

# CIVIL ENGINEERING (CIVE)

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**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**