Remote sensing relies on measurements of electromagnetic radiation to monitor the earth and its environmental systems using satellites, aircraft, sensor networks and Unmanned Aerial Vehicles (UAV’s). This emphasis allows students to get in-depth knowledge on how remote sensing data are collected, processed, and used for a multitude of applications. Remote sensing skills are increasingly sought after in a variety of disciplines, and by many employers in environmental and intelligence fields.
REQU Student Classes

Geography Core Requirements

GEOG 1000 Earth Environments and Global Change (SF)
GEOG 1005 Earth Environments Lab
GEOG 1400 Human Geography (BF)
GEOG 3020 Geographical Analysis (QB, QI)
GEOG 3100 Introduction to GIS and Cartography (QI)

One of the following: (Upper division Physical Geography choice list)
GEOG 3200 Geomorphology: Mountains, Rivers, Deserts
GEOG 3/5205 Climate Change Foundations
GEOG 3/5210 Global Climate Change (SF)
GEOG 3/5215 Climate Change Impacts, Adaptation & Mitigation
GEOG 3/5290 Water in Utah (AS)
GEOG 3310 Introduction to Natural Hazards (SF)

One of the following: (Upper division Human Geography choice list)
GEOG 3/5219 Medical Geography
GEOG 3350 Resource Conservation & Environment Management (BF)
GEOG 3420 Political Geography
GEOG 3/5440 Global Economic Geography
GEOG 3620 North America: Geography, Diversity, and Change (DV)

One of the following: (Geography CW choice list)
GEOG 3/5270 Biogeography: Global Patterns of Life (CW)
GEOG 3/5400 Population Geography (CW)

Emphasis Requirements

Emphasis Core Requirements

GEOG 3110 Introduction to Remote Sensing
GEOG 3170 Geospatial Field Methods: GPS and Drones
GEOG 5110 Environmental Analysis Through Remote Sensing
GEOG 5120 Advanced Optical Remote Sensing OR
GEOG 5130 Advanced Active Remote Sensing
GEOG 5131 Capstone in Remote Sensing OR
GEOG 5940 Internship in Remote Sensing

CAREER OUTLOOK

US Forest Service
Bureau of Land Management
Environmental organizations
Organizations and agencies focused on agriculture and food security
NASA
National Geospatial Intelligence Agency
Department of Defense

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