, Q2)
SOC 3111 Research Methods (CW)

Electives (select seven courses)
ANTH 3466 Human Ecology (BI, SF)
ANTH 3461 Paleoenvironments
*BIOL 1620/1625 Fundamental Principles of Biology I
*BIOL 3240 Intro to Plant Biology (AS)
*BIOL 3410 Ecology & Evolution
*BIOL 3450 Rainforest Ecology & Conservation (RF, SF)
BIOL 3470 Conservation Biology (AS)
*BIOL 5460 Fresh Ecology in a Changing World
CHEM 3020 The Science of Food & Cooking (SF)
*CHEM 1210/1215 General Chemistry & Lab (SF)
CMF 3100 Design Ecologies (RF)
*CMF 3200 Ecology of Human Settlements
COMM 5360 Environmental Communication
COMM 5365 Communicating Climate Change
ECON 3250 Intro to Environmental & Natural Resource Economics
ENGL 5080 Environmental Literature
*ENVST/GEOD 3300 Sustainable Streams & Riparian Zones
ENVT/SC 3720 Environmental Health Disparities
ENVT/GEOD 3368 Energy Choices for 21st Century (SF)
FCS/PSY 3620 Environmental Psychology & Sustainability
FCS 5450 Nonprofit Community Organizations
FCS 5630 Healthy Communities
FCS 5730 Community & Environmental Change
GEOD 3275 Vegetation & Climate Change
HEDU 4180 Community-Based Prevention Practices in Health Promotion & Education
*HONOR 3245 Environmental Change
HUB 3220 Scientific Foundations of Human Nutr. & Health (AS)
HUB 3220 Food Communication (RF)

Complete the following:
CMF2010 - Design Ecologies (3)
CMF2020 - Ecology of Human Settlements (3)
CMF4010 - Field Studies in Urban Ecology I (3)
CMF4600 - The Just City (3)
DES2530 - Design Contexts (3)

Elective Courses
Complete at least 1 of the following:
CMF3100 - Planning Theory and Practice (3)
CMF3401 - Honors People and Place I (3)
CMF3550 - City in Literature (3)
CMF3250 - Planning Process and Methods (3)
CMF3300 - Advanced Urban Ecology (3)
CMF3400 - Economy of Cities (3)
CMF4020 - Field Studies in Urban Ecology II (3)
CMF4300 - Leadership and Community Engagement (3)
CMF4260 - Land, Law & Culture (3)
CMF4250 - Ecological Planning Workshop (3)
CMF4290 - Natural Science for Sustainability in Built Environments (3)
CMF3380 - Green Communities (3)
CMF4400 - Salt Lake City Workshop (3)
CMF4410 - Site Planning (3)
CMF4420 - Negotiation & Dispute Resolution (3)
CMF4450 - GIS for Urban Ecologists (3)
CMF4460 - Green Infrastructure (3)
CMF4710 - Introduction to Transportation Planning (3)
CMF4720 - Land Use and Transportation Planning (3)
CMF4954 - Internship in Urban Ecology (3)
# ENVST FOOD SYSTEMS & COMMUNITY

## WITH LEADERSHIP STUDIES MINOR

### Policy Courses (Select One)
- POLS 3390 Intro to Environmental Policy
- POLS 5322 Environmental Policy
- POLS 5510 Water Policy

### Statistics Courses (select one)
- *COMM 3710 Intro to Quantitative Comm. Research (QI)
- CMP 4010 Research 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, and Culture (CW)
- *GEOG 3400 Population Geography (CW)
- *HONOR 3200 Writing in a Research University
- *HGT 3810 Business and Professional Communication (CW)
- *WRTG 3012 Writing in the Social Sciences (CW)
- *WRTG 3014 Scientific Writing (CW)
- *WRTG 3420 Environmental Writing (CW, HF)

### Methods Courses (select one)
- *ANTH 5234 Population Issues in Anthropology (QI, QB)
- BISL 2355 Field Botany (2cr)
- *CMP 4450 GIS for Urban Ecologists (QI)
- FCS 3200 Research Methods in Family & Consumer Studies
- *GEOG 3100 Introduction to GIS & Cartography (QI, 5cr)
- POLS 3001 Political Analysis (QI, QB)
- SOC 3111 Research Methods (CW)

### To Be Completed In Your Last Year
- *ENVST 4800 Environmental & Sustainability Studies Internship
- *ENVST 5558 Capstone: Eating for Health, Justice & Sustainability

### ANTH 3486 Human Ecology (UI, SF)
- ANTH 5340 Palaeoethnobotany
- *BIOL 1620/1625 Fundamental Principles of Biology II
- *BIOL 3340 Intro to Plant Biology (AS)
- *BIOL 3410 Ecology & Evolution
- *BIOL 3450 Forest Ecosystem & Conservation (IR, SF)
- BIOL 3470 Conservation Biology (AS)
- *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 3010 Design Ecologies (BF)
- *CMP 3200 Ecology of Human Settlements
- COMM 5360 Environmental Communication
- COMM 5365 Communicating Climate Change
- ECON 3250 Intro to Environmental & Natural Resource Economics
- ENGL 5080 Environmental Literature
- *ENVST/COMM 3390 Sustainable Streams & Riparian Zones
- ENVST/SOC 3720 Environmental Health Disparities
- ENVST/GEOG 3368 Energy Choices for 21st Century (SF)
- FCS/PSY 3620 Environmental Psychology & Sustainability
- FCS 5450 Nonprofit Community Organizations
- FCS 5630 Healthy Communities
- FCS 5730 Community & Environmental Change
- GEOG 5275 Vegetation & Climate Change
- H EDU 4180 Community-Based Prevention Practices in Health Promotion & Education
- *HONOR 3245 Environmental Change
- NUP 1020 Scientific Foundations of Human Nutr. & Health (AS)
- NUP 5220 Food Communication (BF)
- NUP 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

### MINOR REQUIREMENTS - 19 CREDIT HOURS

- **Introductory Course:** LDRSP 2020 - 3 credit hours
- **Field Experience:** LDRSP 4100 - 4 credit hours
  - Prerequisite: LDRSP 2020
- **Capstone Course:** LDRSP 4750 - 3 credit hours
  - Prerequisite: LDRSP 2020 and LDRSP 4100
- Three elective courses - 9 credit hours

