

# CIVIL ENGINEERING (CIVE)

---

## Courses

### **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 387 Structured Research 1-3 Credits**

Supervised research experience offering students the opportunity to conduct primary or secondary research under faculty guidance.

**Prerequisites:** Sophomore standing or higher.

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

Course may be taken multiple times up to maximum of 6 credit hours.