Co-operative Education... Works!

MEMORIAL UNIVERSITY

CO-OPERATIVE EDUCATION
Faculty of Engineering and Applied Science

Welcome to Co-op!

Welcome and thank you for your interest in Memorial University's Engineering Co-operative Education program.

The Bachelor of Engineering undergraduate degree program at Memorial is offered through a mandatory co-operative education model. Students alternate in four-month periods between academic terms and co-operative education work terms.

Memorial offers undergraduate engineering degree programs in civil, electrical, computer, mechanical, mechatronics, ocean and naval architectural and process. Our strength is in our diversified programs and innovative learning practices combined with an industry-focused curriculum.

Graduate course-based Master of Applied Science programs in engineering are offered through an optional internship model. Students in computer, environmental systems engineering and management, energy systems, oil and gas and safety and risk engineering programs can opt-in to complete one eight-month internship.

Our long-standing partnerships with employers attest to the success of our co-operative education program. Combined with academic and industry experiences, students are able to implement innovative design solutions to engineering problems.

We look forward to building mutually beneficial partnerships that enhance the work-integrated learning of students.

Pat Sullivan, B. Eng., M.B.A.
Interim Director & Academic Staff Member
Co-operative Education Office
Faculty of Engineering and Applied Science
Memorial University of Newfoundland

For over 20 years, Hatch has been proud to participate as an employer in Memorial University's Co-operative Engineering Program. Our co-op students have provided valuable assistance to the engineers in our St. John's office and several have transitioned into full-time employees of Hatch after graduation. Hatch is happy to support this important program and to continue to provide a wide range of design and project experience to our civil and mechanical engineering co-op students.

Fay Pittman, P.Eng.
Associate/Senior Project Manager – Infrastructure
Hatch

Why co-operative education works...

Ideas and innovation flourish at Memorial University and so do our students. Co-operative education fosters mutually beneficial partnerships between our students, their employers and the university. Our diverse group of co-op students:

- introduce a dynamic and fresh perspective to your organization;
- have an exceptional knowledge base for engineering and the use of state-of-the-art engineering tools;
- bring the latest investigation, problem analysis, design and project management skills to benefit your organization;
- are professional and work well in team environments;
- deliver outstanding presentations and technical reports;
- mentorship and leadership skill-development opportunities for your management team;
- offer an outlet for your organization to give back to the engineering profession by contributing to the education of future colleagues;
- fill human resources needs through the use of our professional recruitment process for various special projects, peak and vacation periods;
- accelerate the implementation of your succession plan by providing the opportunity to observe and influence future engineers at work; and
- provide opportunity to evaluate future potential hire opportunities.

Fast facts

Memorial University

- Memorial University is located in the province of Newfoundland and Labrador and is one of the largest universities in Atlantic Canada. It has five campuses; four in the province and one in Harlow, England.
- Memorial is a fully accredited university with an enrolment of almost 19,000 students, and offers more than 100 degree programs.

For more information on Memorial and its programs, go to www.mun.ca

Engineering Co-operative Education Program

- Started in 1969, the Engineering Co-operative Program is one of the oldest and largest undergraduate co-operative education programs in Canada.
- The undergraduate program is fully accredited by Co-operative Education and Work-Integrated Learning (CEWIL) Canada.
- Work terms are managed by the Engineering Co-operative Education Office (ECEO).
- Approximately 350-500 undergraduate students seek employment each work term across all disciplines.
- Graduate students can complete an internship in select course-based Master of Applied Science programs (MASc) as of January 2024.
- Students are employed throughout Canada, the United States and the world.

> **Verafin has been working with the MUN Engineering department for many years. The work term students are an important part of our culture. By providing opportunities to engage and contribute to meaningful projects, the students never disappoint through fresh perspectives, new ideas, and a strong work ethic. Not only do they provide a significant contribution and deliver value during their work term, they learn a lot about our business, product, and culture and hit the ground running as full-time employees after graduation. Working with the MUN Engineering department is a big part of our recruitment strategy and always results in high quality employees.**
>
> Marvin Chaulk
>
> *VP Administration*
>
> *Verafin*

For more information on Memorial's Engineering Co-operative Education Program, go to

https://www.mun.ca/coop/programs/engineering/program-information/

Engineering Undergraduate Program

Overview

- The Faculty of Engineering and Applied Science has an enrolment of approximately 500 undergraduate students each year for a five-year, mandatory co-operative degree program.
- The undergraduate degree program has eight, four-month academic terms and six, four-month work terms.
- First-year engineering is offered at three different campuses; St. John's, Grenfell and Labrador.
- Co-op is offered in all seven discplines, for course specific information click the program name:

Civil | Mechanical | Computer | Mechatronics | Electrical | Ocean and Naval Architectural | Process

Program Structure

Term	Fall	Winter	Spring
Year 1	Engineering One*		
Year 2	AT3	WT	AT4
Year 3	WT	AT5	WT
Year 4	AT6	WT	AT7
Year 5	WT	AT8	

AT = Academic Term, WT = Work Term

*May include a work term

Engineering Graduate Internship Program

Overview

- Memorial offers both thesis-based (M.Eng.) and course based (MASc.) Masters Programs in Engineering.
- Internships are available for students completing select course-based MASc. programs.
- Selected students are invited to opt-in to complete an eight-month internship during their program.

