

**DEPARTMENT OF GEOGRAPHY**  
**REQUIREMENTS FOR THE MAJOR – REMOTE SENSING OF THE ENVIRONMENT EMPHASIS**

Students must complete a minimum of seven (7) courses of Geography required coursework (see list below) plus five (5) required remote sensing courses for a minimum total of thirteen (12) 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. These courses will generally be in the student's interest/specialization area and can be done in any of the following departments: Atmospheric Sciences; Biology; Chemistry; City and Metropolitan Planning; Civil Engineering; Computer Science; Geology; Math; Parks, Recreation and Tourism; Philosophy; Physics; 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
	<b>Required Courses</b> ( <i>Geography Core Requirements</i> )			
SF	GEOG 1000 – Earth Environments and Global Change	3		
BF	GEOG 1400 – Human Geography	3		
QB/QI	GEOG 3020 – Geographical Analysis ( <i>Spring</i> )	4		
QI	GEOG 3100 – Intro to GIS & Cartography ( <i>Fall / +online Spring or Summer</i> )	5		
	<b>One of the following:</b> ( <i>Upper Division Physical Geography Choice List</i> )			
	GEOG 3200 – Geomorphology: Mtns, Rivers, Deserts <b>OR</b> ( <i>Fall</i> )	4		
	GEOG 3/5205 – Regional and Global Climates <b>OR</b> ( <i>Fall</i> )	3		
SF	GEOG 3/5210 – Global Climate Change <b>OR</b> ( <i>Spring</i> )	3		
	GEOG 3/5215 – Climate Change and Its Impacts <b>OR</b> ( <i>Fall</i> )	3		
AS	GEOG 3/5290 – Water in Utah <b>OR</b> ( <i>alternate Fall</i> )	3		
	GEOG 3/5292 – Snow and Ice <b>OR</b>	3		
SF	GEOG 3310 – Introduction to Natural Hazards	3		
	<b>One of the following:</b> ( <i>Upper Division Human Geography Choice List</i> )			
	GEOG 3/5090 – Introduction to Medical Geography <b>OR</b>	3		
	GEOG 3350 – Resource Conservation & Environ. Mgt. <b>OR</b>	3		
	GEOG 3/5375 – Sustainable Transportation <b>OR</b>	3		
	GEOG 3420 – Political Geography <b>OR</b>	3		
IR	GEOG 3/5440 – Global Economic Geography <b>OR</b> ( <i>Spring</i> )	3		
	GEOG 3/5480 – Urban Geography <b>OR</b>	3		
DV	GEOG 3620 – Geography of North America	3		
	<b>One of the following:</b> ( <i>Geography CW Choice List</i> )			
CW	GEOG 3/5270 – Biogeography: Global Patterns of Life <b>OR</b> ( <i>Spring</i> )	4		
CW	GEOG 3/5400 – Population Geography ( <i>Fall</i> )	4		
	<b>Remote Sensing of the Environment:</b> ( <i>required core courses for emphasis</i> )			
	GEOG 3110 – The Earth from Space ( <i>Fall</i> )	3		
	GEOG 5110 – Environmental Analysis Through Remote Sensing ( <i>Spring</i> )	3		
	GEOG 5120 – Environmental Optics	3		
	GEOG 5130 – Advanced Remote Sensing Applications	3		
	GEOG 5131 – Capstone in Remote Sensing ( <i>Spring</i> )	3		
	<b>Remote Sensing Optional Elective:</b> ( <i>strongly recommended</i> )			
	GEOG 1180 – Intro to Geo-Programming ( <i>Spring</i> )	3		
	<b>TOTAL COURSES (min. 12)</b>			
	<b>TOTAL RESIDENCY HRS. (18 cr. hrs. at U of U Geog. Dept.)</b>			

**ALLIED COURSES**

	Course Number and Title	Credit Hrs	Sem/Year Taken	Grade
	<b>TOTAL CREDIT HOURS (min. 12 credit hours)</b>			

Students who have questions about the major should book an advising appointment at [geog.utah.edu](http://geog.utah.edu).

## **General Education Requirements:**

U of U GPA above 2.0:

Credit Hours completed out of 122:

Upper Division (3000+) completed out of 40:

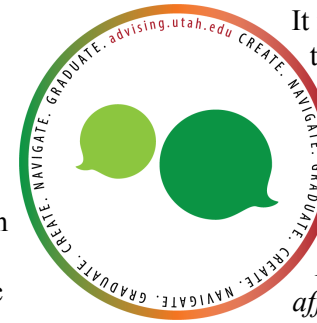
Residency: 30 credits at U of U; 20 of last 30 at U of U.

## **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
<b>Total Hours:</b>	

Semester \_\_\_\_\_

Course	Credit Hours
<b>Total Hours:</b>	

Semester \_\_\_\_\_

Course	Credit Hours
<b>Total Hours:</b>	

Semester \_\_\_\_\_

Course	Credit Hours
<b>Total Hours:</b>	

Semester \_\_\_\_\_

Course	Credit Hours
<b>Total Hours:</b>	

Semester \_\_\_\_\_

Course	Credit Hours
<b>Total Hours:</b>	

Semester \_\_\_\_\_

Course	Credit Hours
<b>Total Hours:</b>	

Semester \_\_\_\_\_

Course	Credit Hours
<b>Total Hours:</b>	

Semester \_\_\_\_\_

Course	Credit Hours
<b>Total Hours:</b>	