All students will take one course from each of the following elective course categories:

- **Ethical and Cultural Foundations**
- **Group, Organizational, and Community Contexts**
- **Practical Skills, Instruments, and Processes**

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**Notes:**
- Courses marked with an asterisk (*) are required for the minor.
- Courses marked with a double asterisk (**) are recommended for the minor.
- Courses marked with a triple asterisk (***) are strongly recommended for the minor.
ENVST FOOD SYSTEMS & COMMUNITY
WITH GLOBAL CITIZENSHIP MINOR

ENVST upper division courses
ENVST/GEOG 3210 Global Climate Change (3)
*ENVST 3864 Challenges to Global Sustainability (IR)
*ENVST 3865 Environmental Justice (DV)
Policy Courses (select one)
POLS 3390 Intro to Environmental Policy
POL 5510 Water Policy
Economics Courses (select one)
COMM 3710 Intro to Quantitative Research (Q)
CMP 4010 Research Methods in Urban Ecology (Q)
FCS 3210 Statistics in Family & Consumer Studies (Q, Q2)
*GEOG 3020 Geographic Analysis (Q, Q2)
*POL 5001 Quantitative Analysis in Political Science (Q)
SOC 5112 Social Statistics (Q, Q2)
Writing Courses (select one)
COMM 4450 Environmental Reporting (CW)
CMP 4200 Land, Law, and Culture (CW)
ECON 4880 Food, Geographic, and Population Geography (CW)
*HONORS 3200 Writing in a Research University (W)
*MGT 3810 Business and Professional Communication (CW)
*WRIT 3012 Writing in the Social Sciences (CW)
*WRIT 3014 Scientific Writing (CW)
*WRITG 3420 Environmental Writing (CW, HF)
Methods Course (select one)
*ANTH 2240 Population Issues in Anthropology (Q1, Q2)
BIO 2355 Field Botany (2cr)
*CMP 4430 GIS for Urban Ecologists (Q)
FCS 3220 Research Methods in Family & Consumer Studies
*GEOG 3100 Introduction to GIS & Cartography (GSX/GCS)
POL 3200 Political Analysis (Q1, Q2)
SOC 4111 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 3485 Human Ecology (BF, SF)
ANTH 3340 Paleoclimatology
*BOL 1620/1621 Fundamental Principles of Biology II
*BOL 3340 Intro to Plant Biology (AS)
*BOL 3410 Ecology & Evolution
*BOL 3450 Rainforest Ecology & Conservation (IR, SF)
BOL 3470 Conservation Biology (AS)
*BOL 3460 Plant Ecology: The Changing World
CHEM 1020 The Science of Food & Cooking (QF)
*CHEM 1217/1218 General Chemistry I & Lab (SF)
CMP 2010 Design Ecologies (BF)
*CMP 3200 Ecology of Human Settlements
COMM 3560 Environmental Communication
COMM 3560 Community Change Change
ECON 3250 Intro to Environmental & Natural Resources Economics
ENGL 3010 Environmental Literature
*ENVST/GEOG 3390 Sustainable Streams & Riparian Zones
ENVST/GEOSCI 3720 Environmental Health Disparities
ENVST/GEOSCI 3760 Energy Choices for the 21st Century (SF)
FCS/PSY 3620 Environmental Psychology & Sustainability
FCS 5450 Nonprofit Community Organizations
FCS 5620 Healthy Communities
FCS 5730 Community & Environmental Change
GEOG 5600 Vegetation & Climate Change
H EDU 4180 Community-Based Prevention Practices in Health Promotion & Education
*HONORS 2345 Environmental Change
HUP 1020 Scientific Foundations of Human Nutrition & Health (AS)
HUP 3220 Food Communication (Q)
HUP 3620 Cultural Aspects of Food (IR)
HUP 3310 Science & Society (BF)
HUP 3530 Environmental Ethics (HF)
HUP 5330 Environmental Philosophy (HF)
POLS 3200 Civic Engagement & Social Change
POLS 3320 Intro to Policy Analysis
POLS 3521 Health Policy
POL 3540 Nonprofit Advocacy
PSY 2410 Eat, Work, Play, Sleep: Psychology of Everyday Life
SOC 3490 Environmental Sociology (IR)
SOC 3490 Global Environmental Crisis
SOC 4490 Population & Society (BF, SF, Q)

Minor Requirements: 18-20 credits

- Required Core (choose one)
  - UGS 2230: Global Citizenship (course no longer by UGS--please speak with an advisor)
  - UGS 2235: Global Citizenship (course no longer by UGS--please speak with an advisor)

- Elective Courses
  - Complete 9 credits of electives, with no more than two courses coming from a single track (FF, HF, AS, SF, BF, DV, IR, CW, Q), see the approved courses.

- Language Requirement Core
  - Complete two language courses at any level: 8 credits of lower-division language OR 6 credits of upper-division language.

Notes: The credit/no credit grading option is not available for students in the minor.

Grade Requirements: All major courses must be taken for a minimum letter grade of C or better.

CAREER OUTLOOK
Urban farmer
Community organizing & development
Safe & city outreach & education
Food entrepreneur

Urban farmer
Community organizing & development
Safe & city outreach & education
Food entrepreneur
Complete all of the following

Lower Division

Complete at least 2 of the following:

- ANTH1020 - Human Origins: Evolution and Diversity (3)
- ANTH1030 - Prehistoric Archaeology (3)
- ANTH1050 - The Evolution of Human Nature (3)
- ANTH11010 - Culture and the Human Experience (3)

Electives

Earned at least 6 credits from ANTH

Elected

Earned at least 6 credits from ANTH 3000 - 5999

Grand Total Credits: 18
ENVST ECOJUSTICE EDUCATION
WITH GEOGRAPHY MINOR

Policy Courses (Select One)
POLS 3390 Intro to Environmental Policy
POLS 5322 Environmental Policy
POLS 5510 Water Policy

Statistics Courses (select one)
*COMM 3710 Intro to Quantitative Comm. Research (QI)
CMPP 4010 Research Methods in Urban Ecology (QI)
FCS 3210 Statistics In Family & Consumer Studies (QI, QB)
*GEOG 3020 Geographic Analysts (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 Land, Law, & Culture (CW)
*GEOG 3400 Population Geography (CW)
*GNDR 3100 Environmental Writing (CW and HF)
*HONOR 3200 Writing in a Research University (CW)
*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, HF)

