### Physical Geography Concentration

E-mail: geograph@illinois.edu

A minimum of 35 credit hours of Geography and Geographic Information Science courses are required for the major.

General education: Students must complete the Campus General Education requirements including the campus general education language requirement.

Twelve hours of 300- and 400-level courses in the major must be taken on this campus.

A Major Plan of Study Form must be completed and submitted to the LAS Student Affairs Office before the end of the fifth semester (60-75 hours). Please see your advisor.

Minimum hours required for graduation: 120 hours

Departmental distinction: Students majoring in Geography and Geographic Information Science can earn distinction, high distinction, and highest distinction upon graduation. The requirements for these awards are:

For distinction: 3.3 GPA overall; 3.3 GPA in GGIS courses.

For high distinction: 3.3 GPA overall; 3.75 GPA in GGIS courses.

For highest distinction: 3.3 GPA overall; 3.75 GPA in GGIS courses; satisfactorily complete an independent project (GEOG 391).

Students should consult their advisors regarding distinction requirements as soon as they enter the major (no later than the end of their junior year).

#### Code | Title | Hours
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**Geography and Geographic Information Science Core Requirements**

Select one of the following: 3-4

- ATMS/GEOG 100 Introduction to Meteorology
- GEOG 103 Earth’s Physical Systems
- GEOG 222 Big Rivers of the World

Select one of the following: 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

Choose one of the following: 4

- GEOG 371 Spatial Analysis

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#### Code | Title | Hours
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GEOG 379 | Intro to GIS Systems | 10-12

**Physical Geography Concentration Requirements:**

- 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:

  - GEOG 210 Social & Environmental Issues
  - GEOG 222 Big Rivers of the World
  - ESE 320/GEOG 370 Water Planet, Water Crisis
  - NRES/GEOG 287 Environment and Society
  - GEOG 371 Spatial Analysis
  - GEOG 377 Environmental Perspectives
  - GEOG 390 Individual Study
  - GEOG 391 Honors Individual Study
  - NRES/GEOG 401 Watershed Hydrology
  - GEOG 405 Geography Field Course
  - GEOG 406 Fluvial Geomorphology
  - GEOG 408 Humans and River Systems
  - GEOG 412 Geospatial Tech & Society
  - ATMS/GEOG 421 Earth Systems Modeling
  - IB 439/GEOG 436 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
  - GEOG 481 Intl Environ Cooperation

- MATH 220 Calculus 4-5 or MATH 221 Calculus I

- PHYS 101 College Physics: Mech & Heat 4-5 or PHYS 21 University Physics: Mechanics

Select one of the following: 4

- CHEM 102 General Chemistry I & CHEM 103 General Chemistry Lab I
- CHEM 104 General Chemistry II & CHEM 105 General Chemistry Lab II

**Total Hours**: 37-41