Professional Surveyors must have a Civil Engineering or Surveying and Mapping degree from an ABET-Accredited program or a degree from one of the board-approved surveying programs. A crucial part of land development, surveyors often work closely with architects and builders to produce precise surveys and maps of surface features of the earth. Surveyors can choose from many specialties and get involved at many stages of a project. Students who pursue a Surveying and Mapping minor will gain an understanding of global positioning; analyzing spatial data; digital map production and electronic data collection; survey software applications, boundary surveying and construction layout techniques. Students interested in pursuing a career in professional land surveying should consider completing the Surveying and Mapping minor.

Prerequisites for Surveying and Mapping Minor

Must be completed prior to beginning the minor program:
- CIVILEN 2410 – Introduction to Surveying

Requirements for Surveying and Mapping Minor:

Credit hour requirement: 19 credit hours

Required Courses
- All courses below must be completed
- CIVILEN 2090 – Professional Aspects
- CIVILEN 5410 – Engineering Surveying
- CIVILEN 5411 – Legal Aspects of Surveying
- CIVILEN 5412 – Land Boundary & Dev. Princ.
- CIVILEN 5441 – Intro to GPS
- CIVILEN 5461 – Geospatial Numerical Analysis

Courses and Electives of Minor

Details for the required minor courses are listed below. Many of the courses are only offered once per year.

POI = student may need Permission of Instructor for enrollment if prereq. is not part of major curriculum
(c) = concurrent requisite

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