ENVST Land Management, Conservation, and Place with Anthropology Minor

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

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

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

Statistics Courses (select one)
CMP 4010 Research Methods in Urban Ecology (QI)
*GEOG 3320 Geographic Analysis (QI, QB)
*MATH 3070 Applied Statistics (QI, QB)
*POLS 5501 Quantitative Analysis in Political Science (QI)

Writing Courses (select one)
COMM 4650 Environmental Reporting (CW)
CMP 4260 Law, Law, & Culture (OW)
GEOG 3270 Global Patterns of Life (CW, SF)
*MGT 3810 Business & Professional Communication (CW)
WRIT 3014 Scientific Writing (CW)
WRIT 3420 Environmental Writing (CW, HF)

Methods Courses (select one)
Biol 2355 Field Botany (2 cr)
*GEOG 3400 Computational & Field Meth in Applied Geology (2 cr)
*GEOG 3140 Introduction to GIS (QI)
POLS 3001 Political Analysis (QI, QB)
*ANTH 4334 Population Issues in Anthropology (QI, QB)
*PRT 3740 Program & Service Evaluation in Parks, Recreation & Tourism (QI, QB)
*GEOG 3040 Principles of Cartography (QI)
*GEOG 5712 Paleoenvironmental Field Methods
SOC 3111 Research Methods

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 2055 Human Ecology of Sustainability
ANTH 4186 Human Ecology (BF, SF)
ANTH 4150 Evolution of Societies and Cultures
*Biol 2010 Evolution & Diversity of Life
BIOL 2400 Principles of Wildlife Ecology & Conservation (DV)
*BIOL 3410 Evolution & Ecology
*BIOL 3450 Rain Forest Ecology & Conservation (IR, SF)
BIOL 3710 Biology, Society & Public Engagement
BIOL 3470 Conservation Biology (AS)
*BIOL 5345 Natural History of the Colorado Plateau
*BIOL 5460 Plant Ecology in a Changing World
BIOL 5710 Biology & Society
*CHEM 1210/121S General Chemistry & Lab I (SF)
CMP 2010 Design Ecologies (BF)
CMP 3100 Urban & Environmental Planning
CMPS 2200 Principles of Ecology for Planners
CMPS 3390 Fostering Sustainable Scientific & Human Perspective
CMPS 4710 Introduction to Transportation Planning
CMPS 4930 National Science for Sustainability In Built Environments
COMM 5360 Environmental Communication
ECON 3250 Intro to Env. & Natural Resource Economics (BF)
*ECON 5250 Environmental & Natural Resource Economics
ENGL 2050 Literature of the American West
ENGL 5080 Studies in Environmental Literature
*ENGL 5080 Ecocriticism
ENVST 5800 Sustainability In Costa Rica (IR)
FCS 5620 Environmental Psychology & Sustainability
FCS 5600 Environmental & Human Behavior
FCS 5630 Healthy Communities
GEO 1050 National Parks: Geology Behind the Scenery (SF)
*GEO 3180 Palaeoecology
*GEO 3200 Natural Disasters
*GEO 3250 Geology of Utah (SF)
GEOG 3350 Resource Conservation & Environs Management (BF)
*GEOG 3320 Geomorphology: Mountains, Rivers, Deserts (SF)
*GEOG 5350 Public Lands & Environmental Policy
HIST 4380 US Environmental History

Anthropology Minor

To complete the Anthropology Minor, a minimum of 18 semester credit hours in anthropology are required, at least 12 of which must be completed at the University of Utah.

- Required:
  - 1010 Culture and the Human Experience
  - One course from this list
  - 1020 Human Origins: Evolution and Diversity
  - 1030 World Prehistory: An Introduction
  - 1050 The Evolution of Human Nature
  - 1070 Introduction to Linguistics in Anthropology

An additional 12 hours in Anthropology are required, at least 6 of which must be upper division (3000 or above).

All courses used toward a major or minor must be taken for a letter grade and completed with a "C" grade or better, and students must have a cumulative GPA of 2.5 in anthropology courses.

A maximum of 6 credits are allowed for the following:

- 2000 level courses
- 3969 Special Topics
- 4950 Individual Research - which only count toward "Additional/Elective" area hours (these do not count toward "Topical" or "Geographical" area requirements).
ENVST Land Management, Conservation and Place with Geography Minor

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

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

ENVST 3210 Global Climate Change (SF)
*ENVST 3364 Challenges to Global Sustainability (IR)
*ENVST 3365 Environmental Justice (DV)
POLS 3322 Environmental Policy

Statistics Courses (select one)
CMP 4010 Research Methods in Urban Ecology (QI)
*GEOG 3320 Geographic Analysis (QI, QB)
*MATH 3370 Applied Statistics (QI, OB)
*POLIS 5001 Quantitative Analysis in Political Science (QI)

Writing Courses (select one)
COMM 4650 Environmental Reporting (CW)
CMP 4260 Law, & Culture (CW)
GEOG 3270 Global Patterns of Life (CW, SF)
*MGT 3810 Business & Professional Communication (CW)
WRTG 3014 Scientific Writing (CW)
WRTG 3420 Environmental Writing (CW, HF)

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

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

REQUIREMENTS FOR THE GEOGRAPHY MINOR

Students must complete a five (5) courses of Geography required coursework (see list below) plus a minimum of two (2) courses of upper division (3000 level or above) Geography elective courses.

RESIDENCY REQUIREMENT: Students must complete at least 12 credit hours in the Department of Geography at the University of Utah.

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

PROGRAM OF STUDY
REQUIRED COURSES
• GEOG 1000 - Earth Environments and Global Change (3) (SF)
• GEOG 1400 - Human Geography (3) (BF)
• GEOG 3100 – GIS & Cartography (5) (QI)

ELECTIVE/EMPHASIS COURSES (UPPER DIVISION>3000)
• GEOG 3###
• GEOG 3###
• GEOG 3###

Electives (select seven courses)
ANTH 2055 Human Ecology of Sustainability
ANTH 4186 Human Ecology (BF, SF)
ANTH 4150 Evolution of Societies and Cultures
*Biol 3100 Evolution & Diversity of Life
BIOL 2400 Principles of Wildlife Ecology & Conservation (DV)
*BIOL 3140 Ecology & Evolution
*BIOL 3450 Rain Forest Ecology & Conservation (IR, SF)
BIOL 3710 Biology, Society & Public Engagement
BIOL 3470 Conservation Biology (AS)
*BIOL 5345 Natural History of the Colorado Plateau
*BIOL 5460 Plant Ecology in a Changing World
BIOL 5710 Biology & Society
*CHEM 1210/1215 General Chemistry & Lab I (SF)
CMP 2010 Design Ecologies (BF)
CMP 3100 Urban & Environmental Planning
CMP 3200 Principles of Ecology for Planners
CMP 3390 Foresting Sustain, Scientific & Human Perspective
CMP 4710 Introduction to Transportation Planning
CMP 4390 Natural Science for Sustainability in Built Environments
COMM 5360 Environmental Communication
ECON 3250 Intro to Env. & Natural Resource Economics (BF)
*ECON 5250 Environmental & Natural Resource Economics
ENGL 2050 Literature of the American West
ENGL 5800 Studies in Environmental Literature
*ENGL 5960 Ecotourism
ENVST 5800 Sustainability in Costa Rica (IR)
FCS 3620 Environmental Psychology & Sustainability
FCS 5600 Environments & Human Behavior
FCS 5630 Healthy Communities
GEO 1050 National Parks: Geology Behind the Scenery (SF)
*GEO 3180 Paleoclimatology
*GEO 3200 Natural Disasters
*GEO 3250 Geology of Utah (SF)
GEOG 3350 Resource Conservation & Environment Management (BF)
GEOG 3200 Geomorphology: Mountains, Rivers, Deserts (SF)
*GEOG 5350 Public Lands & Environmental Policy
HIST 4380 US Environmental History
ENVST 2100 Introduction to Environmental & Sustainability Studies (BF)
* These three courses are pre-requisites for the upper division ENVST courses

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<td>PRT 3100</td>
<td>Foundations of Parks, Recreation, and Tourism</td>
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Sub-Total 3

Select one of the following:

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<td>PRT 3320</td>
<td>Programming and Leadership</td>
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<td>PRT 3207</td>
<td>PRT Management</td>
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Sub-Total 3-4

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

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

Sub-Total 12

Total 18-19
ENVST Land Management, Conservation, and Place with Urban Ecology Minor

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

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

Statistics Courses (select one)
CMP 4010 Research Methods in Urban Ecology (QI)
*GEOG 3020 Geographic Analysis (QI, QB)
*MATH 3070 Applied Statistics (QI, QB)
*POLIS 5001 Quantitative Analysis in Political Science (QI)

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

Methods Courses (select one)
BIOL 2355 Field Botany (2 cr)
*GEOG 3400 Computational & Field Meth in Applied Geology (2 cr)
*GEOG 3410 Introduction to GIS (QI)
POLS 3001 Political Analysis (QI, QB)
*ANTH 4334 Population Issues in Anthropology (QI, QB)
*PRT 3780 Program & Service Evaluation In Parks, Recreation & Tourism (QI, QB)
*GEOG 3040 Principles of Cartography (QI)
*GEOG 5712 Urban Environmental Field Methods

Electives (select seven courses)
ANTH 2055 Human Ecology of Sustainability
ANTH 4186 Human Ecology (BF, SF)
ANTH 4150 Evolution of Societies and Cultures
*BIOl 2010 Evolution & Diversity of Life
BIOl 2400 Principles of Wildlife Ecology & Conservation (DV)
*BIOl 3410 Ecology & Evolution
*BIOl 3450 Rain Forest Ecology & Conservation (IR, SF)
BIOl 3710 Biology, Society & Public Engagement
BIOl 3470 Conservation Biology (AS)
*BIOl 5345 Natural History of the Colorado Plateau
*BIOl 5460 Plant Ecology in a Changing World
BIOl 5710 Biology & Society
*CHEM 1210/1215 General Chemistry & Lab I (SF)

CMP 2010 Design Ecologies (BF)
CMP 3100 Urban & Environmental Planning
CMP 3200 Principles of Ecology for Planners

CMP 3390 Fostering Sustain. Scientific & Human Perspective
CMP 4710 Introduction to Transportation Planning
 CMP 4390 Natural Science for Sustainability in Built Environments
COMM 5360 Environmental Communication
ECON 3250 Intro to Env. & Natural Resource Economics (BF)
*ECON 5250 Environmental & Natural Resource Economics
ENGL 2050 Literature of the American West
ENGL 5080 Studies in Environmental Literature
*ENGL 5980 Ecocriticism
ENVST 4200 Sustainability in Carta Bio (BF)

CMP 4600 The Just City (3)

DES 2630 Design Contexts (3)

CMP 4010 Field Studies in Urban Ecology I (4)

CMP 3200 Ecology of Human Settlements (3)

CMP 4010 Field Studies in Urban Ecology I (4)

ELECTIVE

Select from CMP 3000 Level courses
ENVST Land Management, Conservation, and Place with Earth Science Minor

Academic Program Completion Plan for the Minor in Earth Science (19 credit hours)

A minimum overall GPA of 2.0 required.

A GPA of 2.25 in departmental required and elective courses and grades of no less than C-.

