

**DEPARTMENT OF GEOGRAPHY**  
**REQUIREMENTS FOR THE MAJOR – ECOLOGY & BIOGEOGRAPHY EMPHASIS**

Students must complete a minimum of seven (7) courses of Geography required coursework (see list below) plus one (1) upper division geography elective course, in addition to a minimum of six (6) ecology & biogeography required and elective courses for a minimum total of fourteen (14) 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; 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
	<b>Required Courses:</b> ( <i>Geography Core Requirements</i> )			
SF	GEOG 1000 – Earth Environments and Global Change ( <i>All / +online</i> )	3		
	GEOG 1010 – Introduction to Geographic Data ( <i>online only</i> )	<b>1</b>		
BF	GEOG 1400 – Human Geography ( <i>All / +online</i> )	3		
QB/QI	GEOG 3020 – Geographical Analysis ( <i>Spring</i> )	4		
	GEOG 3040 – Principles of Cartography ( <i>Fall</i> )	4		
QI	GEOG 3140 – Introduction to GIS ( <i>Fall / +online Spring or Summer</i> )	4		
	<b>One of the following:</b> ( <i>Upper Division Human Geography Choice List</i> )			
	GEOG 3/5090 – Introduction to Medical Geography <b>OR</b> ( <i>Spring</i> )	3		
BF	GEOG 3350 – Resource Conservation & Environ. Mgt. <b>OR</b> ( <i>all</i> )	3		
	GEOG 3/5375 – Sustainable Transportation <b>OR</b>	3		
	GEOG 3420 – Political Geography <b>OR</b> ( <i>Fall</i> )	3		
BF/IR	GEOG 3/5440 – Global Economic Geography <b>OR</b> ( <i>Spring</i> )	3		
BF	GEOG 3/5480 – Urban Geography <b>OR</b> ( <i>Spring</i> )	3		
DV	GEOG 3620 – Geography of North America ( <i>All - online</i> )	3		
	<b>Ecology &amp; Biogeography Core :</b> ( <i>required core courses for emphasis</i> )			
SF	GEOG 3200 – Geomorphology: Mtns, Rivers, Deserts ( <i>Fall</i> )	4		
	GEOG 3/5205 – Regional and Global Climates ( <i>Fall</i> )	3		
SF/CW	GEOG 3/5270 – Biogeography: Global Patterns of Life ( <i>Spring</i> )	4		
	<b>Ecology &amp; Biogeography Electives:</b> ( <i>select three elective courses from list</i> )			
AS	GEOG 5230 – Pyrogeography	3		
	GEOG 5275 – Vegetation and Climate Change ( <i>Spring</i> )	3		
	GEOG 5280 – Quaternary Environments	3		
	GEOG 5420 – Pollen Analysis	3		
	GEOG 5712 – Paleoenvironmental Field Methods for Geographers ( <i>Summer</i> )	3		
	<b>Elective Courses:</b> ( <i>Select an upper division geography course of your choice</i> )			
	GEOG 3###			
	<b>TOTAL COURSES (min. 14)</b>			
	<b>TOTAL RESIDENCY HRS. (18 cr. hrs. at U of U Geog. Dept.)</b>			

\*GEOG 5940 Internship in Geography may be counted only once toward the major elective requirement and does not count as the required 5000-level elective course

**ALLIED COURSES**

Code	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 consult with the undergraduate advisor at 801-581-8218.