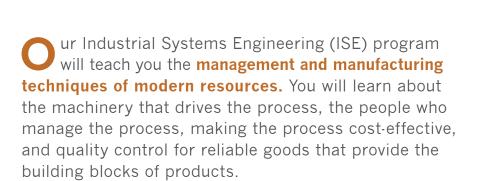


# **INDUSTRIAL SYSTEMS**

**ENGINEERING** 



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



# **PROGRAMS**

- Bachelor of Applied Science in Industrial Systems Engineering
- Bachelor of Applied Science (Co-op) in Industrial Systems Engineering
- Bachelor of Applied Science (Internship) in Industrial Systems Engineering



# **LEARN BY DOING!**

The ISE program offers hands-on learning with real-world experience. Plus, you'll have access to laboratories and the opportunity to make close connections with dedicated instructors.

#### **CO-OPERATIVE EDUCATION AND INTERNSHIPS**

#### Earn while you learn!

As an ISE 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

- Thermodynamics Lab
- Process Engineering Lab
- · Materials Lab
- Manufacturing Lab



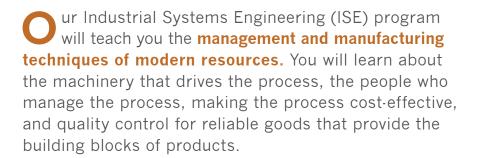






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# INDUSTRIAL SYSTEMS ENGINEERING CONT'D





During your studies, you'll have the opportunity to participate in cutting-edge research.

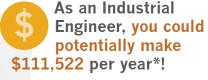
### **RESEARCH AREAS:**

- CO2 capture and greenhouse gas controlling technology
- Greenhouse gas mitigation
- · Development of greener fuels
- Additive manufacturing and 3d printing
- Sound and wave propagation
- Artificial/computer sapience
- Sustainable and resilient infrastructure
- · Supply chain management

## **POTENTIAL CAREERS:**

- · Industrial Engineer
- Manufacturing Engineer
- · Process Engineer
- Production Engineer
- · Design Engineer
- Engineering Consultant
- · Quality Control Engineer

- · Production Engineer
- · Supply Chain Manager
- Ergonomics Engineer
- Facilities & Equipment Engineer
- · Robotics Engineer
- · Sales Engineer



\*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.





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

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