

C E 455: Civil Engineering Design I

CIVIL ENGINEERING

Initial course in capstone design sequence. Individual and group experience in identifying objectives, major activities affecting cost/schedule, and roles of private and public organizations in civil engineering projects; introduction to regional and national building code provisions for access, egress, and structural safety; creativity in the design process and selection of competitive alternatives; preliminary site planning and facility design; preliminary group planning of a significant civil engineering project. Introduction to the use of computational tools for analysis, design, and visualization.

2 Credits

Prerequisites

- Pre-Requisite: 24 Earned Hours

Instruction Type(s)

- Lecture: Lecture for C E 455

Course Fee(s)

Civil Engineering 2

- \$100.00

Subject Areas

- [Civil Engineering, General](#)

Related Areas

- [Civil Engineering, Other](#)
- [Geotechnical and Geoenvironmental Engineering](#)
- [Structural Engineering](#)
- [Transportation and Highway Engineering](#)
- [Water Resources Engineering](#)

