CO-OPERATIVE EDUCATION … WORKS!



MEMORIAL UNIVERSITY

MEMORIAL UNIVERSITY OF NEWFOUNDLAND

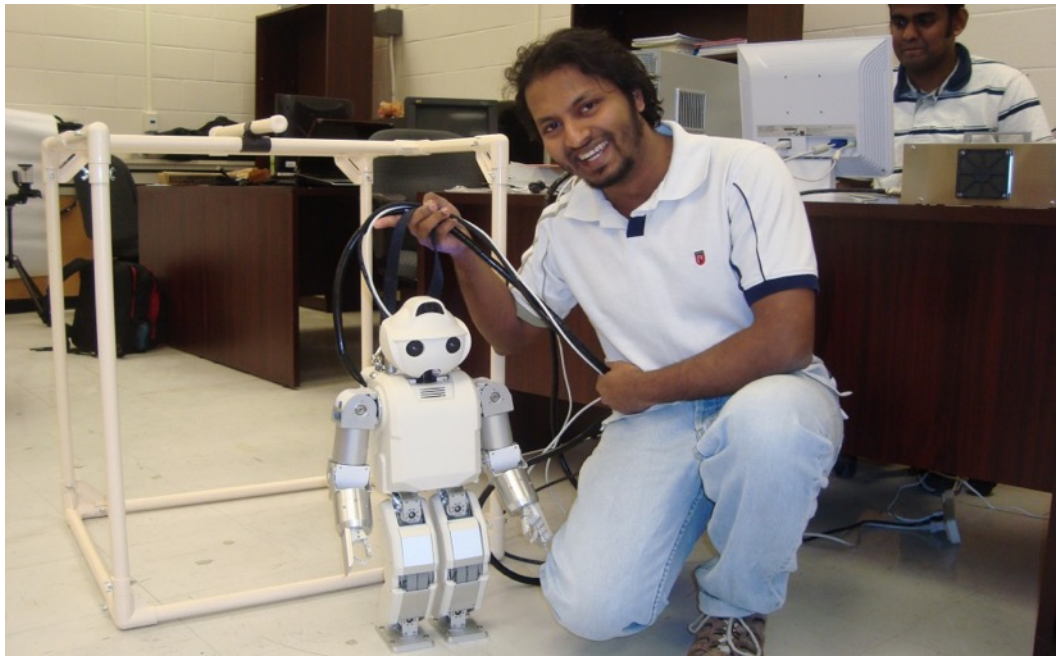
ENGINEERING CO-OPERATIVE EDUCATION

Faculty of Engineering and Applied Science



FACULTY OF ENGINEERING AND APPLIED SCIENCE (FEAS)





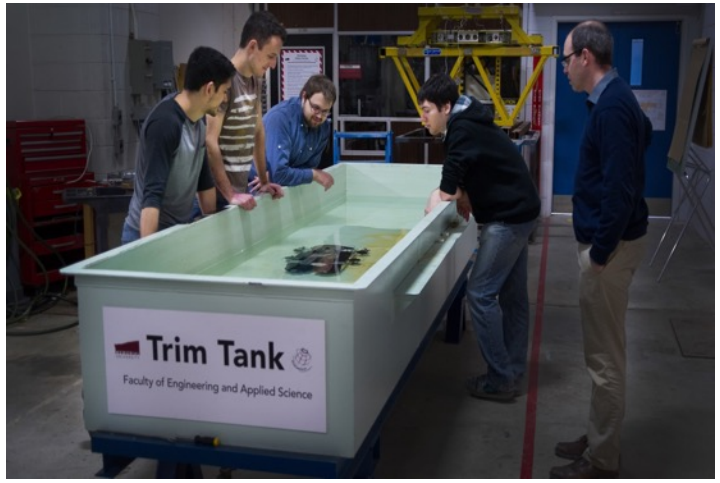
VISION

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.

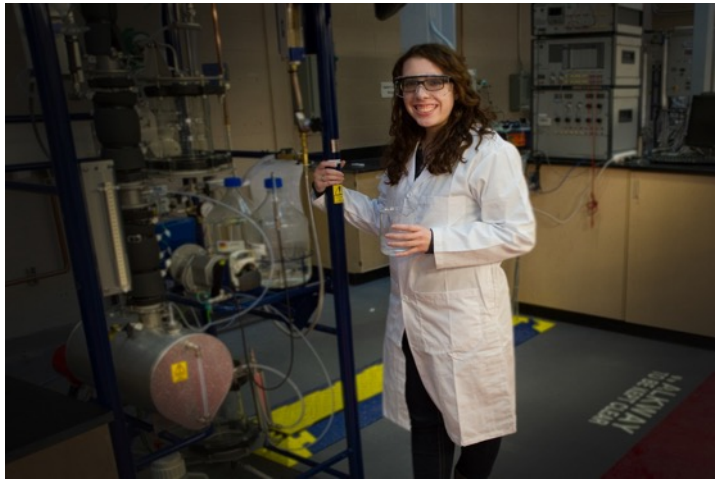
MISSION

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)