1. All of the required courses:
   - GEO 1110/1115
   - GEO 1220

2. Complete 6 credits of electives from:
   - GEO 1000
   - GEO 1010
   - GEO 1030 or 1001
   - GEO 1040
   - GEO 1050 – National Parks

1. Complete 6 credits of additional courses from:
   - GEO 3180 - Paleobiology
   - GEO 3200 – Natural Disasters
   - GEO 3250 – Geology of Utah
   - GEO 3260
   - GEO 3300
   - GEO 3400
   - GEO 3800
   - GEO 3900

*Students who have questions about the minor should book an advising appointment with the Geology Undergraduate Advisor.
ENVST Air, Water, and Health with Geography Minor

REQUIRED CLASSES

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

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

ENVST 3210 Global Climate Change (SF)
*ENVST 3364 Challenges to Global Sustainability (IR)
*ENVST 3365 Environmental Justice (DV)
POLS 5222 Environmental Policy

Statistics Courses (select one)
*ATMOS 5040 Environmental Statistics (QI)
*COMM 3710 Intro to Quantitative Comm. Research (QI)
*CMP 4010 Research Methods in Urban Ecology (QI)
*GEOG 3020 Geographic Analysis (QI, QB)
*MATH 3070 Applied Statistics (QI, QB)
*POLI 5001 Quantitative Analysis in Political Science (QI)
SOC 3112 Social Statistics (QI, QB)

Writing Courses (select one)
BIOL 5415 Ecology Laboratory (CW)
COMM 4650 Environmental Reporting (CW)
CMP 4260 Land, Law, & Culture (CW)
*MGT 3810 Business & Professional Communication (CW)
WRTNG 3014 Scientific Writing (CW)
WRTNG 3420 Environmental Writing (CW, HF)

Methods Courses (select one)
*ATMOS 5050 Environmental Instrumentation (2 cr)
BIOL 3045 Landscape Ecology of Colorado Plateau
BIOL 3480 Biography of an Urban Stream
*CMP 4450 GIS for Urban Ecologists (QI)
*GEOG 3100 GIS & Cartography (QI)
*GEOG 5190 GIS Environmental & Public Health
POLS 3001 Political Analysis (QI, QB)
SOC 3111 Research Methods

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

ELECTIVES (select seven courses)
ATMOS 3000 Prof Development in the Atmos. Sciences (1.5 cr)
*ATMOS 3100 Atmospheric Chemistry & Air Pollution (IR)
*ATMOS 5000 Intro to Atmospheric Science (QI)
ATMOS/GEOG 5260 Snow Dynamics & Avalanche Studies
*BIOI 5345 Natural History of the Colorado Plateau
*BIOGEO 5470 Stable Isotope Biochemistry and Ecology
*CHEM 1210/1215 General Chemistry & Lab I (SF)
CMP 3290 Principles of Ecology for Planners
CMP 4380 Green Communities
CMP 4710 Intro to Transportation Planning
CMP 5270 Metropolitan Regional Planning
CMP 5360 Environmental Planning: Law & Policy
COMM 3115 Communicating Health, Science, Environment
COMM 5360 Environmental Communication
ECON 3250 Intro to Natural & Resource Economics (BF)
ECON 3/5190 Health Economics
*ECON 3250 Environmental & Natural Resource Economics
ENVST 5800 Sustainability in Costa Rica (IR)
FCS 3620 Environmental Psych. & Sustainability
FCS 5630 Healthy Communities
GEO 3300 The Water Planet (SF)
*GEOG 39000 The Oceans (SF)
*GEOG 5350 Groundwater
*GEOG 3260 Geomorphology: Mountains, Rivers, Deserts (SF)
GEOG 3/5292 Snow & Ice
GEOG 3330 Urban Environmental Geography (SF)
GEOG 5385 Environmental Assessment & Impact Analysis
H EDU 3700 Environmental Health
HIST 4380 US Environmental History (HF)
*MATH 1210 Calculus I (QR)
PHIL 3110 Science & Ethics (QI)

REQUIREMENTS FOR THE GEOGRAPHY MINOR

Students must complete five (5) courses of Geography required coursework (see list below) plus a minimum of two (2) courses of upper division (3000 level or above) Geography elective courses.

RESIDENCY REQUIREMENT: Students must complete at least 12 credit hours in the Department of Geography at the University of Utah.

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

PROGRAM OF STUDY

REQUIRED COURSES

• GEOG 1000 - Earth Environments and Global Change (3) (SF)
• GEOG 1400 - Human Geography (3) (BF)
• GEOG 3100 – GIS & Cartography (5) (QI)

ELECTIVE/EMPHASIS COURSES (UPPER DIVISION>3000)

• GEOG 3####
• GEOG 3####
• GEOG 3####
ENVST Air, Water & Health with Economics Minor

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

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

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

**Statistics Courses** (select one)
- *ATMOS 5040 Environmental Statistics (QI)
- *COMM 3710 Intro to Quantitative Comm. Research (QI)
- CMP 4010 Research Methods in Urban Ecology (QI)
- *GEOG 3020 Geographic Analysis (QI, QII)
- *MATH 3070 Applied Statistics (QI, QII)
- *POLS 5001 Quantitative Analysis In Political Science (QI, QII)
- SOC 3112 Social Statistics (QI, QII)

**Writing Courses** (select one)
- BIOL 5415 Ecology Laboratory (CW)
- COMM 4450 Environmental Reporting (CW)
- CMP 4280 Land, Law, & Culture (CW)
- *MGT 3810 Business & Professional Communication (CW)
- WRTG 3014 Scientific Writing (CW)
- WRTG 3420 Environmental Writing (CW, HF)

**Methods Courses** (select one)
- *ATMOS 5050 Environmental Instrumentation (2 cr)
- BIOL 3045 Landscape Ecology of Colorado Plateau
- BIOL 3460 Biogeochemistry of an Urban Stream
- *GEOG 4450 GIS for Urban Ecologists (QII)
- *GEOG 3140 Introduction to GIS (QI)
- *GEOG 3190 GIS Environmental & Public Health
- POLS 3001 Political Analysis (QI, QII)
- SOC 3111 Research Methods

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

**CAREER OUTLOOK**
- Education: Environmental, Secondary & Post-Secondary

**ECONOMICS MINOR REQUIREMENTS**

**Graduation Requirements:**
- Maintain a minimum cumulative GPA of 2.00 in all ECON courses.
- All minor courses must be completed with a C- or better.

**Required**
- **ECON 2010** - Principles of Microeconomics, 3 Credit(s)
- **ECON 2020** - Principles of Macroeconomics, 3 Credit(s)

**History, Theory, Thought**
(Complete 1 course)
- **ECON 4010** - Intermediate Microeconomic Analysis, 3 Credit(s)
- **ECON 4020** - Intermediate Macroeconomic Analysis, 3 Credit(s)
- **ECON 5050** - Keynes on Paradox, Common Sense, Rationality and Passion, 3 Credit(s)
- **ECON 5060** - History of Economic Doctrines, 3 Credit(s)
- **ECON 5080** - Marxian Economics, 3 Credit(s)
- **ECON 5400** - Middle East Economic History, 3 Credit(s)
- **ECON 5410** - Survey of European Economic History, 3 Credit(s)
- **ECON 5420** - China and the Global Economy, 3 Credit(s)
- **ECON 5430** - Asian Economic History and Development, 3 Credit(s)
- **ECON 5460** - Latin American Economic History and Development, 3 Credit(s)
- **ECON 5470** - Industrialization and Economic Development: The American Case, 3 Credit(s)

**Electives**
Complete 9 additional hours in upper division Economics courses, not including **ECON 3905**, **ECON 3620** or **ECON 3640**.
ENVST Air, Water, and Health with Sociology Minor

Students who are interested in studying Sociology, but are not able to fulfill the requirements of the full major should consider doing a Sociology Minor. To earn a Sociology Minor, students must complete two “core” Sociology courses SOC 1010 Intro to Sociology SOC 3111 Research Methods - or - SOC 3140 Social Theory

Plus an additional 12 credit hours of Sociology electives, 9 (or 6?) of which have to be upper-division courses (3000-level or higher).

Electives:
SOC 3410 SPECIAL TOPICS—GPS (3)
SOC 3435 INEQUALITY,POWER & GLOBALIZATION (3)
SOC 3440 SOCIOLOGY OF RELIGION (3) BF
SOC 3436 GLOBAL SOCIAL STRUCTURE (3)
SOC 3446 POLITICAL SOCIOLOGY (3)
SOC 3480 ENVIRONMENTAL SOCIOLOGY (3) IR
SOC 4085 CITIES & COMMUNITIES (3) CW
SOC 3741 MIGRANTS & COMMUNITIES (3) IR
SOC 3486 GLOBAL ENVIRONMENTAL CRISIS
SOC 3422 SOCIAL MOVEMENTS
SOC 3610 SPECIAL TOPICS—POP & HEALTH (3)
SOC 3638 FAMILIES IN SOCIETY (3)
SOC 3650 POPULATION & SOCIETY (3) QB, QI, IR
SOC 3653 GLOBAL POPULATION PROBLEMS (3) IR
SOC 3671 SOCIOLOGY OF HEALTH (3)
SOC 3673 SOCIAL EPIDEMIOLOGY (3) QB, QI
SOC 3741 MIGRANTS & COMMUNITIES (3) IR
SOC 3769 DISPARITIES OF HEALTH (3) DV
SOC 4674 GLOBAL HEALTH (3) IR
ENVST 2000 Holt Experience: Environment and Sustainability
ENVST 2050 Introduction to Environmental Science (SF)
ENVST 2100 Introduction to Environmental and Sustainability Studies (BF)

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

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

POL 5322 Environmental Policy

Statistics Courses (select one)
*ATMOS 5040 Environmental Statistics (Q)
*COMM 3710 Intro to Quantitative Comm. Research (Q)
*CMP 4010 Research Methods in Urban Ecology (Q)
*GEOG 3020 Applied Statistics (Q, Q)
*POL 5001 Quantitative Analysis in Political Science (Q)
SOC 3112 Social Statistics (Q, Q)

Writing Courses (select one)
BIOL 5415 Ecology Laboratory (CW)
COMM 4650 Environmental Reporting (CW)
CMP 4260 Land, Law, & Culture (CW)
*MGT 5310 Business & Professional Communication (CW)
WRTG 3014 Scientific Writing (CW)
WRTG 3420 Environmental Writing (CW, HF)

Methods Courses (select one)
*ATMOS 5050 Environmental Instrumentation (2 cr)
BIOL 3045 Landscape Ecology of Colorado Plateau
BIOL 3480 Biogeochemistry of an Urban Stream
*CMP 4450 GIS for Urban Ecologists (Q)
*GEOG 3010 Intro to GIS (Q)
*GEOG 5190 GIS Environmental & Public Health
POL 5001 Political Analysis (Q, Q)
SOC 3112 Research Methods

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

Electives (select seven courses)
ATMOS 3000 Prof. Development in the Atmos. Sciences (1.5 cr)
*ATMOS 3100 Atmospheric Chemistry & Air Pollution (IR)
*ATMOS 5000 Intro to Atmospheric Science (Q)
ATMOS/GEOG 5260 Snow Dynamics & Avalanche Studies
*BIOL 5345 Natural History of the Colorado Plateau
*BIOL/GEOG 5470 Stable Isotope Biochemistry and Ecology
*CHEM 1210/1215 General Chemistry & Lab I (SF)
CMP 3200 Principles of Ecology for Planners
CMP 4380 Geospatial Analysis
CMP 4710 Intro to Transportation Planning
CMP 5270 Metropolitan Regional Planning
CMP 5360 Environmental Planning: Law & Policy
COMM 3115 Communicating Health, Science, Environment
COMM 5360 Environmental Communication
ECOL 3250 Intro to Natural & Resource Economics (BF)
ECOL 35190 Environmental Economics
*ECON 5250 Environmental & Natural Resource Economics
ENVST 5800 Sustainability in Costa Rica (IR)
FCS 3620 Environmental Psych. & Sustainability
FCS 5630 Healthy Communities
GEO 3300 The Water Planet (SF)
*GEO 3800 The Oceans (SF)
*GEO 5350 Groundwater
*GEOG 3200 Geomorphology: Mountains, Rivers, Deserts (SF)
GEOG 35292 Snow & Ice
GEOG 5330 Urban Environmental Geography (SF)
GEOG 5385 Environmental Assessment & Impact Analysis
H EDU 3700 Environmental Health
HIST 4280 US Environmental History (HF)
*MATH 1210 Calculus I (Q)
PHIL 3310 Science & Society (HF)
PHIL 3530 Environmental Ethics (HF)
PHIL 3550 Environmental Philosophy (HF)
PHIL 5540 Hydrotology: Water Mgt in the West
*PHYS 2010/2015 General Physics & Lab I (SF)
*PHYS 2210/2215 Physics for Scientists & Engineers & Lab I (SF)
POLS 5321 Health Policy
POLS 5510 Water Policy

Political Science Minor

The Political Science minor degree is open to any and all University of Utah students, regardless of their declared major. Before adding the minor degree, students must first have a declared major at the University of Utah.

All courses for the minor must be taken for a letter grade. The two introductory courses must receive a grade of at least C-. The overall GPA for all courses counted toward the minor must be at least a C.

- 18 Credit Hours - Political Science (POLS) Courses (must be taken for a grade)
- Overall cumulative GPA must be a minimum of 2.00
- 6 Credit Hours - Required Introductory Courses (grade must be C- or better)
- 12 Credit Hours - Upper-Division Level (3000-5999).
- Required Courses:

Choose 2 Introductory Classes

- POLS 1100 U.S. National Government (3)
- POLS 2100 Introduction to International Relations (3)
- POLS 2200 Introduction to Comparative Politics (3)
- POLS 2300 Introduction to Political Theory (3)

Upper-division Classes in Political Science 12 credit hours at 3000- to 5999-level.