Methods Courses (select one)
*ANTH 5234 Population Issues in Anthropology (QI, QB)
*CMP 4450 GIS for Urban Ecologists (QI)
*COMM 4570 Visual Editing
FCS 3200 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)

ANTH 3486 Human Ecology (BF, SF)
ANTH 3145 Human Migration & Social Change (IR)
BIOL 3470 Conservation Biology (AS)
COMM 3115 Communicating Health, Science, Environment
COMM 3290 Native American Activism (DV)
COMM 3300 Community & Social Responsibility (CW, HF)
COMM 4560 Consuming the Earth
COMM 5360 Environmental Communication
COMM 5365 Communicating Climate Change
COMM 4540 Communication & Social Justice
CMPP 4010 Design Ecologies (BF)
ECON 3230 Intro to Environmental & Natural Resource Economics
ECON/GNDR 5560 Gender & Econ. Development in 3rd World
ENGL 5800 Environmental Literature
ENGL 5930 Theories of Race, Ethnicity, Nation
ENVST/GEOG 3368 Energy Choices for the 21st Century (SF)
*ENVST/GEOG 3390 Sustainable Streams & Riparian Zones
ENVST/GEOG 3720 Environmental Health Disparities
FCS/PSY 3620 Environment & Behavior
FCS 5450 Nonprofit Community Organizations
FCS 5730 Community & 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)
*HONOR 5245 Environmental Change
PHIL 3310 Science & Society (HF)
PHIL 3530 Environmental Ethics (HF)
PHIL 3730 Justice & International Affairs (HF)
PHIL 5530 Environmental Philosophy (HF)
POLS 5540 Nonprofit Administration

GEOGRAPHY MINOR

Required Courses
GEOG 1000 SF (3)
GEOG 1400 BF (3)
GEOG 3100 QF (5)

Elective Courses (>3000 LEVEL)
GEOG 3###
GEOG 3###
GEOG 3###
GEOG 3###
ENVST ECOJUSTICE EDUCATION
WITH GEOGRAPHIC INFORMATION SCIENCE (GIS) CERTIFICATE

Writing Courses (select one)
*COMM 4650 Environmental Reporting (CW)
*CMP 4260 Land, Law, & Culture (CW)
*GEOG 3400 Population Geography (CW)
*GNDR 3100 Environmental Writing (CW and HP)
*HONOR 3200 Writing in a Research University (CW)
*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, HF)

Methods Courses (select one)
*ANTH 5234 Population Issues in Anthropology (QI, QB)
*CMP 4450 GIS for Urban Ecologists (QI)
*COMM 4570 Visual Editing
*FCS 3200 Research Methods in Family and Consumer Studies
*GEOG 3100 Introduction to GIS & Cartography (Q)(Scri)
*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

Program requirements

C or better in the following courses:

<table>
<thead>
<tr>
<th>Course Number</th>
<th>Title</th>
<th>Credit Hours</th>
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<tbody>
<tr>
<td>GEOG 1180 OR</td>
<td>Introduction to Geo-Programming (S) OR</td>
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<tr>
<td>COMP 1010</td>
<td>Programming for All 1 (P/S)</td>
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<td>Introduction to GIS and Cartography (P/S)</td>
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<td>Advanced Methods in GIS (P/S)</td>
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<td>GEOG 3170</td>
<td>Geospatial Field Methods: GPS and Drones (Fall Break)</td>
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<tr>
<td>GEOG 5940 OR</td>
<td>Internship in GIS OR</td>
<td>3.0-5.0</td>
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<tr>
<td>GEOG 5150&amp;5161</td>
<td>Geospatial Big Data (F) AND Capstone in GIS (S)</td>
<td>4.0 &amp; 3.0</td>
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</table>

Total Credit Hours 18-22
**ENVST ECOJUSTICE EDUCATION**

**WITH POLITICAL SCIENCE MINOR**

**ENVST upper division courses**
- ENVST/GEOG 3210 Global Climate Change (SF)
- *ENVST 3354 Challenges to Global Sustainability (IR)
- *ENVST 3355 Environmental Justice (DV)

**Policy Courses (select one)**
- POLS 3390 Intro to Environmental Policy
- POLS 5522 Environmental Policy
- POLS 5530 Water Policy

**Statistics Courses (select one)**
- *COMM 3710 Intro to Quantitative Comm. Research (QI)
- CMP 4010 Research 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 Law, Law, & Culture (CW)
- *GEOG 3400 Population Geography (CW)
- *GNDR 3100 Environmental Writing (CW and HF)
- *HONOR 3200 Writing In a Research University (CW)
- *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, HF)

**Methods Courses (select one)**
- *ANTH 5234 Population Issues in Anthropology (QI, QB)
- *CMP 4450 GIS for Urban Ecologists (QI)
- *COMM 4570 Visual Editing
- FCS 3200 Research Methods in Family and Consumer Studies
- *GEOG 3100 Introduction to GIS & Cartography (QI)(Scr)
- POLS 3001 Political Analysis (QI, QI)
- SOC 3111 Research Methods (CW)
- To Be Completed in Your Last Year
  - *ENVST 4800 Environmental & Sustainability Studies Internship

**Electives (select seven courses)**
- ANTH 3486 Human Ecology (BE, SF)
- ANTH 3145 Human Migration & Social Change (IR)
- BIOL 3470 Conservation Biology (AS)
- 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 Economics
- ECON/GEDR 5560 Gender & Econ. Development in 3rd World
- ENGL 5066 Environmental Literature
- ENGL 5930 Theories of Place, Ethnicity, Nation
- ENVST/GEOG 3368 Energy Choices for the 21st Century (SF)
- *ENVST/GEOG 3390 Sustainable Streams & Riparian Zones
- ENVST/SOC 3720 Environmental Health Disparities
- FCS/PSY 3620 Environment & Behavior
- FCS 5450 Nonprofit Community Organizations
- FCS 5730 Community & Environmental Change
- FILM 3520 Documentary & Social Justice (FF)
- GNDR 1100 Gender & Social Change (BE, DV)
- *GNDR 5080 Gender, Power and Freedom
- HIST 4380 Environmental History (HF)
- *HONOR 3245 Environmental Change
- PHIL 3210 Science & Society (HF)
- PHIL 3530 Environmental Ethics (HF)
- PHIL 3730 Justice & International Affairs (IR)
- PHIL 5530 Environmental Philosophy (HF)
- POLS 5450 Nonprofit Advocacy
- *POL 5425 International Ethics
- PSY 5735 Youth Public Policies

