FACULTY OF ENGINEERING & APPLIED SCIENCE

ENVIRONMENTAL SYSTEMS ENGINEERING

Now more than ever, **environmental challenges require ethical solutions, action, and change.** While pursuing an Environmental Systems Engineering (EVSE) degree, you can merge processes in water, air, land, infrastructure, and industry with creativity to design, implement, and manage new systems. This way, you can design works, perform environmental impact and risk assessments, and analyze data to make well-informed decisions.

Environmental Systems Engineering is a Canadian Engineering Accreditation Board (CEAB) accredited program!

PROGRAMS

- Bachelor of Applied Science in Environmental Systems Engineering
- Bachelor of Applied Science (Co-op) in Environmental Systems Engineering
- Bachelor of Applied Science (Internship) in Environmental Systems Engineering
- Master of Engineering (Project)
- Master of Applied Science (Research)
- Master of Engineering (Coop)
- Doctor of Philosophy (Research)

LEARN BY DOING!

The EVSE program offers hands-on learning with real-world experience. Plus, you'll have access to 5 laboratories, dedicated instructors, and cutting-edge technology.

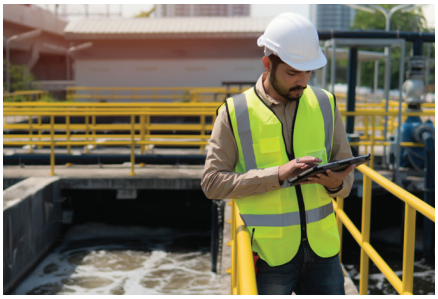
CO-OPERATIVE EDUCATION AND INTERNSHIPS

Earn while you learn!
As an EVSE student, Co-op work placements allow you to earn between $8,000 and $13,000 per semester while gaining valuable real-world experience. Plus, after completing the required number of work terms, your degree will have a co-op designation.

HANDS-ON LABS

- Surveying and GIS Labratory
- Water and Wastewater Laboratory
- Geotechnical Engineering Laboratory
- Fluids Dynamics & Hydraulics Laboratory
- Computer Aided Engineering Laboratory

ENVIRONMENTAL SYSTEMS ENGINEERING CONT'D



With world-class research facilities, you'll have the opportunity to participate in research on a wide range of environment-specific topics to tackle important issues.

RESEARCH AREAS:

- Climate simulation
- Cold region engineering
- Drinking water and sustainable wastewater treatment
- Energy and environmental economics
- Environmental risk management
- Sustainable environmental systems infrastructure
- Sustainable municipal and mining waste management
- Traffic and transportation engineering

POTENTIAL CAREERS:

- Air Quality Engineer
- Environmental Consultant
- Environmental Engineer
- Hydraulic Engineer
- Water Resource Manager
- Government
- Industrial or Mining Companies
- Transportation Engineer
- Waste Management Engineer
- City Public Works Engineer

As an Environmental Engineer, you could potentially make $105,054 per year*!

*Based on the 2022 APEGS Salary Survey Summary Results. Visit https://www.apegs.ca/assets/apegs-salary-survey-summary-results-corrected.pdf for more information.

SYSTEMS APPROACH

Our Systems Engineering approach combines classes in areas such as business, economic, social, environmental, and professional awareness and focuses on the range of skills you need to be a professional engineer in the modern world. Combining the human elements of engineering with the technical side prepares you to work in the broader context of multi-disciplinary, team design approach.

The **EVSE program has a 20:1 student-to-teacher ratio**, meaning that the odds of making important connections, participating in leading research, and connecting with industry-leading mentors are in your favour!

University of Regina | FACULTY OF ENGINEERING & APPLIED SCIENCE

CONTACT U OF R ENGINEERING AND APPLIED SCIENCE FOR MORE INFORMATION ABOUT OUR FACULTY OR PROGRAMS:

Email: engg@uregina.ca
General Office: 306.585.4734
uregina.ca/engineering