

# SUSTAINABILITY SCIENCE MINOR

## Program Requirements

Code	Title	Credits
<b>Core Requirements</b>		
<i>Core Course in Human Systems &amp; Sustainability</i>		
EAES 160	The Human Environment	3
<i>Core Course in Scientific Investigations and Sustainability</i>		
EAES 101	Planet Earth	4
or EAES 107	Earth and the Environment	
<i>Core Course in Sustainability Literacy</i>		
EAES 202	Introduction to Sustainability Science	3
<b>Required Capstone Seminar</b>		
EAES 402	Sustainability Science Seminar	3
<b>Human Systems and Sustainability Elective</b>		
Complete one course from any category in the list below:		3
<b>Scientific Investigations and Sustainability Elective</b>		
Complete one course from any category in the list below:		3
<b>Total Credits</b>		<b>19</b>

## Human Systems and Sustainability Elective

Code	Title	Credits
<i>Global Systems</i>		
ANTH 360	Environmental Anthropology	3
ANTH 423	Community and Health	3-4
ANTH 429	Building Sustainable Communities	3-4
EAES 260	Energy, Environment and Society	3
EAES 300	Energy Transitions: A Global Dependence	3
ECON 215	The Economics of Social Problems	3
ECON 414	Economics of Natural Resources and Global Warming	3
ECON 419	Economics Of Energy And Environmental Policy	3
SOCI 220	Sociology of Rich and Poor Nations	3
SOCI 312	Environmental Sociology	3
SOCI 314	Environmental Justice	3
<i>Urban Systems</i>		
ANTH 255	Urban Anthropology	3
ANTH 422	Environment and Community	3-4
EAES 281	Introduction to American Urban Studies	3
EAES 283	Urban Geography	3
EAES 380	Transportation	3
EAES 385	Urbanization and Environment	3
EAES 391	Quantitative Methods in Geography and Urban Studies	3
EAES 484	Urban Planning	3
POLS 315	Urban Administration	3
SOCI 311	Urban Sociology	3
<i>Decision-Making Systems</i>		
EAES 363	Geopolitics	3
EAES 460	Environmental Law	3

ECON 371	World Trade and Investment	3
INBS 250	Introduction to International Business	3
LAWS 220	Conflict and Its Resolution	3
MGMT 231	Management Processes	3
MGMT 315	Organizational Behavior	3
MGMT 363	Business and Society	3
MGMT 436	Strategic Project Management	3
POLS 324	Applied Policy Analysis	3

## Scientific Investigations and Sustainability Elective

Code	Title	Credits
<i>Surface Processes</i>		
EAES 200	Geomorphology	3
EAES 210	Introduction to GIS and Remote Sensing	3
EAES 310	Geographic Information Systems (GIS)	3
EAES 311	Fundamentals of Remote Sensing of Environment	3
EAES 321	Economic Geology	3
EAES 340	Sedimentology	4
EAES 341	Principles of Soil Science	3
EAES 410	Special Topics in Advanced GIScience	3
EAES 451	Coastal Marine Geology	4
<i>Climate and Hydrologic Processes</i>		
EAES 201	Understanding Weather and Climate	4
EAES 230	Hydrology	3
EAES 250	Introduction to Marine Sciences	4
EAES 301	Climatology	3
EAES 330	Fluvial Geography	3
EAES 331	Geohydrology	3
EAES 332	Hydroclimatology	3
EAES 350	Oceanography	3
EAES 403	Meteorology	4
<i>Biological and Chemical Processes</i>		
BIOL 254	Applied Microbiology	3
BIOL 300	Environmental Biology and Related Controversial Issues	3
BIOL 351	Introduction to Aquatic Ecology	4
BIOL 370	Principles of Ecology	3
BIOL 460	Biological Oceanography	3
BIOL 461	Aquatic Ecology	3
CHEM 230	Organic Chemistry I	3
CHEM 231	Organic Chemistry II	3
CHEM 232	Experimental Organic Chemistry I	2
CHEM 233	Experimental Organic Chemistry II	2
CHEM 320	Environmental Chemical Analysis	3
CHEM 325	Atmospheric Chemistry	3
CHEM 330	Green Chemistry	3
EAES 322	Environmental Geochemistry	3