A maximum of three (3) internship hours may be counted toward a degree. A minimum of nine (9) credit hours must be completed at the University of Utah.

CAREER OUTLOOK

Eductor: Environmental, Secondary & Post-Secondary City, State or Federal Regulator
Lawyer/Public Policy Specialist
Urban Planner, Environmental Consultant
# ENVST Air, Water, and Health with Earth Science Minor

## REQUIRED CLASSES
- ENVST 2000 Field Experience: Environment and Sustainability
- ENVST 2050 Introduction to Environmental Science (SI)
- ENVST 2100 Introduction to Environmental and Sustainability Studies (SI)

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

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

## EARTH SCIENCE MINOR

### Required Courses:

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<td>GEO 1220</td>
<td>Earth History</td>
<td>3</td>
<td>GEO 1110, 1115</td>
</tr>
</tbody>
</table>

### Electives: Complete 6 credit hours

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
<th>Prerequisites</th>
</tr>
</thead>
<tbody>
<tr>
<td>GEO 1000</td>
<td>Natural Disasters</td>
<td>3</td>
<td>N/A</td>
</tr>
<tr>
<td>GEO 1030</td>
<td>Earthquakes and Volcanoes</td>
<td>3</td>
<td>N/A</td>
</tr>
<tr>
<td>GEO 1001</td>
<td>Energy Resources in a Sustainable World</td>
<td>3</td>
<td>N/A</td>
</tr>
<tr>
<td>GEO 1040</td>
<td>The World of Dinosaurs</td>
<td>3</td>
<td>N/A</td>
</tr>
<tr>
<td>GEO 1050</td>
<td>National Parks: Geology Behind the Scenery</td>
<td>3</td>
<td>N/A</td>
</tr>
</tbody>
</table>

### Additional Courses: Complete 6 credit hours

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
<th>Prerequisites</th>
</tr>
</thead>
<tbody>
<tr>
<td>GEO 3800</td>
<td>The oceans</td>
<td>3</td>
<td>GEO 1010 or GEO 1110</td>
</tr>
<tr>
<td>GEO 3900</td>
<td>Undergraduate Research 1 to 3</td>
<td>1-3</td>
<td>N/A</td>
</tr>
</tbody>
</table>

*Students who have questions about the minor should book an advising appointment with the Geology Undergraduate Advisor.*
ENVST Air, Water, and Health with Urban Ecology Minor

REQUIRED CLASSES

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

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

Statistics Courses (select one)
*ATMOS 5040 Environmental Statistics (Qi)
*COMM 3710 Intro to Quantitative Comm. Research (Qi)
CMP 4010 Research Methods in Urban Ecology (Qi)
*GEOG 3200 Geographic Analysis (Qi, Q8)
*MATH 3070 Applied Statistics (Qi, Q8)
*POLS 5001 Quantitative Analysis in Political Science (Qi)
SOC 3112 Social Statistics (Qi, Q8)

Writing Courses (select one)
BIOL 5415 Ecology Laboratory (CW)
COMM 4650 Environmental Reporting (CW)
CMP 4260 Land, Law, & Culture (CW)
*MGMT 3010 Business & Professional Communication (CW)
WRIT 3014 Scientific Writing (CW)
WRITG 3420 Environmental Writing (CW, HF)

Methods Courses (select one)
*ATMOS 5050 Environmental Instrumentation (2 cr)
BIOL 3045 Landscape Ecology of Colorado Plateau
BIOL 3480 Biography of an Urban Stream
*CMP 4450 GIS for Urban Ecologists (Qi)
*GEOG 3140 Introduction to GIS (Qi)
*GEOG 5190 GIS Environmental & Public Health
POLS 3001 Political Analysis (Qi, Q8)
SOC 3111 Research Methods

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

Electives (select seven courses)
ATMOS 3800 Prof. Development in the Atmos. Sciences (1.5 cr)
*ATMOS 3100 Atmospheric Chemistry & Air Pollution (IR)
*ATMOS 5000 Intro to Atmospheric Science (Qi)
ATMOS/GEOS 5260 Snow Dynamics & Avalanche Studies
*BIOL 5345 Natural History of the Colorado Plateau
*BIOL/GEO 5470 Stable Isotope Biochemistry and Ecology
*CHEM 1210/1215 General Chemistry & Lab I (SF)

CMP 3200 Principles of Ecology for Planners

CMP 4380 Green Communities
CMP 4710 Intro to Transportation Planning
CMP 5270 Metropolitan Regional Planning
CMP 5360 Environmental Planning: Law & Policy
COMM 3115 Communicating Health, Science, Environment
COMM 5360 Environmental Communication
ECON 3250 Intro to Natural & Resource Economics (BF)
ECON 3/5190 Health Economics
*ECON 5250 Environmental & Natural Resource Economics
ENVST 5800 Sustainability in Costa Rica (IR)
FCS 3620 Environmental Psych. & Sustainability
FCS 5630 Healthy Communities
GEO 3300 The Water Planet (SF)
*GEO 3800 The Oceans (SF)
*GEO 5350 Groundwater
*GEOG 3200 Geomorphology: Mountains, Rivers, Deserts (SF)
GEOG 3/5292 Snow & Ice
GEOG 3330 Urban Environmental Geography (SF)
GEOG 5385 Environmental Assessment & Impact Analysis
H EDU 3700 Environmental Health
HIST 4380 US Environmental History (HF)
*MATH 1210 Calculus I (QR)
PHIL 3310 Science & Society (HF)

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

(ELECTIVE)
Select from CMP 3000 Level courses
ENVST Air, Water and Health with Philosophy Minor

REQUIRED CLASSES
ENVST 2000 Fold Experience: Environment and Sustainability
ENVST 2050 Introduction to Environmental Science (SF)
ENVST 2100 Introduction to Environmental and Sustainability Studies (BF)
These three courses are pre-requisites for the upper division ENVST courses.
ENVST 3210 Global Climate Change (SF)
*ENVST 3364 Challenges to Global Sustainability (IR)
*ENVST 3365 Environmental Justice (DV)
POLS 5322 Environmental Policy

Statistics Courses (select one)
*ATMOS 5040 Environmental Statistics (Q)
*COMM 3710 Intro to Quantitative Comm. Research (Q)
*CMP 4010 Research Methods in Urban Ecology (Q)
*GEOG 3020 Geographic Analysts (Q, QI)
*MATH 3070 Applied Statistics (Q, QI)
POLS 5001 Quantitative Analysis in Political Science (QI)
SOC 3112 Social Statistics (Q, QI)

Writing Courses (select one)
BIOE 5415 Ecology Laboratory (CW)
COMM 4650 Environmental Reporting (CW)
CIVL 4260 Land, Law, & Culture (CW)
*MGT 3810 Business & Professional Communication (CW)
WRTG 3014 Scientific Writing (CW)
WRTG 3420 Environmental Writing (CW, HF)

Methods Courses (select one)
*ATMOS 5050 Environmental Instrumentation (2 cr)
BIOE 3045 Landscape Ecology of Colorado Plateau
BIOE 3480 Biograpy of an Urban Stream
*CMP 4450 GIS for Urban Ecologists (Q)
*GEOG 3140 Introduction to GIS (QI)
*GEOG 5190 GIS & Environmental Public Health
POLS 3001 Political Analysis (Q, QI)
SOC 3111 Research Methods

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

CAREER OUTLOOK
Education: Environmental, Secondary & Post-Secondary
civil, state or federal regulator

PHILOSOPHY MINOR REQUIREMENTS:

I Ethics and Value Theory
Electives (select seven courses)
ATMOS 3000 Prof Development in the Atmos. Sciences (1.5 cr)
*ATMOS 3100 Atmospheric Chemistry & Air Pollution (IR)
*ATMOS 5000 Intro to Atmospheric Science (QI)
ATMOS/GEOG 5250 Snow Dynamics & Avalanche Studies
*BIOL 2545 Natural History of the Colorado Plateau
*BIOL/GEOG 5470 Stable Isotope Biochemistry and Ecology
*CHEM 1210/1215 General Chemistry & Lab I (SF)
CIVL 3200 Principles of Ecology for Planners
CIVL 4380 Green Communities
CIVL 4710 Intro to Transportation Planning
CIVL 5270 Regional Planning
CIVL 5360 Environmental Planning: Law & Policy
COMM 3115 Communicating Health, Science, Environment
COMM 5360 Environmental Communication
ECON 3250 Intro to Natural & Resource Economics (BF)
ECON 3/5190 Health Economics
*ECON 5250 Environmental & Natural Resource Economics
ENVS 5400 Sustainability in Costa Rica (IR)
FCS 3620 Environmental Psych. & Sustainability
FCS 5430 Healthy Communities
*GEOG 3300 The Water Planet (SF)
*GEOG 3800 The Oceans (SF)
*GEOG 5350 Groundwater
*GEOG 3200 Geomorphology: Mountains, Rivers, Deserts (SF)
GEOG 3/5292 Snow & Ice
GEOG 3330 Urban Environmental Geography (SF)
GEOG 5385 Environmental Assessment & Impact Analysis
H EDU 3700 Environmental Health
HIST 4/3800 US Environmental History (HF)
*MATH 1240 Calculus I (QI)
PHIL 3310 Science & Society (HF)
PHIL 3530 Environmental Ethics (HF)
PHIL 5530 Environmental Philosophy (HF)
PHIL 5540 Hydrotopia: Water Mpt in the West
*PHYS 2010/2015 General Physics & Lab (SF)
*PHYS 2210/2215 Physics for Scientists & Engineers & Lab I (SF)

II Metaphysics and Epistemology
Electives (select two courses)
One course
One course

III History of Philosophy
Electives (select two courses)
One course
One course

IV Logic and Formal Methods
Electives (select two courses)
One course
One course

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

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

REQUIRED CLASSES

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

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

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

**Statistics Courses (select one)**
**ATMOS 5040 Atmospheric Environmental Statistics (QI)**
**COMM 3710 Intro to Quantitative Comm, Research (QI)**
**CMP 4010 Research Methods in Urban Ecology (QI)**
**GEOG 3020 Geographic Analysis (QI, QB)**
**MATH 3070 Applied Statistics (QI, QB)**
**POLS 5001 Quantitative Analysis In Political Science (QI)**
**SOCI 3112 Social Statistics (QI, QB)**

**Writing Courses (select one)**
**Biol 5415 Ecology Laboratory (CW)**
**COMM 4650 Environmental Reporting (CW)**
**CMP 4260 Land, Law, & Culture (CW)**
**MGT 3810 Business & Professional Communication (CW)**
**WRTG 3014 Scientific Writing (CW)**
**WRTG 3420 Environmental Writing (CW, HF)**

**Methods Courses (select one)**
**ATMOS 5050 Environmental Instrumentation (2 cr)**
**Biol 3045 Landscape Ecology of Colorado Plateau**
**Biol 3460 Biology of an Urban Stream**
**CMP 4450 GIS for Urban Ecologists (QI)**
**GEOG 3140 Introduction to GIS (QI)**
**GEOG 5190 GIS Environmental & Public Health**
**POLS 3001 Political Analysis (QI, QB)**
**SOCI 3111 Research Methods**

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**Atmospheric Sciences Minor**

The Atmospheric Sciences minor provides students with an introduction to the impacts of the atmosphere upon society. A minor in Atmospheric Sciences provides a way to diversify a student's background and apply fundamental scientific principles in an interdisciplinary way.

**Requirements**

Students must complete six required courses in the department, which should be selected in consultation with an Atmospheric Sciences advisor.

Students who have not taken Calculus may choose from the courses in the table below.

All Atmospheric Sciences courses must be passed with a letter grade of C- or higher.

