

**DEPARTMENT OF GEOGRAPHY
REQUIREMENTS FOR THE MAJOR WITH GIS EMPHASIS**

Students must complete a minimum of nine (10) courses of Geography required coursework (see list below) plus a minimum of five (5) Geography elective courses for a minimum total of fourteen (15) required Geography courses. All courses for the major must be taken for a letter grade and completed with a C- or better.

RESIDENCY REQUIREMENT: Students must complete at least 18 credit hours in the Department of Geography at the University of Utah.

ALLIED CREDIT REQUIREMENT: 12 credit hours of allied coursework are also required, one of which must be CS 1410 Object-Oriented Programming. Other courses will generally be in the student's interest/specialization area and can be done in any of the following departments: Atmospheric Sciences; Biology; City and Metropolitan Planning; Civil Engineering; Computer Science; Geology; Parks, Recreation and Tourism; Philosophy; or any department** in the College of Social and Behavioral Science. **(Aerospace Studies, Anthropology, Economics, Environmental and Sustainability Studies, Ethnic Studies, Family and Consumer Studies, Gender Studies, Health Society and Policy, Military Science, Naval Science, Political Science, Psychology, Sociology)

PROGRAM OF STUDY

Code	Course Number and Title	Credit Hrs	Sem/Year Taken	Grade
	Required Courses (<i>Geography Core Requirements</i>)			
SF	GEOG 1000 – Earth Environments and Global Change (<i>All/ +online</i>)	3		
BF	GEOG 1400 – Human Geography (<i>All/ +online</i>)	3		
QB/QI	GEOG 3020 – Geographical Analysis (<i>Spring</i>)	4		
QI	GEOG 3100 – Introduction to GIS & Cartography (<i>Fall / & online Spring or Summer</i>)	5		
	One of the following: (<i>Upper Division Physical Geography Choice List</i>)			
	GEOG 3200 – Geomorphology: Mtns, Rivers, Deserts OR	4		
	GEOG 3/5205 – Regional and Global Climates OR	3		
SF	GEOG 3/5210 – Global Climate Change OR	3		
	GEOG 3/5215 – Climate Change and Its Impacts OR	3		
AS	GEOG 3/5290 – Water in Utah OR	3		
	GEOG 3/5292 – Snow and Ice OR	3		
SF	GEOG 3310 – Introduction to Natural Hazards	3		
	One of the following: (<i>Upper Division Human Geography Choice List</i>)			
	GEOG 3/5090 – Introduction to Medical Geography OR	3		
	GEOG 3350 – Resource Conservation & Environ. Mgt. OR	3		
	GEOG 3/5375 – Sustainable Transportation OR	3		
	GEOG 3420 – Political Geography OR	3		
IR	GEOG 3/5440 – Global Economic Geography OR	3		
	GEOG 3480 – Urban Geography OR	3		
DV	GEOG 3620 – Geography of North America (<i>All/ online + classroom Spring</i>)	3		
	One of the following: (<i>Geography CW Choice List</i>)			
CW	GEOG 3/5270 – Biogeography: Global Patterns of Life OR (<i>Spring</i>)	4		
CW	GEOG 3/5400 – Population Geography (<i>Fall</i>)	4		
	GIS Emphasis Core: (<i>required core courses for emphasis</i>)			
	GEOG 1180 – Introduction to Geo-Programming (<i>Spring</i>)	3		
	GEOG 3170 – GeoData Field Methods (<i>Fall</i>)	3		
	GEOG 5140 – Methods in GIS (<i>Spring / & online Summer</i>)	4		
	GEOG 5150 – Spatial Data Design for GIS (<i>Fall</i>)	4		
	GEOG 5161 – Capstone in Geographic Information Science (<i>Spring</i>)	3		
	GIS Emphasis Electives: (<i>select one course from the list</i>)			
	GEOG 5160 – Spatial Modeling with GIS (<i>Spring</i>)	4		
	GEOG 5165 – Web GIS (<i>Spring</i>)	3		
	GEOG 5180 – Geoprocessing with Python (<i>Fall</i>)	3		
	GEOG 5190 – GIS for Environmental and Public Health	3		
	TOTAL COURSES (min. 13)			
	TOTAL RESIDENCY HRS. (18 cr. hrs. at U of U Geog. Dept.)			

ALLIED COURSES

	Course Number and Title	Credit Hrs	Sem/Year Taken	Grade

	TOTAL CREDIT HOURS (min. 12 credit hours)			

Students who have questions about the major should consult with the undergraduate advisor at 801-581-8218.

6/1/14

General Education Requirements:

U of U GPA above 2.0:

Credit Hours completed out of 122:

Upper Division (3000+) completed out of 40:

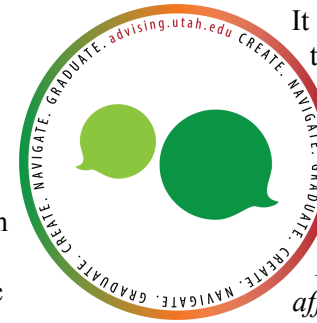
Residency: 30 credits at U of U; 20 of last 30 at U of U.

Additional Notes:



Fall	Spring	Summer
15	15	0
12	12	6
10	10	10

Tips for successful scheduling: Advisors recommend that students plan on taking at least 30 credit hours in 3 semesters to finish your degree in a timely manner. Talk to your Academic Advisor to make a unique academic plan specific to your individual needs!



This is an unofficial document.
 It is the student's responsibility to ensure that their Degree Audit is accurate and that they have fulfilled all of their graduation requirements, including: University requirements, Bachelor's Degree requirements, General Education requirements and Major requirements.
Dropping or failing courses may adversely affect graduation, and students should consult with their advisor.

Semester _____

Course	Credit Hours
Total Hours:	

Semester _____

Course	Credit Hours
Total Hours:	

Semester _____

Course	Credit Hours
Total Hours:	

Semester _____

Course	Credit Hours
Total Hours:	

Semester _____

Course	Credit Hours
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Course	Credit Hours
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Course	Credit Hours
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Course	Credit Hours
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Semester _____

Course	Credit Hours
Total Hours:	