ENVIRONMENTAL ENGINEERING

uwaterloo.ca/civil-environmental-engineering

98.8% of Environmental Engineering students found co-op jobs in 2019

OVER 7,000 co-op employers from around the globe

Sustainably innovate for a greener future

Society increasingly faces water, energy, and other resource scarcity and quality challenges. Whether it's developing sustainable extraction of raw materials for microchip manufacturing or the provision of safe drinking water, environmental engineers tackle and lead the development of technologies that increase the sustainability of the world's natural (green) and man-made (grey) infrastructure. Environmental engineering is and will continue to be, vital for humanity's future.

With a strong engineering foundation and emphasis on communication and management, harness your passion for sustainable innovation. Tailor your degree by choosing electives from across the faculties, including: Engineering, Science, and Environment. Couple this with two years of work experience upon graduation, and you'll have developed the diverse skills needed to lead and innovate smart, sustainable design and practice in any sector.

KICK-START YOUR IDEAS

We provide the support you need to bring your ideas to life. This includes the Sedra Student Design Centre, the world's largest free incubator space Velocity, our fourth-year Capstone Design project, the Enterprise Co-op program, and funding opportunities to help get your business off the ground.

YOUR FIRST YEAR

FIRST TERM

- Environmental and Geological Engineering Concepts
- Chemistry
- Linear Algebra
- Calculus 1
- Mechanics 1
- Communication in the Engineering Profession

SECOND TERM

- Earth Engineering
- Electrical Circuits and Instrumentation
- Computational Methods
- Calculus 2
- Mechanics 2

UNIVERSITY OF WATERLOO

Waterloo offers the

WORLD'S LARGEST CO-OP PROGRAM

CO-OP AT WATERLOO = REAL WORLD EXPERIENCE

You'll have an unrivaled opportunity to gain paid work experience before you even graduate. We'll help you navigate job applications, résumés, and interviews; you'll have the added benefit of trying out different roles and/or industries to find the one that fits you while building your work experience and reinforcing your in-class learning out in the real world. It all adds up to a competitive advantage after graduation. Environmental Engineering students are part of the Stream 4 sequence.

STREAM 4 STUDY AND CO-OP SEQUENCE

YEAR	TERM	STREAM 4
1	Fall	Study (1A)
	Winter	Work
	Spring	Study (1B)
2	Fall	Work
	Winter	Study (2A)
	Spring	Work
3	Fall	Study (2B)
	Winter	Work
	Spring	Study (3A)
4	Fall	Work
	Winter	Study (3B)
	Spring	Work
5	Fall	Study (4A)
	Winter	Study (4B)

Fall term: September to December
Winter term: January to April
Spring term: May to August

There's no shortage of ways to get involved – you'll have both an outstanding education, as well as a vibrant student experience.

BEYOND THE CLASSROOM

As a Waterloo Engineer, it's easy to get in on the action. You can join the Engineering Society, make a difference with Engineers Without Borders, or apply your studies with a student design team. If you have any questions about student life or want to shadow a current student for a day, our Engineering Ambassadors can help!

uwaterloo.ca/engineering-student-ambassadors

EXPLORE YOUR INTERESTS

Environmental engineers take on the daunting task of making human life better. As our population grows exponentially, with it comes more pollution, as well as a greater strain on our natural resources. Sustainability is at the core of this discipline, whether it's in developing better agricultural processes, tackling the waste epidemic, or protecting our water resources.

CONCENTRATIONS

Our program lets you specialize based on your interests:

› Hydrology and water resources
› Water and wastewater engineering
› Air pollution, greenhouse gases and trade
› Energy and renewable resources
› River and land restoration
› Environmental systems modelling
› Risk analysis

Named one of the

TOP 10

WATER RESEARCH CENTRES IN THE WORLD

EMPLOYMENT OPPORTUNITIES

› Environmental protection technology development
› Water project management
› Public health and safety consulting
› Air pollution control system design
› Green building engineering
› Environmental consulting
› Sustainability and environmental compliance

FACULTY OF ENGINEERING
UNDERGRADUATE ADMISSIONS

enginfo@uwaterloo.ca

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uwaterloo.ca/future-students

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