

# Geography, B.S.

The Bachelor of Science in Geography (BS-GEOG) enables students to evaluate critical relationships and changes in society and the environment over time and space through an interdisciplinary approach. The program helps students study Earth's places, peoples, and environments that bridges physical and social science disciplines. It equips students to investigate a variety of concepts, such as land use and land cover change, climate change, geographic inequality, and sustainability. The program prepares students to use qualitative and quantitative tools and geospatial technology to analyze spatial patterns and human-environment relationships on Earth. It offers students the opportunity to further focus their studies on the physical sciences, social sciences, or geospatial technologies to better prepare themselves for their future career and/or educational goals.

## Program Requirements

Code	Title	Credit Hours
<b>Total Credit Hours</b>		<b>120</b>
<b>General Education Requirements</b>		<b>36 Credits</b>
ENGL 1010 or ENGH 1005	Introduction to Academic Writing CC Literacies and Composition Across Contexts CC	3
ENGL 2010	Intermediate Academic Writing CC	3
MATH 1050 or MATH 1055	College Algebra QL College Algebra with Preliminaries QL	4
Complete one of the following:		3
HIST 2700 & HIST 2710	US History to 1877 AS and US History since 1877 AS (6)	
HIST 1700	American Civilization AS (3)	
HIST 1740	US Economic History AS (3)	
POLS 1000	American Heritage AS (3)	
POLS 1100	American National Government AS (3)	
Complete the following:		
PHIL 2050	Ethics and Values IH	3
HLTH 1100 or EXSC 1097	Personal Health and Wellness TE Fitness for Life TE	2
Distribution Courses:		
METO 1010 or METO 1060 or ENVT 1110 or GEOG 1800 or GEO 1010 or GEO 1030 or GEO 1040 or GEO 1050	Introduction to Meteorology PP Fundamentals of Weather Forecasting PP Introduction to Environmental Management PP Mapping the World with Geospatial Technology PP Introduction to Geology PP Natural Disasters and the Environment PP The Dinosaurian World PP Geology of National Parks PP	3
GEOG 1000	Introduction to Physical Geography PP	3
GEOG 130G	Survey of World Geography GI SS	3
Biology Distribution		3
Humanities Distribution		3
Fine Arts Distribution		3
<b>Discipline Core Requirements</b>		<b>84 Credits</b>
GEOG 140G	Introduction to Human Geography SS GI	3
GEOG 2000	Sustainability and Environment SS	3
GEOG 3110	Urban Geography WE	3
GEOG 3200	Geography of Utah	3
GEOG 3500 & GEOG 3505	Geomorphology WE and Geomorphology Lab	4

GEOG 3600	Introduction to Geographic Information Systems	4
GEOG 3650	Advanced Geographic Information Systems	4
GEO 480R	Earth Science Seminar (taken twice)	1
STAT 2040	Principles of Statistics QL	4
Select 12 credits from the following physical and life science courses <sup>1, 2</sup>		12
GEOG 1005	Introduction to Physical Geography Lab (1)	
GEO 1015	Introduction to Geology Laboratory (1)	
GEOG 1800	Mapping the World with Geospatial Technology PP (undefined)	
GEOG 3300	Biogeography (4)	
GEOG 3400	Environmental Remote Sensing (3)	
GEOG 3440	Geospatial Data Science (3)	
GEOG 3700	Wetland Studies (3)	
GEOG 3705	Wetland Studies Laboratory (1)	
BIOL 3700	General Ecology (3)	
ENVT 2730	Introduction to Soils (4)	
ENVT 3790	Applied Hydrology WE (4)	
ENVT 3800	Energy Use on Earth GI (3)	
GEO 1010	Introduction to Geology PP (3)	
or GEO 1030	Natural Disasters and the Environment PP	
or GEO 1040	The Dinosaurian World PP	
or GEO 1050	Geology of National Parks PP	
GEO 3200	Geologic Hazards (4)	
GEO 3080	Earth Materials WE (3)	
GEO 3085	Earth Materials Laboratory (1)	
GEO 4790	Hydrogeology (undefined)	
GEOG 4100	Geospatial Field Methods (3)	
METO 3100	Climate and the Earth System (3)	
Select 12 credits from the following social science classes <sup>1, 2</sup>		12
GEOG 2100	Geography of the United States SS (3)	
GEOG 2500	Geography of Latin America and the Caribbean (3)	
GEOG 3010	Economic Geography (3)	
GEOG 3250	Cultural Geography (3)	
GEOG 3430	Political Geography (3)	
GEOG 3350	Geography of Africa (undefined)	
GEOG 3800	Environmental History of the United States (3)	
SOC 3520	Environmental Sociology (3)	
or ENST 3520	Environmental Sociology	
SOC 4020	Survey Research Design (3)	
or ANTH 3850	Ethnographic Methods WE	
ENST 3000	Introduction to Environmental Studies (3)	
ENVT 3770	Natural Resources Management (3)	
ENVT 3750	Land Use Planning (3)	
ENVT 3850	Environmental Policy WE (3)	
Electives <sup>1</sup>		31
Choose any classes from the following list or any classes from the following prefixes: GEOG, GEO, ENVT, ENST, AIST, ANTH, SOC, BIOL, CHEM, PHYS, NSS, HIST, GIS, MATH, STAT, CS.		
GEOG 482R	GIS Internship (1-3)	
GEOG 489R	Student Research in Geography (1-4)	
AIST 327G	Indians of Utah GI (3)	
HIST 384G	American Indian History since 1890 GI (3)	
ANTH 3150	Culture Ecology and Health (3)	
ANTH 3300	Culture Development and International Aid (3)	

