



UNIVERSITY OF TORONTO
FACULTY OF APPLIED SCIENCE & ENGINEERING

Fall Employment Opportunity

Title: Online Junior Programs Instructor

Date of Employment: September 2020 – December 2020

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

Rate of Pay: \$16.30 per hour

Deadline to Apply: September 30th, 2020

Number of Positions: 8

Hours of Work/Week: September 2020 – December 2020 – 12-15 hours a week

The Engineering Student Outreach Office (ESOO) is currently seeking instructors who will deliver various online outreach activities for youth between October 2020 and December 2020. The Engineering Student Outreach Office manages and administers the core outreach programs offered by the Faculty. We act as the central unit for outreach activities promoting Science, Technology, Engineering, and Math (STEM) education to a wide audience. Instructors will have the opportunity to share their knowledge and inspire the minds of young Canadians through STEM education beyond the scope of a traditional classroom environment.

Instructors will be responsible for supporting the development and delivery of online Junior Programming, that consists of virtually guided hands-on workshops and coding programs. Instructors may also be invited to instruct for a range of events and activities during the academic year, should they occur virtually or safely on campus.

Duties and Responsibilities

- Instructors will be responsible for creating, delivering and teaching various virtual innovative STEM workshops and activities that are primarily focused on teaching youth coding skills.
- Instructors will be teaching online workshops via Google Classroom to small classes of students grades 3-8.
- Instructors will be responsible for adequately learning material and becoming experts in the created/provided hands-on/coding activities.
- Instructors will be expected to ensure that their programs are delivered in engaging and accessible ways to students with an interest and aptitude in STEM.

- Instructors will take some responsibility in creating, delivering and teaching various innovative STEM virtual workshops and activities.
- Instructors will be expected to have a thorough understanding of all the activities that will be offered and will be required to take on instructional responsibilities in dynamic situations.
- Instructors will take a pivotal role in the classrooms where they will create an inclusive safe learning space for students with different learning needs.
- Instructors will be required to have a general sense of awareness and understanding for the students in their class.
- Instructor role will be highly fluid and the ESOO seeks candidates that will thrive in dynamic working environments.
- Instructors are expected to be available during the training period for this position.

Education and Experience

Education: Students of the University of Toronto preferred. Students from other institutions are welcome to apply. Preference will be given to students in undergraduate and graduate engineering, science, and education programs. Applications from students in other disciplines are also encouraged to apply. If you have experience in coding and programming, please indicate this in your cover letter along with what languages you are familiar with.

Experience: Applicants should demonstrate experience working with youth, especially within a camp setting or other youth learning and development programs. If you have experience working with a specific grade level or age group, please indicate this on your application. If you have a specialty in a particular area of science or engineering, please highlight this in your cover letter (for example, the ability to teach coding, knowing how to solder, experience in a wet lab, etc.).

The Online Junior Programs Instructor works to teach and facilitate various online innovative STEM workshops and activities with a focus on coding. They deliver engaging and accessible programming to students with an interest and aptitude in STEM. They play a vital role in community building and behaviour management in virtual environments as they work to deliver curriculum and mentor students in the community.

Applicants Submit:

1. Cover letter
2. Resume
3. Timetable (if applicable)

Qualified applicants should submit their cover letter with resume to the attention of Justin Carter, Outreach Programs Coordinator, Engineering Outreach Office. Submissions can be emailed to justin.carter@ecf.utoronto.ca

Learn More:

For more information, visit www.outreach.engineering.utoronto.ca.