

Department of

Geography



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Introduction

Geography's ancient intellectual heritage continues today as we examine the complexities and interrelationships of the world's physical and cultural systems. Geography functions as a synthesizing discipline, providing a "bridge" between the physical and social sciences. We strive to perpetuate this long-standing objective by providing classes which investigate both the physical and cultural world. Geography students are taught to think in spatial terms, considering where physical and cultural phenomena are located, why they occupy this space, and the implications of these patterns.

Our courses are designed to fulfill several purposes:

1. Provide exposure to the thinking of influential scholars of the discipline, both past and present.
2. Prepare prospective teachers in geographic fundamentals to facilitate teaching those fundamentals to their students.
3. Encourage an understanding of geographic research and practice.
4. Introduce students to research methodology and "leading edge" technology in geographic research and practice, in areas such as GIS and land-use planning.
5. Help students gain geographic literacy and certification as teachers of Geography at the secondary level.
6. Support the mission of BYU-Idaho and The Church of Jesus Christ of Latter-day Saints.

Career Opportunities

It is recommended that those with an interest in becoming geographers seek a broad background in many fields, especially in the Social and Earth Sciences. Geography majors may choose from careers in travel and tourism, cartography, business, government, education, planning and resource management, or Geographic Information Systems.

Further Education

A geography-based, "Travel and Tourism" four-year degree program is available at BYU. This program is for students interested in careers as travel agents or tourism related careers. You can complete two of the core courses of this program (GEOG 101 and GEOG 120), while at BYU - Idaho. Contact BYU Department of Geography for further information.

BYU-Idaho students may obtain a Bachelor of Science degree in geography from the University of Montana through a 2+2 arrangement (two years at BYU-I and two years at the University of Montana). Contact the BYUI-Idaho Geography Department for more information.

Department Requirements

Students must earn a C- or better in all courses.

Geography

Brigham Young University-Idaho 2016-2017

Minor in Geography (111)		
Physical Geography <i>Take these courses</i> GEOG 101 3 GEOG 101L <u>1</u> 4	Methodology <i>Take 2 courses</i> GEOG 230 3 GEOG 240 3 GEOG 340* 3 GEOG 350 <u>3</u> 6	<i>Program Notes:</i> •Students must maintain a minimum grade of C- in their minor courses. •Must take GEOG 230 as a co-requisite or a prerequisite for GEOG 340.
World Geography <i>Take this course</i> GEOG 120 <u>3</u> 3	Capstone/Field Experience <i>Take these courses</i> GEOG 390 3 GEOG 391R <u>1</u> 4	
Regional Geography <i>Take these courses</i> GEOG 320 3 GEOG 321 <u>3</u> 6		
Credit Requirements:		Tracks Available:
Total	23	Fall-Winter Yes Winter-Spring Yes Spring-Fall Yes

Minor in Geography Education (112)		
Physical Geography <i>Take these courses</i> GEOG 101 3 GEOG 101L <u>1</u> 4	Methodology <i>Take 1 course</i> GEOG 230 3 GEOG 240 <u>3</u> 3	<i>Program Notes:</i> •Students must maintain a minimum grade of C- in their minor courses.
World Geography <i>Take these courses</i> GEOG 120 3 GEOG 350 <u>3</u> 6	Teaching Methods <i>Take these courses</i> GEOG 206 1 GEOG 406 <u>2</u> 3	
Regional Geography <i>Take 1 course</i> GEOG 320 3 GEOG 321 <u>3</u> 3	Capstone/Field Experience <i>Take these courses</i> GEOG 390 3 GEOG 391R <u>1</u> 4	
Credit Requirements:		Tracks Available:
Total	23	Fall-Winter Yes Winter-Spring Yes Spring-Fall Yes

Minor in Geographical Information Systems (GIS) Technology (222)				
Core Courses <i>Take these courses:</i> CIT 111 3 CS 101 2 GEOL 341 <u>1</u> 6 <i>Take 1 course:</i> MATH 221A 3 MATH 221B 3 MATH 221C <u>3</u> 3	<i>Take 1 course:</i> GEOG 230 3 GEOL 340 <u>3</u> 3 GIS Courses <i>Take 1 course:</i> AGTEC 286 3 GEOG 340 3 GEOL 340 <u>3</u> 3	GIS Project <i>Take 1 course*:</i> AGTEC 486 3 GEOL 440R <u>3</u> 3	Supplemental Courses <i>Take 2 courses:</i> AGRON 425 3 CIT 160 3 CIT 260 3 COMM 125 3 GEOG 240 3 ME 142 or CIT 110 <u>3</u> 6	<i>Program Notes:</i> •No Double Counting of Minor Courses •No Grade Less Than C- Minor Courses •*A directed studies or other project oriented course in a students chosen discipline may be substituted for this requirement with the Geology Chairs permission.
Credit Requirements:			Tracks Available:	
Total	24		Fall-Winter Yes Winter-Spring Yes Spring-Fall Yes	

Geography Predefined Clusters

Geography		4000
<i>Take these courses:</i>		
GEOG 101	Introduction to Physical Geography	3
GEOG 101L	Physical Geography Lab	1
GEOG 120	Geography and World Affairs	3
GEOG 230	Introduction to GIS	3
GEOG 350	Cultural Geography	3
Total Credits		13