**Complete at least 2 of the following:**
- POLS1100 - U.S. National Government (3)
- POLS2100 - Introduction to International Relations (3)
- POLS2200 - Introduction to Comparative Politics (3)
- POLS2300 - Introduction to Political Theory (3)
- POLS2700 - Introduction to Public Administration (3)

**Earned at least 12 credits from POLS 3000 - 5999**

**Grand Total Credits: 18**
Complete the following:

**ECON2010** - Principles of Microeconomics (3)
**ECON2020** - Principles of Macroeconomics (3)

History, Theory, Thought
Complete at least 1 of the following:

**ECON4010** - Intermediate Microeconomic Analysis (3)
**ECON4020** - Intermediate Macroeconomic Analysis (3)
**ECON5050** - Keynes’ Economics (3)
**ECON5060** - History of Economic Doctrines (3)
**ECON5080** - Marxian Economics (3)
**ECON5400** - Middle East Economic History (3)
**ECON5410** - Survey of European Economic History (3)
**ECON5420** - China and the Global Economy (3)
**ECON5430** - Asian Economic History and Development (3)
**ECON5460** - Latin American Economic History and Development (3)
**ECON5470** - Industrialization and Economic Development: The American Case (3)

**Electives**
Earned at least 9 credits from ECON 3000 - 5999, excluding:

**ENST/ECON 3060** - Mathematics for Economists (3)
**ECON3640** - Probability and Statistical Inference for Economists (3)
**ECON3905** - Modes of Learning: Writing & Communication in Econ (1)

**Grand Total Credits:** 18
ENVST ECOJUSTICE EDUCATION
WITH SOCIOLOGY MINOR

Statistics Courses (select one)
* COMM 3570 Intro to Quantitative Comm. Research (Q)
* CMP 4010 Research Methods in Urban Ecology (Q)
* FCS 3210 Statistics in Family & Consumer Studies (Q, QB)
* GEOG 3020 Geographic Analysis (Q, QB)
* POLS 3001 Quantitative Analysis in Political Science (Q)
SOCI 3112 Social Statistics (Q, QB)

Writing Courses (select one)
* COMM 4560 Environmental Reporting (Q)
* CMP 4260 Land, Law, & Culture (Q)
* GEOG 3460 Population Geography (Q)
* GNDR 3100 Environmental Writing (Q and HF)
* HONOR 3200 Writing in a Research University (Q)
* MGT 3810 Business and Professional Communication (Q)
* WRKG 3212 Writing in the Social Sciences (Q)
* WRKG 3214 Scientific Writing (Q)
* WRKG 3420 Environmental Writing (Q, HF)

Methods Courses (select one)
* ANTH 5234 Population Issues In Anthropology (Q, QB)
* CMP 4450 GIS for Urban Ecologists (Q)
* COMM 4570 Visual Editing
* FCS 3200 Research Methods in Family and Consumer Studies
* GEOG 3700 Introduction to GIS & Cartography (Q)(Scr)
* POLS 3001 Political Analysis (Q, QB)
SOC 3112 Research Methods (QW)

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

COMM 3290 Native American Activism (Q)
COMM 3270 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 (Q)
ECON 3250 Intro to Environmental & Natural Resource Economics
ENGL 5080 Environmental Literature
ENGL 5930 Theories of Race, Ethnicity, Nation
ENVST/GENDR 3368 Energy Choices for the 21st Century (SP)
* ENVST/GEOG 3390 Sustainable Streams & Riparian Zones
ENVST/SOCI 3726 Environmental Health Disparities
FCS/PSY 2620 Environmental Behavior
FCS 5450 Nonprofit Community Organizations
FCS 5730 Community & Environmental Change
FILM 3520 Documentary & Social Justice (Q)
GNDR 1100 Gender & Social Change (BQ, Q)
* GNDR 5080 Gender, Power and Freedom
HIST 3800 Environmental History (HF)
* HONOR 3245 Environmental Change
PHIL 3100 Science & Society (HF)
PHIL 3550 Environmental Ethics (HF)
PHIL 3730 Justice & International Affairs (HF)
PHIL 5530 Environmental Philosophy (HF)
POLS 5540 Nonprofit Advocacy
* POLS 5625 International Ethics
* PRT 5735 Youth Development
SOC 3422 Social Movements
SOC 3480 Environmental Sociology (Q)
SOC 3486 Global Environmental Crisis
THEA 4630 Theatre for Social Action

Complete the following:
SOC1010 - Introduction to Sociology (Q)

Complete at least 1 of the following:
SOC3111 - Research Methods (Q)
SOC3140 - Introduction to Sociological Theory (Q)

Earned at least 6 credits from SOC 3000 - 5999, excluding:
SOC3950 - Individual Research (1 - 3)
SOC3951 - Directed Reading (1 - 3)

