

# Undergraduate Geography

## Degrees Available at SIUE

- Bachelor of Arts, Geography
- Bachelor of Science, Geography
- Professional Educator Licensure (9-12) program

## Geography at SIUE

Students who are curious about the world around them, interested in the environment, sustainability, culture and technology should consider majoring in geography at SIUE. Geography is more than learning to read maps and memorize state capitals. The Department of Geography offers a variety of courses in human, physical, and regional geography, as well as geospatial techniques. Our faculty conduct research on a wide variety of topics at the local, regional and global scale. Majoring in geography prepares students for careers in a wide range of fields.

## Career Opportunities

A variety of career opportunities await graduates with a degree in geography from SIUE. We offer the only geography program in the St. Louis metropolitan area and as such, our graduates are in demand for positions in the region's growing geospatial workforce. Employers include federal and state government agencies; national security contractors; tech companies; engineering firms; utility companies; local and regional governments; agricultural companies; and environmental nonprofit organizations. Our geography graduates work as geospatial analysts, cartographers, imagery analysts, urban planners, retail location analysts, climate scientists, resource managers, sustainability consultants, and park rangers.

## Hands-On Learning

Students at the undergraduate and graduate levels have the opportunity to work closely with our diverse faculty on current research projects and are encouraged to gain professional experience through internships. Faculty members specialize in human geography, physical geography, and geographic techniques such as cartography, GIS and remote sensing. They are also engaged in research that impacts the local community and beyond.

## Global Experience

A major in geography exposes students to international issues and perspectives. In addition to regional courses in Africa, Asia, Europe and Latin America, geography majors study issues of global concern, including topics such as climate change, economic development and international migration. Students in the geography program are encouraged to pursue study abroad and internship experiences that broaden their understanding of the world. These experiences can be incorporated into their degree program.



# SIUE

College of Arts and Sciences  
Department of Geography

## Faculty

**Gillian Acheson, PhD**  
Cultural Geography,  
Geography Education

**Stacey Brown Amilian, PhD**  
Medical Geography, GIS

**Alan W. Black, PhD**  
Climatology, Climate  
Change, Atmospheric  
Hazards

**Michael Grossman, PhD**  
Hydrology, Physical  
Geology and Geography

**James Hanlon, PhD**  
Urban, Cultural and  
Historical Geography

**Mark L. Hildebrandt, PhD**  
Meteorology and  
Climatology

**Shunfu Hu, PhD**  
GIS, Remote Sensing,  
Physical Geography

**Susan E. Hume, PhD**  
Ethnicity and Race,  
Migration, Urban  
Geography

**Adriana Martinez, PhD**  
Fluvial Geomorphology,  
GIS

**Shannon McCarragher, PhD**  
Biogeography, GIS

**Francis Odemerho, PhD**  
Geomorphology, Africa

**Randall Pearson, PhD**  
Remote Sensing, GIS,  
Physical Geography

**Wendy Shaw, PhD**  
Social and Cultural  
Geography, Development

**Bin Zhou, PhD**  
Economic Geography, Asia  
and China

SOUTHERN ILLINOIS UNIVERSITY  
**EDWARDSVILLE**

COLLEGE OF ARTS & SCIENCES

# Sample Curriculum for the Bachelor of Science in Geography

## Fall Semester

## Spring Semester

	Fall Semester	Spring Semester
Year 1	ENG 101 English Composition I	<b>GEOG 201</b> World Regions (BSS, EGC)
	<b>ESCI 111</b> Intro to Physical Geology & Geography (BPS, EL) (recommended)	ENG 102 English Composition II
	RA 101 Reasoning & Argumentation	Breadth Life Science (BLS)
	ACS 101 Public Speaking	MATH 120, 125 or 150 (BPS)
	Breadth Fine & Performing Arts (BFPA)	QR 101, MATH 150 or Higher
	FST 101 Succeeding & Engaging at SIUE	Total Credits
	Total Credits	16
Year 2	<b>GEOG 210</b> Physical Geography (BPS)	<b>GEOG 205</b> Human Geography (BSS, EL)
	Breadth Humanities (BHUM)	GEOG 321 Quantitative Techniques (BICS, EL)
	Health Experience (EH)	Experience United States Cultures (EUSC)
	Elective	Minor or AOS
	Elective	Minor or AOS
	Total Credits	14
Year 3	GEOG 320 Cartography	Physical Geography Requirement
	Human Geography Requirement	Interdisciplinary Studies (IS)
	Minor or AOS	Minor or AOS
	Elective	Minor or AOS
	Elective	Elective
	Total Credits	15
Year 4	Human Geography Requirement	Geography Techniques Requirement
	Physical Geography Requirement	Regional Geography Requirement
	GEOG 499 Senior Assignment	Elective
	Minor or AOS	Elective
	Elective	Elective
	Total Credits	15
	<b>Total Hours</b>	<b>120</b>

**Transfer Students:** To maximize your transfer experience, complete the **bolded** courses/requirements pre-transfer and satisfy the Illinois Articulation Initiative (IAI) General Ed Core or receive an AA, AS, or AAT (early childhood, special ed or math) degree from an IAI community college. If 'Minor' requirements are shown, discuss careful course selection with the academic advising contact listed. Visit [siue.edu/transfer](http://siue.edu/transfer) to find course equivalency guides.

### Admission Requirements

To declare a major in geography, students must satisfy the following requirements:

- Complete all academic development courses required by the University
- Complete any required courses to address high school deficiencies
- Achieve a cumulative GPA of at least 2.0 in courses completed at SIUE

### Graduation Requirements

- Complete all specific program requirements
  - A minimum grade of C is required in courses completed for the major
- Complete all University requirements including:
  - All general education requirements
  - A minimum of 120 credit hours
  - At least 30 of which must be completed at SIUE
  - At least 60 of which must be completed at a regionally accredited four-year institution
- A minimum cumulative GPA of 2.0
- Bachelor of Arts only: A two-semester sequence of the same foreign language
- File an Application for Graduation by the first day of the term in which you plan to graduate

### Contact Information

Department of Geography  
College of Arts and Sciences  
Phone: 618-650-2090