CIVIL ENGINEERING (CIVE)

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