

The Environmental Studies MAJOR

The George Washington University

To declare as an Environmental Studies Major, please contact the Geography Department, or CCAS Program Advisors, to discuss your options, and fill out the required paper work.

Program Director Prof. David Rain, drain@gwu.edu, (202) 994-8523

Program Advisor Prof. Melissa Keeley, keeley@gwu.edu, (202) 994-7156

Environmental Studies majors must complete a minimum of 46 credits in associated interdisciplinary coursework. This will include the Required Courses listed below, two courses each from Groups A, B, and C below, and two additional courses from those listed below, as needed to reach 46 hours.

Required Courses:

Course #	Course Title	Credits
Geog 1002	Introduction to Physical Geography	4
Geog 1003	Society and Environment	3
Geol 1001	Physical Geology OR	3
Geol 1005	Environmental Geology	3
Geol 1002	Historical Geology	3
Bisc 1005	Biology of Nutrition and Health OR	3
Bisc 1111	Intro Biology: Cells and Molecules	4
Bisc 1006	Ecology and Evolution of Organisms OR	3
Bisc 1112	Intro Biology: Biology of Organisms	4
Geog 2196	Field Methods in Geography OR	3
Geog 2128*	Geomorphology OR	3
Bisc 2458	Field Botany OR	4
Bisc 3456	Animal Ecology OR	4
	An appropriate substitute approved in advance by the Program Director	

*Can count **either** to satisfy the Field Methods requirement **or** as a Group B class.

Group A: Environmental Techniques and Assessment Majors must complete at least **TWO**:

Course #	Course Title	Credits
Geog 2104	Introduction to GIS	3
Geog 2105	Techniques of Spatial Analysis	3
Geog 3106	Intermediate GIS	3
Geog 2107	Introduction to Remote Sensing	3
Geog 4121	Advanced GIS	3
Geog 3132	Environmental Quality and Management	3
Econ 2136	Environmental and Natural Resource Economics	3
Stat 1053	Statistics in Social Sciences OR	3
Stat 1127	Statistics for the Biological Sciences	3

Group B: Environmental Processes
Majors must complete at least TWO:

Course #	Course Title	Credits
Geog 2108	Weather and Climate	3
Geog 2128*	Geomorphology	3
Geog 2134	Energy Resources	3
Geog 2136	Water Resources	3
Geog 2137	Environmental Hazards	3
Geol 2105	Geological Hazards in Land-Use Planning	3
Geol 2106	Oceanography	3
Geol 3131	Global Climate Change	3
Geol 3138	Introduction to Hydrogeology	3
Bisc 2454	General Ecology	4
Bisc 2455	Plant Ecology	4
Bisc 3456	Animal Ecology	4
Bisc 3457	Aquatic Ecology	4
Bisc 3460	Conservation Biology	3
Chem 2085	Environmental Chemistry	3
CE 1010**	Intro to Civil and Environmental Engineering	1

*Can count *either* to satisfy the Field Methods requirement *or* as a Group B class.

**1 hour class, does not count as one of two in Group B

Group C: Environment and Society
Majors must complete at least TWO:

Course #	Course Title	Credits
Geog 2110	Climate and Human Ecology	3
Geog 2127	Population Geography	3
Geog 2133	People, Land and Food	3
Geog 3143	Urban Sustainability	3
Geog 3810	Building Cities	3
Geol 3193	Environmental Law	3
Amst 2520-1	American Architecture	3
Anth 3502	Cultural Ecology	3
Anth 3504	Illness, Healing, and Culture	3
AH 2152	American Arts: Era of National Expansion	3
Hist 3001	Special Topics (topics vary*)	3
Psc 2224	Issues in Domestic Public Policy (topics vary*)	3
Pubh 3132	Health and Environment	3
Pubh 3133	Introduction to Global Health & Development	3
Pubh 2114	Environment, Health, & Development	3
Soc 2169	Urban Sociology	3

*Only topics with an environmental theme count toward the major (and with EVST advisor approval)

For more information about the Environmental Science Major, please contact Program Director: Prof. David Rain (202) 994-8523, drain@gwu.edu, or Program Advisor Melissa Keeley (202) 994-7156, keeley@gwu.edu

We invite you to visit the Geography Department, located in Old Main, 1922 F Street, NW, 2nd fl, Washington DC, 20052 or visit us virtually at <http://departments.columbian.gwu.edu/geography/undergraduate/environmentalstudies>