

# Engs 620: Geospatial Information Technology

## [School of Engineering](#)

This course is an introduction to the integration of the foundational components of geo-spatial information science and technology into a geographic information system (GIS). Numerous practical and applied geospatial techniques are introduced to demonstrate the use of geospatial information technology to the real world. As a case based course, students work through four distinct sections in the geospatial information technology workflow: 1. Data Collection 2. Data Preparation 3. Data Analysis 4. Data Presentation The components include the fundamentals of geodesy, GPS, cartographic design and presentation, image interpretation, and spatial statistics/analysis. The course addresses the manner in which the components are merged in a geospatial information system.

3 Credits

### Prerequisites

- Student must be admitted to Certificate in Geographic Info Systems program.

### Instruction Type(s)

- Indep Study: Independent Study for Engs 620
- Indep Study: Online Program for Engs 620

### Subject Areas

- [Engineering, Other](#)

