

## **Global Engineering Program Instructor**

**Title:** Global Engineering Program Instructor

**Date of Commitment:** Early July, 2020 – August 14, 2020

**Department:** Engineering Outreach Office, Faculty of Applied Science & Engineering

**Number of Positions:** 5

**Hours per week:** up to 15

**Rate of Pay:** \$17/hour

**Deadline to Apply:** Friday June 26<sup>th</sup>, midnight.

The Engineering Outreach Office (EOO) manages and administers the core outreach programs offered by the Faculty of Applied Science & Engineering at the University of Toronto. We act as the central unit for outreach activities promoting Science, Technology, Engineering and Math (STEM) education to a wide audience. For more information about the Engineering Outreach Office, visit:

[www.outreach.engineering.utoronto.ca](http://www.outreach.engineering.utoronto.ca).

The Global Engineering Program is a 4-week online summer program for high school students in Grades 9-12. This program encourages students to use the engineering design cycle to explore creative and sustainable solutions to real world problems. Students in Grades 9 and 10 will deepen their understanding of global health and sustainability as they work towards developing their own solution to [The Toilet Challenge presented by the Bill and Melinda Gates Foundation](#). Grade 11 and 12 students will address a crisis facing millions across the globe: children's mental health. Participants will work in teams to develop a tool or intervention with the goal of improving mental health of North American children. Both of these programs will include intentional leadership development curriculum, touching on such topics as self-awareness, power and privilege and empathy.

### **What Does a Global Engineering Program Instructor Do?**

- Assist the Engineering Outreach Team Lead with content curation for workshops; prepare materials and handouts; monitor and track attendance and take minutes of live sessions
- Lead speaker series and workshops over Quercus (Bb Collaborate)
- Contribute to the Quercus site as needed
- Support participants during academic hours, and answer any relevant questions throughout the program

- Act as an ambassador of the Faculty of Applied Science & Engineering and the University of Toronto

**Qualifications:**

- Must be proficient in one or more of the following (please indicate how many you are proficient in in your application): HTML/CSS, SketchUp or UX/UI tools (e.g. Figma)
- Are comfortable with LMS systems (e.g. Quercus) and online video systems (e.g. BB collaborate)
- Have a strong interest or knowledge of the engineering design process, interdisciplinary research, mental health or The Toilet Challenge
- Have taken any one of these courses or equivalent (please indicate which courses you have taken in your application): APS111, APS112, APS113, ESC101, ESC102, MIE315, TEP448, MIE440

**We are looking for individuals who are:**

- Current upper year undergraduate students or graduate students in Engineering at the University of Toronto. Recent graduates are also welcome to apply
- Have an interest in STEM education (science, technology, engineering, and math)
- High degree of scientific or engineering literacy
- Ability to work independently and as part of the team
- Excellent oral and written communication skills
- Able to work flexible hours including some evenings and weekends
- Able to work with people from other cultures / backgrounds
- Highly developed computer skills (e.g. Microsoft Office)
- Well-developed problem solving and conflict resolution skills

**Additional Information:**

All instructors will be required to attend online training. Instructors are required to complete basic health and safety training, AODA training, and obtain a Police Clearance Letter prior to the program start date.

**Application Process:**

To apply for this position, follow this link: <https://forms.gle/JB82NrSneHSY4x1X9>

You may contact Claire Heymans, Outreach Coordinator, at [apply@engineeringoutreach.ca](mailto:apply@engineeringoutreach.ca) for any questions and concerns you may have. Please note that only successful candidates will be contacted.