

Engs 620: Geospatial Information Technology

This course is an introduction to the integration of the foundational components of geo-spatial information science and technology into a geopraphic 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

The University of Mississippi is accredited by the Southern Association of Colleges and Schools Commission on Colleges to award certificates and baccalaureate, master's, specialist, and doctoral degrees. Contact the Commission on Colleges at 1866 Southern Lane, Decatur, Georgia 30033-4097, call 404-679-4500, or visit online at www.sacscoc.org for questions about the accreditation.

