

Geography Major – Physical-Environmental Track – Fall 2014

16 units core

_____	100 Introduction to Geography	1 unit
_____	210 Physical Geography	5 units
_____	230 Human Geography	3 units
_____	270 GIS I: Introduction to GIS and Mapping	3 units
_____	400 Capstone in Geography	1 unit
_____	4XX One course from list below:	3 units
	420 Human and Climate Interactions	
	423 Rivers and Floods	
	440 Applied Business GIS Applications	
	444-Urban Land Use Planning	
	452 Cultural Ecology & Sustainable Development	
	455 Advanced Topics in Human Geography	
	460 GIS In Water Resources	
	470 Applied Environmental & Natural Resources GIS	
	477 Advanced GIS	
	485 Internship in Geography	
	491 Travel Study – Geography or Geology	
	492 Field Course – Geography or Geology	
	499 Geography Thesis	

6-9 units from Physical Systems Courses

_____	300 Soil Science	3 units
_____	310 Geomorphology	3 units
_____	320 Meteorology and Climate	3 units
_____	330 Biogeography	3 units
_____	423 Rivers and Floods	3 units

6-9 units from Environmental Systems Courses

_____	252 Human Environmental Problems	3 units
_____	323 Water Resources	3 units
_____	352 Geohazards	3 units
_____	420 Human and Climate Interactions	3 units
_____	423 Rivers and Floods	3 units
_____	452 Cultural Ecology and Sustainable Development	3 units

Optional Environmental Systems Courses (maximum 3 units)

_____	301 Environmental Geology (Geology)	3 units
_____	257 Introduction to Ecology (Biology)	3 units

3-6 units from Techniques Courses

_____	290 Spatial Analysis	3 units
_____	370 GIS I: Spatial Data and Analysis	3 units
_____	377 Remote Sensing of the Environment	3 units
_____	380 Cartography and Geovisualization	3 units
_____	450 Advanced Methods in Physical Geography	4 units
_____	460 GIS in Water Resources	3 units
_____	470 Applied Environmental & Natural Resource GIS	3 units
_____	477 Advanced GIS	3 units

34 Minimum units in Geography

3 units in English

_____	370 Advanced Composition	3 units
_____	372 Technical and Scientific Writing	3 units

Suggested Minors

Biology
Geology
Chemistry
Physics
Math
Computer Science

Your Bachelor's Degree

Note this track requires that students pursue a B.S. degree. The B.S. degree requires at least 10 credits of lab courses and 3-5 credits of math beyond 141. See the Undergraduate Bulletin for details.

Graduate School

For students considering graduate school, taking a statistics course would be wise since most graduate programs will require such a course. This track is designed to prepare the student for graduate studies in physical geography, environmental science, and climatology.

Student Portfolio

Students should be maintaining a portfolio which will contain examples of their work (papers, maps, GIS project, etc.) and effectively advertise their knowledge and skill level to potential internship agencies and most importantly to employers after graduation.