

Engineering Outreach Senior Program Instructor

Period of Employment: May 2025 - September 2025

Hours of Work: Up to 35 hours per week

Rate of Pay: \$20.00/hour

Reporting to: Engineering Outreach Program Coordinator

Ontario Tech University Engineering Outreach is looking for Program Instructors to support the planning and delivery of STEM (science, technology, engineering and math) programming for students and teachers in Kindergarten to Grade 12. Ontario Tech University Engineering Outreach provides free and low-cost programming across Durham, York, Northumberland and Toronto through in-school and community workshops and summer programming on site and at satellite locations.

Program Instructors will be responsible for creating and delivering STEM content in various settings. Program Instructors will work with a team of colleagues to design content to align with the goals of Engineering Outreach, as well as the evolving Ontario Math and Science curriculum. Program Instructors will then deliver the content in an engaging manner, ensuring that students have a meaningful experience.

Program Instructors will deliver STEM content **in-person**, and lead the classroom in terms of student engagement and behavior management. This position follows an in-person work schedule, with specific requirements based on the programs the candidate supports.

Senior program instructors are **returning** members of the Engineering Outreach team. This position will involve leadership and guidance of new team members in learning their roles on the Outreach team.

Ontario Tech University Engineering Outreach is committed to creating an inclusive and diverse working environment. All qualified applicants will receive consideration for employment without regard to race, colour, religion, gender, gender identity or expression, sexual orientation, national origin, genetics, disability, or age. All candidates are encouraged to apply.

Duties and Responsibilities

- Program Instructors will organize and deliver engaging and accessible engineering and STEM-based workshops, camps, and events to youth in Kindergarten to Grade 12 on the Ontario Tech campus and at community sites, and elementary and high schools through our Mobile Design Lab programs. This programming primarily takes place **in person**, with some virtual programming.
- Prepare content such as videos, lesson plans and at-home activities that can be accessed through our websites and social media channels.
- Prepare content such as activities, and lesson plans to be used in summer camps and other community programming.
- Program Instructors will develop innovative STEM-based curriculum through testing, experimentation, and evaluation of current educational technologies

- Cultivate the Engineering Outreach online social media presence through Facebook, Twitter, Youtube, and Instagram.
- Contribute to the preparation of surveys, program analysis, and summary reports with recommendations to future programming
- Mentor and support more junior members of the team based on their experience with developing and delivering STEM content in the Engineering Outreach style.
- Program Instructors will be responsible for communicating with the Engineering Outreach Coordinators consistently and effectively throughout the duration of their contracts.
- Program Instructors will be expected to represent and promote the Ontario Tech University Faculty of Engineering and Applied Science and Engineering Outreach positively through their behaviours and actions.
- Program Instructors will be expected to deliver face-to-face STEM programs on-campus (SIRC Building, Ontario Tech Campus) and community locations within the Durham Region.

Qualifications

- Current or recent undergraduate student. Preference will be given to students in undergraduate engineering, computer science, science and math-based programs. Applicants in other areas of study are still encouraged to apply!
- Preference is given to applicants from Ontario Tech University, but students from other universities are encouraged to apply.
- Previous work experience with the Engineering Outreach team **is required for this position**
 - If you have not worked with outreach before, see our Spring/Summer Program Instructor posting.
- Experience working with youth.
- Great communication skills and ability to work in both a team and independently.
- Previous teaching and curriculum development experience is an asset.
- Comfortable using social media platforms, including Facebook, Twitter, Youtube, and LinkedIn.
- Having a full G/Class 5 (or equivalent) driver's license and willing to drive a vehicle in city, highway, and rural environments is an asset (Must be willing to obtain and share a Driver's Abstract, demonstrating a complete absence of demerit points)

Successful Candidates will be asked to provide:

- A valid vulnerable sector police record check - MUST BE OBTAINED BEFORE FIRST DAY OF EMPLOYMENT
- Standard First Aid and CPR-C Certificate

To apply, applicants must submit a completed application form

(<https://forms.gle/doLgRvNZuzxxBRrq5>). The application will require the following attachments:

- Resume

- One (1) page limit - please include all relevant experience
- University Works Approval Letter (if applicable)

Applications are due by **March 21 at 11:59 PM.**

Note: Applications are reviewed on a rolling basis, and interviews are scheduled as applications are received. Therefore, it is highly recommended to submit your application as early as possible to increase your chances of being considered for an interview.

If you have any questions, please reach out to Engineering Outreach at engineeringoutreach@ontariotechu.ca.