



THE GEORGE
WASHINGTON
UNIVERSITY
WASHINGTON, DC

DEPARTMENT of GEOGRAPHY

& ENVIRONMENTAL STUDIES



Geography MAJOR Requirements

NAME: _____ EMAIL: _____ GWid# _____

Geography MAJORS must complete a minimum of **36 credits** in Geography coursework

REQUIRED COURSES*: All MAJORS MUST complete these THREE courses:

Course #	Course Title	Semester/Year	Check
*GEOG 1001	Introduction to Human Geography (F/S)		
*GEOG 1002	Introduction to Physical Geography (F/S) 4 credit course with lab		
*GEOG 4195**	Senior Seminar in Geography (FALL only)		

Group A: Physical Geography. Majors must complete at least TWO:

Course #	Course Title	Semester/Year	Check
GEOG 1003	Society and Environment (F/S)		
GEOG 2108	Weather and Climate		
GEOG 2110	Climate and Human Ecology		
GEOG 2128	Geomorphology		
GEOG 2134**	Energy Resources		
GEOG 2136	Water Resources		
GEOG 2137	Environmental Hazards		
GEOG 3132	Environmental Quality and Management		
GEOG 3143**	Urban Sustainability (A OR B)		

Group B: Human Geography. Majors must complete at least TWO:

Course #	Course Title	Semester/Year	Check
GEOG 2124	Urban Transportation		
GEOG 2125	Transportation Systems and Networks		
GEOG 2127	Population Geography		
GEOG 2133	People, Land and Food		
GEOG 2140	Cities and Societies (U.S. focus)		
GEOG 2141	Cities in the Developing World		
GEOG 2144	Historical Geography		
GEOG 2145**	Cultural Geography		
GEOG 2146	Political Geography		
GEOG 2147	Military Geography		
GEOG 2148	Economic Geography		
GEOG 3143**	Urban Sustainability (A OR B)		
GEOG 3810	Planning Cities		

Group C: Techniques. Majors must complete at least TWO of 2104, 2105 and 2196:

Course #	Course Title	Semester/Year	Check
GEOG 2104	Introduction to Cartography & GIS (F/S)		
GEOG 2105	Techniques of Spatial Analysis (F/S)		
GEOG 2107	Introduction to Remote Sensing		
GEOG 2196	Field Methods in Geography		
GEOG 3106	Intermediate GIS		
GEOG 4309	GIS for Emergency Management		
Special Topics	PENDING COURSE NUMBER APPROVAL		
GEOG 3198 (4307)	Digital Image Processing		
GEOG 3198 (4308)	Programming for Geospatial Applications		
GEOG 3198 (4310)	Geovisualization and Cartography		
GEOG 3198 (4311)	Open Source GIS		

Group D: Regional Geography. Majors must complete at least ONE:

Course #	Course Title	Semester/Year	Check
GEOG 2120	World Regional Geography (F/S)		
GEOG 3154	Geography of the Middle East & North Africa		
GEOG 3161	Geography of Latin America		
GEOG 3164	Geography of Africa		
GEOG 3165	Geography of South Asia		

**Occasionally taught as a WID class

In addition to each of the above requirements, students need to take **TWO ELECTIVES** from the above major groups, A, B, C, and D

Course #	Course Title	Semester/Year	Check
GEOG 3190	Readings in Geography		
GEOG 3198	Special Topics in Geography		
GEOG 3194	Special Topics in Physical Geography		
GEOG 3195	Special Topics in Human Geography		
GEOG 3196	Special Topics in Geospatial Techniques		
GEOG 3197	Special Topics in Regional Geography		
GEOG 4199	Internship in Geography (maximum of 6 credits total can be applied toward major and/graduation credits)		

For more information about the Geography major or minor, please contact the appropriate Geography Undergraduate Advisor (Letter ranges indicate last name of student):

- Last names **A – H**: Professor **Ryan Engstrom** at 202-994-7979, rengstro@gwu.edu
- Last names **I – O**: Professor **Michael Mann** at 202-994-4567, mmann1123@gwu.edu
- Last names **P – Z**: Professor **Joe Dymond** at 202-994-8503, jdymond@gwu.edu

We invite you to visit the Geography Department, located in Old Main, 1922 F Street, N.W., or visit us virtually at <https://geography.columbian.gwu.edu/>