Department of Geography & the Environment
UNIVERSITY OF DENVER

Environmental Science Minor

The **minor** in Environmental Science is designed to provide students with a firm foundation in earth science, ecology, and the scientific perspective of current issues concerning the environment or the management of natural resources.

Hours Required: minimum 26 qtr hrs

Required Courses:

- GEOG 1201, 1202, 1203: Environmental Systems (12 qtr hrs)
- BIOL 1011/1021: Evolution Heredity & Biodiversity (5 qtr hrs)
- BIOL 2010/2011: General Ecology (5 qtr hrs)
- GEOG 2700: Contemporary Environmental Issues (4 qtr hrs)

Students having completed the required courses as part of other degree program requirements (Core, major, etc.) will complete the 26 qtr hr requirement by taking courses from the following list:

BIOL 2510	General Genetics	BIOL 3055	Ecology of the Rockies
BIOL 3030	Alpine Ecology	BIOL 3095	Global Change Ecology
BIOL 3035	Invasive Species Ecology	BIOL 3700	Advanced Topics in Ecology
BIOL 3044	Coral Reef Ecology	BIOL 3707	Topics in Conservation Biology
CHEM 2240	Introduction to Environmental Chemistry	CHEM 3410	Environmental Chemistry I: Atmospheric
CHEM 2451	Organic Chemistry I (plus lab: CHEM 2461)	CHEM 3411	Environmental Chemistry II: Aquatic
CHEM 3210	Instrumental Analysis	CHEM 3412	Environmental Chemistry III: Toxicology
GEOG 2020	Computer Assisted Cartography #	GEOG 3420	Urban & Regional Planning #
GEOG 2100	Introduction to GIS #	GEOG 3425	Urban Sustainability *
GEOG 2401	The Human Population *	GEOG 3440	Urban Transportation Planning *
GEOG 2410	Economic Geography *	GEOG 3445	Sustainability and Transportation *
GEOG 2420	Geography of Tourism *	GEOG 3500	Reconstructing Quaternary Environments *
GEOG 2500	Sustainability and Human Society #	GEOG 3510	Biogeography *
GEOG 2550	Current Issues in Sustainability #	GEOG 3520	Geography of Soils *
GEOG 2700	Contemporary Environmental Issues #	GEOG 3560	Fluvial Geomorphology *
GEOG 3000	Advanced Geographic Statistics #	GEOG 3600	Meteorology *
GEOG 3010	Geographic Information Analysis #	GEOG 3610	Climatology *
GEOG 3100	Geospatial Data *	GEOG 3630	Dendroclimatology *
GEOG 3130	GIS Programming with Python#	GEOG 3720	Mountain Environments and Sustainability *
GEOG 3140	GIS Database Design #	GEOG 3755	Geographies of Health *
GEOG 3200	Remote Sensing #	GEOG 3800	Geography of Colorado *
GEOG 3230	Advanced Remote Sensing *	GEOG 3870	Water Resources and Sustainability *
GEOG 3310	Cult/Nature/Econ/Human Ecology #	GEOG 3890	Ecological Economics *
GEOG 3400	Urban Landscapes #	GEOG 3940	Urban Geography Seminar +
GEOG 3410	Urban Applications of GIS *	GEOG 3955	Pollen Analysis Seminar *
GEOL 2020	Historical Geology	GEOL 3100	Environmental Geology
GEOL 2400	Geology and Ecology of the SW	GEOL 3520	Erosion Process and Management
GEOL 2800	Geology of National Parks	GEOL 3540	Groundwater Hydrology (aka GEOG 3530)
GEOL 3010	Process Geomorphology (aka GEOG 3910)		
ENVI 2660	Natural History – Sonora & Baja	ENVI 2801	Water Quality of Western Rivers and Streams
ENVI 3000	Environmental Law	ENVI 3550	Environmental Issues – Colorado
GEOL 2020	Historical Geology	GEOL 3100	Environmental Geology
GEOL 2400	Geology and Ecology of the SW	GEOL 3520	Erosion Process and Management