

Geomatics Engineering is...

a discipline that focuses on earth measurement and spatial information. This encompasses creating vast arrays of digital scanning data to create precise three dimensional images, making three-dimensional maps from aerial photographs, developing Geographic Information Systems, and using GPS to accurately provide real time location. Geomatics Engineers serve society by collecting, monitoring, archiving and maintaining our national spatial infrastructure. Geomatics systems include: aerial and digital mapping, land and geographic information systems (LIS/GIS), geodesy and geodetic surveying (GPS), remote sensing, environmental and resource mapping, A vast array of Geomatics tools and a solid theoretical grounding prepares you for an exciting Geomatics Engineering career.



Geomatics Engineer out in the field surveying.



A Geomatics student volunteering during the annual "Engineers at the Mall."



Students experiencing hands-on training (total station).

Here at Fresno State...

- Faculty care and dedication combined with small class sizes, one of highest "faculty to student" ratios in the nation, results in a program of excellence with an enhanced learning environment.
- Students learn through research and scholarship how to protect the health and welfare of the public, while also learning the necessary knowledge and skills to prepare them for their professional careers.
- Student writers for the Fore Sight! magazine reach out to thousands of professionals twice a year.
- Excellent summer job opportunities abound in the public and private sector throughout California and the nation. Students may also get involved with faculty-sponsored research or volunteer to help an upper class-person conduct his or her senior project.
- Students have numerous opportunities to increase their professional awareness and supplement their leadership skills. Active participation in organizations such as Student Association for Geomatics Engineering (SAGE) or American Congress of Surveying and Mapping (ACSM) is encouraged. Students also have the opportunity to become a committee chair or overall chairperson for the Annual Fresno Geomatics Conference.

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