

# GEOGRAPHY/ GEOGRAPHIC INFORMATION SCIENCE

University of Northern Iowa College of Social and Behavioral Sciences

<https://csbs.uni.edu/geography/>

## 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 COURSEWORK

Physical Geography	Intro to Statistical Methods
Human Geography	Remote Sensing of the Environment
Geographic Information Systems	Global Positioning System Field Survey Methods
Thematic Cartography	

## POSSIBLE CAREERS \*some titles may require further education

Cartographer	Conservation Officer	GIS Analyst	Commercial Surveyor
Environmental Consultant	Landscape Architect	Location Analyst	Residential Surveyor
City Planner	Area Specialist	Remote Sensing Specialist	Sustainability Officer
GIS Officer	Emergency Management Planner	Researcher	

## UNI GRADUATES: WHERE ARE THEY NOW?

- Dubuque County
- Iowa Northland Regional Council of Governments (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
- Written communication
- Evaluation
- Flexibility

## HOLLAND CODES

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