

The Program has been developed to:

Provide students with the knowledge and skills necessary to pass the Fundamentals of Surveying Licensure Exam.

Provide each student with the opportunity to learn and apply the fundamental theories and the practice of each sub discipline of Surveying and Geomatics.

Provide each student with the opportunity to gain hands-on experience with multiple types of hardware and software produced by major vendors, while developing students' skills so they will be an asset in any professional workplace.

Provide each student with the opportunity to broaden their backgrounds with a wide range of general studies courses designed to help graduates work effectively with others.

Troy University is accredited by the Commission on Colleges of the Southern Association of Colleges and Schools. The Surveying and Geomatics Sciences program is accredited by the ABET Applied Science Accreditation Commission.

Contacts

by e-mail: geomatics@troy.edu, or
by telephone: (334) 670-5693

Additional information can be found at:
<http://admissions.troy.edu/undergrad>.

Surveyors have a unique opportunity to influence land use, the environment, and society through a broad range of surveying careers.

They regularly work with issues ranging from boundary location to land development and environmental regulation.

Classic surveying classes include basics of surveying, land law, route and construction surveying, and land development.

Advanced classes include photogrammetry, remote sensing, geodesy, geographic information systems (GIS), and global positioning systems (GPS).

Why choose the Surveying and Geomatics Sciences Program at Troy?

- Troy University is one of the few schools in the United States, and the only school in Alabama, to offer a degree in Surveying and Geomatics Sciences.
- Graduates can choose to work outdoors or in an office environment.
- Graduates can work with an established company or start their own Geomatics based company.
- Geomatics based careers are ever advancing, which creates new opportunities and a job market that is exciting and different every day.

Surveying and Geomatics Sciences Program



Troy University is accepting applications for the Bachelor of Science Degree in Surveying and Geomatics Sciences on the Troy Campus.

The Program provides a broad range of study in the many sub disciplines of Geomatics that include classic techniques and ever advancing technological fields of Surveying, Geographic Information Systems, Geodesy, and Photogrammetry .

Troy University

Founded in 1887, Troy University has been named “A Best College in the Southeast” by The Princeton Review. Forbes Magazine listed Troy University as the best in Alabama and ranked 16th in the United States.

Our 577-acre (234 hectare) campus includes indoor and outdoor swimming pools, theaters, tennis and volleyball courts, soccer and track fields, and a fitness center.

Troy University has an active campus life, with many academic, professional, and social associations, as well as regular cultural and sporting events. Student can attend concerts, shows and sports events for free.

The Program

The Surveying and Geomatics Sciences program at Troy University is accredited by the ABET Applied Science Accreditation Commission (ASAC). The program embodies a curriculum of 121 credit hours consisting of science, mathematics, and humanities courses, with other required core classes and limited electives. This provides an opportunity for specialization, including:

- Survey Fundamentals
- Land Surveying
- Construction Surveying
- Land Development
- Photogrammetry and Remote Sensing
- Geodesy and GPS
- Geographic Information Systems

Students

Students in the Surveying and Geomatics Sciences program were awarded first place in the 2011 National Society Professional Surveyors Student Competition.

All students are advised by full-time Geomatics faculty. The program of study can be adjusted for specific needs and interests of the students.

Each student gains practical experience by participation in a summer cooperative education program or in a senior project.

Faculty

All full-time faculty members have terminal degrees from recognized institutions. They have licenses or certification as Professional Land Surveyors, Engineers, and GIS Professionals, along with practical experience.

Adjunct faculty members hold advanced degrees and a license to practice in engineering or surveying.

GIS Minor

A minor concentration is available for students who have a major outside the Program. This is accomplished by completing 18 hours in Surveying and Geomatics Sciences classes.

Objectives of the Program:

1. Graduates will be prepared to obtain quality entry-level positions within the Surveying and Geomatics profession.
2. Employers will be pleased with the quality and performance of graduates.
3. Graduates will be well prepared for the licensure process of examinations and experience.
4. Graduates will hold wide-ranging positions within the diverse disciplines of the Surveying and Geomatics fields.
5. Graduates will grow and advance into managerial/ownership/leadership positions within the Surveying and Geomatics fields.



To meet these objectives, Surveying and Geomatics Sciences students are exposed to a diverse range of surveying equipment including theodolites and laser equipped total stations, as well as GPS equipment.

Students are also trained in the Geomatics computer lab, which is equipped with the latest computer aided drawing (CAD), photogrammetry, and GIS software.