- **ATMOS 1010** Severe and Unusual Weather (3) (SF)
- **ATMOS 1020** Climate Change (3) (SF)
- **ATMOS 3000** Professional Development in the Atmospheric Sciences (1.5 cr)
- **ATMOS 3100** Atmospheric Chemistry & Air Pollution (IR)
- **ATMOS 3500** Intro to Atmospheric Science (QI)
- **ATMOS 5260** Snow Dynamics and Avalanche Studies
- **BIOL 5345** Natural History of the Colorado Plateau
- **BIOL/GEOL 5470** Stable Isotope Biochemistry and Ecology
- **CHEM 1210/1215** General Chemistry & Lab I (SF)
- **CMP 3200** Principles of Ecology for Planners
- **CMP 4300** Green Communities
- **CMP 4710** Intro to Transportation Planning
- **CMP 5270** Metropolitan Regional Planning
- **CMP 5360** Environmental Planning: Law & Policy
- **COMM 3115** Communicating Health, Science, Environment
- **COMM 5360** Environmental Communication
- **ECON 3250** Intro to Natural & Resource Economics (BF)
- **ECON 35190** Health Economics
- **ECON 5250** Environmental & Natural Resource Economics
- **ENVST 5800** Sustainability In Costa Rica (IR)
- **FCS 3620** Environmental Psych. & Sustainability
- **FCS 5630** Healthy Communities
- **GEOG 3300** The Water Planet (SF)
- **GEOG 3800** The Oceans (SF)
- **GEOG 5350** Groundwater
- **GEOG 5320** Geomorphology: Mountains, Rivers, Deserts (SF)
- **GEOG 53292** Snow & Ice
- **GEOG 5330** Urban Environmental Geography (SF)
- **GEOG 5385** Environmental Assessment & Impact Analysis

*Students who have questions about the minor should book an advising appointment with the Atmospheric Sciences Undergraduate Advisor*
ENVST Climate & Energy with Geography Minor

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

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

ENVST 3210 Global Climate Change (SF)
*ENVST 3264 Challenges to Global Sustainability (R)
*ENVST 3365 Environmental Justice (DV)
POLS 5322 Environmental Policy

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

Writing Courses (select one)
COMM 4650 Environmental Reporting (CW)
CMP 4260 Land, Law, & Culture (CW)
*MGT 3810 Business & Professional Communication (CW)
WRTG 3014 Scientific Writing (CW)
WRTG 3420 Environmental Writing (CW, HF)

Methods Courses (select one)
*ATMOS 5050 Environmental Instrumentation (2 cr)
*CMP 4450 GIS for Urban Ecologists (QI)
*ECON 4650 Econometrics (QI)
*GEOG 5100 GIS & Cartography (QI)
*GEOG 5100 GIS Environmental & Public Health
POL 3001 Political Analysis (QI, QB)
SOC 3111 Research Methods

To Be Completed In Your Last Year
*ENVST 4800 Environmental & Sustainability Studies Internship
*ENVST 5544 Current Issues in Climate & Energy

REQUIRED COURSES

Electives (select seven courses)
ANTH 4186 Human Ecology (BF, SF)
ATMOS 3200/GEOG 3280 Mountain Weather & Climate
*ATMOS 5000 Introduction to Atmospheric Science (QI)
*ATMOS 5140 Physical Meteorology II: Atmos. Radiation (1.5 cr)
*ATMOS 5270 Wind Power Meteorology (1.5 cr)
*ATMOS 5400 The Climate System
BIOL 5480 Urban Ecology
*CHEM 1210/1215 General Chemistry & Lab I (SF)
CHEM 5640 Material Chemistry for Alternative Energy (2 cr)
CMP 4710 Intro to Transportation Planning
CMP 5360 Environmental Planning: Law & Policy
COMM 3115 Communicating Health, Science, Environment
COMM 5360 Environmental Communication
COMM 5365 Communicating Climate Change
*ECON 5250 Environmental & Natural Resource Economics
ECON 2560 Energy Policy Options for Utah
ENVST 5800 Sustainability in Costa Rica (BF)
FCS 3620 Environmental Psych & Sustainability
FCS 5450 Nonprofit Community Organizations
*GEOG 3800 The Oceans (SF)
*GEOG 5215 Climate Change & Its Impacts
GEOG 5368 Energy Choices for 21st Century (SF)
GEOG 5205 Regional and Global Climates (SF)
*GEOG 5275 Vegetation & Climate Change
GEOG 5410 Paleoclimatology
HEDU 3700 Environmental Health
HIST 3480 US Environmental History (HF)
*MATH 1210 Calculus I (QR)
*MATH 1220 Calculus II (QR)
PHIL 3310 Science & Society (HF)

REQUIREMENTS FOR THE GEOGRAPHY MINOR

ELECTIVE/EMPHASIS COURSES (UPPER DIVISION>3000)

* GEOG 3####
* GEOG 3####
* GEOG 3####

* Indicates courses are upper division and require prior completion of prerequisites.
ENVST Climate & Energy and Geography Climate Change Certificate

REQUIRED CLASSES

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

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

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

Writing Courses (select one)
COMM 4650 Environmental Reporting (CW)
CMP 4260 Law, Law, & Culture (CW)
*MG 3810 Business & Professional Communication (CW)
WRGT 3014 Scientific Writing (CW)
WRGT 3420 Environmental Writing (CW, HF)

Methods Courses (select one)
*ATMOS 5050 Environmental Instrumentation (2 cr)
*CMP 4450 GIS for Urban Ecologists (Q2)
*ECON 4650 Econometrics (Q)
*GEOG 3140 Introduction to GIS (QI)
*GEOG 5190 GIS Environmental & Public Health
POLS 3001 Political Analysis (Q), (QB)
SOC 3111 Research Methods

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

CAREER OUTLOOK
Educator: Secondary & Post-Secondary

GEOMETRY CLIMATE CHANGE CERTIFICATE

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

Required
- ATMOS 5400 The Climate System 3
- OR
- GEOG 5205 Regional and Global Climates 3
- GEOG 5210 Global Climate Change 3
- GEOG 5215 Climate Change and Its Impacts 3
Sub-Total 9

3 Elective Courses
- ATMOS 3100 Atmospheric Chemistry & Air Pollution 3
- ATMOS 3200 Mountain Weather and Climate 3
- BIOI 3440/3460 Global Change Ecology/ Global Issues 3
- BIOI 5440 Urban Ecology 3
- BIOI 5490 Ecosystem Ecology 3
- ENVST 3365 Environmental Justice 3
- GEO 3300 Water Planet 3
- GEOG 5090 Medical Geography 3
- GEOG 5270 Biogeography: Global Patterns of Life 4
- GEOG 5275 Vegetation and Climate Change 3
- GEOG 5410 Paleoclimatology 3
- GEOG 5460 Popular Literature on Climate Change 3
Sub-Total (minimum) 9

Certificate Total 18-19 credits
ENVST Climate & Energy and Geography Hazards & Emergency Management Certificate

REQUIRED CLASSES

- ENVST 2000 Field Experience: Environment and Sustainability
- ENVST 2050 Introduction to Environmental Science (SF)
- ENVST 2100 Introduction to Environmental & Sustainability Studies (BF)
  These three courses are pre-requisites for the division ENVST courses
- ENVST 3210 Global Climate Change (SF)
- *ENVST 3364 Challenges to Global Sustainability (IF)
- *ENVST 3355 Environmental Justice (DV)
- POLS 5322 Environmental Policy

Statistics Courses (select one)
- *ATMOS 5040 Environmental Statistics (QI)
- *COMM 3710 Intro to Quantitative Comm. Research (QI)
- CMP 3010 Research Methods in Urban Ecology (QF)
- *ECON 3640 Probability & Statistics for Economists (QR)
- *GEOG 3020 Geographic Analysis (QI, QF)
- *MATH 3070 Applied Statistics (QI, QF)
- *POLS 5001 Quantitative Analysis in Political Science (QI)
- SOC 3112 Social Statistics (QI, QF)

writing Courses (select one)
- COMM 4650 Environmental Reporting (CW)
- CMP 4260 Land, Law, & Culture (CW)
- *MGT 3810 Business & Professional Communication (CW)
- WRTG 3014 Scientific Writing (CW)
- WRTG 3420 Environmental Writing (CW, HF)

Methods Courses (select one)
- *ATMOS 5050 Environmental Instrumentation (2 cr)
- *CMP 4560 GIS for Urban Ecologists (QI)
- *ECON 4660 Econometrics (QI)
- *GEOG 5140 Introduction to GIS (QI)
- *GEOG 5190 GIS for Environmental & Public Health
- POLS 3001 Political Analysis (QI, QF)
- SOC 3111 Research Methods

To Be Completed in Your Last Year
- *ENVST 4860 Environmental & Sustainability Studies Internship
- *ENVST 5554 Capstone: Climate & Energy

CAREER OUTLOOK
Educational, Scientific & Proficiency

GEOGRAPHY HAZARDS & EMERGENCY MANAGEMENT CERTIFICATE

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

Required
- GEO 1000 Natural Disasters 3
- or GEOG 3310 Introduction to Natural Hazards 3
- GEOG 3320 Geography of Terrorism & Security 3
- GEOG 3340 Geography of Disasters & Emergency Mgt 3

Sub-Total 9

Substantive Electives (select 2)
- ATMOS 1010 Severe and Unusual Weather 3
- FCS 3620 Environment and Behavior 3
- GEO 1030 Earthquakes and Volcanoes 3
- GEO 5170 GeoHazards & Engineering Geomorphology 3
- GEOG 5215 Climate Change Impacts 3
- GEOG 5230 Pyrogeography 3
- HEDU 2720 Emergency Medical Response 3
- PSY 3171 Human Factors 3
- POLS 5965 Crisis Management 3
- SOC 3569 Terrorism, Violence and Aggression 3

Sub-Total6

Technical Electives (select 1)
- GEOG 3140 Intro to Geographic Information Systems (GIS) 4
- GEOG 3110 Earth from Space: Remote Sensing of the Environment 3

Sub-Total (minimum) 3-4

Certificate Total 18-19 credits
ENVST Climate & Energy with Economics Minor

REQUIRED CLASSES

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

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

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

Statistics Courses (select one)
*ATMOS 5040 Environmental Statistics (Q)
*COMM 3710 Intro to Quantitative Comm. Research (Q)
*ECON 3640 Probability & Statistics for Economists (QR)
*MATH 3070 Applied Statistics (Q, QI)
*POL 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)
*MGT 3810 Business & Professional Communication (CW)
WRTG 3014 Scientific Writing (CW)
WRTG 3420 Environmental Writing (CW, HF)

Methods Courses (select one)
*ATMOS 5050 Environmental Instrumentation (2 cr)
*CMP 4450 GIS for Urban Ecologists (QI)
*ECON 4650 Econometrics (QI)
*GEOG 3140 Introduction to GIS (QI)
*GEOG 5190 GIS Environmental & Public Health
POL 3001 Political Analysis (Q, QI)
SOC 3112 Research Methods

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

ECONOMICS MINOR REQUIREMENTS

Graduation Requirements:
• Maintain a minimum cumulative GPA of 2.00 in all ECON courses.
• All minor courses must be completed with a C- or better.

Required
• ECON 2010 - Principles of Microeconomics 3 Credit(s)
• ECON 2020 - Principles of Macroeconomics 3 Credit(s)

History, Theory, Thought
(Complete 1 course)
• ECON 4010 - Intermediate Microeconomic Analysis 3 Credit(s)
• ECON 4020 - Intermediate Macroeconomic Analysis 3 Credit(s)
• ECON 5050 - Keynes on Paradox, Common Sense, Rationality and Passion 3 Credit(s)
• ECON 5060 - History of Economic Doctrines 3 Credit(s)
• ECON 5080 - Marxian Economics 3 Credit(s)
• ECON 5400 - Middle East Economic History 3 Credit(s)
• ECON 5410 - Survey of European Economic History 3 Credit(s)
• ECON 5420 - China and the Global Economy 3 Credit(s)
• ECON 5430 - Asian Economic History and Development 3 Credit(s)
• ECON 5460 - Latin American Economic History and Development 3 Credit(s)
• ECON 5470 - Industrialization and Economic Development: The American Case 3 Credit(s)

Electives
Complete 9 additional hours in upper division Economics courses, not including ECON 3905, ECON 3620 or ECON 3640.
The Atmospheric Sciences minor provides students with an introduction to the impacts of the atmosphere upon society. A minor in Atmospheric Sciences provides a way to diversify a student's background and apply fundamental scientific principles in an interdisciplinary way.

**Requirements**

Students must complete **six required courses in the department**, which should be selected in consultation with an Atmospheric Sciences advisor.

Students who have not taken Calculus may choose from the courses in the table below.

All Atmospheric Sciences courses must be passed with a letter grade of C- or higher.

