

7. General education:
  - a. Writing: English composition (3 cr.) and intensive writing (3 cr.).
  - b. Foreign language: 3 credit hours at the second-year level.
  - c. Arts and Humanities: two courses.
  - d. Social and Historical studies: two courses, including at least one course from Geography.
  - e. Natural and Mathematical Sciences: fulfilled by major.
  - f. Topics courses: COLL E103 or E104.
  - g. Electives to fulfill remaining credits.

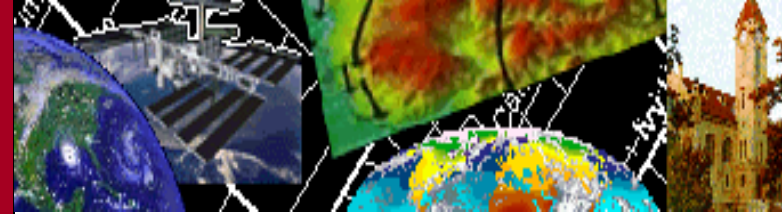
### Minor in Geography

Requirements Students must complete a minimum of 15 credit hours in geography including (a) one course from among G107, G109, G110, and G120; (b) one course in geographic methodology (to be selected from G235, G237, G250, G336, G338, G350, G436, G438, or G488); and at least 6 credit hours at the 300 or 400 level

### What Can You Do With A Geography Degree?

Environmental Impact Analyst	Travel Agent
Social Studies Teacher	Shorelands Management Director
Housing Planner	Development Specialist
Computer Mapping Technician	Census Analyst
Communications Illustrator	Real Estate Appraiser
State Climatologist	Atlas Editor
Trade Consultant	Land Use Specialist
Resource Planner	Software Designer
Marketing Analyst	Transportation Planner
Defense Analyst	Meteorologist
Real Estate Researcher	Technology Analyst
Location Analyst	Import/Export Consultant
Cartographer	Medical Geographer
Map Curator	Demographer
Land Classification Analyst	GIS Analyst
Airline Operations Manager	College Professor
Urban Planner	Shipping Broker
Consumer Surveyor	Education Planner
Environmental Legal Assistant	TV Weather Forecaster
Compliance Officer	State Department Country Analyst

# Geography @ Indiana University



**Department of Geography**  
 Indiana University  
 Student Building 120  
 701 E. Kirkwood Avenue  
 Bloomington, IN 47405-7100, USA  
<http://www.indiana.edu/~geog>  
 Telephone: (812) 855-6303

### Degrees Offered:

- Bachelor of Arts in Geography (B.A.)
- Bachelor of Science in Geography (B.S.)
- Minor in Geography

### Concentration Areas:

- Atmospheric Science
- Human-Environment Interaction
- Geographic Information Science
- Human Geography

### Undergraduate Advisor: Andy Ruff

Student Building 055  
 (812) 856-5725

The geography major is an important degree to have in an era of globalization. Concentrations in geographic information science (GIS), atmospheric science, human geography, and human-environment interaction all offer the possibility of internships. Our students go on to graduate school, or often take positions in the public or private sector. We are a small department and we pride ourselves in getting to know our undergraduate majors and minors, and working closely with them. Some of the many opportunities available include internship possibilities, departmental scholarships, academic performance awards independent readings, and project research opportunities.

# Geography

## Faculty

**Chairperson:** Professor Scott Robeson

**Professors:** Rebecca Barthelmie, Daniel C. Knudsen, Sara Pryor, Scott Robeson

**Associate Professors:** Tom Evans, A. Faiz Rahman

**Assistant Professors:** James Biles, Constance Brown, Rinku Roy Chowdhury, Tony Grubestic, Rebecca Lave

**Assistant Scientist:** Danilo Dragoni

**Senior Lecturer:** Roman Zlotin

**Adjunct Faculty:** Bennet Brabson, (Physics); Timothy Brothers (IUPUI); Kelly K. Caylor (Princeton); Owen Dwyer (IUPUI); Sue Grimmond (King's College London); David MacKay, (Business); Emilio Moran, (Anthropology, SPEA); Greg Olyphant, (Geology); Hans Peter Schmid (University of Munich); Philip Stevens, (Public and Environmental Affairs); Jeffrey Wilson (IUPUI)

**Emeritus Faculty:** William R. Black, Dennis Conway, Charles Greer, John Odland, Ernest Wohlenberg

**Academic Advising:** Andy Ruff, Student Building 055, (812) 856-5725

**Introduction:** Courses offered by the Department of Geography (GEOG-G) form an important component of liberal arts and science education and also provide skills and knowledge necessary for careers in geography and related fields. The undergraduate program reflects the breadth of geography and its linkages to other social and physical sciences. Courses are in atmospheric science, human-environment interaction, geographic information science, and human geography.

## Major in Geography—B.A.

**Purpose:** The B.A. degree is intended to provide a strong liberal arts degree focusing on the major subject areas of geography, while maintaining a great deal of flexibility. The flexibility allows students to focus on particular concentration areas and/or to choose a second or even third major.

**Requirements:** Students must complete the following:

1. A minimum of 25 credit hours in geography, of which at least 9 credit hours must be at the 300 or 400 level and at least 3 additional credit hours must be at the 400 level.
2. One course each in physical geography (either G107 or G109), human geography (either G110 or G120), and two courses in geographic methodology (to be selected from G235, G237, G250, G336, G338, G350, G436, G438, or G488).

Students must complete the B.A. degree requirements of the College of Arts and Sciences.

**Recommendations:** Students ordinarily select one of the following concentration areas and identify a faculty member or members associated with that concentration area to be their advisor.

**A. Atmospheric Science:** Complete G304 and G350; select from G235, G250, G336, G339, G405, G431, G433, G434, G442, G451, G470, and G475; **additionally** G450, G460, G477, and G489. (Barthelmie, Brown, Pryor, Robeson,)

**B. Human-Environment Interaction:** Select from G304/G305 and G306/G315 and at least one 400-level course. Courses within this concentration include G208, G235, G237, G304, G305, G306, G307, G315, G336, , G405, G411, G434, G440, G450, G451, G460, and G475. **Other recommended courses include:** G250, G336, G338, G350, and G488. (Barthelmie, Brown, Roy Chowdhury, Evans, Lave, Pryor)

**C. Geographic Information Science:** G235, G237, G250, G336, G338, G436, G438, G439, G450, G460, and G488. (Roy Chowdhury, Evans, Rahman, Robeson)

**D. Human Geography:** Select courses from : G235, G237, G302, G306 (when appropriate), G314, G316, G320, G338, G415 ,G417, G450, G460, and G488. (Biles, Evans, Grubestic, Knudsen, Lave)

## Major in Geography—B.S.

**Purpose:** The B.S. degree provides additional science requirements that prepare science-oriented students for graduate school and science-related jobs at the bachelor's degree level. Students pursuing a B.S. degree normally would focus on either the atmospheric science or geographic information science concentration areas (relevant courses are listed above).

**Requirements:** Students must complete the following:

1. Same geography requirements as B.A.
2. Mathematics: M211-M212.
3. Physics: P221-P222.
4. Biology: minimum 6 credit hours including L111 and L473 **or** Chemistry: C101-C121, C102-C122 **or** Computer Science: at least 6 credits at the 200 level or higher.
5. Statistics: K300 or G488.
6. Six (6) credit hours of mathematics, physics, biology, chemistry, or computer science at the 300 level or higher.

(more on next page)