

GEOGRAPHY AND GEOGRAPHIC INFORMATION SCIENCE

University of Northern Iowa College of Social and Behavioral Sciences

<https://catalog.uni.edu/collegeofsocialandbehavioralsciences/geography/#GeographicInfoSciBS>

About The Major

Geography is the science of place and space. It encompasses both natural science and social science as it examines people and their environment and serves as a bridge between the physical and cultural worlds. Geographic information science, on the other hand, is a scientific discipline that studies data structures and computational techniques to capture, represent, process, and analyze geographic information.

Sample Course Work

Physical Geography
Human Geography
Geographic Information Systems
Thematic Cartography
People, Cultures, and Environments
Remote Sensing of the Environment

Possible Careers *Some titles may require further education

Cartographer

Area Specialist

Researcher

GIS Analyst

Conservation Officer

Remote Sensing Specialist

City Planner

Landscape Architect

Sustainability Officer

GIS Officer

Environmental Consultant

Commercial Surveyor

UNI Graduates: Where Are They Now?

- Dubuque County
- Iowa Northland Regional Council of Government (INRCOG)
- Iowa Department of Agriculture and Land Stewardship (IDALS)
- GARMIN
- John Deere
- Aerial Services, Inc.
- Linn County
- Energy and Environmental Research Center
- Hampton Roads Planning District Commission
- Next Door Milwaukee
- Multnomah County
- Terraplane, LLC

Skills Needed

- Research Skills
- Ability to Work Independently and on a Team
- Problem-solving
- Oral Communication
- Evaluation
- Flexibility