

<b>Climate Systems</b>	
Advisors: Kathy Kelsey & Ben Crawford	
<b>Core Courses (Take Both)</b>	<b>Elective Courses (Choose 2)</b>
ENVS 5720: Climate Change [3] ENVS 5xxx: Urban Climate and Air Quality [3]	ENVS 5010: Landscape Biogeochemistry [3] ENVS 5270: Glacial Geomorphology [3] ENVS 5730: Air Quality Modeling & Analysis [3] ENVS 5731: Mountain Biogeography [4]

<b>Ecosystems</b>
Advisor: Christy Briles
<b>Elective Courses (take a minimum of 12 credits)</b>
BIOL 5xxx: Biology courses on the general list [3-4] ENVS 5010: Landscape Biogeochemistry [3] ENVS 5410: Aquatic Chemistry [3] ENVS 5500: Beeography [4] ENVS 5720: Climate Change [3] ENVS 5731: Mountain Biogeography [3] ENVS 5740: Geography of Soils [3]

<b>Environmental Health</b>
Advisor: Peter Anthamatten
<b>Methods (Choose at least 1)</b>
*BIOS 6601: Applied Biostatistics I [3] *EHOH 6616: Environmental & Occupational Toxicology [3] *EHOH 6617: Environmental & Occupational Epidemiology [3] ENVS 6230: Environmental Epidemiology [3] GEOG 5235: GIS Applications in Health [3] GEOG 6220: Toxicology [3]
<b>Risk Assessment &amp; Policy (Choose at least 1)</b>
*EHOH 6618: Environmental Health Policy and Practice [3] *EHOH 6620: Risk Assessment & Decision Making [3] ENVS 6200: Risk Assessment [3]
<b>Applications (Choose at least 1)</b>
*EHOH 6619: Environmental Exposure and Health Effects [3] *EHOH 6624: Infectious Disease, Environmental Contexts [3] *EHOH 6627: Water Quality and Public Health [3] *EHOH 6635: Climate Change and Health [3] GEOG 5230: Hazard Mitigation and Vulnerability Assessment [3] GEOG 5710: Disasters, Climate Change, and Health [3]
<i>*Courses offered at the School of Public Health at the Anschutz Medical Campus</i>

## Environmental Science Education

Advisor: Bryan Wee

Core Courses (Take Both)	Elective Courses (Choose 2)
ENVS 5650: Environmental Education [3] GEOG 5150: Place, Landscape, & Meaning [3]	ENVS 5xxx: Environmental Science Communication [3] GEOG 5300: Children's Geographies [3] GEOG 5440: Science, Policy & Environment [3] GEOG 5995: Travel Study: China (Sustainability along the Yangtze) [4] GEOG 5995: Travel Study: Singapore [4] SCED 5340: Equity & Culture in Science Education [3]

## Environmental Science, Policy & Management

Advisors: Gregory Simon & Rafael Moreno

Core Courses (Take Both)	Elective Courses (Choose 2)
GEOG 5265: Sustainability in Resource Management [3] GEOG 5440: Science, Policy and the Environment [3]	ENVS 5305: Water Quality and Resources [3] ENVS 6200: Risk Assessment [3] GEOG 5230: Hazard Mitigation and Vulnerability Assessment [3] GEOG 5301: Population, Culture and Resources [3] GEOG 5335: Contemporary Environmental Issues [3] GEOG 5420: The Politics of Nature [3] GEOG 5680: Urban Sustainability: Perspectives and Practice [3] GEOG 5710: Disasters, Climate Change and Health [3] GEOG 5990: Travel Study: Costa Rica (Sustainable Development and Adaptive Resources Management) [4] **GEOG 5995: Travel Study: China (Sustainability along the Yangtze) [4] **GEOG 5995: Travel Study: Singapore [4] **GEOG 5990: Travel Study: Patagonia [4] *PUAD 5631: Seminar in Environmental Policy and Politics [3] *PUAD 5632: Seminar in Environmental Management [3] *URPL 6500: Environmental Planning and Management [3]

\*Students may take *one* non-GEOG/ENVS course from this list

\*\*Only *one* Travel Study course may count for an elective

## Sustainable Urban Agriculture

Advisor: Amanda Weaver

Core Courses (Take Both)	Elective Courses (Choose 2)
ENVS 5450: Urban Food & Agriculture [3] ENVS 5460: Sustainable Urban Agriculture Field Study I [3]	ENVS 5470: Sustainable Urban Agriculture Field Study II [3] GEOG 5060: Remote Sensing I [3] GEOG 5085: GIS Applications for the Urban Environment [3] GEOG 5235: GIS Applications in the Health Sciences [3] GEOG 5640: Urban Geography [3] GEOG 5680: Urban Sustainability [3]

## Geospatial Analysis

Advisor: Peter Anthamatten & Rafael Moreno

Core Courses (Take Both)	Elective Courses (Choose 2)
GEOG 5080: Introduction to GIS [3] GEOG 5090: Environmental Modeling [3]	CVEN 5385: GIS Relational Database Systems [3] GEOG 5050: Applied Spatial Statistics [3] GEOG 5085: GIS Applications for the Urban Environment [3] GEOG 5091: Free and Open-Source Software for Geospatial Applications (FOSS4G) [3] GEOG 5092: GIS Programming and Automation [3] GEOG 5095: Deploying GIS Functionality on the Web [3]

## Water Systems

Advisor: Anne Chin & Tom Duster

Core Courses (Take Both)	Elective Courses (Choose 2)
ENVS 5280: Environmental Hydrology [4] ENVS 5410: Aquatic Chemistry [3]	CVEN 5333: Surface Water Hydrology [3] CVEN 5334: Groundwater Hydrology [3] CVEN 5335: Vadose Zone Hydrology [3] CVEN 5401: Intro to Environmental Engineering [3] ENVS 5305: Water Quality & Resources [3] ENVS 5380: Anthropocene Futures [3] ENVS 5780: Aquatic Ecology [3] ENVS 5xxx: Environmental Geography: The Food-Energy-Water Nexus along the Front Range [3] GEOG 5240: Applied Geomorphology [3] GEOG 5251: Fluvial Geomorphology [3] GEOG 5270: Glacial Geomorphology [3] GEOG 5990: Travel Study: France (Landscapes in the Rhône Valley: From Archaen to the Anthropocene) [4]