The BS degree in Geographic Information Science (GIS) is a new degree in one of the fastest growing STEM areas of science and information technology. This degree provides the foundation for a career in the emerging field that integrates computer science, information technology with geographic concepts and techniques to support management and resilience of earth's natural environmental, urban and human systems. GIS uses massive data sets from satellite imagery, drones, digital mapping, GPS, geospatial statistics to create knowledge to analyze and solve 21st Century problems.

Geography has long used maps and images as models of the earth surface and physical/human processes. The advent of digital cartography, satellite imagery, global positioning systems and geographically-informed digital databases (Google Earth, vehicle navigation systems, etc) has transformed the use of traditional geographic theory, methodology and techniques to 21st Century science and technology to address issues confronting the earth and human societies. The Department of Labor estimates that employment for Geographic Information Scientists will increase 29% across the United States and 105% in Utah by the year 2022.

Geographic Information Science is a federally recognized STEM discipline allied with the Cartography and Geospatial Intelligence designations. The Geography Department is designated by the National Geospatial Intelligence Agency (NGA), the US Geological Survey (USGS) as a National Center of Academic Excellence in Geospatial Sciences, and the Environmental Systems Research Institute (ESRI) as a development center.
CAREER OUTLOOK

Department of Defense
US Department of Transportation
Urban Planning
United States Geological Survey (USGS)
Natural Resource Management (Forest Service, Fish and Game)
Environmental consulting and Conservation Non-Profits
Non-Governmental Organizations (NGO's)
Spatial Software/Environmental Systems Research Institute (ESRI)

SCHOLARSHIPS

Thanks to the generous donations given by industry & alumni, The Geography department offers several scholarships to incoming and continuing students.

To apply, please visit: https://geog.utah.edu/undergraduate/scholarships.html

CONTACT INFORMATION

For more information about the Geography department or to contact an Academic Advisor, please visit: geog.utah.edu