

CIVIL ENGINEERING PROGRAM
(126 hours)

Effective for fall 2014 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 Requirement	(3)		

FIRST YEAR

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

Freshman Design	CIEG 161 (3)		
Seminar in Composition	ENGL 110 (3)		
Analy. Geom. & Calc. B*	MATH 242 (4)		
Science Elective (a)	(4)		
Breadth Requirement	(3)		

SOPHOMORE YEAR

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

Statics	CIEG 211 (3)		
Oral Communication	COMM 212(3)		
Analy. Geom. & Calc. C	MATH 243 (4)		
General Physics I*	PHYS 207 (4)		
Breadth Requirement	(3)		

SOPHOMORE YEAR

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

Solid Mechanics	CIEG 212 (3)		
CE Materials Lab	CIEG 213 (1)		
Dynamics	CIEG 311 (3)		
Engineering Math I	MATH 351 (3)		
Materials Science	MSEG 302 (3)		
Breadth Requirement	(3)		

JUNIOR YEAR

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

Structural Analysis	CIEG 301 (4)		
Fluid Mechanics	CIEG 305 (3)		
Fluid Mechanics Lab	CIEG 306 (1)		
Soil Mechanics	CIEG 320 (3)		
Soil Mechanics Lab	CIEG 323 (1)		
Engineering Math III	MATH 353 (3)		

JUNIOR YEAR

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

Structural Design	CIEG 302 (4)		
Prob. & Stats. for Engineers	CIEG 315 (3)		
Geotechnical Engineering	CIEG 321 (3)		
Environmental Engineering	CIEG 331 (3)		
Transportation Engineering	CIEG 351 (3)		
Transportation Eng. Lab	CIEG 451 (1)		

SENIOR YEAR

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

Water Resources Eng.	CIEG 440 (3)		
Senior Design	CIEG 461 (2)		
Eng. Project Management	CIEG 486 (3)		
Technical Writing	ENGL 410 (3)		
Technical Elective	(3)		

SENIOR YEAR

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

Senior Design	CIEG 461 (2)		
Technical Elective	(3)		
Technical Elective	(3)		
Breadth Requirement	(3)		
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*Grade of C- or higher for degree requirement or as pre-requisite for other courses.

All breadth requirements (18 credit hours) require a C- or better. The three University breadths must be taken from separate departments. See UD Academic Catalog for more information.

Creative Arts & Humanities	Sem.	Grade	History & Cultural Change	Sem.	Grade	Social & Behavioral Sciences	Sem.	Grade
Add'l Breadth Requirement (18 credits)								
ENGL 410								

_____ two upper-level (300 and higher) courses

_____ Multicultural Requirement

a) One course from: BISC207, BISC208, CHEM104, GEOL107, PHYS208, or PHYS245