

Department of

Geography



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 Sean Cannon, Theron Josephson, Michael Madsen

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<http://www.byui.edu/History>

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 Minor (111)																					
Core Courses <i>Take these courses:</i> <table style="width: 100%; border-collapse: collapse;"> <tr><td>GEOG 101</td><td style="text-align: right;">3</td></tr> <tr><td>GEOG 101L</td><td style="text-align: right;">1</td></tr> <tr><td>GEOG 120</td><td style="text-align: right;">3</td></tr> <tr><td>GEOG 230</td><td style="text-align: right;">3</td></tr> <tr><td>GEOG 240</td><td style="text-align: right;">3</td></tr> <tr><td>GEOG 320</td><td style="text-align: right;">3</td></tr> <tr><td>GEOG 321</td><td style="text-align: right;">3</td></tr> <tr><td>GEOG 350</td><td style="text-align: right;">3</td></tr> <tr><td>GEOG 390</td><td style="text-align: right;">3</td></tr> <tr><td style="border-top: 1px solid black;"></td><td style="text-align: right; border-top: 1px solid black;">25</td></tr> </table>	GEOG 101	3	GEOG 101L	1	GEOG 120	3	GEOG 230	3	GEOG 240	3	GEOG 320	3	GEOG 321	3	GEOG 350	3	GEOG 390	3		25	Program Notes: <ul style="list-style-type: none"> •No Double Counting of Minor Courses •Students must maintain a minimum grade of C- in their minor courses.
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GEOG 101L	1																				
GEOG 120	3																				
GEOG 230	3																				
GEOG 240	3																				
GEOG 320	3																				
GEOG 321	3																				
GEOG 350	3																				
GEOG 390	3																				
	25																				
Credit Requirements:																					
Total	25																				
Tracks Available:																					
Fall-Winter	Yes																				
Winter-Spring	Yes																				
Spring-Fall	Yes																				

Minor in Geography Education (112)																										
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GEOG 101	3																									
GEOG 101L	1																									
GEOG 120	3																									
GEOG 206	1																									
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Total	22	Fall-Winter Yes																								
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Geographical Information Systems (GIS) Technology Minor (222)																																																						
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CIT 111	3																																																					
CS 101	2																																																					
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Credit Requirements:			Tracks Available:																																																			
Total	24	Fall-Winter	Yes																																																			
		Winter-Spring	Yes																																																			
		Spring-Fall	Yes																																																			

Geography Pre-approved 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	3
	Total Credits	15

Geographical Information System (GIS)		6801
<i>Take this course:</i>		
GEOL 140	Intro to Global Positioning Systems	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 This course is a geographic approach to the study of the physical environment. (Fall, Winter, Spring)	(3:3:0:0)
GEOG 101L Physical Geography Lab This course is the lab for Physical Geography. (Fall, Winter, Spring)	(1:0:1:0)
GEOG 110 Geography for Elementary Teacher This course introduces elementary education majors to the fundamentals of Physical and Human Geography. (Fall, Winter, Spring)	(3:3:0:0)
GEOG 120 Geography and World Affairs The course involves the study of human cultures as they interact with each other and with their physical environment. (Fall, Winter, Spring)	(3:3:0:0)
GEOG 206 Introduction to Secondary Methods This course is an introduction to methods of effective teaching for secondary education majors. (Fall, Winter, Spring)	(1:1:0:0)
GEOG 230 Introduction to Geographic Information Systems 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)	(3:3:0:0)
GEOG 240 Maps and Remote Sensing This course is an introduction to the principles of cartography and various types of remote sensing. (Fall, Winter, Spring)	(3:3:0:0)
GEOG 320 Geography of North America 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)	(3:3:0:0)
GEOG 321 Geography of Developing Nations 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)	(3:3:0:0)

GEOG 340 Advanced GIS and Spatial Analysis 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)	(3:3:0:0)
GEOG 350 Cultural Geography This course involves a systematic study of various cultural geographic themes including population, language, religion, politics, ethnicity, and "pop culture." (Fall, Winter, Spring)	(3:3:0:0)
GEOG 390 Human-Environment Relationships: Protected Landscapes 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)	(3:3:0:0)
GEOG 398R Geography Internship Repeatable Course: May earn maximum of 6 credits Internship Fees: \$78 (LDS) \$156 (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)	(1-6:0:0:0)
GEOG 406 Secondary Methods 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)	(2:2:0:0)