

# Minor in Civil Engineering

The program offers three tracks (Structural, Geotechnical and Environmental) within the broader civil engineering discipline. Undergraduate students from other majors must select the minor track of interest to them and follow the coursework identified in the corresponding list of required courses. The main objective of the minor is to offer students an opportunity to enhance their technical competency in fields of great importance to the development and maintenance of civil infrastructure systems. The required courses for the three tracks have prerequisites and students will be required to seek approval for registration by the Department of Civil Engineering.

The Civil Engineering minor requires 18 credit hours for Structures Track, 18 credit hours for the Geotechnical Track and 19 credit hours for the Environmental Track.

## Degree Plan

### Structural Engineering Track

Code	Title	Hours
<b>Select one from the following (only 3 credits count towards minor)</b>		<b>3</b>
CE 1301	Civil Engineering Fundamentals	
PHYS 2320 & PHYS 2120	Introductory Mechanics and Laboratory for PHYS 2320	
<b>Required Courses:</b>		
CE 2315	Statics	3
CE 2334	Mechanics of Materials	3
CE 2343	Structural Analysis	3
CE 3345	Design of Concrete Structures	3
CE 3361	Design of Steel Structures	3
<b>Total Hours</b>		<b>18</b>

### Geotechnical Engineering Track

Code	Title	Hours
<b>Select one from the following (only 3 credits count towards minor)</b>		<b>3</b>
CE 1301	Civil Engineering Fundamentals	
PHYS 2320 & PHYS 2120	Introductory Mechanics and Laboratory for PHYS 2320	
<b>Required Courses:</b>		
CE 2315	Statics	3
CE 2334	Mechanics of Materials	3
CE 3336	Civil Engineering Materials	3
CE 3348	Geotechnical Engineering	3
CE 4339	Geostructural Design	3
<b>Total Hours</b>		<b>18</b>

### Environmental Engineering Track

Code	Title	Hours
<b>Select one from the following (only 3 credits count towards minor)</b>		<b>3</b>
CE 1301	Civil Engineering Fundamentals	
PHYS 2320 & PHYS 2120	Introductory Mechanics and Laboratory for PHYS 2320	
<b>Required Courses:</b>		
CE 2315	Statics	3
CE 2375	Intro to Fluid Mechanics	3
CE 2385	Environmental Engr Fundamental	3
CE 3342	Water & Waste Water Engr	3

CE 3456	Hydrology & Hydraulic Engr	4
<b>Total Hours</b>		<b>19</b>