

CIVIL ENGINEERING
(125 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)		
Analy. Geom. & Calc. A*	MATH 241	(4)		
Breadth Requirement*		(3)		

FIRST YEAR

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

Intro to Civil Eng. Design (H)	CIEG 161	(3)		
First-Year Writing*	ENGL 110	(3)		
Analy. Geom. & Calc. B*	MATH 242	(4)		
Fundamentals of Physics I*	PHYS 207/227	(4)		
Public Spking/Prof Present.	COMM 212	(3)		

SOPHOMORE YEAR

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

Statics (H)	CIEG 211	(3)		
Intro to Sustainability	CIEG 210	(3)		
Analy. Geom. & Calc. C	MATH 243	(4)		
Science with lab elective (a)		(4)		
Tech. Writing/Breadth Req.*	ENGL 410	(3)		

SOPHOMORE YEAR

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

Solid Mechanics	CIEG 212	(3)		
CE Materials Lab	CIEG 213	(1)		
Construction Materials	CIEG 214	(3)		
Prob. & Stats. for Eng (H)	CIEG 315	(3)		
Engineering Math I	MATH 351	(3)		
Comm. with Stakeholders	CIEG 411	(3)		

JUNIOR YEAR

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

Structural Analysis/Design (H)	CIEG 301	(4)		
Fluid Mechanics (H)	CIEG 305	(3)		
Fluid Mechanics Lab	CIEG 306	(1)		
Soil Mech and Fndation Eng.	CIEG 320	(3)		
Soil Mech/Fndation Eng Lab	CIEG 323	(1)		
Environmental Engineering	CIEG 331	(3)		

JUNIOR YEAR

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

Geotechnical Engineering	CIEG 321	(3)		
Transportation Engineering	CIEG 351	(3)		
Transportation Eng. Lab	CIEG 451	(1)		
Eng. Project Mgmt (H)	CIEG 486	(3)		
Breadth Requirement*		(3)		
Technical Elective		(3)		

SENIOR YEAR

FALL **14 credits** **Sem. Grade**

Senior Design (H) (DLE and Cap.)	CIEG 461	(2)		
Breadth Requirement (PCP)*		(3)		
Technical Elective		(3)		
Technical Elective		(3)		
Technical Elective		(3)		

SENIOR YEAR

SPRING **14 credits** **Sem. Grade**

Senior Design (H)	CIEG 461	(2)		
Technical Elective		(3)		
Technical Elective		(3)		
Breadth Requirement*		(3)		
Breadth Requirement (PCP)*		(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 typically offers an honors section of this course.

(a) One 4-credit course from: BISC 207, BISC 208, GEOG 220/221, GEOL 105/115, or GEOL 107

Breadth Requirement Chart (21 credits):

UNIVERSITY BREADTH <i>Creative Arts and Humanities</i>	
UNIVERSITY BREADTH <i>History and Cultural Change</i>	
UNIVERSITY BREADTH <i>Social and Behavioral Sciences</i>	
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 <i>Prof./Career Prep (PCP)</i>	
ADDITIONAL COE BREADTH <i>Prof./Career Prep (PCP)</i>	

Which one of your University Breadths also satisfies the Multicultural requirement?	
Which one of the courses to the left satisfies the <u>second</u> Upper-Level (300+) requirement?	