CAREER OUTLOOK
**ENVST ECOJUSTICE EDUCATION**

**WITH CONSUMER & COMMUNITY STUDIES MINOR**

<table>
<thead>
<tr>
<th>Electives (select seven courses)</th>
</tr>
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<tbody>
<tr>
<td>ANTH 3486 Human Ecology (BF, SF)</td>
</tr>
<tr>
<td>ANTH 3145 Human Migration &amp; Social Change (IR)</td>
</tr>
<tr>
<td>BIOL 3470 Conservation Biology (AS)</td>
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<tr>
<td>COMM 3115 Communicating Health, Science, Environment</td>
</tr>
<tr>
<td>COMM 3290 Native American Activism (DV)</td>
</tr>
<tr>
<td>COMM 3030 Community &amp; Social Responsibility (CW, HF)</td>
</tr>
<tr>
<td>COMM 4360 Consuming the Earth</td>
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<tr>
<td>COMM 5360 Environmental Communication</td>
</tr>
<tr>
<td>COMM 5365 Communicating Climate Change</td>
</tr>
<tr>
<td>COMM 5490 Communication &amp; Social Justice</td>
</tr>
<tr>
<td>CMP 2010 Design Ecologies (BF)</td>
</tr>
<tr>
<td>ECON 3250 Intro to Environmental &amp; Natural Resource Economics</td>
</tr>
<tr>
<td>ECON/GNDR 5560 Gender &amp; Econ. Development in 3rd World</td>
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<tr>
<td>ENGL 5080 Environmental Literature</td>
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<tr>
<td>ENGL 5930 Theories of Race, Ethnicity, Nation</td>
</tr>
<tr>
<td>ENVST/GEOG 3368 Energy Choices for the 21st Century (SF)</td>
</tr>
<tr>
<td>*ENVST/GEOG 3390 Sustainable Streams &amp; Riparian Zones</td>
</tr>
<tr>
<td>ENVST/SOC 3720 Environmental Health Disparities</td>
</tr>
<tr>
<td>FCS/PSY 3620 Environment &amp; Behavior</td>
</tr>
<tr>
<td>FCS 5450 Nonprofit Community Organizations</td>
</tr>
<tr>
<td>FCS 5730 Community &amp; Environmental Change</td>
</tr>
<tr>
<td>FILM 3520 Documentary &amp; Social Justice (FF)</td>
</tr>
</tbody>
</table>

Complete all of the following

Consumer and Community Studies Core
Earned at least 6 credits from the following:
- FCS3000 - Introduction to Consumer and Community Policy (3)
- FCS3450 - Family Economic Issues Across the Life Course (3)
- FCS3500 - Financial Skills for Life (3)

Consumer and Community Studies Electives
Earned at least 9 credits from the following:
- FCS3010 - Introduction to FCS and Career Development (2)
- FCS2180 - Family, School and Community Connections (3)
- FCS3420 - Housing Policy and Issues (3)
- FCS3430 - Family Advocacy and Policy (3)
- FCS3450 - Family Economic Issues Across the Life Course (3)
- FCS3500 - Financial Skills for Life (3)
- FCS3510 - Tax Preparation Certification & Community Engagement (3)
- FCS3620 - Environmental Psychology and Sustainability (3)
- FCS3804 - Modes of Learning: Community Engaged Learning (1)
- FCS4890 - CSBS Internship Program in Family & Consumer Studies (1 - 6)
- FCS5200 - Families and Social Policy (3)
- FCS5282 - Conflict and Mediation (3)
- FCS5430 - Families, Consumers, and Health (3)
- FCS5450 - Nonprofit Community Organizations (3)
- FCS5510 - Building Family Wealth: Investment and Life Insurance Planning (3)
- FCS5520 - Retirement and Benefits Planning for Families (3)
- FCS5530 - Income Tax Planning for Families (3)
- FCS5540 - Protecting Family Wealth: Insurance and Estate Planning (3)
- FCS5550 - Family Financial Planning Capstone (3)
- FCS5630 - Healthy Communities (3)
- FCS5700 - Analyzing Community Growth: An Evidence-based Approach (3)
- FCS5730 - Community and Environmental Change (3)
- FCS5800 - Optimal Human Development and Social Policy (3)
- FCS5950 - Undergraduate Research (1 - 4)
- FCS5964 - Special Topics in Consumer Studies and Family Economics (1 - 5)
# ENVST ECOJUSTICE EDUCATION

**WITH GENDER STUDIES MINOR**

<table>
<thead>
<tr>
<th>Policy Courses</th>
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<tbody>
<tr>
<td>POLS 3390 Intro to Environmental Policy</td>
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<tr>
<td>POLS 5322 Environmental Policy</td>
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<tr>
<td>POLS 5515 Water Policy</td>
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<table>
<thead>
<tr>
<th>Statistics Courses</th>
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<tr>
<td>*COMM 3710 Intro to Quantitative Comm. Research (QI)</td>
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<tr>
<td>CMP 4010 Research Methods in Urban Ecology (QI)</td>
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<tr>
<td>FCS 3210 Statistics in Family &amp; Consumer Studies (QI, QB)</td>
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<tr>
<td>*POLS 5501 Quantitative Analysis in Political Science (QI)</td>
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<tr>
<td>SOC 3112 Social Statistics (QI, QB)</td>
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<table>
<thead>
<tr>
<th>Writing Courses</th>
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<tr>
<td>*COMM 4650 Environmental Reporting (CW)</td>
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<tr>
<td>CMP 4260 Land, Law, &amp; Culture (CW)</td>
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<tr>
<td>*GEOG 3400 Population Geography (CW)</td>
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<tr>
<td>*GNDR 3100 Medusa &amp; Manifestos (CW)</td>
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<tr>
<td>*HONOR 3200 Writing in a Research University (CW)</td>
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<tr>
<td>*MGT 3810 Business and Professional Communication (CW)</td>
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<tr>
<td>*WRTG 3012 Writing in the Social Sciences (CW)</td>
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<td>*WRTG 3014 Scientific Writing (CW)</td>
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<td>*WRTG 3420 Environmental Writing (CW, HF)</td>
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<table>
<thead>
<tr>
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<tr>
<td>*ANTH 3343 Population Issues in Anthropology (QI, QB)</td>
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<tr>
<td>*CMP 4450 GIS for Urban Ecologists (QI)</td>
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<td>*COMM 4570 Visual Editing</td>
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<tr>
<td>FCS 3200 Research Methods in Family and Consumer Studies</td>
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<tr>
<td>*GEOG 3100 Introduction to GIS &amp; Cartography (QI, SCR)</td>
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<tr>
<td>POLS 3001 Political Analysis (QI, QB)</td>
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<tr>
<td>SOC 3111 Research Methods (CW)</td>
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</table>

