

Civil Engineering
Catalog Year 2024-2025

Note: This is a recommended sequence and shifts are likely to occur due to prerequisite completion and course availability.

Semester One	Semester Two
CHEM 1127Q: General Chemistry 1 (4 credits)	CHEM 1128Q: General Chemistry II (4 credits)
MATH 1131Q: Calculus I (4 credits)	MATH 1132Q: Calculus II (4 credits)
CSE 1010: Intro to Computing for Engineers (3 credits)	ENGR 1166: Foundations of Engineering (3 credits)
ENGL 1007: Writing and Composition (4 credits)	Gen Ed (3 credits)
	Gen Ed (3 credits)
15 credits	17 credits

Semester Three	Semester Four
CE 2110: Applied Mechanics I (3 credits)	MATH 2410Q: Elem. Differential Equations (3 credits)
CE 2411: Intro to Computer Aided Design (1 credit)	CE 2211: Engineering Economics (1 credit)
MATH 2110Q: Multivariable Calculus (4 credits)	CE 2251: Probability & Statistics in CEE (3 credits)
PHIL 1104: Philosophy & Social Ethics (CA 1) (3 credits)	CE 3110: Mechanics of Materials (3 credits)
PHYS 1501Q: Physics for Engineers I (4 credits)	CE 2710: Transportation Engineering (3 credits)
	Gen Ed (3 credits)
15 credits	16 credits

Semester Five	Semester Six
CE 3220: Principles of Construction I (3 credits)	CE 3520: Civil Engineering Materials (3 credits)
CE 3510: Soil Mechanics (3 credits)	ENVE 2310E: Environ. Engineering Fund. (3 credits)
CE 3610: Basic Structural Analysis (3 credits)	ENVE 3120: Fluid Mechanics (4 credits)
Science Elective (3 or 4 credits)	Professional Requirement (3 credits)
Gen Ed (3 credits)	Gen Ed/Free Elective (3 credits)
15 or 16 credits	16 credits

Semester Seven	Semester Eight
CE 4900W: Civil Engineering Projects I (2 credits)	CE 4920W: Civil Engineering Projects II (2 credits)
PHYS 1502Q: Physics for Engineers II (4 credits)	Proficiency Area Requirement (3 credits)
Proficiency Area Requirement (3 credits)	Proficiency Area Requirement (3 or 4 credits)
Proficiency Area Requirement (3 or 4 credits)	Professional Requirement (3 credits)
Professional Requirement (3 credits)	Free Elective (3 credits)
Free Elective (3 credits)	Free Elective*
18 or 19 credits	14+ credits

*as needed to reach total degree credits

See reverse for important general education and major specific information.

Total Credits: 128