



ENVIRONMENTAL & SUSTAINABILITY STUDIES EMPHASIS IN AIR, WATER & HEALTH



EMPHASIS DESCRIPTION

Students will discover: (1) the challenges to sustaining good quality air and water, particularly in areas prone to water scarcity and increased probability of air pollution, (2) the influence of degraded resources on the health of individuals, society and ecosystems, and (3) options for maintaining clean air and water in the face of current and future constraints.



REQUIRED CLASSES

ENVST 2000 Field Experience: Environment and Sustainability

ENVST 2050 Introduction to Environmental Science (SF)

ENVST 2100 Introduction to Environmental and Sustainability Studies (BF)

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

ENVST/GEOG 3210 Global Climate Change (SF)

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

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

POLS 5322 Environmental Policy

Statistics Courses (select one)

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

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

CMP 4010 Field Studies in Urban Ecology (QI)

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

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

SOC 3112 Social Statistics (QI, QB)

Writing Courses (select one)

COMM 4650 Environmental Reporting (CW)

CMP 4260 Land, Law, & Culture (CW)

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

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

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

WRTG 3014 Scientific Writing (CW)

WRTG 3420 Environmental Writing (CW, HF)

WRTG 4905 Studies in Professional Discourses (CW)

Methods Courses (select one)

ATMOS 5050 Environmental Instrumentation (2 cr)

BIOL 3480 Biography of an Urban Stream

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

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

POLS 3001 Political Analysis (QI, QB)

SOC 3111 Research Methods (CW)

To Be Completed in Your Last Year

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

***ENVST 5559** Capstone: Air, Water & Health

TRANSFER INFORMATION

For students who are not completing an Associates Degree at SLCC, we recommend taking these general education requirements: the AI requirement (HIST 1700, POLS 1100, or ECON 1740), the 2 Fine Arts credits (FF), ENGL 2010 (equivalent to WRTG 2010 at the U), and at least Math 1050

SLCC course:

BIOL 1400 & 1405

ATMOS 2100

CHEM 1210/1215

MATH 1210

PHYS 2010/2015

PHYS 2210/2215

GEOG 2100 & 2500

PHIL 2300

Equivalent Course:

ENVST 2050

ATMOS 3100

CHEM 1210/1215

MATH 1210

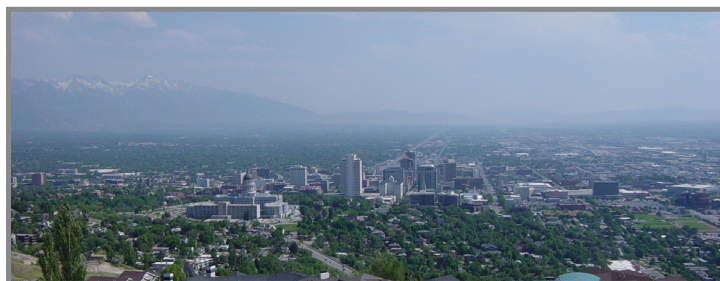
PHYS 2010/2015

PHYS 2210/2215

GEOG 3100

PHIL 3530

See highlighted text above



Electives (select seven courses)

ATMOS 3000 Prof. Development in the Atmos. Sciences (1.5 cr)

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

***ATMOS 5000** Intro to Atmospheric Science (QI)

ATMOS/GEOG 5260 Snow Dynamics & Avalanche Studies

***BIOL 5345** Natural History of the Colorado Plateau

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

CMP 3200 Ecology of Human Settlements

CMP 4380 Green Communities

CMP 4710 Intro to Transportation Planning

COMM 3115 Communicating Health, Science, Environment

COMM 5360 Environmental Communication

ECON 3/5190 Health Economics

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

***ECON 5250** Environmental & Natural Resource Economics

ENGL 5080 Environmental Literature

ENVST 3280 Organic Gardening (AS)

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

ENVST 3720 Environmental Health Disparities

FCS/PSY 3620 Environmental Psych. & Sustainability

FCS 5630 Healthy Communities

FCS 5730 Community and Environmental Change

GEO 3300 The Water Planet (SF)

GEO 3800 The Oceans (SF)

***GEO 5350** Groundwater

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

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

GEOG 3/5292 Snow & Ice

GEOG 3330 Urban Environmental Geography (SF)

GEOG 5385 Environmental Assessment & Impact Analysis

GEOG 5435 The Oceans and Us

H EDU 3700 Environmental Health

HIST 4380 US Environmental History (HF)

HIST 4860 Environmental History of China

***HONOR 3215** Global Environmental Change

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

PHIL 3310 Science & Society (HF)

PHIL 3530 Environmental Ethics (HF)

PHIL 5530 Environmental Philosophy (HF)

PHIL 5540 Hydrotopia: Water Mgt in the West

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

***PHYS 2210/2215** Physics for Scientists & Engineers & Lab I (SF)

POLS 5321 Health Policy

POLS 5510 Water Policy

POLS 5540 Nonprofit Advocacy

SOC 3480 Environmental Sociology (IR)



No more than 4 from one department

** Courses have prerequisites*

STEM Education