| ANTH 3486 Human Ecology (B, SF), |
| ANTH 3145 Human Migration & Social Change (IR) |
| BIOL 3470 Conservation Biology (AS) |
| COMM 3115 Communicating Health, Sciences, Environment |
| COMM 3290 Native American Activism (DV) |
| COMM 3030 Community & Social Responsibility (CW, HF) |
| COMM 4360 Conserving the Earth |
| COMM 5360 Environmental Communication |
| COMM 5365 Communicating Climate Change |
| COMM 5490 Communication & Social Justice |
| CMP 2010 Design Ecologies (HF) |
| ECON 3250 Intro to Environmental & Natural Resource Economics |
| ECON/GEDE 5560 Gender & Ecom Development in 3rd World |
| ENGL 5500 Environmental Literature |
| ENGL 5510 Theories of Race, Ethnicity, Nation |
| ENVST/GEDE 3368 Energy Choices for the 21st Century (SF) |
| *ENVST/GEDE 3390 Sustainable Streams & Riparian Zones |
| ENVST/SOC 3720 Environmental Health Disparities |
| FCS/PSY 3620 Environment & Behavior |
| FCS 3450 Nonprofit Community Organizations |
| FCS 3730 Community & Environmental Change |
| FILM 3520 Documentary & Social Justice (FF) |
| GNDR 1100 Gender & Social Change (B, DV) |
| *GNDR 5080 Gender, Power & Freedom |
| HIST 3360 Environmental History (HF) |
| *HONOR 3245 Environmental Change |
| PHIL 3310 Science & Society (HF) |
| PHIL 3550 Environmental Ethics (HF) |
| PHIL 3750 Justice & International Affairs (HF) |
| PHIL 5530 Environmental Philosophy (HF) |

---

**Introductory Courses (complete one):**

- GNDR 3100 Gender and Social Change (IR) (DV/BF)
- GNDR 2500 Here I Stand: An Intro to Gender Studies (3) (DV)
- GNDR 3602 Gender and Contemporary Issues (3) (DV/BF/FH)

**Intermediate Courses (complete two):**

- GNDR 3500 Medusa and Manifestos: Identity and Protest in the Information Age (3) (CW)
- GNDR 3900: Introduction to Feminist Theories (3)

**Advanced Courses (complete two):**

---

**Electives**

**Complete Two Courses**

6 credits

*See catalog for full course list*
ENVST ECOJUSTICE EDUCATION
WITH SOCIAL JUSTICE ADVOCACY
CERTIFICATE

**ENVS10 Upper Division Courses**
- ENVST/GEOG 2210 Global Climate Change (3)
- *ENVS10 3364 Challenges to Global Sustainability (4)*
- *ENVS10 3346 Environmental Justice (DV)*

**Policy Courses** (select one)
- POLS 3350 Intro to Environmental Policy
- POLS 3322 Environmental Policy
- POLS 5510 Water Policy

**Statistics Courses** (select one)
- *COMM 3710 Intro to Quantitative Comm. Research (6)*
- CMP 4010 Research Methods in Urban Ecology (7)
- FCS 3210 Statistics in Family & Consumer Studies (QL, QBl)
- *GEOG 3020 Geographic Analysis (QI, QBl)*
- *POL 5091 Quantitative Analysis in Political Science (QI)*
- SOC 3112 Social Statistics (QI, QBl)

**Writing Courses** (select one)
- *COMM 4650 Environmental Reporting (CW)*
- CMP 4130 Land, Law, & Culture (CW)
- *GEOS 3400 Population Geography (CW)*
- *GNDR 3100 Environmental Writing (CW and HF)*
- *HONOR 3200 Writing in a Research University (CW)*
- *MGT 3810 Business and Professional Communication (CW)*
- *WRIT 3012 Writing in the Social Sciences (CW)*
- *WRIT 3014 Scientific Writing (CW)*
- *WRIT 3420 Environmental Writing (CW, HF)*

**Methods Courses** (select one)
- *ANTH 5234 Population Issues in Anthropology (QI, QBl)*
- *CMP 4480 GIS for Urban Ecologists (QI)*
- *COMM 4570 Visual Literacy*
- *GEOS 3100 Introduction to GIS & Cartography (QI, QBl)*
- POLS 3041 Political Analysis (QI, QBl)

**Electives** (select seven courses)
- ANTH 3486 Human Ecology (QI, SF)
- ANTH 3543 Human Migration & Social Change (QI)
- BIOL 3470 Conservation Biology (A/S)
- COMM 3115 Communicating Health, Science, Environment
- COMM 3290 Native American Activism (IX)
- COMM 3290 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 (QF)
- ECON 2310 Intro to Environmental & Natural Resource Economics
- ECON/GEOR 5560 Gender & Environment Development in I frat World
- ENGL 5080 Environmental Literature
- ENGL 5930 Theories of Race, Ethnicity, Nation
- ENVST/GEOG 3366 Energy Choices for the 21st Century (SP)
- *ENVS/GEOS 3390 Sustainable Streams & Riparian Zones*
- ENVST/SOC 3720 Environmental Health Disparities
- FCS/PSY 5682 Environment & Behavior
- FCS 4540 Nonprofit Community Organizations
- FCS 5730 Community & Environmental Change
- FILM 3520 Documentary & Social Justice (HF)
- GNDR 1100 Gender & Social Change (SE, EV)
- *GNDR 5080 Gender, Power & Freedom*
- HIST 4380 Environmental History (HF)
- *HONOR 3245 Environmental Change*
- PHIL 3310 Science & Society (HF)
- PHIL 3510 Environmental Ethics (HF)
- PHIL 3730 Justice & International Affairs (QI)

Complete all of the following:
- SW/5550 - Social Diversity and Cultural Understanding (4)

Complete the following:
- ANTH 3486 - Human Ecology (QI, SF)
- ANTH 3543 - Human Migration & Social Change (QI)
- BIOL 3470 - Conservation Biology (A/S)
- COMM 3115 - Communicating Health, Science, Environment
- COMM 3290 - Native American Activism (IX)
- COMM 3290 - 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 (QF)
- ECON 2310 - Intro to Environmental & Natural Resource Economics
- ECON/GEOR 5560 - Gender & Environment Development in I frat World
- ENGL 5080 - Environmental Literature
- ENGL 5930 - Theories of Race, Ethnicity, Nation
- ENVST/GEOG 3366 - Energy Choices for the 21st Century (SP)
- *ENVS/GEOS 3390 - Sustainable Streams & Riparian Zones*
- ENVST/SOC 3720 - Environmental Health Disparities
- FCS/PSY 5682 - Environment & Behavior
- FCS 4540 - Nonprofit Community Organizations
- FCS 5730 - Community & Environmental Change
- FILM 3520 - Documentary & Social Justice (HF)
- GNDR 1100 - Gender & Social Change (SE, EV)
- *GNDR 5080 - Gender, Power & Freedom*
- HIST 4380 - Environmental History (HF)
- *HONOR 3245 - Environmental Change*
- PHIL 3310 - Science & Society (HF)
- PHIL 3510 - Environmental Ethics (HF)
- PHIL 3730 - Justice & International Affairs (QI)

