

CIVIL ENGINEERING PROGRAM  
(125 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 Requirement	(3)		

**FIRST YEAR**

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

Intro to Civil Eng. Design	CIEG 161 (3)		
Seminar in Composition	ENGL 110 (3)		
Analy. Geom. & Calc. B*	MATH 242 (4)		
Fundamentals of Physics I*	PHYS 207 (4)		
Oral Communication	COMM 212(3)		

**SOPHOMORE YEAR**

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

Statics	CIEG 211 (3)		
Intro to Sustainability	CIEG 402 (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)		
Prob. & Stats. for Engineers	CIEG 315 (3)		
Engineering Math I	MATH 351 (3)		
Construction Materials	CIEG 214 (3)		
Comm. with Stakeholders	CIEG 411 (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)		
Environmental Engineering	CIEG 331 (3)		

**JUNIOR YEAR**

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

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

**SENIOR YEAR**

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

Senior Design	CIEG 461 (2)		
Breadth Requirement	(3)		
Technical Elective	(3)		
Technical Elective	(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)		
Breadth Requirement	(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. The three University breadths must be taken from separate departments. See UD Academic Catalog for more information.

Creative Arts & Humanities	<b>Sem.</b>	<b>Grade</b>	History & Cultural Change	<b>Sem.</b>	<b>Grade</b>	Social & Behavioral Sciences	<b>Sem.</b>	<b>Grade</b>
Add'l Breadth Requirement (18 credits)								
ENGL 410			Prof./Career Prep			Prof./Career Prep		

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

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

a) One course from: BISC207, BISC208, GEOG220/221, GEOL105/115, or GEOL107