



### Degree Map

**CATALOG YEAR:** 2025-2026

**Degree:** BSCE

**MAJOR:** Civil Engineering

*Concentration:* Construction Engineering and Management

*The major map illustrates one path to completing your major, based on faculty members' advice on course sequence and course schedule. This document provides general direction.*

Course	Cr. Hrs.	Course	Cr. Hrs.
<b>FIRST YEAR</b>			
Semester: Fall	Total Credit Hours: 16 (17)	Semester: Spring	Total Credit Hours: 17
ENGL 1010 Writing Composition I	3	ENGL 1020 Writing Composition II	3
CEE 1020 Connections to CEE <sup>1</sup>	1	Humanities/Fine Arts Elective	3
MATH 1910 Calculus I	4	MATH 1920 Calculus II	4
CHEM 1110 Chemistry I	4	CHEM 1120 Chemistry II <sup>2</sup>	4
ENGR 1110 Engineering Graphics	2	Social/Behavioral Science Elective	3
Humanities/Fine Arts Elective	3		
Course	Cr. Hrs.	Course	Cr. Hrs.
<b>SOPHOMORE YEAR</b>			
Semester: Fall	Total Credit Hours: 16	Semester: Spring	Total Credit Hours: 18
ENGL 2130, 2230, or 2330 Literature	3	COMM 2025 or PC 2500 Communication	3
MATH 2110 Calculus III	4	MATH 2120 Differential Equations	3
PHYS 2110 Physics I	4	CEE 3110 Mechanics of Materials	3
CEE 2110 Statics	3	CEE 3500 Construction Engineering	3
CEE (ENGR) 3710 Engineering Economics	2	CEE 3600 Surveying	3
		ME 2330 Dynamics	3
Course	Cr. Hrs.	Course	Cr. Hrs.
<b>JUNIOR YEAR</b>			
Semester: Fall	Total Credit Hours: 16	Semester: Spring	Total Credit Hours: 15
CEE 3320 Structural Mechanics	3	CEE 3030 Civil Engineering Materials	3
CEE 3413 Environmental Engineering	3	CEE 3420 Hydraulics	3
CEE 3415 or ME 3720 Fluid Mechanics	3	CEE 4310 Steel Design	3
CEE 3610 Transportation Engineering	3	GEOL 3210 Geology for Engineers	3
CEE Lab Elective <sup>3</sup>	1	CEM Elective <sup>4</sup>	3
BMGT 3510 Management and Org Behavior	3		
Course	Cr. Hrs.	Course	Cr. Hrs.
<b>SENIOR YEAR</b>			
Semester: Fall	Total Credit Hours: 15 or 16	Semester: Spring	Total Credit Hours: 15 or 16
CEE (ENGR) 3720 or MATH 3470 Statistics	2 or 3	CEE 4950 Senior Design	3
CEE 4320 Concrete Design	3	CEE Lab Elective <sup>3</sup>	1
CEE 4800 Geotechnical Engineering	3	CEM Elective <sup>4</sup>	3
CEE 4920 Professionalism and Ethics	1	CEM Elective <sup>4</sup>	3
CEE 4940 Fundamentals of CEE	0	Social/Behavioral Science Elective	3
CEM Elective <sup>4</sup>	3	Technical Elective <sup>5</sup>	2 or 3
CEM Elective <sup>4</sup>	3		

#### Note:

- Optional course for first semester freshman only
- Students select either CHEM 1120 or PHYS 2120; CHEM 1120 preferred
- CEE Lab Elective: CEE 3040 (P: CEE 3030), CEE 3120 (P: CEE 3110), or CEE 3430 (C: CEE 3413)
- Construction Engineering and Management Elective: CEE 4500-4599, ENGR (CEE) 4510, ACCT 3720, BMGT 3630, BMGT 4410, BMGT 4520. At least 3 of 5 courses must be CEE (ENGR) courses.
- Technical Elective: ENGR 1120, ECE 2850, ME 3210, or CHE 3010 (*fall only*)