Minor in Civil Engineering

For the minor, 18–19 semester hours are required, excluding prerequisite courses. Students outside the Department of Civil, Materials, and Environmental Engineering who wish to minor in Civil Engineering must complete the following:

Code	Title	Hours
Prerequisite Courses		
CHEM 122	Matter and Energy	3
CHEM 123	Foundations of Chemical Inquiry I	2
CS 109	Programming for Engineers with MatLab	3
MATH 180	Calculus I	4
MATH 181	Calculus II	4
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		**29**

Code	Title	Hours
Required Courses		
CME 203	Strength of Materials	3
CME 211	Fluid Mechanics and Hydraulics	3
Select three of the following:		9-10
CME 205	Structural Analysis I	
CME 260	Properties of Materials	
CME 302	Transportation Engineering	
CME 311	Water Resources Engineering	
CME 315	Soil Mechanics and Laboratory	
CME 322	Environmental Engineering	
Select one of the following:		3
CME 301	Behavior and Design of Metal Structures	
CME 310	Design of Reinforced Concrete Structures	
CME 402	Geometric Design of Highway Facilities	
CME 405	Foundation Analysis and Design	
CME 422	Wastewater Treatment Design	
Total Hours		**18-19**