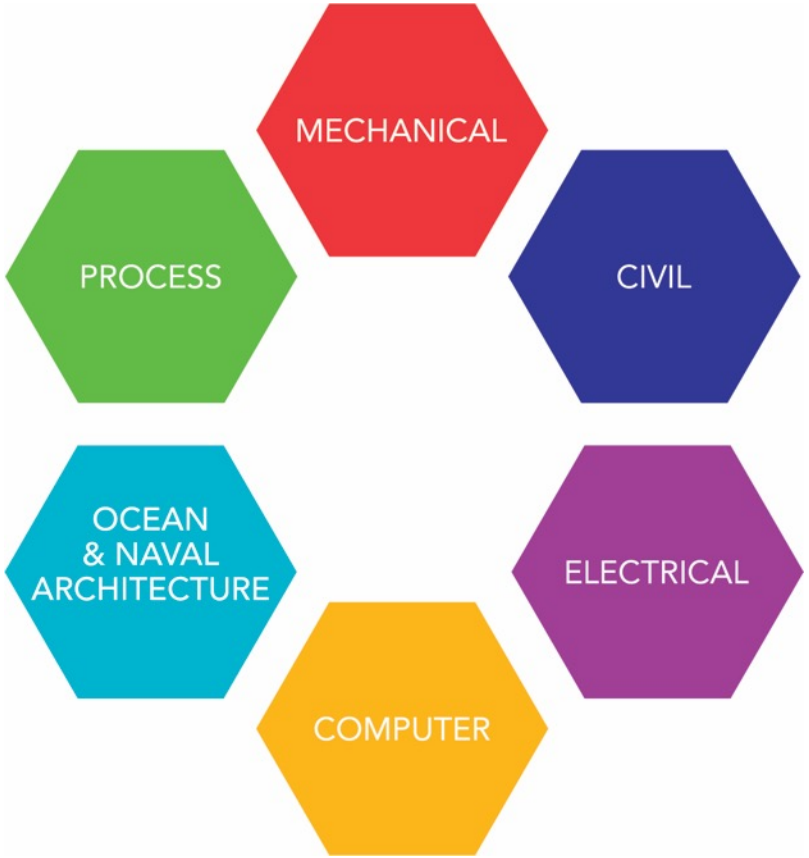
Full accreditation with the Canadian Engineering Accreditation Board (CEAB) since 1975

