Surveying & Mapping Minor (Semester Requirements)

Students interested in pursuing a career in professional land surveying should consider completing the Surveying & Mapping Minor through the Department of Civil, Environmental, and Geodetic Engineering. Completion of the Surveying & Mapping Minor, in combination with the BS-Civil Engineering degree, will enable students to sit for the Fundamentals of Survey exam in the State of Ohio and pursue licensure as a professional surveyor.

The following guidelines are intended to assist students who will begin the Surveying & Mapping minor courses autumn 2012 or later.

A. Prerequisites for Survey & Mapping Minor *Must be completed prior to beginning the minor program:
   Math 1172 Engineering Math A or Math 2153 CALC III

   CivilEn 2410 Intro to Geomatics Eng

B. Requirements of Minor

1. Credit hour minimum requirement
   Semester = 19 credit hours

2. Required courses:
   (Semester Course)
   CivilEn 2090 (1 hr) Professional Aspects of Civil and Environmental Engineering
   CivilEn 5410 (3 hr) Engineering Surveying
   CivilEn 5411 (4 hr) Legal Aspects of Surveying
   CivilEn 5412 (4 hr) Land Boundary and Development Principles
   CivilEn 5441 (3 hr) Intro to GPS: Theory and Application
   CivilEn 5461 (4 hr) Geospatial Numerical Analysis

Survey & Mapping Minor Recommended Sequence of Classes

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NOTES:

1. The following Math courses are considered equivalent courses during the transition: Math 254 (quarter course); Math 154 (quarter transition course); 1544 (semester transition course); 1172 semester course; 2153 semester course
2. CivilEn 2410 (semester), must be completed prior to beginning minor
3. CivilEn 5412 has a prerequisite of CivilEn 5411

*Civil Engineering students may not include CE5441 towards technical elective requirements if pursuing this minor.