

ENVIRONMENTAL ENGINEERING 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 Requirement		(3)		

**SOPHOMORE YEAR**

**FALL** 17 credits Sem. Grade

Statics	CIEG 211	(3)		
Enviro. Eng. Processes*	CIEG233	(3)		
Analy. Geom. & Calc. C*	MATH 243	(4)		
Fundamentals of Physics I*	PHYS 207	(4)		
Breadth Requirement		(3)		

**JUNIOR YEAR**

**FALL** 17 credits Sem. Grade

Fluid Mechanics	CIEG 305	(3)		
Fluid Mechanics Lab	CIEG 306	(1)		
Microbiology of Eng. Systems	CIEG 444	(4)		
Organic Chemistry I	CHEM 321	(3)		
Water Resources Eng.	CIEG 440	(3)		
Breadth Requirement		(3)		

**SENIOR YEAR**

**FALL** 14 credits Sem. Grade

PRM of Solid Waste	CIEG 436	(3)		
Senior Design	CIEG 461	(2)		
Enviro. Eng. Lab	CIEG 337	(3)		
Surface Water Course (b)		(3)		
Technical Elective		(3)		

**FIRST YEAR**

**SPRING** 17 credits Sem. Grade

General Chemistry*	CHEM 104	(4)		
Intro to Enviro. Eng.	CIEG 133	(3)		
Seminar in Composition*	ENGL 110	(3)		
Analy. Geom. & Calc. B*	MATH 242	(4)		
Breadth Requirement		(3)		

**SOPHOMORE YEAR**

**SPRING** 16 credits Sem. Grade

Introductory Biology I	BISC 207	(4)		
Prob. & Stats. for Engineers	CIEG 315	(3)		
Engineering Math I	MATH 351	(3)		
Thermo. for Enviro Eng.	CIEG 333	(3)		
Computer Elective (a)		(3)		

**JUNIOR YEAR**

**SPRING** 15 credits Sem. Grade

Tech. Writing/Breadth Req.	ENGL 410	(3)		
Water and WW Quality	CIEG 437	(3)		
Water and Wastewater Eng.	CIEG 438	(3)		
Technical Elective		(3)		
Breadth Requirement		(3)		

**SENIOR YEAR**

**SPRING** 14 credits Sem. Grade

Senior Design	CIEG 461	(2)		
Air Pollution Course (c)		(3)		
Groundwater Course (d)		(3)		
Technical Elective		(3)		
Technical Elective		(3)		

\*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 Requirements (9 credits)								
ENGL 410			Prof./Career Prep					

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

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

- a) APEC480, GEOG372, CIEG322, or LARC150;
- b) CIEG430 or CIEG468
- c) CIEG415 (spring) or CIEG434 (fall);
- d) CIEG498 or GEOL428