

CIVIL ENGINEERING (CIVE)

CIVE 127 Engineering Drawing for Civil Engineering 3 Credits

Exploration of linetypes, symbols, and drawing and dimensioning standards by generating drawings using drafting instruments and computer-aided-drafting (CAD). Drawings start with basic sketching on the board and continue through 3-D solid modeling on CAD. Print reading includes interpretation of site, foundation, floor, and roof plans, as well as elevations and sections.

Terms Typically Offered: Fall.

CIVE 212 Introduction to Geomatics 3 Credits

Introduction to basic linear, angular, area, and volume field measurements common to civil engineering endeavors with application of GPS and GIS technology.

Prerequisites: MATH 151 or MATH 135.

Terms Typically Offered: Fall.

CIVE 313 Theoretical Fluid Mechanics 3 Credits

Basic principles of fluid mechanics. Covers fluid properties, hydrostatics, fluid flow concepts, including continuity, energy, momentum, dimensional analysis and similitude, and flow in closed conduits.

Prerequisites: ENGR 261.

CIVE 397 Structured Research 1-3 Credits