- ATMOS 1010* Severe and Unusual Weather (3) (SF)
- ATMOS 1020* Climate Change (3) (SF)
- ATMOS 3200/GEOG 3206 Mountain Weather & Climate (3)
- ATMOS 5140 Physical Meteorology & Atmos. Radiation (1.5 cr)
- ATMOS 5270 Wind Power Meteorology (1.5 cr)
- ATMOS 5400 The Climate System

*Students who have questions about the minor should book an advising appointment with the Atmospheric Sciences Undergraduate Advisor.
ENVST Climate & Energy with Urban Ecology Minor

REQUIRED CLASSES

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

ENVST 3210 Global Climate Change (SF)
* ENVST 3364 Challenges to Global Sustainability (IR)
* ENVST 3365 Environmental Justice (DV)
POLS 5332 Environmental Policy

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

Writing Courses (select one)
* COMM 4650 Environmental Reporting (CW)
* CMP 4260 Law, Legal, & Culture (CW)
* MGT 3810 Business & Professional Communication (CW)
* WRTG 3014 Scientific Writing (CW)
* WRTG 3420 Environmental Writing (CW, HFW)

Methods Courses (select one)
* ATMOS 5650 Environmental Instrumentation (2 cr)
* CMP 4450 GIS for Urban Ecologists (QI)
* ECON 4650 Econometrics (QI)
* GEOG 3140 Introduction to GIS (QI)
* GEOG 5100 GIS Environmental & Public Health
* POLS 3001 Political Analysis (QI, QB)
* SOC 3111 Research Methods

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

Electives (select seven courses)
ANTH 4186 Human Ecology (BF, SF)
ATMOS 3200/GEOG 3280 Mountain Weather & Climate
* ATMOS 5300 Introduction to Atmospheric Science (QI)
* ATMOS 5140 Physical Meteorology II: Atmospheric Radiation (1.5 cr)
* ATMOS 5270 Wind Power Meteorology (1.5 cr)
* ATMOS 5400 The Climate System
BIOL 5440 Urban Ecology
* CHEM 1210/1215 General Chemistry & Lab I (SF)
CHEM 5640 Material Chemistry for Alternative Energy (2 cr)
* CMP 4710 Intro to Transportation Planning,
* CMP 5360 Environmental Planning, Law & Policy,
COMM 5365 Communicating Health, Science, Environment
* COMM 5365 Communicating Climate Change
* ECON 5250 Environmental & Natural Resource Economics
ECON 5260 Energy Policy Options for Utah
ENVST 5800 Sustainability in Costa Rica (IR)
FCS 3620 Environmental Psych & Sustainability
FCS 5450 Nonprofit Community Organizations
* GEG 3890 The Oceans (SF)
* GEOG 3215 Climate Change & Its Impacts
GEOG 3368 Energy Choices for 21st Century (SF)
GEOG 5205 Regional and Global Climates (SF)
* GEOG 5275 Vegetation & Climate Change
GEOG 5410 Palaeoclimatology
H EDU 3700 Environmental Health
HIST 3800 World Environmental History (HF)
* MATH 1210 Calculus I (QR)
* MATH 2210 Calculus II (QR)
PHIL 3310 Science & Society (HF)
PHIL 3530 Environmental Ethics (HF)

CMP 2010 Design Ecologies (3)
CMP 3200 Ecology of Human Settlements (3)
CMP 4600 The Just City (3)

DES 2630 Design Contexts (3)

CMP 4010 Field Studies in Urban Ecology I (4)

ELECTIVE
Select from CMP 3000 Level courses
ENVST Climate & Energy with Mathematics Minor

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

These three courses are pre-requisites for the upper division ENVST courses
ENVST 3210 Global Climate Change (SF)
*ENVST 3364 Challenges to Global Sustainability (IR)
*ENVST 3365 Environmental Justice (DV)

POLS 5322 Environmental Policy

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

Writing Courses (select one)
COMM 4650 Environmental Reporting (CW)
CMP 4260 Land, Law, & Culture (CW)
*MGT 3810 Business & Professional Communication (CW)
WRTG 3014 Scientific Writing (CW)
WRTG 3420 Environmental Writing (CW, HF)

Electives Courses (select one)
*ATMOS 5050 Environmental Instrumentation (2 cr)
*CMP 4450 GIS for Urban Ecologists (QI)
*ECON 4650 Econometrics (QI)
*GEOG 3140 Introduction to GIS (QI)
*GEOG 5190 GIS Environmental & Public Health
POLS 3001 Political Analysis (QI, QR)
SOC 3111 Research Methods

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

MATHEMATICS MINOR REQUIREMENTS

Minimum Minor Hours: 26
Graduation Requirement
All courses must be completed with a grade of C or better.

Required Courses
Please see the Undergraduate Advisor regarding substitution of courses from the engineering math sequence.
• MATH 1250 - Calculus for AP Students I 4 Credit(s)
• MATH 1260 - Calculus for AP Students II 4 Credit(s)
• or
  • MATH 1210 - Calculus I 4 Credit(s)
  • MATH 1220 - Calculus II 4 Credit(s)
  • MATH 2210 - Calculus III 3 Credit(s)

Elective Courses
Select three other Mathematics courses with a prerequisite of at least Calculus II. Please have your choices approved by the Undergraduate Advisor. One elective must be either MATH 2200 (recommended) or MATH 2270 or MATH 2250 in order to satisfy prerequisites for Foundations of Analysis.

Electives (select seven courses)
ANTH 4186 Human Ecology (BF, SF)
ATMOS 3200/GEOS 3280 Mountain Weather & Climate
*ATMOS 5000 Introduction to Atmospheric Science (QI)
*ATMOS 5140 Physical Meteorology II Atmos. Radiation (1.5 cr)
*ATMOS 5270 Wind Power Meteorology (1.5 cr)
*ATMOS 5400 The Climate System
BIOL 5440 Urban Ecology
*CHEM 1210/1215 General Chemistry & Lab I (SF)
CHEM 5640 Material Chemistry for Alternative Energy (2 cr)
CMP 4710 Intro to Transportation Planning
CMP 5360 Environmental Planning: Law & Policy
COMM 3115 Communicating Health, Science, Environment
COMM 5360 Environmental Communication
COMM 5365 Communicating Climate Change
*ECON 5250 Environmental & Natural Resource Economics
ECON 5260 Energy Policy Options for Utah
ENVST 5800 Sustainability in Costa Rica (IR)
FCS 3620 Environmental Psych & Sustainability
FCS 5400 Nonprofit Community Organizations
*GEOL 3800 The Oceans (SF)
*GEOG 3215 Climate Change & Its Impacts
GEOG 3308 Energy Choices for 21st Century (SF)
GEOG 5205 Regional and Global Climatlos (SF)
*GEOG 5275 Vegetation & Climate Change
GEOG 5410 Paleoclimatology
HEDU 3700 Environmental Health
HIST 4350 US Environmental History (HF)
*MATH 1210 Calculus I (QR)
*MATH 1220 Calculus II (QR)
PHIL 3310 Science & Society (HF)
PHIL 3530 Environmental Ethics (HF)
ENVST Food Systems and Community Resilience with Anthropology Minor

REQUIRED CLASSES
ENVST 2000 Field Experience: Environment and Sustainability
ENVST 2050 Introduction to Environmental Science (SF)
ENVST 2100 Introduction to Environmental & Sustainability Studies (BF)
These three courses are pre-requisites for the upper division ENVST courses
ENVST 3210 Global Climate Change (SF)
*ENVST 3364 Challenges to Global Sustainability (IR)
*ENVST 3365 Environmental Justice (DV)
POLS 3222 Environmental Policy

Statistics Courses (select one)
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)
*GEG 3020 Geographic Analysis (QI, QB)
*MATH 3070 Applied Statistics (QI, QB)
*POLIS 5001 Quantitative Analysis in Political Science (QI)
SOC 3112 Social Statistics (QI, QB)

Writing Courses (select one)
BIOL 3670 Science Comm. for Future Generations (CW)
COMM 4650 Environmental Reporting (CW)
CMP 4260 Land, Law, and Culture (CW)
*MGT 3810 Business and Professional Communication (CW)
WRTG 3420 Environmental Writing (CW and HF)

Methods Courses (select one)
ANTH 4334 Population Issues in Anthropology (QI, QB)
*GEG 4540 GIS for Urban Ecologists (QI)
FCS 3200 Research Methods in Family & Consumer Studies
*GEG 3140 Introduction to GIS (QI)
*GEG 5190 GIS Environmental & Public Health
POLS 3001 Political Analysis (QI, QB)
SOC 3111 Research Methods

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

Anthropology Minor

To complete the Anthropology Minor, a minimum of 18 semester credit hours in anthropology are required, at least 12 of which must be completed at the University of Utah.

- **Required:**
  1010 Culture and the Human Experience
- **One course from this list:**
  1020 Human Origins: Evolution and Diversity
  1030 World Prehistory: An Introduction
  1050 The Evolution of Human Nature
  1070 Introduction to Linguistics in Anthropology
- **An additional 12 hours in Anthropology are required, at least 6 of which must be upper division (3000 or above).**

All courses used toward a major or minor must be taken for a letter grade and completed with a "C" grade or better, and students must have a cumulative GPA of 2.5 in anthropology courses.

A maximum of 6 credits are allowed for the following:
- 2000 level courses
- 3969 Special Topics
- 4950 Individual Research - which only count toward "Additional/Elective" area hours (these do not count toward "Topical" or "Geographical" area requirements).
**ENVST Food Systems and Community Resilience with Nutrition Minor**

**REQUIRED CLASSES**
- **ENVST 2000 Field Experience: Environment and Sustainability**
- **ENVST 2050 Introduction to Environmental Science (SF)**
- **ENVST 2100 Introduction to Environmental & Sustainability Studies (IR)**

These three courses are prerequisites for the upper division ENVST courses.

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

* **ENVST 3364 Challenges to Global Sustainability (IR)**
* **ENVST 3565 Environmental Justice (DV)**
* **POL S 3222 Environmental Policy**

**Statistics Courses** (select one)
- **COMM 3710 Intro to Quantitative Comm. Research (Q)**
- **CMP 4010 Research Methods in Urban Ecology (Q)**
- **FC S 3219 Statistics in Family & Consumer Studies (Q, Q)**
- **GEOG 3020 Geospatial Analysis (Q, Q)**
- **MATH 3070 Applied Statistics (Q, Q)**
- **POL S 3901 Quantitative Analysis in Political Science (Q)**
- **SOC 3112 Social Statistics (Q, Q)**

**Writing Courses** (select one)
- **BIOL 3670 Science Comm. for Future Generations (CW)**
- **COMM 4650 Environmental Reporting (CW)**
- **CMP 4260 Law, Law, and Culture (CW)**
- **MGMT 3810 Business and Professional Communication (CW)**
- **WRTG 3420 Environmental Writing (CW and HF)**

**Methods Courses** (select one)
- **ANTH 4334 Population Issues in Anthropology (Q, Q)**
- **CMP 4560 GIS for Urban Ecologists (Q)**
- **FC S 3260 Research Methods in Family & Consumer Studies**
- **GEOG 3140 Introduction to GIS (Q)**
- **GEOG 5190 GIS Environmental & Public Health**
- **POL S 3001 Political Analysis (Q, Q)**
- **SOC 3111 Research Methods**

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

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**CAREER OUTLOOK**
- Educator: Environmental, Secondary & Post-Secondary

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**Nutrition Minor**

Before declaring a Nutrition minor, students must successfully complete **BIOL 1210** (or AP Biology) with a C or better.