Internships are available in the following programs, for course specific information click the program name:

Computer Engineering

Energy Systems Engineering*

Oil and Gas Engineering

Safety and Risk Engineering

Environmental Systems Engineering and Management

*Technical Streams offered in Energy Conversion and Power Systems

Program Structure

Year	Fall	Winter	Spring
Year 1	AT1	AT2	AT3
Year 2	AT4	*Internship	
Year 3	AT5		

*Winter intake students will complete their internship following AT3.

For more information on graduate programs, go to www.mun.ca/engineering/graduate/programs/

Recruitment made simple...

Recruitment services available through the Engineering Co-operative Education Office include:

- job postings through our online competition;
- résumé collection and forwarding service;
- scheduling and coordinating in person and virtual interviews;
- assistance with travel authorizations, work permits, visas and employment verifications;
- scheduling and facilitating employer information sessions;
- annual Career and Graduate School Fair;
- on-site term visits with employers to discuss work term/internship opportunities.

Memorial Recruitment dates found here: https://www.mun.ca/coop/employers/hiring-process/

Bell Aliant has been hiring co-op. engineering students from Memorial for several years. The students take on many of the responsibilities and duties of our employees, and are given every opportunity to expand their knowledge and experience through diverse work assignments. Memorial's students have always shown themselves to be bright, organized and diligent, which is why many receive employment with us after graduation.

Jeff Card, P.Eng., FEC
BRES Senior Manager
Atlantic Program and Projects Bell Aliant

Our experience with a first year MUN co-operative work term student was fantastic. Our student was engaged and had a level of technical skills that he was able to complete real meaningful work right from the start. He was a self-starter and very professional. His work added significant value to the organization, and as such, we would gladly hire another student through the MUN Co-op Education Program.

Michael Chapman, P.Geo., M.EnvMgt, BSc
Manager, Infrastructure and Sustainability
Nova Scotia Community College

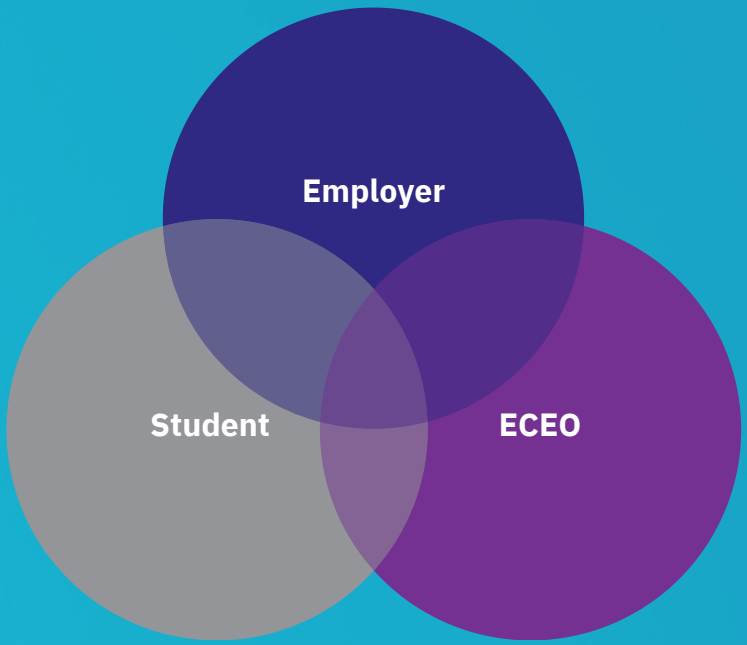
Hiring Process

The job competition starts approximately four months prior to the start of each work term, which occur in the fall, winter and spring semesters.

Co-operative partnership

The success of our program is built on strong relationships between us, our employers and students.

Mentorship | Supervision | Feedback
Objectives | Salary | Work Assignments



Innovative Ideas
Teamwork | Diversity
Professionalism | Enthusiasm

Job Development
Guidance | Evaluation
Work Term Preparation

Co-operative Education... Works worldwide!

Since 1969, Memorial University's Engineering Co-operative Education Program has placed thousands of students worldwide in over 50 countries on six continents!

Exmar Offshore Company (EOC) is pleased to have supported the Memorial University co-op. program for the past 20 years. In this time, EOC has benefitted from the participation of over 100 work-term students of which several students have been hired and continue to make valuable contributions to the company. MUN's co-op. program is unique and graduates have the advantage of work experience on the first day they are hired. This work experience and the additional time taken to mature in their respective disciplines are highly valued at EOC. EOC looks forward to continuing the very successful relationship it has with MUN.

David Lim
Managing Director
Exmar Offshore

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Co-operative Education Office

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SCAN ME

www.mun.ca/coop/programs/engineering