Cutting-edge laboratories and research centres

Reputation of excellence in engineering education and research

Distinguished teachers and world-renowned researchers

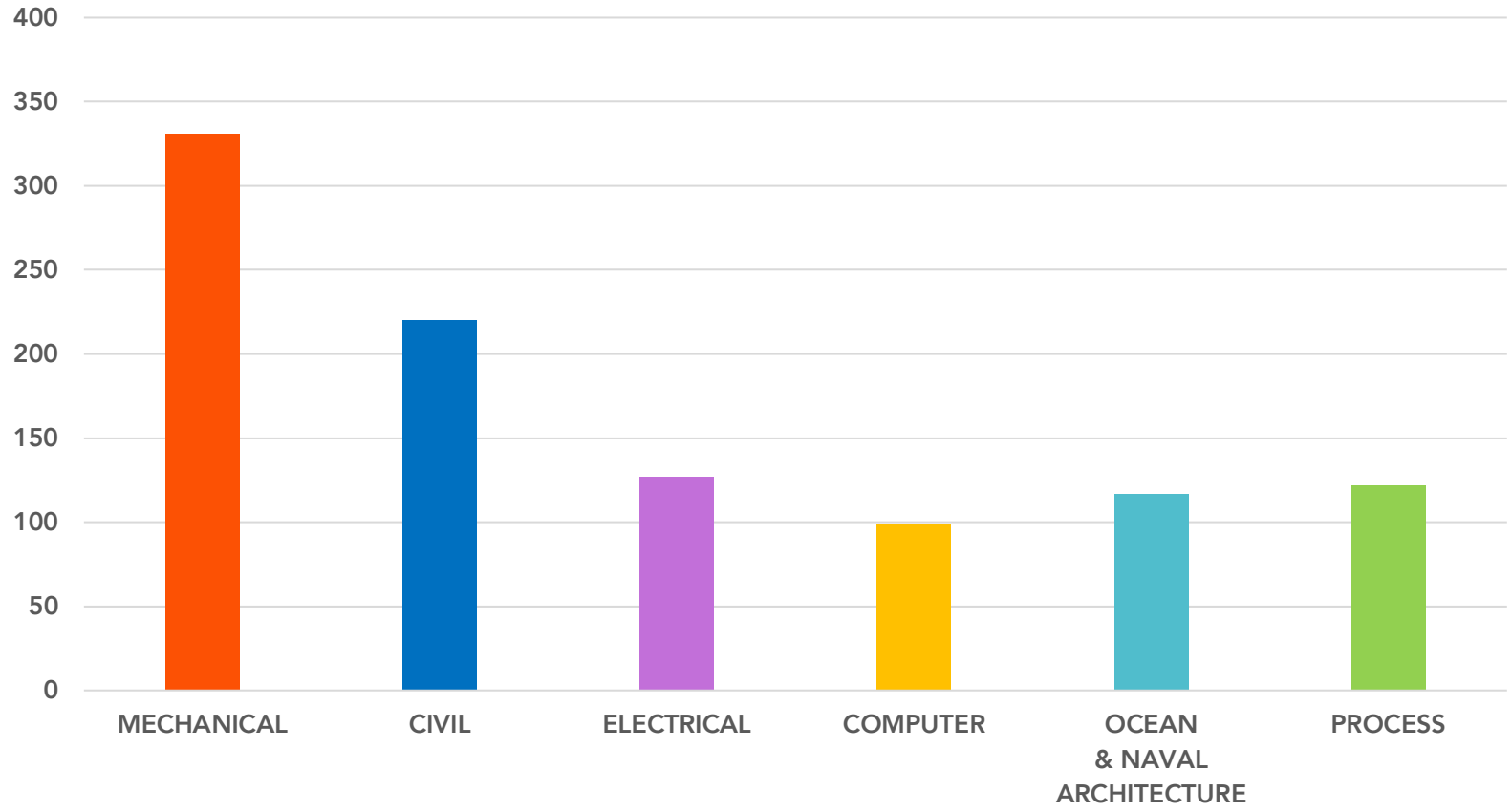
ENGINEERING DISCIPLINES



ENROLMENT

5 year mandatory Co-operative program

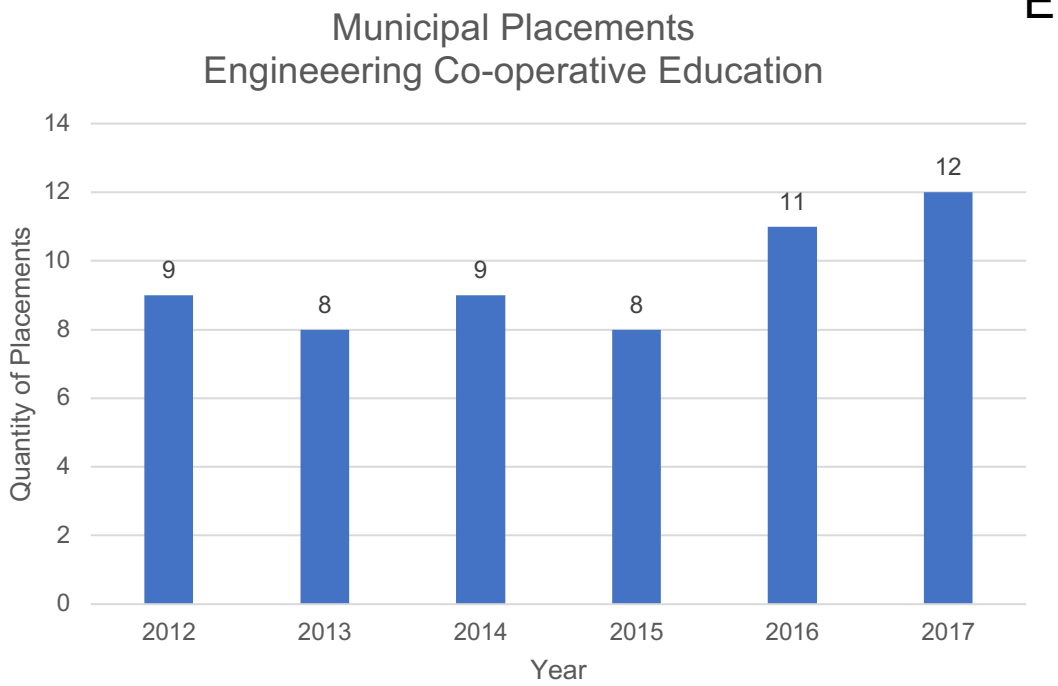
Classes 2018–2021



Source: MUN Engineering Undergraduate Office

Departments in which students have been employed

Engineering Services
Technical Services
External Operations
Asset Management



Source: MUN Engineering Undergraduate Office

Which disciplines can Municipalities utilize?