**Core courses:**
- **NUTR 1020 Scientific Foundations of Nutrition & Health (3)**
- **NUTR 4440 Advanced Human Nutrition (4)**

**Electives** (select seven courses)
- **ANTH 4130 The Anthropology of Food**
- **ANTH 4156 The Evolution of the Human Diet**
- **ANTH 4140 Paleoethnobotany**
- **BIOL 1210 General Biology (SF)**
- **BIOL 1330 Plants & Society (AS)**
- **CHEM 1020 The Science of Food & Cooking (SF)**
- **CHEM 1210/1215 General Chemistry & Lab I (SF)**
- **CMP 2010 Design Ecologies (IR)**
- **CMP 2200 Principles of Ecology for Planners**
- **CMP 4030 Leadership in Community Engagement**
- **COMM 3415 Intro to Cultural Studies**
- **COMM 3435 Community Journalism**
- **COMM 5360 Environmental Communication**
- **ENVST 2280 Organic Gardening (AS)**
- **ENVST 5860 Sustainability in Costa Rica (IR)**
- **FC S 3620 Environmental Psychology & Sustainability**
- **FC S 5450 Nonprofit Community Organizations**
- **FC S 5530 Healthy Communities**
- **HEDU 4180 Community-Based Prevention Practices in Health Promotion & Education**
- **NUTR 1020 Scientific Foundations of Nutrition & Health (AS)**
- **NUTR 2220 Food Communication (BF)**
- **NUTR 3220 Cultural Aspects of Food (BF)**
- **PHIL 3310 Science & Society (HF)**
- **PHIL 3530 Environmental Ethics (HF)**
- **PHIL 3530 Environmental Philosophy (HF)**
- **POL S 3026 Civic Engagement & Social Change**
- **POL S 3320 Intro to Public Policy Analysis**
- **POLS 2121 Health Policy**
- **PSY 2410 Eat, Work, Play, Sleep – Psychology of Everyday Life**
- **SOC 3480 Environmental Sociology (IR)**
- **SOC 4466 Global Environmental Crisis**
- **SOC 4550 Population & Society (Q, Q, IR)**
- **SOC 4686 Cities and Communities**

*Students who have questions about the minor should book an advising appointment with the NUTR undergraduate advisor.*
ENVST Food Systems and Community Resilience with Consumer & Community Studies Minor

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

ENVST 3210 Global Climate Change (SF)
* ENVST 3364 Challenges to Global Sustainability (IR)
* ENVST 3365 Environmental Justice (DV)
POLS 3322 Environmental Policy

Statistics Courses (select one)
* COMM 3710 Intro to Quantitative Comm. Research (QH)
* CMP 4010 Research Methods in Urban Ecology (QH)
FCS 3210 Statistics in Family & Consumer Studies (Q, QB)
* GEOG 3020 Geographic Analysis (Q, QB)
* MATH 3070 Applied Statistics (Q, QB)
* POLS 5001 Quantitative Analysis in Political Science (Q, QB)
SOC 3112 Social Statistics (Q, QB)

Writing Courses (select one)
BIOL 3670 Science Comm. for Future Generations (CW)
COMM 4650 Environmental Reporting (CW)
CMP 4260 Land, Law, and Culture (CW)
* MGT 3810 Business and Professional Communication (CW)
WRITG 3420 Environmental Writing (CW and HF)

Methods Courses (select one)
ANTH 4434 Population Issues in Anthropology (Q, QB)
* BMP 4450 GIS for Urban Ecologists (QB)
FCS 3290 Research Methods in Family & Consumer Studies
* GEOG 3140 Introduction to GIS (QH)
* GEOG 5190 GIS Environmental & Public Health
POL S 3011 Political Analysis (Q, QB)
SOC 3111 Research Methods

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 4130 The Anthropology of Food
ANTH 4156 The Evolution of the Human Diet
ANTH 4340 Paleoethnobotany
BIOL 1210 General Biology (SF)
BIOL 1330 Plants & Society (AS)
CHEM 1020 The Science of Food & Cooking (BF)
CHEM 1210/1215 General Chemistry & Lab (SF)
CMP 2010 Design Ecologies (BF)
CMP 3200 Principles of Ecology for Planners
CMP 3030 Leadership in Community Engagement
COMM 3415 Intro to Cultural Studies
COMM 3635 Community Journalism
COMM 5360 Environmental Communication
ENVST 3280 Organic Gardening (AS)
ENVST 5800 Sustainability in Costa Rica (IB)
FCS 3620 Environmental Psychology & Sustainability
FCS 4540 Nonprofit Community Organizations
FCS 5680 Healthy Communities
HEDU 4180 Community-Based Prevention Practices in Health Promotion & Education
NUTR 1020 Scientific Foundations of Human Nutr. & Health (AS)
NUTR 3220 Food Communication (BF)
NUTR 3620 Cultural Aspects of Food (IR)
PHIL 3310 Science & Society (HF)
PHIL 3530 Environmental Ethics (HF)
PHIL 5530 Environmental Philosophy (HF)
POL S 3026 Civic Engagement & Social Change
POL S 3320 Intro to Public Policy Analysis
POL S 5211 Health Policy
PSY 2410 Eat, Work, Play – Psychology of Everyday Life
SOC 3460 Environmental Sociology (IR)
SOC 3486 Global Environmental Crisis
SOC 3650 Population & Society (Q, QB, IR)
SOC 4086 Cities and Communities

Consumer and Community Studies (CCS)

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

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

2. CCS ELECTIVES (9 Credit Hours, at least 3 credits at 5000 level)
FCS 3180 Family, School, & Community Connections
FCS 3420 Housing Policy and Issues
FCS 3430 Family Advocacy and Policy
FCS 3450 Family Economic Issues
FCS 3470 International Consumer Policy
FCS 3500 Financial Skills for Life
FCS 3620 Environmental Psychology & Sustainability
FCS 3604 Family and Social Policy
FCS 5430 Families, Consumers, & Health
FCS 5450 Nonprofit Community Organizations
FCS 5510 Building Family Wealth
FCS 5520 Retirement and Benefits Planning for Families
FCS 5530 Income Tax Planning for Families
FCS 5540 Protecting Family Wealth
FCS 5550 Family Financial Planning Capstone
FCS 5590 Intensive Spanish Culture and Community
FCS 5630 Healthy Communities
FCS 5700 Analyzing Community Growth: An Evidence-based Approach
FCS 5730 Community & Environmental Change
FCS 5750 Undergraduate Research
FCS 5962/5964 Special Topics in CCS
HNKLY 4900/4901/4902/4903 Internships
OR HNKLY 4910 Washington DC Encounter

CAREER OUTLOOK
Educator: Environmental, Secondary & Post-Secondary
ENVST Food Systems and Community Resilience with Urban Ecology Minor

**REQUIRED CLASSES**

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

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

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

**Statistics Courses (select one)**

- *COMM 3710 Intro to Quantitative Comm. Research (QI)
- CMP 4010 Research Methods in Urban Ecology (QI)
- FCS 3210 Statistics in Family & Consumer Studies (QI, QB)
- *GEOG 3020 Geographic Analysis (QI, QB)*
- *MATH 3070 Applied Statistics (QI, QB)*
- *POLIS 5001 Quantitative Analysis in Political Science (QI)*
- SOC 3112 Social Statistics (QI, QB)

**Writing Courses (select one)**

- BIOL 3670 Science Comm. for Future Generations (CW)
- COMM 4650 Environmental Reporting (CW)
- CMP 4260 Land, Law, and Culture (CW)
- *MGT 3810 Business and Professional Communication (CW)*
- WRTG 3420 Environmental Writing (CW and HF)

**Methods Courses (select one)**

- ANTH 4334 Population Issues in Anthropology (QI, QB)
- *COSM 4450 GIS for Urban Ecologists (QI)*
- FCS 3200 Research Methods in Family & Consumer Studies (QI)
- *GEOG 3140 Introduction to GIS (QI)*
- *GEOG 5190 GIS Environmental & Public Health*
- POLS 3001 Political Analysis (QI, QB)
- SOC 3111 Research Methods

**To Be Completed in Your Last Year**

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

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**Elections (select seven courses)**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td>ANTH 4130</td>
<td>The Anthropology of Food</td>
<td>3</td>
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<tr>
<td>ANTH 4156</td>
<td>The Evolution of the Human Diet</td>
<td>3</td>
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<td>ANTH 4340</td>
<td>Paleoethnobotany</td>
<td>3</td>
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<tr>
<td>BIOL 1210</td>
<td>General Biology (SF)</td>
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<td>BIOL 1330</td>
<td>Plants &amp; Society (AS)</td>
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<td>CHEM 1020</td>
<td>The Science of Food &amp; Cooking (SF)</td>
<td>3</td>
</tr>
<tr>
<td>CHEM 1210/1215</td>
<td>General Chemistry &amp; Lab (GF)</td>
<td>4</td>
</tr>
<tr>
<td>CMP 2010</td>
<td>Design Ecologies (BF)</td>
<td>3</td>
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<tr>
<td>CMP 3200</td>
<td>Principles of Ecology for Planners</td>
<td>3</td>
</tr>
<tr>
<td>CMP 4010</td>
<td>Field Studies in Urban Ecology</td>
<td>3</td>
</tr>
</tbody>
</table>

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**CMP 2010**

Design Ecologies (3)

**CMP 3200**

Ecology of Human Settlements (3)

**CMP 4600**

The Just City (3)

**DES 2630**

Design Contexts (3)

**ELECTIVE**

Select from CMP 3000 Level courses

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**CMP 4010**

Field Studies in Urban Ecology (4)

**PSY 2410**

Eat, Work, Play, Sleep – Psychology of Everyday Life
ENVST Ecological Literacy and Social Change with Political Science Minor

REQUIRED CLASSES

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

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

ENVST 3210 Global Climate Change (SF)
ENVST 3366 Environmental Justice (DV)

Political Science Minor

The Political Science minor degree is open to any and all University of Utah students, regardless of their declared major. Before adding the minor degree, students must first have a declared major at the University of Utah.

All courses for the minor must be taken for a letter grade. The two introductory courses must receive a grade of at least C-. The overall GPA for all courses counted toward the minor must be at least a C.

- 18 Credit Hours - Political Science (POLS) Courses (must be taken for a grade)
- Overall cumulative GPA must be a minimum of 2.00
- 6 Credit Hours - Required Introductory Courses (grade must be C- or better)
- 12 Credit Hours - Upper-Division Level (3000-5999).
- Required Courses:

Choose 2 Introductory Classes

- POLS 1100 U.S. National Government (3)
- POLS 2100 Introduction to International Relations (3)
- POLS 2200 Introduction to Comparative Politics (3)
- POLS 2300 Introduction to Political Theory (3)

Upper-division Classes in Political Science 12 credit hours at 3000- to 5999-level.

A maximum of three (3) internship hours may be counted toward a degree. A minimum of nine (9) credit hours must be completed at the University of Utah.

CAREER OUTLOOK

Non-profit organizations...
ENVST Ecological Literacy and Social Change and Strategic Communication Minor

REQUIRED CLASSES

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

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

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

Statistics Courses (select one)

*COMM 3710 Intro to Quantitative Comm. Research (QI)
CMF 4010 Research Methods in Urban Ecology (QI)
FCS 3210 Statistics in Family & Consumer Studies (QI, QB)
*GEOG 3020 Geographic Analysis (QI, QB)
*MATH 3070 Applied Statistics (QI, QB)
*POLS 3501 Quantitative Analysis in Political Science (QI, QB)
SOC 3112 Social Statistics (QI, QB)

Writing Courses (select one)

BIOL 3670 Science Comm. For Future Generations (CW)
COMM 4650 Environmental Reporting (CW)

Methods Courses (select one)

*COMM 4570 Visual Editing
*ENVST 5180 Field Ecology
ED PS 3030 Research & Inquiry in Education (BF)
ED PS 5720 Child Development & Learning
ED PS 5721 Adolescent Development & Learning
FCS 3200 Research Methods in Family and Consumer Studies
*GEOG 3140 Introduction to GIS (QI)
POLS 3081 Political Analysis (QI, QB)
SOC 3111 Research Methods

To Be Completed in Your Last Year

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

CAREER OUTLOOK

STRATEGIC COMMUNICATION MINOR

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

Introductory/Required Course
COMM 2580 Strategic Communication Theory & Practice (3) (previously COMM 4580)

Foundational Courses: Choose two courses
COMM 3580 Strategic Communication, Special Topics (3)
COMM 3560 Video Production I (4)
COMM 3610 Internship (1-6)
COMM 3630 Absolute Communication (3)
COMM 3670 Principles of Advertising (3)
COMM 3680 Advertising Media Analysis and Planning (3)
COMM 3690 Making Brands Stick (3)
COMM 4570 Visual Editing (4)
COMM 4590 Writing for Strategic Communication (4) (CW) (pre-reqs: COMM 1610, COMM 2580 or 4580)
COMM 5200 Persuasion & Political Communication (3)
COMM 5300 Mass Communication Law (4) (pre-req: COMM 1500 or 3505)
COMM 5580 Public Relations Cases and Campaigns (4) (CW) (pre-reqs: COMM 1610, COMM 1500 or 3505, COMM 2580 or 4580)
COMM 5590 Integrated Marketing Communication (3)
COMM 5560 Media Ethics (3) (pre-req: COMM 1500 or 3505)
COMM 5950 Advanced Special Topics in Strategic Communication (3)

Method/Theory Courses: Choose two courses; *One must be 3710 or 5710
COMM 1270 Analysis of Argument (3) (QBHF)
COMM 1500 Introduction to Media & Business Ethics (3) (HF) (previously COMM 3505)
COMM 2110 Introduction Interpersonal Communication (3) (BF)
COMM 3050 Theoretical Perspectives in Communication (3)
COMM 3115 Communicating Science, Health, Environment (3)
COMM 3140 Dangerous Liaisons in Relationships and Organizations (3)
COMM 3170 Introduction to Organizational Communication (3)
COMM 3405 Rhetoric: Aristotle to Twitter (3)
COMM 3550 Principles of Visual Communication (3)
*COMM 3710 Introduction to Quantitative Communication Research (3) (QA or QB) (QI)
*COMM 5710 Quantitative Communication Research (QI) (pre-req: COMM 3710)

Elective Course: Choose any additional COMM elective course
Choose any Communication course, including those from the Foundational & Method/Theory sections.

