

## CIVIL ENGINEERING (CE)

(Leading to the Bachelor of Science in Civil Engineering Degree)

Freshman Year		sem. hrs.	Sophomore Year		sem. hrs.
<a href="#">CHEM 1110</a>	General Chemistry I	4	<a href="#">MATH 2110</a>	Calculus III	4
<a href="#">CHEM 1120</a>	General Chemistry II	4	<a href="#">MATH 2120</a>	Differential Equations	3
<a href="#">ENGL 1010</a>	Writing I	3	<a href="#">PHYS 2110</a>	Calculus-based Physics I	3
<a href="#">ENGL 1020</a>	Writing II	3	<a href="#">PHYS 2111</a>	Calculus-based Physics I Laboratory	1
<a href="#">MATH 1910</a>	Calculus I	4	<a href="#">CEE 2110</a>	Engineering Mechanics--Statics	3
<a href="#">MATH 1920</a>	Calculus II	4	<a href="#">SPCH 2410</a> or <a href="#">PC 2500</a>		3
<a href="#">ENGR 1210</a>	Introduction to Engineering	1	<a href="#">Social/Behavioral Science Electives</a>		6
<a href="#">ENGR 1110</a>	Engineering Graphics	2	<a href="#">GEOL 3210</a>	Geology for Engineers	3
<a href="#">ENGR 1120</a>	Programming for Engineers	2	<a href="#">CEE 3110</a>	Mechanics of Materials	3
<a href="#">Humanities/Fine Arts Electives</a>		6	<a href="#">ME 2330</a>	Engineering Mechanics--Dynamics	3
<a href="#">CEE 1020</a> <sup>1</sup>	Connections to Civil & Environmental Engineering	1	<a href="#">ENGL 2130</a> , <a href="#">2230</a> , or <a href="#">2330</a>		3
Total		34	Total		35
Junior Year		sem. hrs.	Senior Year		sem. hrs.
MATH Elective <sup>2</sup>		2	Approved CEE Lab Elective <sup>6</sup>		1
<a href="#">CEE 3413</a>	Environmental Engineering	3	<a href="#">CEE 4320</a>	Reinforced Concrete Design	3
Approved CEE Lab Elective <sup>6</sup>		1	<a href="#">CEE 4800</a>	Geotechnical Engineering I	3
<a href="#">CEE 3320</a>	Structural Mechanics	3	Approved CEE Electives <sup>3</sup>		9
<a href="#">CEE 3020</a>	Surveying	3	Approved CEE Sequence Electives <sup>4</sup>		6
<a href="#">ME 3720</a>	Fluid Mechanics	3	<a href="#">ISE 3110</a> ( <a href="#">3100</a> ) <sup>5</sup>		2

<a href="#">ISE 3210 (3200)</a> <sup>5</sup>		2	<a href="#">CEE 4920</a>	Professionalism & Ethics	1
<a href="#">CEE 3420</a>	Hydraulics	3	<a href="#">CEE 4940</a>	Fundamentals of Civil Engineering	0
<a href="#">CEE 3030</a>	Civil Engineering Materials	3	<a href="#">CEE 4950</a>	Senior Design Project	3
<a href="#">CEE 4310</a>	Structural Steel Design	3			
<a href="#">CEE 3610</a>	Transportation Engineering	3			
<a href="#">ECE 3810</a> , <a href="#">ME 3210</a> , or <a href="#">ChE 3010</a>		3			
Total		32	Total		28

<sup>1</sup> This course not included in 128-hour curriculum.

<sup>2</sup> MATH 2010, 3810, 4510, or 4710

<sup>3</sup> Approved CEE Electives: CEE 3100 and any 4000-level CEE course with prior approval by advisor

<sup>4</sup> Approved CEE Sequences:  
 CEE 4130, 4160, 4190 Structural Mechanics  
 CEE 4130, 4350, 4360, 4380, 4700 Structural Engineering  
 CEE 4410, 4420, 4430, 4440, 4450 Environmental Engineering  
 CEE 4600, 4610, 4630, 4640, 4660 Transportation Engineering

<sup>5</sup> ISE Electives: Two-credit hour courses are shown (3110 & 3210); however students are encouraged to take the three-credit hour courses (3100 & 3200).

<sup>6</sup> Select 1 of the following 3 CEE lab courses: CEE 3040, CEE 3120, or CEE 3430. Students that select or plan to select the structural mechanics or structures option should take CEE 3120; environmental students should take CEE 3430.