

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 3rd 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 2nd and 3rd years of the undergraduate program. For dual-degree students, the admission average is calculated based on 2nd and 3rd years of the Engineering program.

Program format:

Applicant must identify a supervisor during 3rd 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 4th year.

During the 4th year of the undergraduate program, the student shall;

- Register in the thesis course (1.0 credit) or equivalent, substituting two 4th 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 4th 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 3rd and 4th 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 4th year)
- Take three graduate courses (if no overload graduate course in the 4th year)
- Complete research and thesis

Program Structure:

Undergraduate (BESc) Program		Graduate (MESC) Program	
Summer term before 4 th year	4 th year (September -April)	Summer term after 4 th year	Subsequent terms
<ul style="list-style-type: none"> • Research begins in supervisor's lab 	<ul style="list-style-type: none"> • Thesis course • One graduate course • Second graduate course (optional) • Other 4th year course requirements 	<ul style="list-style-type: none"> • Graduate studies begin 	<ul style="list-style-type: none"> • Two or three graduate courses • Research work • Thesis writing
Typically funded through NSERC USRA or Dean's Award	No financial support provided	Fully funded program that covers tuition fee plus a living allowance of at least \$13,000/year	

How to Apply and Admission Requirements:

- Interested students must complete an online application for graduate studies (Accelerated Masters program) no later than August 1st prior to beginning their 4th year of study.
- Students who work in the summer prior to beginning their 4th 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 4th year courses as described in the table above.
- Canadian citizens, permanent residents and international students are all eligible to apply

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