CO-OPERATIVE EDUCATION ... WORKS!
MEMORIAL UNIVERSITY
OF NEWFOUNDLAND

ENGINEERING
CO-OPERATIVE
EDUCATION

Faculty of Engineering and Applied Science
FACULTY OF ENGINEERING AND APPLIED SCIENCE (FEAS)

VISION
To be one of the most distinguished engineering schools in Canada and beyond, and fulfill a special obligation to the people of Newfoundland and Labrador.

MISSION
Dedicated to the highest quality of teaching, research service and external engagement, in order to make a significant positive impact on society, locally, nationally and internationally.
FACULTY OF ENGINEERING AND APPLIED SCIENCE (FEAS)

Full accreditation with the Canadian Engineering Accreditation Board (CEAB) since 1975
Cutting-edge laboratories and research centres

Reputation of excellence in engineering education and research
Distinguished teachers and world-renowned researchers
ENGINEERING DISCIPLINES

- MECHANICAL
- PROCESS
- CIVIL
- OCEAN & NAVAL ARCHITECTURE
- ELECTRICAL
- COMPUTER
5 year mandatory Co-operative program
Classes 2018–2021

Source: MUN Engineering Undergraduate Office
Departments in which students have been employed

- Engineering Services
- Technical Services
- External Operations
- Asset Management

Which disciplines can Municipalities utilize?

- Construction
- Mechanical
- Process Engineering - Assets
- Electrical

Source: MUN Engineering Undergraduate Office
STUDENT ENGAGEMENT

Paradigm Hyperloop

MEMORIAL BAJA

Great Northern Concrete Toboggan Race

together by design

Terra Society of North America

MUN SAILBOT
STUDENT ACHIEVEMENTS

• Atlantic Engineering Competition (AEC)
  1st place for Debate and Consulting
  2nd place for Consulting, Communications,
  Innovative Design, Programming, and
  Re-Engineering 2018
• SpaceX Hyperloop Competition
  1st team ever to use an air-bearing system
  2nd place for Speed 2017
• CSME 3-D Print Challenge
  1st place for Business Plan 2017
• Great Northern Concrete Toboggan Race
  Best New Team and People's Choice 2018
• Charity Ball
  Raised $19K for Stella’s Circle 2018
• Academic All-Canadians
  Regional Community Service Award Winner 2017
• Canada’s Smartest Person 2016
• Rhodes Scholar 2013
• CAFCE Student of the Year 2011
Since 1969, Memorial’s Engineering Co-operative Education Program has placed thousands of students world wide in over 40 countries on six continents!
Co-operative education is a structured method of combining classroom-based education with practical work experience.

Started in 1969, Memorial’s program is one of the oldest and most prestigious co-operative education programs in Canada.

It is fully accredited by the Canadian Association for Co-Operative Education.

Students are employed throughout Canada, the United States and the world.
ENGINEERING CO-OP PLACEMENTS 2017

TOTAL PLACEMENTS: 1,184

<table>
<thead>
<tr>
<th>Region</th>
<th>Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>ST. JOHN’S AREA</td>
<td>54%</td>
</tr>
<tr>
<td>REST OF NL</td>
<td>18%</td>
</tr>
<tr>
<td>INTL</td>
<td>3%</td>
</tr>
<tr>
<td>U.S.A</td>
<td>1%</td>
</tr>
<tr>
<td>WESTERN CANADA</td>
<td>7%</td>
</tr>
<tr>
<td>CENTRAL CANADA</td>
<td>11%</td>
</tr>
<tr>
<td>EASTERN CANADA</td>
<td>6%</td>
</tr>
</tbody>
</table>

TOTAL PLACEMENTS: 1,184
WHERE DO OUR STUDENTS WORK?

- MINING
- RENEWABLE ENERGY
- OIL & GAS
- SHIPBUILDING/MARINE
- TELECOMMUNICATIONS
- TRANSPORTATION, CONSTRUCTION & INFRASTRUCTURE
- UTILITIES
- RESEARCH & DEVELOPMENT
MEMORIAL’S CO-OP REPUTATION

“... The review team...were impressed with programs: healthy participation numbers, impressive detailed student handbook and the innovative grading process...

... We commend MUN for its ongoing leadership in Canadian co-operative education and adherence to the CAFCE criteria and standards of quality...”

CAFCE - Six Year Accreditation
(Ending December 2021)
ENGINEERING CO-OP EDUCATION OFFICE (ECEO)

13 CO-ORDINATORS (ASM-CE)
6 OFFICE STAFF
ALL ASM-CES HAVE INDUSTRY EXPERIENCE.

KEY CONTRIBUTIONS

- Active in job retention and development
- Provide expertise, mentorship and guidance
- Prepare the students for the workplace
- Assist with mandatory work term requirements
- Provide evaluation at end of each term
- Liaise with employers and monitor students
- Implement reflective learning
ENGINEERING CO-OPERATIVE EDUCATION AT MEMORIAL

Junior and senior students are available each term.

**Work terms:** 4 mandatory / 6 maximum  
**Duration:** 16–17 weeks  
**Student Availability:** fall, winter, spring

<table>
<thead>
<tr>
<th>TERM</th>
<th>FALL</th>
<th>WINTER</th>
<th>SPRING</th>
</tr>
</thead>
<tbody>
<tr>
<td>YEAR 1</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Engineering One*</td>
<td></td>
</tr>
<tr>
<td>YEAR 2</td>
<td>AT 3</td>
<td>WT</td>
<td>AT 4</td>
</tr>
<tr>
<td>YEAR 3</td>
<td>WT</td>
<td>AT 5</td>
<td>WT</td>
</tr>
<tr>
<td>YEAR 4</td>
<td>AT 6</td>
<td>WT</td>
<td>AT 7</td>
</tr>
<tr>
<td>YEAR 5</td>
<td>WT</td>
<td>AT 8</td>
<td></td>
</tr>
</tbody>
</table>

AT = Academic Term, WT = Work Term  
*May include a work term in some cases
WHY A MEMORIAL ENGINEERING STUDENT?

OUR STUDENTS HAVE:
An exceptional knowledge base
New and innovative ideas
Initiative, desire and are eager to contribute
Professional attributes including teamwork, communication skills and ethics
Soft skills training
WHY A MEMORIAL ENGINEERING STUDENT?

EMPLOYER BENEFITS:
Utilize talented and bright future engineers-in-training
Give back to the profession
Fill human resources needs – students are affordable!
Mentorship/leadership opportunities for employer
Accelerate a succession plan
Provide an opportunity to evaluate future potential hires
ENSURING A GOOD FIT!
Students are able to decline an offer
Students are able to remove themselves directly after an interview
Employers can choose to not offer the position to interviewed candidates
“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  
Bell Canada

“The performance of our MUN students (quality work, quick learners, confidence) helped us start strong and has continued to reinforce AFS’s positive reputation with our current and future clients.”

Jacqueline Vinicombe  
Assured Flow Solutions