

MINOR IN CIVIL ENGINEERING

Students outside the Department of Civil and Materials Engineering who wish to minor in Civil Engineering must complete 18-19 semester hours are required, excluding prerequisite courses. These courses are listed in the table below:

Prerequisite Courses – Civil Engineering Minor	Hours
CHEM 112 – General College Chemistry I	5
CS 108 – Fortran Programming for Engineers	3
MATH 180 – Calculus I	5
MATH 181 – Calculus II	5
MATH 210 – Calculus III	3
MATH 220 – Introduction to Differential Equations	3
PHYS 141 – General Physics I (Mechanics)	4
CME 201 – Statics	3
Total Hours – Prerequisites for Civil Engineering Minor	31

Required Courses – Civil Engineering Minor	Hours
CME 203 – Strength of Materials	3
CME 211 – Fluid Mechanics and Hydraulics	3
Three courses from the following list:	9-10
CME 205 – Structural Analysis I (3)	
CME 216 – Environmental Engineering (3)	
CME 260 – Properties of Materials (3)	
CME 302 – Transportation Engineering (3)	
CME 311 – Water Resources Engineering (3)	
CME 315 – Soil Mechanics and Laboratory (4)	
One course from the following list:	3
CME 301 – Behavior and Design of Metal Structures (3)	
CME 310 – Design of Reinforced Concrete Structures (3)	
CME 402 – Geometric Design of Highway Facilities (3)	
CME 403 – Hydraulic Design (3)	
CME 405 – Foundation Analysis and Design (3)	
CME 494 – Special Topics in Civil Engineering, Mechanics, and Metallurgy (when topic is Sanitary Engineering Design) (3)	
Total Hours – Required Courses for Civil Engineering Minor	18-19