

## **STEP 1:** Program Description

# Women in Engineering Student Research & Mentorship Program for grade 11 students (July 3, 2018 – August 16, 2018)

**Teachers, Parents/Guardians, Guidance Counsellors:** Please share this summer work opportunity with grade 11 female students who are interested or curious about engineering and who have scored over 80% in grade 11 physics.

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## About the Program

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The Lassonde School of Engineering at York University is hosting its exciting Women in Engineering Student Research & Mentorship Program as part of our Lassonde 50:50 Challenge: to be the first engineering school in Canada to achieve an equal number of male and female students. This is an amazing opportunity for young women to get hands-on work experience in engineering fields. Alongside seminars and field trips, the female students will work with our professors and undergraduate student researchers on topics such as: finding ways to reduce Toronto's water footprint, improve human health with new medical devices and make the city accessible to people with physical, visual or mental impairments.

**Application Deadline: Sunday June 24, 2018 11:00 p.m.**

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## The Application Process

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Students complete this application: <http://bit.ly/LassondeSummerResearch>

- Students also submit a resume, cover letter, transcripts and a one-page essay explaining why they want this position as a young woman interested in making a difference with science and engineering.
- Students ask one teacher (preferably their grade 11 physics teacher) to provide a reference, either using the form attached in Step 3 or the online form here:  
<http://bit.ly/TLassondeTeacherReferenceForm>
- Students and teachers send all documentation by **Sunday June 24, 2018 at 11pm** to:  
[marisa.sterling@lassonde.yorku.ca](mailto:marisa.sterling@lassonde.yorku.ca)
- Applicants will be informed of the selection decision by **Friday June 29, 2018**.

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## More About the Program and the Requirements

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This is a 6-week paid part-time position led and supervised by our staff, professors, and undergraduate researchers. It is an exceptionally unique opportunity for students to earn some money while learning about how engineering can help to make a difference in the world and what it is like to be an engineering university student. The mentorship portion of the program aims to do the following:

- Provide hands-on experiences in the field of engineering.
- Allow young women to discover how they can be successful in studying and working in engineering, even though it may be seen as a field where they are underrepresented.
- Be inspired by successful female professionals and meet like-minded youth.
- Research important topics such as water sustainability and health care.
- Help make a difference in physical accessibility, making safe spaces for people with visual, physical or mental impairments.

What does it take to succeed as a student in this program?

- Completed grade 11 physics with a minimum average of 80%.
- Demonstrated initiative and strong communication skills.
- Creative courage to learn, and work effectively both on your own and in a team.
- Enthusiasm. Students are expected to commit to this experience with the desire to learn and the drive to make the most out of this opportunity.

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## Contact Us

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**Program Manager:** Marisa Sterling, P.Eng., Assistant Dean, Inclusivity & Diversity

**Address:** 4700 Keele Street, North York, ON M3J 1P3

**Phone number:** (416) 736-2100 ext. 44146

**Email:** [marisa.sterling@lassonde.yorku.ca](mailto:marisa.sterling@lassonde.yorku.ca)

## STEP 2: Student Application Process

### Women in Engineering Student Research & Mentorship Program

Deadline for Application: Sunday June 24, 2018 at 11:00pm.

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Here is how to apply to the Lassonde School's Women in Engineering Student Research & Mentorship Program.

#### 1. Online Application

Complete the online application at: <http://bit.ly/LassondeSummerResearch>

#### 2. Supporting Documentation

a. Along with your online application, please submit the following:

- i. Resume
- ii. Cover Letter
- iii. A one-page essay on why you want this position and what being a woman interested in science and engineering means to you
- iv. Transcripts of your grade 10 and 11 classes, highlighting your grade 11 physics mark.

3. Ask your teacher (preferably your grade 11 physics teacher) to complete the teacher reference form attached in Step 3 or online at this link: <http://bit.ly/TLassondeTeacherReferenceForm>

4. Email all supporting documentation (resume, cover letter, one-page essay, and transcripts) to Marisa Sterling, P.Eng., Assistant Dean, at [marisa.sterling@lassonde.yorku.ca](mailto:marisa.sterling@lassonde.yorku.ca). Ensure your teacher has also submitted their reference form BEFORE the application deadline.

**DEADLINE:** Please fill in the online application and send in your supporting documentation by **Sunday June 24, 2018 at 11:00pm**. No late applications will be considered.

Questions? Contact us at (416) 736-2100 ext. 44146 or [marisa.sterling@lassonde.yorku.ca](mailto:marisa.sterling@lassonde.yorku.ca)

## STEP 3: Teacher reference required

Please have one of your teachers (preferably your grade 11 physics teacher) complete the online form at <http://bit.ly/TLassondeTeacherReferenceForm> or complete the form below and email it to [marisa.sterling@lassonde.yorku.ca](mailto:marisa.sterling@lassonde.yorku.ca) by **Sunday June 24, 2018 at 11pm. No late forms will be considered.**

### Teacher Reference Form - Student Research & Mentorship Program

Name of Student: \_\_\_\_\_ Name of Teacher: \_\_\_\_\_

Name of School: \_\_\_\_\_

School phone: \_\_\_\_\_ Teacher E-mail: \_\_\_\_\_

Which subject(s) did you teach this student this academic year?

How long and in what capacity have you known the applicant? \_\_\_\_\_

Would you recommend this student as an ambassador of your school?      \_\_\_ yes      \_\_\_ no

Your insights are very valuable to us. They help us determine if the student demonstrates the necessary attributes to work in a university research lab. Please evaluate the applicant in terms of the characteristics given below. Please place an "X" along the rating scale for each characteristic.

	Outstanding (Top 10% of the class)	Above Average	Average	Below Average
Curiosity and eagerness to learn				
Ability to work independently				
Ability to work in a team				
Ability to demonstrate initiative				
Ability to adapt to new situations				
Communication skills				
Levels of interest in less traditional fields of study				

Please comment on this student's initiative in approaching unfamiliar tasks. An example would be useful.

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Please comment on the student's suitability, including strengths and weaknesses, for this program.

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Why do you think this student would benefit from this research & mentorship experience?

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We would appreciate any additional information that may help us assess this applicant.

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Signature \_\_\_\_\_

Date \_\_\_\_\_

Personal information in connection with this form is collected under the authority of The York University Act, 1965 and will be used for administrative and statistical purposes. If you have any questions about the collection, use and disclosure of personal information by York University, please contact the Assistant Dean, Inclusivity and Diversity at [marisa.sterling@lassonde.yorku.ca](mailto:marisa.sterling@lassonde.yorku.ca).