

Sustainability Science Major – Bachelor of Arts (B.A.) Degree

The interdisciplinary B.A. in Sustainability Science requires year-long classes in Geography, Biology or Chemistry, plus human-economic dynamics, Statistics, interdisciplinary electives, & one minor.

1. University Common Curriculum (48 quarter hours)		<u>Quarter offered</u>
First Year Seminar	4 qtr hrs	Fall
First Year Writing and Rhetoric	8 qtr hrs	Winter, Spring
Foreign Language	12 qtr hrs	Fall, Winter, Spring
Analytical Inquiry-Natural/Physical World	4 qtr hrs	Variable
Analytical Inquiry-Society and Culture	8 qtr hrs	Variable
Scientific Inquiry-Society and Culture	8 qtr hrs	Variable
Advanced Seminar	4 qtr hrs	Variable
2. Core Requirements (28 quarter hours)		
GEOG 1201, 1202, 1203: Environmental Systems	12 qtr hrs	Fall, Winter, Spring
Or GEOG 1264, 1265, 1266 Global Env. Change	12 qtr hrs	Fall, Winter, Spring
Statistics (GEOG 2000 Or BIOL 2090 Or PSYC 2300)	4 qtr hrs	Fall, Winter, Spring
GEOG 2500: Sustainability and Human Society	4 qtr hrs	Fall, Winter, Spring
Or GEOG 2511: Principles of Sustainability (Honors)	4 qtr hrs	variable
Select two of the following:		
GEOG 2401: The Human Population	4 qtr hrs	variable
GEOG 2410: Economic Geography	4 qtr hrs	variable
GEOG 3890: Ecological Economics	4 qtr hrs	variable
GEOG 3930: Cultural Geography Seminar (Political Ecology)	4 qtr hrs	variable
ENVI 3000: Environmental Law	4 qtr hrs	variable
3. Additional Requirements (10-12 quarter hours)		
BIOL 1011/1021: Evolution Heredity & Biodiversity (+ lab)	5 qtr hrs	Winter
BIOL 2010/2011: General Ecology (+ lab)	5 qtr hrs	Fall
OR		
CHEM 1010/1240: General Chemistry I (+ lab)	4 qtr hrs	Fall
CHEM 1020/1250: General Chemistry II (+lab)	4 qtr hrs	Winter
CHEM 2240: Introduction to Environmental Chemistry	4 qtr hrs	Spring
4. Integrative and Applied Capstone (0-4 quarter hours)		
GEOG 2550 Issues in Sustainability	4 qtr hrs	Fall, Winter, Spring
Or		
GEOG 3991 Independent Study	4 qtr hrs	Fall, Winter, Spring
GEOG 3999 Geographic Internship	0-4 qtr hrs	Fall, Winter, Spring
GEOG 2990: Prof. Development for Majors (Seniors only)	0 qtr hrs	Fall, Winter, Spring

5. Interdisciplinary Electives (20 credit hours): Requires a minimum of one class from each category (Environmental, Human/Society, and Applied Skills); one elective must come from prefix other than GEOG/GEOL/ENVI. Additional electives may be available as approved by the program director.

<p>Environmental BIOL 3035 Invasive Species Ecology BIOL 3044 Coral Reef Ecology BIOL 3045 Coral Reef Ecology Lab BIOL 3055 Ecology of the Rockies BIOL 3085 Insect Ecology BIOL 3095 Global Change Ecology BIOL 3350 Conservation Biology BIOL 3700 Topics in Ecology CHEM 3410 Atmospheric Chemistry CHEM 3411 Aquatic Chemistry CHEM 3413 Aerosol Science EALC 2001 Local and Regional Environmental Issues EALC 2002 The Impact of Development on the Environment EALC 2003 Energy in American Society GEOG 2320 Andean Landscapes GEOG 2730 Geography of Surfing GEOG 2835 Biogeographies of Conservation GEOG 2880 Geographies of South Africa GEOG 3520 Geography of Soils GEOG 3610 Climatology GEOG 3720 Mountain Environments and Sustainability GEOG 3800 Geography of Colorado GEOG 3820 Kiwis and Kauris: Sustainability in New Zealand GEOG 3835 Sustainability in South Florida: The Everglades and FL Keys GEOG 3870 Water Resources & Sustainability GEOL 3100 Environmental Geology PHYS 2610 Physics of Climate PHYS 2710 The Nanoscale Physics of Energy, Information, and Environment</p> <p>Human/Society ANTH 2011 Religion, Environmentalism, and Politics ANTH 2420 Science, Technology and Human Values</p>	<p>ANTH 3040 Anthropologies of Place ANTH 3255 Ancient North America ANTH 3310 Indigenous Environment ANTH 3500 City and Society ANTH 3510 The Ancient City ANTH 3880 Culture, Ecology, Adaptation ARTH 3813 Arts of the American West ARTH 3867 The Circle and the Four Corners: Native North American Art ECON 2360 Economics, Ecology, and Social Welfare ECON 2450 Race in the Economy ECON 2540 Law and Economics ECON 3590 Urban Economics ECON 3970 Environmental Economics ENGL 2715 Native American Literature ENGL 3706 Writing the American West GEOG 3310 Culture/Nature/Economics-Human Ecology GEOG 3340 Geographies of Migration GEOG 3400 Urban Landscapes GEOG 3420 Urban and Regional Planning GEOG 3425 Urban Sustainability GEOG 3440 Urban Transportation Planning GEOG 3445 Sustainability and Transportation GEOG 3640 Climate Change and Society GEOG 3755 Geography of Health GEOG 3825 Geographies of International Development in Africa HIST 2531 Twentieth Century Native American History HIST 2551 The American West Since 1860 HIST 2710 From Sea to Shining Sea: Nature in American History to 1900 HIST 2720 Paved Paradise? Nature and History in Modern America HIST 3650 Native Crude: Indigenous Oil Politics and Activism HIST 3680 The Strange History of American Suburbia</p>	<p>INTS 2275 Climate Breakdown INTS 2380 Comparative Development Strategies INTS 2490 Introduction to Global Health INTS 3420 Climate Security INTS 3421 Environmental Justice and Policy INTS 3530 Politics and Economics of Food/Agriculture INTS 3630 Global Environment LDRS 2400 Leadership and Sustainability in Belize LGST 3701 Topics in Legal Studies MGMT 3100 Business Ethics and Social Responsibility PHIL 2180 Ethics PHIL 2200 Social & Political Philosophy PHIL 2785 Environmental Ethics PHIL 2401 Theories of Justice PLSC 2840 International Law & Human Rights WELL 2700 Leveraging Eco-Distress to Create a Regenerative Future</p> <p>Applied Skills GEOG 2020 Computer Cartography GEOG 2100 Introduction to Geographic Information Systems (GIS) GEOG 3000 Advanced Geographic Statistics GEOG 3010 Geographic Information Analysis GEOG 3120 Environmental/GIS Modeling GEOG 3130 GIS Programming with Python GEOG 3140 GIS Database Design GEOG 3200 Remote Sensing GEOG 3230 Advanced Remote Sensing GEOG 3410 Urban Applications in GIS GEOG 3630 Dendroclimatology GEOL 2400 Geology and Ecology of the Southwest GEOL 3540 Hydrology</p>
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6. Required Minor: One minor is required. Students may use credits from the “additional requirements” category towards an applicable minor. Students may not minor in Geography, Environmental Science, or Sustainability due to curricular overlaps.

Note: minimum total quarter hours for degree: 183 (75 hours must be upper-level: 2000 or 3000)