



Degree Map

CATALOG YEAR: 2026-2027

Degree: BSCE

MAJOR: Civil Engineering

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.
FIRST YEAR				
Semester: Fall	Total Credit Hours: 16 (17)		Semester: Spring	Total Credit Hours: 17
CEE 1020 Connections to CEE ¹	1		ENGL 1020 Writing Composition II	3
ENGL 1010 Writing Composition I	3		Humanities and Cultural Expression Elective	3
MATH 1910 Calculus I	4		MATH 1920 Calculus II	4
CHEM 1110 Chemistry I	4		CHEM 1120 Chemistry II ²	4
ENGR 1110 Engineering Graphics	2		Social/Behavioral Science Elective	3
Humanities and Cultural Expression Elective	3			
Course	Cr. Hrs.		Course	Cr. Hrs.
SOPHOMORE YEAR				
Semester: Fall	Total Credit Hours: 17		Semester: Spring	Total Credit Hours: 17 or 18
CEE 2110 Statics	3		COMM 2025 or PC 2500 Communication	3
MATH 2110 Calculus III	4		MATH 2120 Differential Equations	3
PHYS 2110 Physics I	4		CEE 3600 Surveying	3
Digital or Financial Literacy Elective	3		CEE 3110 Mechanics of Materials	3
Social/Behavioral Science Elective	3		ME 2330 Dynamics	3
			CEE (ENGR) 3720 or MATH 3470 Statistics	2 or 3
Course	Cr. Hrs.		Course	Cr. Hrs.
JUNIOR YEAR				
Semester: Fall	Total Credit Hours: 17		Semester: Spring	Total Credit Hours: 16
CEE (ENGR) 3710 Engineering Economics	2		CEE 3500 Construction Engineering	3
CEE 3413 Environmental Engineering	3		CEE Lab Elective ³	1
CEE 3610 Transportation Engineering	3		GEOG 3210 Geology for Engineers	3
CEE 3415 or ME 3720 Fluid Mechanics	3		CEE 3420 Hydraulics	3
CEE 3320 Structural Mechanics	3		CEE 4310 Steel Design	3
CEE 3030 Civil Engineering Materials	3		CEE 4800 Geotechnical Engineering	3
Course	Cr. Hrs.		Course	Cr. Hrs.
SENIOR YEAR				
Semester: Fall	Total Credit Hours: 14		Semester: Spring	Total Credit Hours: 14 or 15
CEE 4920 Professionalism and Ethics	1	Take FE Exam	CEE 4950 Senior Design	3
CEE 4940 Fundamentals of CEE	0		CEE Elective ⁶	3
CEE Lab Elective ³	1		CEE Elective ⁶	3
CEE Elective ⁶	3		CEE Sequence ⁷	3
CEE Sequence ⁷	3		Technical Elective ⁵	2 or 3
CEE 4320 Concrete Design	3			
MATH Elective ⁴	3			

Notes:

- Optional course for first semester freshman only
- CHEM 1120 or PHYS 2120. CHEM 1120 is preferred.
- CEE Lab Elective: Select 1 of the following 3 CEE lab courses: CEE 3040, CEE 3120, CEE 3430.
- MATH Elective: MATH 2010, MATH 3810, MATH 4210, MATH 4510
- Technical Elective: ENGR 1120, ME 2210, or CHE 3010 (*fall only*)
- CEE Elective: Any 4000 level CEE course
- Approved CEE Sequence
 - Construction Engineering & Management: Any CEE 45XX course
 - Environmental Engineering & Water Resources: Any CEE 44XX course
 - Structural Mechanics: Any CEE 41XX course
 - Structural & Geotechnical Engineering: Any CEE 43XX or CEE 48XX course
 - Transportation Engineering: Any CEE 46XX course