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

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
- 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

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