Construction
Mechanical
Process Engineering - Assets
Electrical

STUDENT ENGAGEMENT



Paradigm Hyperloop





eastern edge



Great Northern Concrete Toboggan Race









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



CO-OP EDUCATION WORKS WORLDWIDE



Since 1969, Memorial's Engineering Co-operative Education Program has placed thousands of students world wide in over 40 countries on six continents!

MEMORIAL'S CO-OPERATIVE EDUCATION PROGRAM

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.



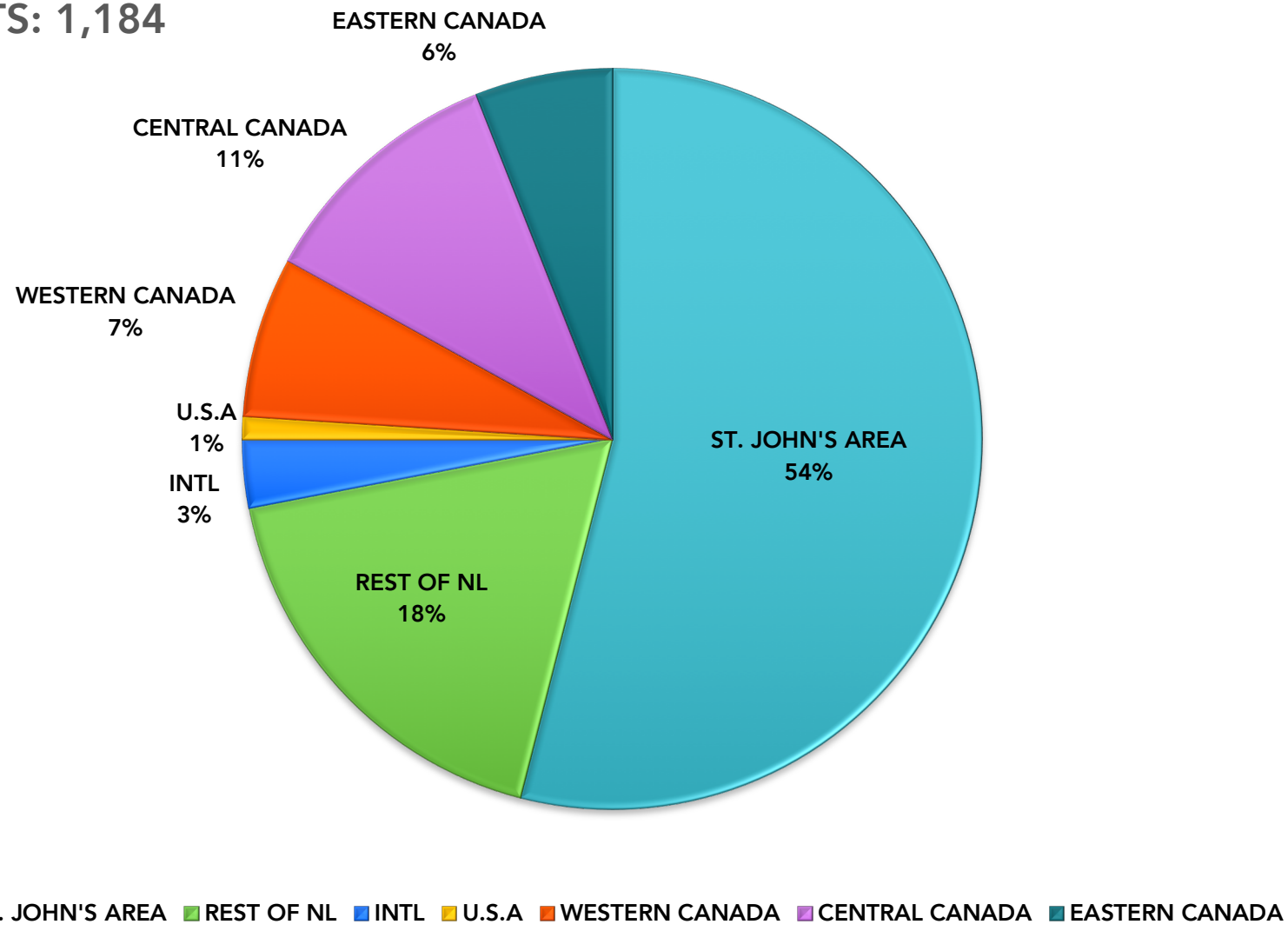
It is fully accredited by the Canadian Association for Co-Operative Education.



Students are employed throughout Canada, the United States and the world.

ENGINEERING CO-OP PLACEMENTS 2017

TOTAL PLACEMENTS: 1,184



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

TERM	FALL	WINTER	SPRING
YEAR 1	Engineering One*		
YEAR 2	AT 3	WT	AT 4
YEAR 3	WT	AT 5	WT
YEAR 4	AT 6	WT	AT 7
YEAR 5	WT	AT 8	

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



WORK TERM AND HIRING PROCEDURES



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

