

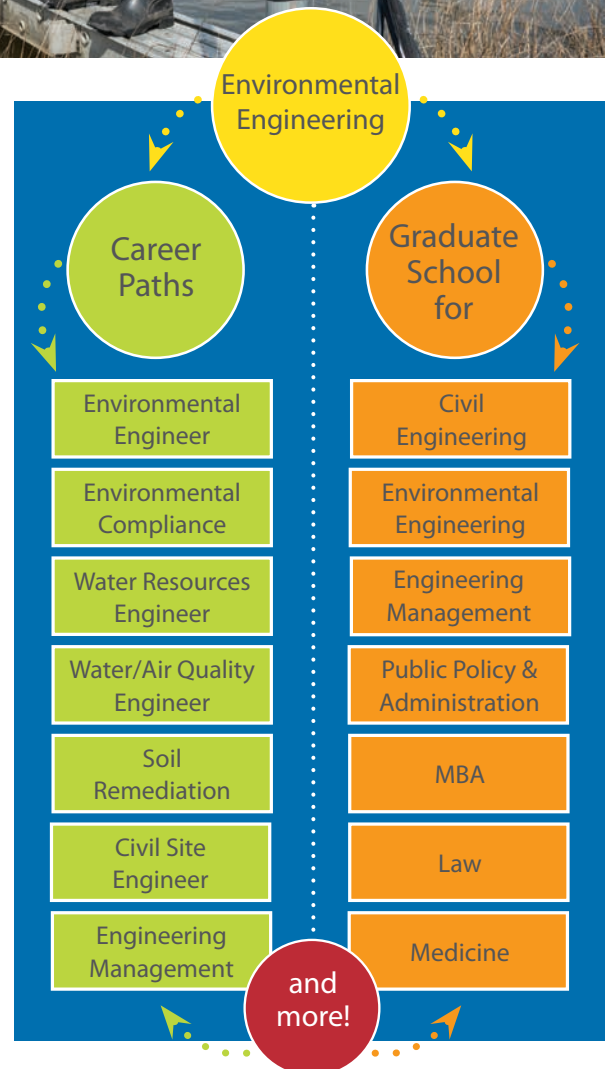


Improve the environment

Environmental engineering applies scientific principles and engineering tools to improve the natural environment, address pollution problems, and ensure environmental sustainability. Environmental engineers provide safe drinking water, treat and dispose of hazardous wastes, clean up contaminated soil and groundwater, and maintain the quality of air, water, and land resources.

Our strong core curriculum provides students with rigorous training in the causes, control, and prevention of environmental contamination and the flexibility to secure their future in an environmental profession. Students learn to understand the fate of environmental contaminants, analysis and design of solutions to real-world environmental problems, and the application of modeling and simulation methods to assess risk and estimate cost.

Active research ensures that the content of the curriculum is constantly renewed and maintained at a technically challenging level and that discovery learning is integrated into the program. Opportunities abound for environmental engineering undergraduates to work with faculty and graduate students in our world-class research program. Roughly two-thirds of our students work as research assistants.





Areas of concentration

- Environmental Facilities
Design and Construction
- Water Resources and
Water Quality
- Environmental Biological
and Chemical Processes

Two degrees at once

Well-qualified Environmental Engineering majors may apply to the 4+1 program to earn a bachelor's degree in Environmental Engineering (BEE) and a Master of Civil Engineering (MCE) degree within 5 years.

Real-world experience

An optional co-op program provides students the opportunity to gain valuable experience working in the profession while completing their degree. With careful planning and proper selection of courses, students can work full-time for up to 26 weeks and still graduate in four years.

Contact us:

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Environmental Engineering
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Newark, DE 19716
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Email: cee-info@udel.edu
Web: ce.udel.edu

Environmental Engineering Curriculum:

To earn a bachelor's degree, students must complete 125 credits and meet specific requirements as outlined in the online catalog. See UD Catalog for additional details.

Water Resources and Water Quality Concentration

FIRST YEAR

FALL

EGGG 101 - Introduction to Engineering (FYE)
CHEM 103 - General Chemistry
MATH 241 - Analytic Geometry & Calculus A
CISC 106 - General Computer Science for Engineers
Breadth Requirement Elective 1

SPRING

CIEG 233 - Environmental Engineering Processes
CHEM 104 - General Chemistry
MATH 242 - Analytic Geometry & Calculus B
ENGL 110 - Seminar in Composition
Breadth Requirement Elective 2

SECOND YEAR

FALL

CIEG 211 - Statics
PHYS 207 - Fundamentals of Physics I
MATH 243 - Analytic Geometry & Calculus C
Breadth Requirement Elective 3
Breadth Requirement Elective 4

SPRING

CIEG 315 - Probability and Statistics for Engineers
BISC 207 - Introductory Biology I
MATH 351 - Engineering Mathematics I
Computer Elective
Breadth Requirement Elective 5

THIRD YEAR

FALL

CIEG 305 - Fluid Mechanics
CEIG 306 - Fluid Mechanics Lab
CIEG 438 - Water and Wastewater Engineering
CIEG 440 - Water Resources Engineering
CHEG 231 - Chemical Engineering
Thermodynamics
CIEG 337 - Environmental Engineering Lab

SPRING

CIEG 437 - Water and Wastewater Quality
ENGL 410 - Technical Writing
Groundwater or Technical Elective course
Watershed or Technical Elective course
Breadth Requirement Elective 6

FOURTH YEAR

FALL

CIEG 461 - Senior Design Project (DLE)
CIEG 436 - Processing, Recycl., Mgt. of Solid Waste
Groundwater or Technical Elective course
Watershed or Technical Elective course
Air Pollution or Technical Elective course

SPRING

CIEG 461 - Senior Design Project (DLE)
CIEG 442 - Stormwater Management
Air Pollution or Technical Elective course
Surface Water Course
Technical Elective