

# GEOGRAPHY & GEOGRAPHIC INFORMATION SCIENCE: PHYSICAL GEOGRAPHY, BSLAS

*for the degree of Bachelor of Science in Liberal Arts & Sciences: Major in Geography & Geographic Information Science, Physical Geography Concentration*

**department catalog page: Geography** (<http://catalog.illinois.edu/las/geography>)

**department website:** <https://www.geog.illinois.edu/>

**department faculty: Geography Faculty** (<https://www.geog.illinois.edu/people>)

**overview of college admissions & requirements: Liberal Arts & Sciences** (<http://catalog.illinois.edu/las>)

**college website:** <https://las.illinois.edu/>

**email:** [geography@illinois.edu](mailto:geography@illinois.edu)

A Major Plan of Study Form must be completed and submitted to the LAS Student Affairs Office by the beginning of the fifth semester (60-75 hours).

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**General education: Students must complete the Campus General Education** (<https://courses.illinois.edu>) **requirements including the campus general education language requirement.**

**Minimum required major and supporting course work: a minimum of 40 upper-division hours. Twelve (12) hours of 300- and 400-level courses in the major must be taken on this campus.**

## Geography and Geographic Information Science Core Requirements

Code	Title	Hours
<b>Total Core Hours</b>		10-16
<b>Select one of the following three(3) courses:</b>		3-4
GEOG 100	Introduction to Meteorology	
GEOG 103	Earth's Physical Systems	
GEOG 222	Big Rivers of the World	
<b>Select one of the following six (6) courses:</b>		3-4
GEOG 101	Global Development&Environment	
GEOG 104	Social and Cultural Geography	
GEOG 105	The Digital Earth	
GEOG 106	Geographies of Globalization	
GEOG 210	Social & Environmental Issues	
GEOG 221	Geographies of Global Conflict	
<b>Select one of the following two (2) courses:</b> <sup>1</sup>		4-8
GEOG 371	Spatial Analysis	
GEOG 379	Intro to GIS Systems	

<sup>1</sup> Students pursuing the Geographic Information Science Concentration are required to take both GEOG 371 and GEOG 379.

## Physical Geography Concentration Requirements:

Code	Title	Hours
<b>Total Concentration required hours</b>		
200- to 400-level Geography and Geographic Information Science courses (of which at least 6 hours must be at the 300 or 400 level) selected from the following:		25-27
GEOG 210	Social & Environmental Issues	
GEOG 222	Big Rivers of the World	
GEOG/ NRES 287	Environment and Society	
GEOG 370/ ESE 320	Water Planet, Water Crisis	
GEOG 371	Spatial Analysis	
GEOG 381		
GEOG 390	Individual Study	
GEOG 391	Honors Individual Study	
GEOG/ NRES 401	Watershed Hydrology	
GEOG 405	Geography Field Course	
GEOG 406	Fluvial Geomorphology	
GEOG 408	Humans and River Systems	
GEOG 412	Geospatial Tech & Society	
GEOG/ ATMS 421	Earth Systems Modeling	
GEOG 436/ IB 439	Biogeography	
GEOG 460	Aerial Photo Analysis	
GEOG 468	Biological Modeling	
GEOG 471	Recent Trends in Geog Thought	
GEOG 473	Digital Cartography & Map Design	
GEOG 476	Applied GIS to Environ Studies	
GEOG 477	Introduction to Remote Sensing	
GEOG 478	Techniques of Remote Sensing	
MATH 220	Calculus	4-5
or MATH 220 Calculus I		
PHYS 101	College Physics: Mech & Heat	4-5
or PHYS 21 University Physics: Mechanics		
<b>Select one of the following:</b>		4
CHEM 102 General Chemistry I & CHEM 103 and General Chemistry Lab I		
CHEM 104 General Chemistry II & CHEM 105 and General Chemistry Lab II		
<b>Total Hours required for graduation</b> <sup>1</sup>		120