Geographic Information Systems for Geographers		4001
<i>Take these courses:</i>		
CIT 160	Introduction to Programming	3
CIT 225	Database Design and Development	3
GEOG 240	Maps and Remote Sensing	3
<i>Take 1 course:</i>		
AGTEC 286	Introduction to GIS	3
GEOG 230	Introduction to GIS	3
<i>Take 1 course:</i>		
GEOG 340	Advanced GIS and Spatial Analysis	3
GEOL 440R	Applied GIS and Remote Sensing	3
Total Credits		15

Geographical Information System (GIS)		6801
<i>Take this course:</i>		
GEOL 341	Introduction to Mobile GPS	1
<i>Take 1 course:</i>		
AGTEC 286	Intro to Geographic Information Systems	3
GEOG 230	Intro to Geographic Information Systems	3
GEOL 340	Introduction to GIS for Geoscientists	3
<i>Take 1 course:</i>		
MATH 221A	Business Statistics	3
MATH 221B	Biostatistics	3
MATH 221C	Social Science Statistics	3
<i>Take 1 course:</i>		
AGTEC 486	Precision Agriculture	3
GEOG 340	Advanced GIS and Spatial Analysis	3
GEOL 340	Introduction to GIS for Geoscientists	3
GEOL 440R	Applied GIS	3
<i>Take 1 course:</i>		
CIT 111	Introduction to Databases	3
CIT 160	Introduction to Programming	3
COMM 125	Visual Fundamentals	3
CS 101	Introduction to Programming	2
Total Credits		12

Course Descriptions

Credits*

GEOG 101 Introduction Physical Geography	(3:3:0:0)
This course is a geographic approach to the study of the physical environment. (Fall, Winter, Spring)	
GEOG 101L Physical Geography Lab	(1:0:1:0)
This course is the lab for Physical Geography. (Fall, Winter, Spring)	
GEOG 110 Geography for Elementary Teacher	(3:3:0:0)
This course introduces elementary education majors to the fundamentals of Physical and Human Geography. (Fall, Winter, Spring)	
GEOG 120 Geography and World Affairs	(3:3:0:0)
The course involves the study of human cultures as they interact with each other and with their physical environment. (Fall, Winter, Spring)	
GEOG 206 Introduction to Secondary Methods	(1:1:0:0)
This course is an introduction to methods of effective teaching for secondary education majors. (Fall, Winter, Spring)	
GEOG 230 Introduction to Geographic Information Systems	(3:3:0:0)
This course provides a foundation in the spatial theory that is the basis of geographic information systems, along with a basic understudy of the operating procedures and capabilities of GIS software. (Fall, Winter, Spring)	
GEOG 240 Maps and Remote Sensing	(3:3:0:0)
This course is an introduction to the principles of cartography and various types of remote sensing. (Fall, Winter, Spring)	
GEOG 320 Geography of North America	(3:3:0:0)
This course examines the physical and historical geography of North America while considering the environmental, cultural, economic, and demographic processes that are reshaping this region. (Fall, Winter, Spring)	
GEOG 321 Geography of Developing Nations	(3:3:0:0)
This course will focus on underdeveloped regions of the world to examine major themes related to development and underdevelopment, poverty and wealth, equality and inequality. (Winter, Spring)	

GEOG 340 Advanced GIS and Spatial Analysis (3:3:0:0)

This course is a continuation of GEOG 230 with an emphasis on spatial interpolation, spatial modeling, and use of locational knowledge in decision making. Present and potential applications of GIS and spatial theory in various disciplines are also explored.
(Fall, Winter, Spring)

GEOG 350 Cultural Geography (3:3:0:0)

This course involves a systematic study of various cultural geographic themes including population, language, religion, politics, ethnicity, and pop culture.
(Fall, Winter, Spring)

GEOG 390 Human-Environment Relations: Protected Landscapes (3:3:0:0)

Using the human-environment tradition of geographic scholarship, this course will study perceptions of global environments and the processes that have resulted in preservation, reservation or other exclusion of particular landscapes. This analysis will use historical, political, legal and other relevant facets of cultures to determine why certain spaces have been deemed and designated as extraordinary. Finally, it will analyze protected areas regionally, stressing classification and scale, evaluating consequences to the environments and cultures.
(Fall, Winter, Spring)

GEOG 391R Geography Field Experience (1:1:0:0)

Repeatable Course: May earn maximum of 2 credits
Total Course Fees: \$100.00

This course is designed to complement GEOG 390: Human-Environment Relations. Together, they serve as a capstone experience for Geography and Geography Education minors.
(Fall, Winter)

GEOG 398R Geography Internship (1-6:0:0:0)

Repeatable Course: May earn maximum of 6 credits
Internship Fees: \$81.50 (LDS) \$163 (non-LDS) per credit

Exempt from tuition, but charged this independent course fee

This internship is a cooperative program between the BYU-Idaho Department of History, Geography, and Political Science and an approved organization. Professional internships correlate actual work experience with course work, provide students with knowledge of career opportunities, and give students work experience in preparation for employment after graduation. Ideas for internships are developed by the student in consultation with the department internship coordinator.
(Fall, Winter, Spring)

GEOG 406 Secondary Methods (2:2:0:0)

Prerequisites: GEOG 206 and ED 361

This is a final pre-student teaching course for secondary education majors and minors in the social sciences. It will provide some instruction in writing objectives, reading strategies, writing assessments, writing lesson plans, and using various instructional methods in actual teaching experiences.
(Fall, Winter, Spring)