Electives (select seven courses)

Complete the following:
- SW/5550 - Social Diversity and Cultural Understanding (4)

Complete the following:
- ANTH 3486 - Human Ecology (QI, SF)
- ANTH 3543 - Human Migration & Social Change (QI)
- BIOL 3470 - Conservation Biology (A/S)
- COMM 3115 - Communicating Health, Science, Environment
- COMM 3290 - Native American Activism (IX)
- COMM 3290 - 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 (QF)
- ECON 2310 - Intro to Environmental & Natural Resource Economics
- ECON/GEOR 5560 - Gender & Environment Development in I frat World
- ENGL 5080 - Environmental Literature
- ENGL 5930 - Theories of Race, Ethnicity, Nation
- ENVST/GEOG 3366 - Energy Choices for the 21st Century (SP)
- *ENVS/GEOS 3390 - Sustainable Streams & Riparian Zones*
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- FCS 5730 - Community & Environmental Change
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- GNDR 1100 - Gender & Social Change (SE, EV)
- *GNDR 5080 - Gender, Power & Freedom*
- HIST 4380 - Environmental History (HF)
- *HONOR 3245 - Environmental Change*
- PHIL 3310 - Science & Society (HF)
- PHIL 3510 - Environmental Ethics (HF)
- PHIL 3730 - Justice & International Affairs (QI)

Course substitutions may be available. Please contact certific information.
# ENVST ECOJUSTICE EDUCATION

WITH 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*, 3080, 3500, 3510, 3520, 3530, 3750, 3700, 3710, 3720, 3740, 3750, 3760, 3900, 3910, 3920, 3930, 3940, 3950, 3960, 5191*, 5500, 5510, 5520, 5530, 5540, 5700, 5710, 5720, 5800</td>
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<tr>
<td>II Metaphysics and Epistemology</td>
<td>One course</td>
<td>3012*, 3300*, 3310*, 3350, 3370, 3375, 3380, 3390, 3400, 3440, 3600, 4300, 4400, 4450, 4460, 5192*, 5300, 53501, 53701, 53751, 5400*, 5450, 5480*</td>
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<tr>
<td>III History of Philosophy</td>
<td>One course</td>
<td>3013*, 3610, 4110, 4115, 4120, 4130, 4140, 5040, 5060, 5110, 5120*, 5150*, 5193*, 5360</td>
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<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
ENVST ECOJUSTICE EDUCATION

WITH GLOBAL CITIZENSHIP MINOR

Minor Requirements: 18-20 credits

- **Required Core (choose one)**
  - UGS 2230: Global Citizenship
    (course no longer by UGS—please speak with an advisor)
  - UGS 2235: Global Citizenship
    (course no longer by UGS—please speak with an advisor)

- **Elective Courses**
  - Complete 9 credits of electives, with no more than two courses coming from a single track (FF, HF, AS, SF, BF, DV, IR, CW, QI). See the approved courses.

- **Language Requirement Core**
  - Complete two language courses at any level: 8 credits of lower-division language OR 6 credits of upper-division language.

Notes: The credit/no credit grading option is not available for students in the minor.

**Grade Requirements**: All major courses must be taken for a minimum letter grade of C or better.
ENVST ECOJUSTICE EDUCATION WITH LEADERSHIP STUDIES MINOR

Writing Courses (select one)
*COMM 4650 Environmental Reporting (CW)
*CMP 4260 Land, Law, & Culture (CW)
*GEOG 3400 Population Geography (CW)
*GNDR 3100 Environmental Writing (CW and HF)
*HONOR 3200 Writing in a Research University (CW)
*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, HF)

Methods Courses (select one)
*ANTH 5234 Population Issues in Anthropology (QI, QB)
*CMP 4450 GIS for Urban Ecologists (QI)
*COMM 4570 Visual Editing
*GEOG 3100 Introduction to GIS & Cartography (QI)(5cr)
FCS 3200 Research Methods in Family and Consumer Studies
*PHIL 3300 Environmental Ethics (QI)
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 5557 Capstone: Teaching Environmental Literacy

ECNR 7250 Link to Environmental, Natural Resource
ECON/GNDR 5560 Gender & Econ. Development in 3rd
ENGL 5080 Environmental Literature
ENGL 5930 Theories of Race, Ethnicity, Nation
ENVST/GEOG 3368 Energy Choices for the 21st Century
*ENVST/GEOG 3390 Sustainable Streams & Riparian
ENVST/SOC 3720 Environmental Health Disparities
FCS/PSY 3620 Environment & Behavior
FCS 5450 Nonprofit Community Organizations
FCS 5730 Community & 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)
*HONOR 3245 Environmental Change
PHIL 3310 Science & Society (HF)
PHIL 3330 Environmental Ethics (HF)
PHIL 3730 Justice & International Affairs (IR)
PHIL 5530 Environmental Philosophy (HF)
POLS 3540 Nonprofit Advocacy
*POLS 5625 International Ethics
*PRT 5735 Youth Development
SOC 3422 Social Movements
SOC 3480 Environmental Sociology (IR)
SOC 3486 Global Environmental Crisis
THEA 4630 Theatre for Social Action

MINOR REQUIREMENTS - 19 CREDIT HOURS

- Introductory Course: LDRSP 2020 - 3 credit hours
- Field Experience: LDRSP 4100- 4 credit hours
  Prerequisite: LDRSP 2020
- Capstone Course: LDRSP 4750 - 3 credit hours
  Prerequisite: LDRSP 2020 and LDRSP 4100
- Three elective courses - 9 credit hours

All students will take one course from each of the following elective course categories:

- Ethical and Cultural Foundations
- Group, Organizational and Community Contexts
- Practical Skills, Instruments, and Processes

CAREER OUTLOOK

Conclusion

- Preparation for careers in environmental education and leadership studies
- Development of critical thinking and problem-solving skills
- Opportunities to work with community organizations and non-profits
- Potential for further education in environmental science, policy, and advocacy
ENVST SUSTAINABILITY INITIATIVES WITH ECONOMICS MINOR

