

# CIVIL ENGINEERING (CIVE)

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**CIVE 127 Engineering Drawing for Civil Engineering 3 Credits**

Introduction to civil and construction applications of AutoCAD Civil 3D and/or other similar civil engineering survey and design-oriented CAD applications. Students will learn basic construction plan reading skills.

**Terms Typically Offered:** Fall, Spring.

**CIVE 212 Introduction to Geomatics 3 Credits**

Introduction to basic techniques of surveying, including linear, angular, area, and volume field measurements and calculations, as well as GPS and GIS applications common to civil engineering.

**Prerequisites:** MATH 151 or MATH 135.

**Terms Typically Offered:** Fall, Spring.

**CIVE 313 Theoretical Fluid Mechanics 3 Credits**

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

**Prerequisites:** ENGR 261.

**Terms Typically Offered:** Spring.

**CIVE 397 Structured Research 1-3 Credits**