

CONSTRUCTION ENGINEERING AND MANAGEMENT
(126 credits)

The required courses are normally taught in fall or spring semesters as indicated below.
Students are responsible for tracking future changes to this schedule.

FIRST YEAR

FALL **16 credits** **Sem. Grade**

General Chemistry*	CHEM 103/133	(4)		
General Comp. Sci. for Eng.	CISC 106	(3)		
Intro. to Engineering	EGGG 101	(2)		
Anal. Geom. & Calc. A**^	MATH 241	(4)		
Geol Hazards & Human Imp.	GEOL 105	(3)		

FIRST YEAR

SPRING **17 credits** **Sem. Grade**

Introduction to CEM (H)	CIEG 191	(3)		
First-Year Writing*	ENGL 110	(3)		
Anal. Geom. & Calc. B*	MATH 242	(4)		
Fundamentals of Physics I*	PHYS 207/227	(4)		
Breadth Req. (CEM list)*		(3)		

SOPHOMORE YEAR

FALL **16 credits** **Sem. Grade**

Statics (H)	CIEG 211	(3)		
CAD and BIM in Construct.	CIEG 291	(3)		
Enviro., Health, and Safety (H)	CIEG 292	(3)		
Breadth Req. (CEM list)*		(3)		
Science/Math Elective (a)		(4)		

SOPHOMORE YEAR

SPRING **16 credits** **Sem. Grade**

Solid Mechanics	CIEG 212	(3)		
Civil Eng. Materials Lab	CIEG 213	(1)		
Construction Materials*	CIEG 214	(3)		
Eng. Survey and Geomatics	CIEG 390	(3)		
Public Speaking/Prof. Present.	COMM 212	(3)		
Math Course (b)		(3)		

JUNIOR YEAR

FALL **17 credits** **Sem. Grade**

Construct. Est./Cost Control	CIEG 391	(3)		
Struct. Analysis/Design (H)	CIEG 301	(4)		
Soils Mech and Fndation. Eng	CIEG 320	(3)		
Soils Mech/Fndation. Eng Lab	CIEG 323	(1)		
Fluid Mechanics (H)	CIEG 305	(3)		
Breadth Req. (CEM list)*		(3)		

JUNIOR YEAR

SPRING **16 credits** **Sem. Grade**

Survey of Accounting*	ACCT 200	(4)		
Construction Plan/Sched. (H)	CIEG 392	(3)		
Construction Law/Reg. (H)	CIEG 394	(3)		
Prob. & Stats. For Eng. (H)	CIEG 315	(3)		
Technical Elective (c)		(3)		

SENIOR YEAR

FALL **15 credits** **Sem. Grade**

Constr. Means/Methods	CIEG 393	(3)		
Co-op in Civil/Env. Eng.	CIEG 481	(3)		
Technical Elective (c)		(3)		
Technical Elective (c)		(3)		
Breadth Req. (CEM list)*		(3)		

SENIOR YEAR

SPRING **13 credits** **Sem. Grade**

Senior Design	CIEG 491	(4)		
Technical Elective (c)		(3)		
Breadth Req. (CEM list)*		(3)		
Breadth Req. (CEM list)*		(3)		

*Grade of C- or higher for degree requirement or as pre-requisite for other courses. All Breadth Requirements and ENGL110 require grades of C- or higher.
(H) Department of Civil, Construction, and Environmental Engineering offers an honors section of this course.

^MATH231 and MATH232 can be taken in place on MATH241. A grade of C- or better is required in MATH232.

a) One course from: BISC 207, BISC 208, CHEM104/134, GEOL 107, GEOG 152, MATH 243, PHYS 208/228, PLSC 204/205

b) MATH 349 (Elementary Linear Algebra), MATH 351 (Engineering Math I) [MATH 351 requires MATH 243], or MATH210 (Discrete Math I)

c) Two courses from: CIEG 343, CIEG 486, CIEG 492, CIEG 493, CIEG 494, CIEG 495, CIEG 496, or other approved elective

Breadth Requirement Chart

UNIVERSITY BREADTH <i>Creative Arts and Humanities</i>	
UNIVERSITY BREADTH <i>History and Cultural Change</i>	
UNIVERSITY BREADTH <i>Social and Behavioral Sciences</i>	ECON 100
UNIVERSITY BREADTH <i>Math, Natural Sciences, Technology</i>	CHEM 103
ADDITIONAL COE BREADTH <i>Upper-Level 1 of 2</i>	ENGL 410
ADDITIONAL COE BREADTH	FINC 200
ADDITIONAL COE BREADTH	BUAD 100

From the Creative Arts and Humanities and History and Cultural Change categories, which course also satisfies the Multicultural requirement, and which satisfies the second upper-level (300+) requirement?

*Students interested in the Business Administration minor would swap BUAD 100 for BUAD 301, BUAD 306, and BUAD 309.
BUAD 306 can count as the second upper-level Breadth requirement. CIEG315 can take the place of STAT200 for the minor.