

## Geography Major – Bachelor of Arts (B.A.) Degree (45 quarter hours)

### 1. Geography required courses (28 quarter hours)

GEOG 1410 People, Places, and Landscapes	4 qtr hrs	Fall, Winter, Spring
<i>One of the following 3-course sequences:</i>		
GEOG 1201, 1202, 1203 Environmental Systems	12 qtr hrs	Fall, Winter, Spring
GEOG 1216, 1217, 1218 Our Dynamic Earth	12 qtr hrs	Fall, Winter, Spring
GEOG 1264, 1265, 1266 Global Environmental Change	12 qtr hrs	Fall, Winter, Spring
GEOG 2020 Cartography	4 qtr hrs	Twice a year
GEOG 2100 Introduction to GIS	4 qtr hrs	Twice a year
GEOG 2000 Geographical Statistics	4 qtr hrs	Twice a year
<b>*GEOG 2990: Professional Development for Geography &amp; Environmental Science</b>	0 qtr hrs	<b>Spring</b>

**Note:** GEOG 1410, 1201-03, 1216-18, 1264-66 classes can count towards Common Curriculum requirements

### 2. Geography Electives (17+ quarter hours) A minimum of 17-quarter hours (2000 or 3000 level) of elective courses must be taken from the following list of courses, and must include one physical (P), one human (H), and one GIScience (G) course.

GEOG 2030	H/P	Field Methods+	GEOG 3440	H	Urban Transportation Planning *
GEOG 2320	H	Andean Landscapes	GEOG 3445	H	Sustainability and Transportation *
GEOG 2401	H	The Human Population #	GEOG 3450	H	Transportation and Mobilities
GEOG 2410	H	Economic Geography *	GEOG 3460	H	Air Trans, High-Speed Rail & Tourism
GEOG 2420	H	Geography of Tourism *	GEOG 3500	P	Reconstructing Quaternary Environments*
GEOG 2430	H	World Cities +	GEOG 3510	P	Biogeography *
GEOG 2500	H/P	Sustainability and Human Society #	GEOG 3520	P	Geography of Soils *
GEOG 2511	H/P	Principles of Sustainability - Honors	GEOG 3550	P	Topics in Physical Geography
GEOG 2550	H/P	Current Issues in Sustainability #	GEOG 3560	P	Fluvial Geomorphology *
GEOG 2608	H/P	Human Dimensions of Global Change	GEOG 3600	P	Meteorology *
GEOG 2700	H/P	Contemporary Environmental Issues #	GEOG 3610	P	Climatology *
GEOG 2750	P	Paleoenvironmental Field Methods #	GEOG 3630	P	Dendroclimatology *
GEOG 2810	H/P	Geography of Latin America *	GEOG 3640	H/P	Climate Change and Society
GEOG 2830	H/P	Geography of Europe	GEOG 3700	H	Environment & Development
GEOG 2880	H/P	Geographies of South Africa	GEOG 3701	G	Topics in GIS
GEOG 2990		Pro Dev Geog & Envi Sci	GEOG 3710	H/P	Envi Change in the Eastern Mediterranean
GEOG 2992		Directed Study	GEOG 3720	H/P	Mountain Environments & Sustainability *
GEOG 3000	G	Advanced Geographic Statistics #	GEOG 3750	H/P	Topics in Human/Environment Interactions +
GEOG 3010	G	Geographic Information Analysis #	GEOG 3755	H	Geography of Health #
GEOG 3040	G	GPS for Resource Mapping	GEOG 3760	H/P	Health & Environment, England
GEOG 3100	G	Geospatial Data *	GEOG 3800	H/P	Geography of Colorado *
GEOG 3110	G	GIS Modeling +	GEOG 3820	H/P	Kiwis & Kauris: Sustainability New Zealand
GEOG 3120	G	Environmental/GIS Modeling	GEOG 3825	H	Geographies International Develop Africa
GEOG 3130	G	GIS Programming with Python#	GEOG 3830	P	Natural Resource Analysis & Planning +
GEOG 3140	G	GIS Database Design #	GEOG 3840	P/G	Water Resource Analysis
GEOG 3150	G	GIS Project Management	GEOG 3860	G	GIS Applications and Natural Resources
GEOG 3160	G	Web GIS	GEOG 3870	H/P	Water Resources and Sustainability *
GEOG 3170	G	Geospatial Analysis Project	GEOG 3890	H/P	Ecological Economics *
GEOG 3200	G	Remote Sensing	GEOG 3910	P	Geomorphology
GEOG 3230	G	Advanced Remote Sensing *	GEOG 3920	G	Remote Sensing Seminar +
GEOG 3300	H	Cultural Geography +	GEOG 3930	H	Cultural Geography Seminar
GEOG 3310	H/P	Culture/Nature/Econ-Human Ecology #	GEOG 3940	H	Urban Geography Seminar
GEOG 3330	H	Political Geography	GEOG 3950	P	Physical Geography Seminar
GEOG 3340	H/P	Geographies of Migration +	GEOG 3955	P	Pollen Analysis Seminar *
GEOG 3350	H	Qualitative Methods in Geography *	GEOG 3990		Undergraduate Research Seminar
GEOG 3400	H	Urban Landscapes #	GEOG 3991		Independent Study
GEOG 3410	H/G	Urban Applications of GIS *	GEOG 3992		Directed Study
GEOG 3420	H	Urban & Regional Planning #	GEOG 3995		Independent Research
GEOG 3425	H	Urban Sustainability *	GEOG 3999		Geographic Internship

#### ENVI and GEOL courses

ENVI 2660	P	Natural History – Sonora & Baja #	GEOL 2992		Directed Study
ENVI 3000	H/P	Environmental Law #	GEOL 3010	P	Process Geomorphology (GEOG 3910) *
ENVI 3550	H/P	Environmental Issues – Colorado +	GEOL 3100	P	Environmental Geology *
GEOL 1010		Physical Geology	GEOL 3200	P	Sedimentology/Stratigraphy
GEOL 1992		Directed Study	GEOL 3520	P	Erosion Process and Management +
GEOL 2020	P	Historical Geology *	GEOL 3540	P	Hydrology *
GEOL 2380		Rocks and Minerals	GEOL 3900	P	Geomorphology Seminar
GEOL 2400	P	Geology & Ecology SW #	GEOL 3991		Independent Study
GEOL 2800	P	Geology of National Parks +	GEOL 3992		Directed Study

# = offered every year \* = offered every other year + = offered occasionally

**Notes:** Other Geography courses not listed here may count towards elective credits. Grades must be C- or above. No more than 5 quarter hours taken as Independent Study or Independent Research will be counted towards the minimum hours required in the major. Students majoring in Geography may not also major in Environmental Science.

**3. University Common Curriculum (48 quarter hours)**

		<b><u>Quarter offered</u></b>
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

**4. Minor (20+ quarter hours)** You are required to also have a minor degree from any area of concentration at the university (this requirement is waived if you have a double major). As a GEOG major, you cannot minor in GISc. Courses taken for minors, such as Sustainability or Environmental Science, cannot double count towards your GEOG major.

**5. Minimum quarter hours required for a Univ. of Denver BA is 183; 75 hours must be upper-level (2000 or 3000).** Any credits beyond 60 credit hours **within the same department** will not apply towards graduation.

Revised: November 2020