

CONSTRUCTION ENGINEERING AND MANAGEMENT PROGRAM (126 hours)

Effective for fall 2019 and subsequent classes.

The required courses are normally taught in fall or spring semesters as indicated below.

Each student is responsible for tracking future changes in this schedule.

**FIRST YEAR**

**FALL** 16 credits Sem. Grade

General Chemistry*	CHEM 103 (4)		
Computer Science	CISC 106 (3)		
Intro. to Engineering	EGGG 101 (2)		
Analy. Geom. & Calc. A*	MATH 241 (4)		
Breadth Req. (CEM list)	(3)		

**SOPHOMORE YEAR**

**FALL** 16 credits Sem. Grade

Statics	CIEG 211 (3)		
Introduction to Surveying	CIEG 222 (3)		
CAD and BIM in Construct.	CIEG 291 (3)		
Prob. & Stats. for Engineers	CIEG 315 (3)		
Science/Math Elective (a)	(4)		

**JUNIOR YEAR**

**FALL** 17 credits Sem. Grade

Construct. Est./Cost Control	CIEG 391 (3)		
Struct. Analysis and Design	CIEG 396 (4)		
Soils and Foundations	CIEG 397 (4)		
Constr. Means and Methods	CIEG 393 (3)		
Breadth Req. (CEM list)	(3)		

**SENIOR YEAR**

**FALL** 15 credits Sem. Grade

Optim. in Design/Const.	CIEG 459 (3)		
Fluids, Hydraulics, Wtr. Res.	CIEG 398 (3)		
Co-op in Civil/Enviro Eng.	CIEG 481 (3)		
Technical Elective (c)	(3)		
Breadth Req. (CEM list)	(3)		

**FIRST YEAR**

**SPRING** 17 credits Sem. Grade

Introduction to CEM	CIEG 191 (3)		
Seminar in Composition	ENGL 110 (3)		
Analy. Geom. & Calc. B*	MATH 242 (4)		
Fundamentals of Physics I*	PHYS 207 (4)		
Breadth Req. (CEM list)	(3)		

**SOPHOMORE YEAR**

**SPRING** 16 credits Sem. Grade

Solid Mechanics	CIEG 212 (3)		
Civil Eng. Materials Lab	CIEG 213 (1)		
Construction Materials*	CIEG 214 (3)		
Enviro., Health, and Safety	CIEG 292 (3)		
Oral Communication	COMM 212(3)		
Math Course (b)	(3)		

**JUNIOR YEAR**

**SPRING** 16 credits Sem. Grade

Survey of Accounting*	ACCT 200 (4)		
Construction Plan/Sched.	CIEG 392 (3)		
Construction Law and Reg.	CIEG 394 (3)		
Free Elective	(3)		
Breadth Req. (CEM list)	(3)		

**SENIOR YEAR**

**SPRING** 13 credits Sem. Grade

Senior Design	CIEG 491 (4)		
Technical Elective (c)	(3)		
Engineering Project Mgmt.	CIEG 486 (3)		
Breadth Req. (CEM list)	(3)		

\*Grade of C- or higher for degree requirement or as pre-requisite for other courses.

All breadth requirements (18 credit hours) and ENGL110 require a C- or better. See Undergraduate Catalog for more information.

Creative Arts & Humanities (upper-level)	Sem.	Grade	History & Cultural Change	Sem.	Grade	Social & Behavioral Sciences	Sem.	Grade
			PLSC 170			ECON 100		
Add'l Breadth Req.			Add'l Breadth Req.			Add'l Breadth Req.		
ENGL 410			BUAD 100			FINC 200		

\_\_\_\_\_ two upper-level (300 and higher) courses

\_\_\_\_\_ Multicultural Requirement

- a) one course from: BISC207, GEOL105/115, GEOL107, GEOG152, MATH243, PHYS208, PLSC204/205
- b) MATH 349 (Elementary Linear Algebra) or MATH 351 (Engineering Math I). 351 requires MATH 243.
- c) two courses from: CIEG 343, CIEG 402, CIEG 492, CIEG 493, CIEG 494, CIEG 495