

Construction Engineering and Management BCEM Four-Year Plan

FALL	SPRING
First Year	
EGGG 101 - Introduction to Engineering (FYS)	CIEG 191 - Introduction to Construction Engineering and Management
CHEM 103 - General Chemistry** and CHEM 133 - General Chemistry Laboratory	MATH 242 - Analytic Geometry and Calculus B**
CISC 106 - General Computer Science for Engineers	PHYS 207 - Fundamentals of Physics I** and PHYS 227 - Fundamentals of Physics Laboratory I
MATH 241 - Analytic Geometry and Calculus A**	ENGL 110 - First-Year Writing
GEOL 105 - Geological Hazards and Their Human Impact	Breadth Requirement (1/6)*
Credits: 16	Credits: 17
Second Year	
CIEG 211 - Statics	CIEG 212 - Solid Mechanics
CIEG 292 - Environment, Health and Safety	CIEG 213 - Civil Engineering Materials Laboratory
CIEG 291 - CAD and BIM in Construction	CIEG 214 - Construction Materials**
Breadth Requirement (2/6)*	CIEG 390 - Engineering Survey and Geomatics
Science/Math Elective*	COMM 212 - Public Speaking & Professional Presentation
	MATH 210 - Discrete Mathematics I or MATH 349 - Elementary Linear Algebra or MATH 351 - Engineering Mathematics I

FALL	SPRING
Credits: 16	Credits: 19
Third Year	
CIEG 301 - Structural Analysis and Design	ACCT 200 - Survey of Accounting**
CIEG 305 - Fluid Mechanics	CIEG 315 - Probability and Statistics for Engineers
CIEG 391 - Construction Estimating and Cost Control	CIEG 392 - Construction Planning and Scheduling
CIEG 320 - Soil Mechanics and Foundation Engineering	CIEG 394 - Construction Law and Regulations
CIEG 323 - Soil Mechanics and Foundation Engineering Laboratory	Technical Elective (1/4)*
Breadth Requirement (3/6)*	
Credits: 17	Credits: 16
Fourth Year	
CIEG 393 - Construction Means and Methods	CIEG 491 - Senior Design - Construction Engineering (DLE and Capstone)
CIEG 481 - Co-op in Civil and Environmental Engineering	Breadth Requirement (5/6)*
Technical Elective (2/4)*	Technical Elective (4/4)*
Technical Elective (3/4)*	
Breadth Requirement (4/6)*	
Credits: 15	Credits: 13
Total Credits: 126	

*See program page for approved courses.

**The Department of CEE requires a minimum of C- in these courses. MATH 232 will also require a C- or better.

Disclaimer: Four-Year Plans are a Departmental suggestion of how a student could complete this degree in four years (eight semesters). Students may opt to take courses in the summer or winter sessions. These plans do not take into account additional requirements brought on by minors or other majors. A Four-Year Plan is subject to change from year-to-year given the resources and focuses of the Department. It is the student's responsibility to meet with his or her assigned advisor at least once a semester to monitor progress and ensure that he or she is on track to graduate on time. This document is intended as a supplemental advisement tool to be used in conjunction with in-person advisement and the Degree Audit. Students should direct any questions or concerns regarding degree progress to their advisor or Academic Assistant Dean.