

### **Accelerated Master of Engineering Science (MESC) Program**

The Accelerated Master of Engineering Science (MESC) program is designed to encourage outstanding and research-motivated students to complete the MESC degree through one extra year of study beyond their BESC program.

This program is offered to current 3<sup>rd</sup> year Western students in Engineering or related disciplines, and in order to be accepted into the Accelerated MESC, an applicant must have achieved at least 78% cumulative average based on 2<sup>nd</sup> and 3<sup>rd</sup> years of the undergraduate program. For dual-degree students, the admission average is calculated based on 2<sup>nd</sup> and 3<sup>rd</sup> years of the Engineering program.

#### **Program format:**

Applicant must identify a supervisor during 3<sup>rd</sup> year and begin his/her research project in supervisor's lab (typically through NSERC USRA or Dean's Research Award) in the Summer before the beginning of 4<sup>th</sup> year.

During the 4<sup>th</sup> year of the undergraduate program, the student shall;

- Register in the thesis course (1.0 credit) or equivalent, substituting two 4<sup>th</sup> year technical electives. The thesis course should be the continuation of the work conducted during the summer before
- Take one graduate level course as a substitute for a 4<sup>th</sup> year technical elective
- Complete rest of the courses and other requirements for the BESC program or equivalent
- May take (optional) one graduate course as an overload. To be counted as a credit in the graduate degree
- Maintain a cumulative average of 78% based on 3<sup>rd</sup> and 4<sup>th</sup> years of the undergraduate program
- Satisfactory performance in research as determined by the supervisor

Starts MESC program in May (immediately after completing BESC or equivalent degree):

- Take two graduate courses (if took the overload graduate course in the 4<sup>th</sup> year)
- Take three graduate courses (if no overload graduate course in the 4<sup>th</sup> year)
- Complete research and thesis

### Program Structure:

Undergraduate (BESc) Program		Graduate (MESC) Program	
Summer term before 4 <sup>th</sup> year	4 <sup>th</sup> year (September –April)	Summer term after 4 <sup>th</sup> year	Subsequent terms
<ul style="list-style-type: none"> <li>• Research begins in supervisor’s lab</li> </ul>	<ul style="list-style-type: none"> <li>• Thesis course</li> <li>• One graduate course</li> <li>• Second graduate course (optional)</li> <li>• Other 4<sup>th</sup> year course requirements</li> </ul>	<ul style="list-style-type: none"> <li>• Graduate studies begin</li> </ul>	<ul style="list-style-type: none"> <li>• Two or three graduate courses</li> <li>• Research work</li> <li>• Thesis writing</li> </ul>
Typically funded through NSERC USRA or Dean’s Award	No financial support provided	Fully funded program that covers <b>tuition fee</b> plus a living allowance of at least <b>\$14,200/year</b>	

### How to Apply and Admission Requirements:

- Interested students must complete an online application for graduate studies (Accelerated Masters program) no later than August 1<sup>st</sup> prior to beginning their 4<sup>th</sup> year of study.
- Students who work in the summer prior to beginning their 4<sup>th</sup> year of study through the summer research program in Engineering (NSERC USRA, Dean’s Award or Summer Research Award) are eligible to apply.
- Students must also register in the appropriate 4<sup>th</sup> year courses as described in the table above.
- Canadian citizens, permanent residents and international students are all eligible to apply

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