ANTH 3660	Globalized Society (3)
BIOL 2500	Environmental Biology BB (3)
CHEM 1210	Principles of Chemistry I PP (4)
CHEM 1215	Principles of Chemistry I Laboratory (1)
CHEM 1220	Principles of Chemistry II PP (4)
CHEM 1225	Principles of Chemistry II Laboratory (1)
STAT 2060	Introduction to Statistical Computing (1)
STAT 3040	Probability and Statistics for Engineering and the Sciences (3)
ENGL 373R	Literature of Cultures and Places (3)
ENVT 1110	Introduction to Environmental Management PP (3)
ENVT 2560	Environmental Health (3)
ENVT 3600	Appropriate Technology and Sustainable Development for the Developing World (3)
GEO 1220	Historical Geology (3)
GEO 2070	Desert Natural History (3)
GEO 3100	Isotope Geochemistry (3)
GEO 3000	Environmental Geochemistry (3)
GEO 3700	Structure and Tectonics (4)
GEO 4500	Sedimentary Geology WE (4)
MATH 1060	Trigonometry QL (3)
MATH 1210	Calculus I QL (4)
PHIL 3530	Environmental Ethics (3)
PHYS 2010	College Physics I PP (4)
or PHYS 2210	Physics for Scientists and Engineers I PP
PHYS 2020	College Physics II PP (4)
or PHYS 2220	Physics for Scientists and Engineers II PP
SOC 3030	Social Research Methods WE (undefined)
SOC 2370	Sociology of Gender (3)
SOC 3690	Internet Technology and Society (3)
SOC 3850	Rural Life--Global and Local (3)
STAT 2050	Introduction to Statistical Methods (4)

1

You need at least 40 hours of upper division credit to graduate. Work with your advisor to make sure you are meeting the 40 credits of upper division requirement.

2

Courses used for GE distribution credits cannot double count as core or elective classes.

## Graduation Requirements

1. Completion of a minimum of 120 semester credits, including 40 hours of upper-division credit.
2. Overall grade point average of 2.0 (C) or above.
3. Grade of C- or better in every ENVT, GEO, GEOG, METO, and core curriculum course.
4. Residency hours--minimum of 30 credit hours through course attendance at UVU, with at least 10 hours earned in the last 45 hours.
5. **Completion of an exit interview with the department chair and a Qualtrics Exit Survey prior to graduation.**
6. Successful completion of at least one Global/Intercultural course.
7. Successful completion of at least two Writing Enriched (WE) courses.

## Graduation Plan

This graduation plan is a sample plan and is intended to be a guide. Your specific plan may differ based on your Math and English placement and/or transfer credits applied. You are encouraged to meet with an advisor and set up an individualized graduation plan in Wolverine Track (<http://www.uvu.edu/wolverinetrack/>).

**First Year**

<b>Semester 1</b>		<b>Credit Hours</b>
Distribution Class (e.g., METO 1010)		3
GEOG 1000	Introduction to Physical Geography PP	3
MATH 1050	College Algebra QL	4
ENGL 1010	Introduction to Academic Writing CC	3
American Institutions		3

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<b>Credit Hours</b>	<b>16</b>
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**Semester 2**

GEOG 130G	Survey of World Geography GI SS	3
ENGL 2010	Intermediate Academic Writing CC	3
HLTH 1100 or EXSC 1097	Personal Health and Wellness TE or Fitness for Life TE	2
PHIL 2050 or PHIL 205G	Ethics and Values IH or Ethics and Values IH GI	3
STAT 2040	Principles of Statistics QL	4

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<b>Credit Hours</b>	<b>15</b>
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**Second Year****Semester 3**

GEOG 140G	Introduction to Human Geography SS GI	3
GEOG 2000	Sustainability and Environment SS	3
GEOG 3200	Geography of Utah	3
GEOG 3600	Introduction to Geographic Information Systems	4
Core Elective		3

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<b>Credit Hours</b>	<b>16</b>
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**Semester 4**

Humanities Distribution		3
Biology		3
Core Elective		3
GEOG 3650	Advanced Geographic Information Systems	4
Fine Arts Distribution		3

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<b>Credit Hours</b>	<b>16</b>
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**Third Year****Semester 5**

GEO 480R	Earth Science Seminar	0.5
GEOG 3500 & GEOG 3505	Geomorphology WE and Geomorphology Lab	4
Core Elective		3
Core Elective		3
Core Elective		4

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<b>Credit Hours</b>	<b>14.5</b>
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**Semester 6**

GEOG 3110	Urban Geography WE	3
Core Elective		3
Core Elective		4
Core Elective		4
Core Elective		3

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<b>Credit Hours</b>	<b>17</b>
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**Fourth Year****Semester 7**

GEO 480R	Earth Science Seminar	0.5
Core Elective		4
Core Elective		4
Core Elective		4
Core Elective		3

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<b>Credit Hours</b>	<b>15.5</b>
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**Semester 8**

Core Elective		3
Core Elective		3

Core Elective	4
<b>Credit Hours</b>	<b>10</b>
<b>Total Credit Hours</b>	<b>120</b>

## Program Learning Outcomes

1. Synthesize the interconnections between physical and human systems, environment and society, and the applications of geography across spatial and temporal scales.
2. Interpret quantitative and qualitative geographic data using geospatial technologies.
3. Evaluate causes, consequences, and possible solutions to relevant, persistent, contemporary, and emerging global issues using an interdisciplinary, scientific perspective.
4. Communicate scientific data and geographic topics through technical and creative writing, the production of figures, maps, and public and scientific presentations.
5. Collaborate with others through discussion, team problem solving, and group research to build interpersonal and leadership skills.