Pre-requisites for ENVST upper division courses
ENVST 2000 First Year Seminar
ENVST 2050 Introduction to Environmental Science (SF)
ENVST 2100 Introduction to Environmental and Sustainability Studies (BF)

ENVST upper division courses
ENVST 3210 Global Climate Change (SF)
*ENVST 3364 Challenges to Global Sustainability (IR)
*ENVST 3365 Environmental Justice (DV)
POLS 3390 Intro to Environmental Policy

Statistics Courses (select one)
*ECON 3340 Probability & Statistics for Economists (Q)
SOC 3112 Social Statistics (Q & QI)
FCS 3210 Statistics in Family & Consumer Studies (QI & QI)
*PSY 3000 Statistical Methods in Psychology (QI & QI)

Writing Courses (select one)
*MGT 3810 Business & Professional Communication (CW)
*WRTG 3014 Scientific Writing (CW)
*WRTG 3012 Writing in the Social Sciences (CW)
*WRTG 3015 Professional Writing (CW)

Methods Courses (select one)
FCS 3200 Research Methods in Family & Consumer Studies
*ECON 4650 Econometrics (Q)
POLS 3001 Political Analysis (Q & QI)
SW 4100 Global Community Based Research
SOC 3111 Research Methods (CW)

Electives (select seven courses)
ANTH 1050 Evolution & Human Nature (SF)
ANTH 4255 Race & Culture (DV)
*CHEM 1210 General Chemistry (SF)
ECON 3190 Intro to Health Economics
FCS 5450 Nonprofit Community Organizations
GEOG 3600 Geography of Utah
GEOG/ENVST 3368 Energy Choices for the 21st Century
GNDR 1100 Gender & Social Change (DV/BF)
GNDR 3380 Social Inequality (DV)
NUIP 1020 Scientific Foundations of Human Nutrition & Health (AS)
PULS 3350 Environmental Ethics (HF)
PHIL 3520 Bioethics (HF)
PRT 3310 Leisure Behavior & Human Diversity (DV)
PRT 3320 Recreation Programming & Leadership
PRT 3610 The Global Citizen (IR)
SOC 1020 Social Problems
SOC 3400 Environmental Sociology (IR)
SOC 3650 Population & Society (QI/QB/IR)
SW 3550 Social Diversity & Cultural Understanding (DV)

No more than 4 from one department.
* Courses have prerequisites.

Complete the following:

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<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
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<td>ECON2010</td>
<td>Principles of Microeconomics</td>
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<tr>
<td>ECON2020</td>
<td>Principles of Macroeconomics</td>
<td>3</td>
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<tr>
<td>ECON4010</td>
<td>Intermediate Microeconomic Analysis</td>
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<td>ECON4020</td>
<td>Intermediate Macroeconomic Analysis</td>
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<td>ECON5050</td>
<td>Keynes’ Economics</td>
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<td>ECON5060</td>
<td>History of Economic Doctrines</td>
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<td>ECON5080</td>
<td>Marxian Economics</td>
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<td>ECON5400</td>
<td>Middle East Economic History</td>
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<td>ECON5410</td>
<td>Survey of European Economic History</td>
<td>3</td>
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<td>ECON5420</td>
<td>China and the Global Economy</td>
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<td>ECON5430</td>
<td>Asian Economic History and Development</td>
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<td>ECON5470</td>
<td>Industrialization and Economic Development: The American Case</td>
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Earned at least 9 credits from ECON 3000 - 3999, excluding:

<table>
<thead>
<tr>
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<tr>
<td>ECON3620</td>
<td>Mathematics for Economists</td>
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<td>ECON3640</td>
<td>Probability and Statistical Inference for Economists</td>
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<td>ECON3905</td>
<td>Modes of Learning: Writing &amp; Communication in Econ</td>
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Grand Total Credits: 18
ENVST SUSTAINABILITY INITIATIVES WITH SOCIOLOGY MINOR

**ENVST upper division courses**
- ENVST 3320 Global Climate Change (SF)
- ENVST 3364 Challenges to Global Sustainability (IR)
- ENVST 3365 Environmental Justice (DV)
- POLS 3390 Intro to Environmental Policy

**Statistics Courses (select one)**
- ECON 3460 Probability & Statistics for Economists (Q8)
- SOC 3112 Social Statistics (QI & Q8)
- FCS 3210 Statistics in Family & Consumer Studies (QI & Q8)
- PSY 3000 Statistical Methods in Psychology (QI & Q8)

**Writing Courses (select one)**
- MGT 3810 Business & Professional Communication (CW)
- WRTG 3014 Scientific Writing (CW)
- WRTG 3012 Writing in the Social Sciences (CW)
- WRTG 3015 Professional Writing (CW)

**Methods Courses (select one)**
- FCS 3200 Research Methods in Family & Consumer Studies
- *ECON 4650 Econometrics (Q1)
- POLS 3401 Political Analysis (Q8 & QI)
- SW 4100 Global Community Based Research
- SOC 3111 Research Methods (CW)

- ECON 3190 Intro to Health Economics
- FCS 5450 Nonprofit Community Organizations
- GEOG 3600 Geography of Utah
- GEOG/ENVST 3368 Energy Choices for the 21st Century
- GNDR 1100 Gender & Social Change (DV/BF)
- GNDR 3380 Social Inequality (DV)
- NUIP 1020 Scientific Foundations of Human Nutrition & Health (AS)
- PHIL 3530 Environmental Ethics (HF)
- PHIL 3520 Bioethics (HF)
- PRT 3310 Leisure Behavior & Human Diversity (DV)
- *PRT 3320 Recreation Programming & Leadership
- PRT 3610 The Global Citizen (IR)
- SOC 1020 Social Problems
- SOC 3460 Environmental Sociology (IR)
- SOC 3650 Population & Society (QI/Q8/R)
- SW 3550 Social Diversity & Cultural Understanding (DV)

**Complete the following:**
- SOC1010 - Introduction to Sociology (3)

**Complete at least 1 of the following:**
- SOC3111 - Research Methods (3)
- SOC3140 - Introduction to Sociological Theory (3)

Earned at least 6 credits from SOC 3000 - 5999, excluding:
- SOC3950 - Individual Research (1 - 3)
- SOC3951 - Directed Reading (1 - 3)