Electives (select seven courses)
ANTH 4146 Human Ecology (BF, SF)
ANTH 4245 Human Migration & Social Change (BF)
ART 4520 Artist as Cultural Worker: Art & Social Change
BIOL 3710 Biology, Society & Public Engagement
COMM 3115 Communicating Health, Science, Environment
COMM 3200 Native American Activism (DV)
COMM 3300 Community & Social Responsibility (CW, HF)
COMM 3633 Community Journalism
COMM 3660 Environmental Communication
COMM 3665 Communicating Climate Change
COMM 5400 Communication & Social Justice
COMM 5670 Activism & New Media
COMM 5690 Design Ecologies (BF)
COMM 4030 Leadership in Community Engagement
ECOS 5500 Gender & Environment Development in Third World
*ECS 3150 Intro to Multicultural Education (DV, CW, HF)
ECS 3180 Home, School & Community Relations
ECS 4111 School & Society (DV, CW, HF)
*ENGL 5975 Urban Education
*ENGL 5975 Theories of Race, Ethnicity, Nation
ENVST 5800 Sustainability in Costa Rica (IR)
FCS 3620 Environment & Behavior
FCS 35450 Nonprofit Community Organizations
FILM 3520 Documentary & Social Justice (FF)
GNDR 1100 Gender & Social Change (BF, DV)
*GNDR 5080 Gender, Power, and Freedom
HST 4180 Environmental History (HF)
PHIL 3710 Science & Society (HF)
PHIL 3630 Environmental Ethics (HF)
PHIL 3730 Justice & International Affairs (IR)
PHIL 5530 Environmental Philosophy (HF)
POLS 3026 Civic Engagement & Social Change
POLS 3320 Intro to Public Policy Analysis
*POLS 5525 International Ethics
POLS 5810 Dem, Activism & Social Change/Research Seminar (CW)
ENVST Ecological Literacy and Social Change with Consumer & Community Studies Minor

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

ENVST 3210 Global Climate Change (SF)
*ENVST 3364 Challenges to Global Sustainability (IR)
ENVST 3365 Environmental Justice (DV)
POLS 3322 Environmental Policy

Statistics Courses (select one)
*COMM 3710 Intro to Quantitative Comm. Research (Q)
CMP 4010 Research Methods in Urban Ecology (Q)
FCS 3210 Statistics in Family & Consumer Studies (Q, QB)
*GEOG 3020 Geographic Analysis (Q, QB)
*MATH 3070 Applied Statistics (Q, QB)
POLS 5001 Quantitative Analysis in Political Science (Q)
SOC 3112 Social Statistics (Q, QB)

Electives (select seven courses)
ANTH 4186 Human Ecology (BF, SF)
ANTH 4245 Human Migration & Social Change (IR)
ART 4520 Art as Cultural Worker: Art & Social Change
BIOL 3710 Biology, Society & Public Engagement
COMM 3115 Communicating Health, Science, Environment
COMM 3290 Native American Activism (DV)
COMM 3502 Community & Social Responsibility (CW, HF)
COMM 3635 Community Journalism
COMM 5360 Environmental Communication
COMM 5365 Communicating Climate Change
COMM 5490 Communication & Social Justice
COMM 5670 Activism & New Media

Writing Courses (select one)
BIOL 4670 Science Comm. For Future Generations (CW)
COMM 4650 Environmental Reporting (CW)
CMP 4260 Land, Law, & Culture (CW)
*MGT 3810 Business & Professional Communication (CW)
WRITG 3420 Environmental Writing (CW and HF)

Methods Courses (select one)
*COMM 4570 Visual Editing
*ENVST 5100 Field Ecology
ED PS 3030 Research & Inquiry In Education (BF)
ED PS 5720 Child Development & Learning
ED PS 5721 Adolescent Development & Learning
FCS 3200 Research Methods in Family and Consumer Studies
*GEOG 3140 Introduction to GIS (Q)
POLS 3001 Political Analysis (Q, QB)
SOC 3111 Research Methods

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

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

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

2. CCS ELECTIVES (9 Credit Hours, at least 3 credits at 5000 level)
FCS 3180 Family, School, & Community Connections
FCS 3420 Housing Policy and Issues
FCS 3430 Family Advocacy and Policy
FCS 3450 Family Economic Issues
FCS 3470 International Consumer Policy
FCS 3500 Financial Skills for Life
FCS 3620 Environmental Psychology & Sustainability
FCS 5200 Family and Social Policy
FCS 5430 Families, Consumers, & Health
FCS 5450 Nonprofit community Organizations
FCS 5510 Building Family Wealth
FCS 5520 Retirement and Benefits Planning for Families
FCS 5530 Income Tax Planning for Families
FCS 5540 Protecting Family Wealth
FCS 5550 Family Financial Planning Capstone
FCS 5590 Intensive Spanish Culture and Community
FCS 5630 Healthy Communities
FCS 5700 Analyzing Community Growth: An Evidence-based Approach
FCS 5730 Community & Environmental Change
FCS 5950 Undergraduate Research
FCS 5962/5964 Special Topics in CCS
HNKLY 4900/4901/4902/4903 Internships
OR HNKLY 4910 Washington DC Encounter
ENVST Ecological Literacy and Social Change with Sociology Minor

ENVST 3210 Global Climate Change (SP)
* ENVST 3364 Challenges to Global Sustainability (IR)
* ENVST 3385 Environmental Justice (DV)
POLS 3322 Environmental 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 Geographical Analysis (QI, QB)
 * MATH 3070 Applied Statistics (QI, QB)
 * POLS 5001 Quantitative Analysis in Political Science (Q)
 SOC 3112 Social Statistics (QI, QB)

Writing Courses (select one)
BIOL 4670 Science Comm. For Future Generations (CW)
 COMM 4650 Environmental Reporting (CW)
 CMP 4260 Land, Law, & Culture (CW)
 * MGMT 3810 Business & Professional Communication (CW)
 WRITG 3260 Environmental Writing (CW and HF)

Methods Courses (select one)
* COMM 4570 Visual Editing
* ENVST 5160 Field Ecology
ED PS 3030 Research & Inquiry in Education (BF)
 ED PS 5720 Child Development & Learning
 ED PS 5721 Adolescent Development & Learning
 FCS 3200 Research Methods in Family and Consumer Studies
 * GEOG 5140 Introduction to GIS (QI)
 POLS 3001 Political Analysis (QI, QB)
 SOC 3111 Research Methods

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

Electives (select seven courses)
ANTH 4186 Human Ecology (BF, SF)
ANTH 5245 Human Migration & Social Change (IR)
ART 4520 Art as Cultural Worker & Social Change
BIOL 3710 Biology, Society & Public Engagement
COMM 3115 Communicating Health, Science, Environment
COMM 3290 Native American Activism (DV)
COMM 3630 Community & Social Responsibility (CW, HF)
COMM 3635 Community Journalism
COMM 3560 Environmental Communication
COMM 3565 Communicating Climate Change
COMM 5490 Communication & Social Justice
COMM 5670 Activism & New Media
CMP 2010 Design Ecologies (BF)
CMP 4030 Leadership in Community Engagement
ECON 5560 Gender & Econ. Development in 3rd World
* ECS 3150 Intro to Multicultural Education (DV)
 ECS 3180 The Home, School & Community Relations
 ECS 4111 School & Society (DV, CW, HF)
* ECS 5715 Urban Education
* ENGL 5930 Theories of Race, Ethnicity, Nation
 ENVST 5800 Sustainability in Costa Rica (IR)
 FCS 3620 Environment & Behavior
 FCS 5450 Nonprofit Community Organizations
 FILM 3520 Documentary & Social Justice (BF)
 GNDR 1100 Gender & Social Change (BF, DV)
* GNDR 5080 Gender, Power & Freedom
 HIST 4380 Environmental History (HF)
 PHL 3310 Science & Society (HF)
 PHL 3530 Environmental Ethics (HF)
 PHL 3730 Justice Activism & Social Change
 PHL 5530 Environmental Philosophy (HF)
POLS 326 Engagement & Social Change
POLS 3320 Intro to Public Policy Analysis
* POLS 5625 International Ethics
 POLS 5810 Dem. Activism & Social Change/Research Seminar (CW)
* PRRT 5735 Youth Development
 SOC 3422 Social Movements
 SOC 3480 Environmental Sociology (IR)
 SOC 3486 Global Environmental Crisis
 SOC 3653 Global Population Problems (HF)
POLS 4085 Cities & Communities (CW)
POLS 3320 Intro to Public Policy Analysis
* POLS 5625 International Ethics
 POLS 5810 Dem. Activism & Social Change/Research Seminar (CW)
* PRRT 5735 Youth Development
 SOC 3422 Social Movements
 SOC 3480 Environmental Sociology (IR)
 SOC 3486 Global Environmental Crisis
 SOC 3653 Global Population Problems (HF)
POLS 4086 Cities & Communities (CW)

Sociology Minor

Students who are interested in studying Sociology, but are not able to fulfill the requirements of the full major should consider doing a Sociology Minor.

To earn a Sociology Minor, students must complete two “core” Sociology courses
SOC 1010 Intro to Sociology
SOC 3111 Research Methods - or - SOC 3140 Social Theory

Plus an additional 12 credit hours of Sociology electives, 9 (or 6?) of which have to be upper-division courses (3000-level or higher).

Electives:
SOC 3410 SPECIAL TOPICS—GPS (3)
SOC 3435 INEQUALITY, POWER & GLOBALIZATION (3)
SOC 3440 SOCIOLOGY OF RELIGION (3) BF
SOC 3436 GLOBAL SOCIAL STRUCTURE (3)
SOC 3446 POLITICAL SOCIOLOGY (3)
SOC 3480 ENVIRONMENTAL SOCIOLOGY (3) IR
SOC 3485 CITIES & COMMUNITIES (3) CW
SOC 3741 MIGRANTS & COMMUNITIES (3) IR
SOC 3486 GLOBAL ENVIRONMENTAL CRISIS
SOC 3422 SOCIAL MOVEMENTS
SOC 3610 SPECIAL TOPICS—POP & HEALTH (3)
SOC 3638 FAMILIES IN SOCIETY (3)
SOC 3650 POPULATION & SOCIETY (3) QB, QI, IR
SOC 3653 GLOBAL POPULATION PROBLEMS (3) IR
SOC 3671 SOCIOLOGY OF HEALTH (3)
SOC 3673 SOCIAL EPIDEMIOLOGY (3) QB, QI
SOC 3741 MIGRANTS & COMMUNITIES (3) IR
SOC 3769 DISPARITIES OF HEALTH (3) DV
SOC 4674 GLOBAL HEALTH (3) IR

CAREER OUTLOOK

Non-profit organizations
State agencies-outreach & education (Dept. of Health, S.L.C. Green)
Community organizing & development
Revolutionary
Educator/naturalist - museums, parks, etc.
ENVST Ecological Literacy and Social Change and Diversity Certificate

ENVST 3210 Global Climate Change (SF)
ENVST 3364 Challenges to Global Sustainability (IR)
ENVST 3365 Environmental Justice (DV)
POL 5322 Environmental Policy

Statistics Courses (select one)
- COMM 3710 Intro to Quantitative Comm. Research (QI)
- CMP 4010 Research Methods in Urban Ecology (QI)
- ECS 3210 Statistics in Family & Consumer Studies (QI, QB)
- GEOG 3020 Geographic Analysis (QI, QB)
- MATH 3070 Applied Statistics (QI, QB)
- POLS 5001 Quantitative Analysis in Political Science (QI)

Sociology Academic Advisor.

For more information visit soc.utah.edu or email socadv@soc.utah.edu

DIVERSITY CERTIFICATE

DIVERSITY REQUIREMENTS:

The certificate must be officially declared with the Sociology Academic Advisor.

