

Surveying and Geomatics Engineering Technology

Program Description	Type	Degree
Surveying and Geomatics Engineering Technology, B.S. (https://coursecat.isu.edu/undergraduate/technology/surveyingandgeomaticsengineeringtechnology/bs-surveying-and-geomatics-engineering-technology/)	Degree	B.S.
Land Surveying, Academic Certificate (https://coursecat.isu.edu/undergraduate/technology/surveyingandgeomaticsengineeringtechnology/academic-certificate-land-surveying/)	Certificate	

Faculty (<https://coursecat.isu.edu/undergraduate/technology/surveyingandgeomaticsengineeringtechnology/faculty/>)

GEMT Courses (<https://coursecat.isu.edu/undergraduate/allcourses/gemt/>)

Objectives

Graduates of the Surveying and Geomatics Engineering Technology program will:

1. Have the basic math and science knowledge and technical skills of the Surveying and Geomatics Engineering Technology discipline appropriate to enter careers in the geospatial community, for example, boundary surveying and legal principles, route and construction surveying, survey measurement analysis and adjustments, Global Positioning System (GPS), photogrammetry, geodesy, land/Geographic Information Systems (GIS), cartography, remote sensing, 3D scanning and mapping.
2. Have the ability to execute surveying/geomatics project activities for delivery in response to the needs of private and public industry.
3. Have appropriate understanding of standards and specifications of surveying/geomatics practices in analyzing positional accuracy of measurement systems and in preparing land records and plats by meeting legal requirements.
4. Have the knowledge to pass the national Fundamentals of Surveying examination, and maintain a commitment to lifelong learning.
5. Have an understanding of the professional, ethical and social issues with commitment to quality and dependability.

Program Information

For a list of course sequences, cost of books, tools, uniforms, fees, and other expenses, go online to <https://www.isu.edu/geomatics/program-handbook--forms/>.

Each course must be completed with a C- or better before the student can progress in the program.

Accreditation

The Bachelor of Science in Surveying and Geomatics Engineering Technology is accredited by the Engineering Technology Accreditation Commission of ABET, <https://www.abet.org>.