

GEOGRAPHY MAJOR



B.A. and B.S.

CAREER OPPORTUNITIES

Explore issues, including sustainability, geoinformatics, public policy, social science, geospatial technology, and health. Choose one of the three tracks below to prepare for careers in a variety of fields:

- > **ENVIRONMENTAL STUDIES.** Examine the natural world from physical and sociocultural perspectives. Topics include climatology, sustainable development, landscape ecology, remote sensing, and land use.
- > **GISCIENCE.** Geographic Information Science utilizes the latest computer systems and technologies to analyze how and why phenomena vary across space and time. Topics include environmental modeling, geographic data collection, geovisualization, remote sensing, and GPS.
- > **HEALTH & SOCIETY.** Understand how disease and health services vary geographically and the causes and consequences of these patterns. Included concepts are increased globalization, the role of the natural environment in social change, and hazards, and justice.



Geographers study the interactions between human and natural systems using uniquely geographical perspectives, methods, and tools.

INTERNSHIPS & EMPLOYMENT

Herzog Technologies • Iowa Department of Natural Resources
Farrington Transportation • Bur Oak Land Trust • SSP
Innovations • D.C. Policy Center • Moxie Solar • Global
Mapping Solutions • CDM Smith • Aerial Insights • CenterPoint
Energy • Pacific Disaster Center • PlanIT Geo • Esri • Rockwell
Collins • Schneider Geospatial • Cargill • U.S. Geological
Survey • JCG Land Services • Urban GIS • WCE Energy Group



Career Possibilities Include

- > Environmental Consultant
- > GIS Analyst
- > Remote Sensing Specialist
- > Ecologist
- > Global Health Manager
- > Conservationist
- > Environmental Scientist
- > Water Resources Advisor
- > Geodatabase Analyst
- > Epidemiologist
- > Sustainability Director



HANDS-ON LEARNING

A wide array of opportunities and resources are available to Geography students interested in gaining research, fieldwork, and professional experience.

- > **GIS RESEARCH LAB.** The Geographic Information Systems Instructional Lab (GISIL) is a state-of-the-art computer lab used to teach GIS, cartography, and remote sensing. The GISIL also supports field-based educational activities using mobile GIS software, LiDAR 3D terrain models, and UAVs.
- > **IOWA COMMUNITY INTEGRATED GEOGRAPHY ORGANIZATION.** ICIGO is a student organization within the Department of Geographical & Sustainability Sciences that utilizes experiences and skills gained in the classroom to support projects focused on sustainability in the community and state of Iowa.
- > **UNDERGRADUATE RESEARCH.** Partnerships with groups on campus like the Iowa Center for Research by Undergraduates and state and national organizations like the National Science Foundation, our students have many opportunities to get involved with faculty research and to investigate their own research questions.



CLASSES YOU MIGHT TAKE:

- > Foundations of GIS
- > Urban Ecology
- > LiDAR: Principles and Applications
- > Water Resources
- > Environmental Justice
- > Intro to Geographic Visualization
- > Geography of Health
- > Hazards and Society

For full curriculum, visit: catalog.registrar.uiowa.edu

GET IN TOUCH!

Schedule a campus visit

UNDERGRADUATE ADMISSIONS

Phone:
(319) 335-1566
Email:
campus-visits@uiowa.edu
Web:
admissions.uiowa.edu

Ask questions about enrollment/transfers:

CLAS ACADEMIC ADVISING

Phone:
(319) 335-2633
Email:
clas-advising@uiowa.edu
Web:
advisingcenter.uiowa.edu

Get program details

DEPT. OF GEOGRAPHICAL & SUSTAINABILITY SCIENCES

Phone:
(319) 335-0151
Email:
geography@uiowa.edu
Web:
clas.uiowa.edu/geography