For more information visit soc.utah.edu or email socadv@soc.utah.edu

DIVERSITY CORE (3 credit hours) Required
SOC 3380 Social Inequalities (3) DV

DIVERSITY ELECTIVE COURSES: (9 credit hours)

Regularly offered courses:
SOC 4085 Cities & Communities (3) CW
SOC 3337 Gender & Sexuality (3) DV BF
SOC 3365 Ethnic Minorities in America (3) DV BF
SOC 3381 Exp Inequality Through Music & Film (3) DV
SOC 3393 Diversity Internship (3)
SOC 3365 Women & Crime (3)
SOC 3919 Health Disparities: Race & Ethnicity (3)

Less frequently offered courses:
SOC 3200 Diversity Service Learning (3) DV
SOC 3334 Race, Class & The American Dream (3)
SOC 3310 Latina/o Sociology (3)

DIVERSITY ALLIED COURSES: (6 credit hours)

Choose 2

- ANT 3060 Gender & Econ Development in 3rd World
- ECS 3160 Home, School & Community Relations
- ECS 4111 School & Society (DV, CW, HF)
- ECS 5715 Urban Education
- ENGL 5920 Theories of Race, Ethnicity, Nation
- ENVST 5800 Sustainability in Costa Rica (IR)
- ECS 3620 Environment & Behavior
- ECS 5450 Nonprofit Community Organizations
- FCS 3200 Research Methods in Family and Consumer Studies
- GEOG 3140 Introduction to GIS (QI)
- POLS 3001 Political Analysis (QI, QB)
- SOC 3111 Research Methods

To Be Completed in Your Last Year

- ENVST 4800 Environmental & Sustainability Studios Internship
- ENVST 5557 Capstone: Teaching Environmental Literacy

CAREER OUTLOOK

- Non-profit organizations
- State agencies-outreach & education (Dept. of Health, SLC Green)
- Community organizing & development
- Revolutionary
- Educator/naturalist - museums, parks, etc.

Electives (select seven courses)
ANTH 4186 Human Ecology (BF, SF)
ANTH 4245 Human Migration & Social Change (FR)
ART 4520 Artist as Cultural Worker: Art & Social Change
BIOL 3710 Biology, Society & Public Engagement
COMM 3155 Communicating Health, Science, Environment
COMM 3290 Native American Activism (DV)
COMM 3300 Community & Social Responsibility (CW, HF)
COMM 3635 Community Journalism
COMM 5360 Environmental Communication
COMM 5365 Communicating Climate Change
COMM 5400 Communication & Social Justice
COMM 5670 Activism & New Media
CMP 4020 Environmental Writing (CW and HF)

Methods Courses (select one)
- COMM 4570 Visual Editing
- ENVST 5180 Field Ecology
- ED PS 3030 Research & Inquiry in Education (BF)
- ED PS 5720 Child Development & Learning
- ED PS 5721 Adolescent Development & Learning
- FCS 3200 Research Methods in Family and Consumer Studies
- GEOG 3140 Introduction to GIS (QI)
- POLS 3001 Political Analysis (QI, QB)
- SOC 3111 Research Methods

ENVS 3210 Global Climate Change
ENVS 3364 Challenges to Global Sustainability
ENVS 3365 Environmental Justice
POL 5322 Environmental Policy

Writing Courses (select one)
BIOL 3670 Science Comm. For Future Generations (CW)
COMM 4660 Environmental Reporting (CW)
CMP 4260 Land, Law, & Culture (CW)
MGT 3810 Business & Professional Communication (CW)
WRTG 3420 Environmental Writing (CW and HF)

The Environmental Studies major provides students with the tools and understanding necessary to address environmental issues in their careers and their personal lives. The major is designed to be interdisciplinary, with courses offered in the fields of biology, geography, economics, history, and social science. Students are encouraged to take courses in all of these areas to gain a comprehensive understanding of environmental issues. The major also offers opportunities for hands-on learning through internships and fieldwork.

The certificate program is designed for students who are interested in gaining a deeper understanding of the social, economic, and environmental challenges facing our world today. The program consists of a set of core courses that provide a foundation in the theory and practice of environmental studies, as well as a selection of elective courses that allow students to explore particular areas of interest. The program is open to all students, regardless of major, who are interested in environmental issues.

The program is offered by the Department of Environmental Studies, located in the College of Social and Behavioral Sciences.
ENVST Ecological Literacy and Social Change with Gender Studies Minor

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

ENVST 3210 Global Climate Change (SF)
*ENVST 3364 Challenges to Global Sustainability (II)
*ENVST 3368 Environmental Justice (DV)
POLS 5322 Environmental Policy

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 (QI, QII)
*GEGG 3020 Geographic Analysis (QI, QII)
*MATH 3070 Applied Statistics (QI, QII)
*POLG 5001 Quantitative Analysis in Political Science (QI, QII)
SOC 3112 Social Statistics (QI, QII)

Writing Courses (select one)
BIOL 3670 Science Comm. For Future Generations (CW)
COMM 4659 Environmental Reporting (CW)
CMP 4260 Land, Law, & Culture (CW)
*MGT 3810 Business & Professional Communication (CW)
WRTG 3420 Environmental Writing (CW and HF)

Methods Courses (select one)
*COMM 4570 Visual Editing
*ENVST 5160 Field Ecology
ED PS 3030 Research & Inquiry in Education (BF)
ED PS 5720 Child Development (VF)
ED PS 5721 Adolescent Development & Learning
FCs 3200 Research Methods in Family and Consumer Studies
*GEOG 3140 Introduction to GIS (QI)
POLG 3001 Political Analysis (QI, QII)
SOC 3111 Research Methods

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

CAREER OUTLOOK

GENDER STUDIES MINOR REQUIREMENTS

Introductory Course, complete 1:
GNDR 1100 – Gender and Social Change
GNDR 2500 – Here I Stand
GNDR 3690 – Gender and Contemporary Issues

Protests and Movement:
GNDR 3100 – Medusa and Manifestos

Intro to Feminist Theories:
GNDR 3900 – Intro to Feminist Theories

Theory Courses, complete 1:
GNDR 4900
GNDR 5070
GNDR 5080 – Gender, Power and Freedom
GNDR 5090
GNDR 5880
GNDR 5940

Electives:
Complete 1 course from:
GNDR 4900, GNDR 5470, 5755, 5760, 5765, 5770, 5775, 5790, 5960

Complete 2 courses from:
GNDR 1060, GNDR 1100, GNDR 2080, GNDR 2500, GNDR 2800, GNDR 3040, GNDR 3140, GNDR/SOC 3337, GNDR/SOC 3380, GNDR/SOC 3381, GNDR 3400, GNDR 3500, GNDR/SOC 3565, GNDR 3570, GNDR 3575, GNDR 3610, GNDR 3635, GNDR/SOC 3638, GNDR 3690, GNDR 3730, GNDR 3950, GNDR 3960, GNDR/ANTH 4110, HIST 4280, GNDR 4600, GNDR 4610, GNDR 4630, GNDR 4650, GNDR 4670, GNDR 4999, GNDR/POLS 5140, GNDR 5170, GNDR 5390, GNDR/ECON 5560, GNDR 5622, GNDR 5940, GNDR 5950, GNDR 5960, GNDR 5990
ENVST Ecological Literacy and Social Change with Philosophy Minor

REQUIRED CLASSES

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

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

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

统计学课程（select one）

COMM 3010 Intro to Quantitative Comm. Research (Q1)
CMP 4010 Research Methods in Urban Ecology (Q1)
FCS 3010 Statistics In Family & Consumer Studies (Q1, Q2)
*GEOG 3010 Geographical Analysis (Q1, Q2)
*MATH 3070 Applied Statistics (Q1, Q2)
*POLS 5001 Quantitative Analysis In Political Science (Q1)
SOC 3112 Social Statistics (Q1, Q2)

写作课程（select one）

BIOL 3670 Science Comm. For Future Generations (CW)
COMM 4650 Environmental Reporting (CW)
CMP 4260 Land, Law, & Culture (CW)
*MGT 3810 Business & Professional Communication (CW)
WRTG 3420 Environmental Writing (CW and HF)

方法课程（select one）

*COMM 4570 Visual Editing
*ENVST 5180 Field Ecology
ED PS 3050 Research & Inquiry in Education (BF)
ED PS 5720 Child Development & Learning
ED PS 5721 Adolescent Development & Learning
FCS 3200 Research Methods in Family and Consumer Studies
*GEOG 3140 Introduction to GIS (Q1)
POLS 3001 Political Analysis (Q1, Q2)
SOC 3112 Research Methods

To Be Completed In Your Last Year

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

CAREER OUTLOOK

PHILOSOPHY MINOR REQUIREMENTS:

<table>
<thead>
<tr>
<th>Areas</th>
<th>Minimum</th>
<th>Qualified Courses</th>
</tr>
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<tbody>
<tr>
<td>ETHICS AND VALUE THEORY</td>
<td>One course</td>
<td>3011*, 3500, 3510, 3520, 3530, 3700, 3710</td>
</tr>
<tr>
<td>- Philosophy of Art</td>
<td></td>
<td>3720, 3730, 3740, 3750, 3800, 3820, 4540, 5130, 5191*, 5500, 5510, 5520, 5530, 5540, 5700, 5710, 5800</td>
</tr>
<tr>
<td>- Philosophy of Science</td>
<td></td>
<td>5192*, 5300, 5350†, 5370†, 5375†, 5400*, 5450, 5480*</td>
</tr>
<tr>
<td>METAPHYSICS AND EPISTEMOLOGY</td>
<td>One course</td>
<td>3012*, 3300, 3310, 3350, 3370, 3375, 3400, 3440, 3600, 4380, 4400, 4450, 4480, 5192*, 5300, 5350†, 5370†, 5375†, 5400*, 5450, 5480*</td>
</tr>
<tr>
<td>HISTORY OF PHILOSOPHY</td>
<td>One course</td>
<td>3013*, 3810, 4110, 4120, 4130, 4140, 5040, 5060, 5110, 5120*, 5150*, 5193*, 5360</td>
</tr>
</tbody>
</table>

Advanced Course Requirement

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

Elective Requirement

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

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

ENVS 3120 Global Climate Change (SF)
*ENVST 3364 Challenges to Global Sustainability (IR)
*ENVST 3365 Environmental Justice (IN)
POLS 3322 Environmental Policy

Statistics Courses (select one)
*COMM 3710 Intro to Quantitative Comm. Research (Q1)
CMP 4010 Research Methods In Urban Ecology (Q1)
FCS 3210 Statistics In Family & Consumer Studies (Q1, Q2)
*GEOG 3020 Geographic Analysis (Q1, Q2)
*MATH 3070 Applied Statistics (Q1, Q2)
*POLS 5001 Quantitative Analysis In Political Science (Q1)
SOC 3112 Social Statistics (Q1, Q2)

Writing Courses (select one)
BIOL 3670 Science Comm. For Future Generations (CW)
COMM 4650 Environmental Reporting (CW)
CMP 4260 Land, Law, & Culture (CW)
*MGMT 3810 Business & Professional Communication (CW)
WRTG 3420 Environmental Writing (CW and HF)

Methods Courses (select one)
*COMM 4670 Visual Editing
*ENVST 4180 Field Ecology
ED PS 3140 Research & Inquiry In Education (BF)
ED PS 3570 Child Development & Learning
ED PS 5721 Adolescent Development & Learning
FCS 3200 Research Methods in Family and Consumer Studies
*GEOS 3140 Introduction to GIS (Q1)
POLS 3001 Political Analysis (Q1, Q2)
SOC 3111 Research Methods

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

CAREER OUTLOOK

SOCIAL JUSTICE ADVOCACY CERTIFICATE

Admissions Requirements
• Matriculated University of Utah undergraduate student with Sophomore class status.
• Minimum 2.5 GPA

Graduation Requirements
• Maintain a least an overall 3.0 GPA in the courses required for the certificate
• Documentation of completion of coursework with grades should be submitted to the certificate director.

Certificate Requirements

Required Courses
• SW 3550 - Social Diversity and Cultural Understanding 4 Credit(s)
• ENVST 3365 - Environmental Justice 3 Credit(s)
OR
• GNDR 3570 - Introduction to LGBTQ Studies: Finding Out 3 Credit(s)
• POLS 3700 - Urban Politics 3 Credit(s)
• POLS 5324 - Disability Studies 3 Credit(s)
• SW 5535 - Social Justice Advocacy Techniques and Skills 3 Credit(s)

Electives
Complete 1 course from each of the following sections:

Section 1
• SW 3564 - Native Americans in Modern Society: Implications for Social Policy 3 Credit(s)
• SW 3720 - Immigration & Resettlement: Interdisciplinary & Community Perspectives 3 Credit(s)
• SW 4100 - Global Community Based Research 3 Credit(s)

Section 2
• COMM 3030 - Communication and Social Responsibility 3 Credit(s)
• COMM 3330 - Negotiation and Interviewing 3 Credit(s)

Section 3
• COMM 3140 - Dangerous Liaisons in Relationships & Organizations 3 Credit(s)
• COMM 3170 - Introduction to Organizational Communication 3 Credit(s)
• COMM 5150 - Dialogue and Cultural Studies 3 Credit(s)
• COMM 5200 - Persuasion and Political Communication 3 Credit(s)
• ETHNC 5800 - Theories and Research on Social Inequality 3 Credit(s)