

# Summer Youth Programs

## July and August

Our mission is to inspire youth to unlock the future of innovation in STEM (Science, Technology, Engineering, and Math). Hands-on activities and immersive learning in engineering, robotics, coding, gaming, and more, provide youth with the building blocks needed for a future in STEM!



- ✓ Programs engage participants with their peers and connect youth with similar interests.
- ✓ Hands-on learning inspires the next generation of STEM professionals.
- ✓ Participants use STEM-based technology and equipment to develop skills relevant to today's globally connected world.
- ✓ Programs engage youth in STEM concepts connected to undergraduate curriculums, including engineering design, scientific inquiry, and coding fundamentals.
- ✓ Ontario Tech undergraduate STEM students and mentors provide leadership to further professional and personal development.

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## Coding & Gaming programs

Take your coding and programming skills with you into the future! Explore Python coding language, game development, user interfaces, robotic designs, AI, and more. Gain valuable hands-on experience in Ontario Tech's Gaming & Virtual Reality Laboratory\* or become a Cyber Girl\*!

## Engineering & Math programs

Discovery-based activities, design challenges and simulations promote an understanding of how engineering and math are useful in our everyday lives. Utilize the Engineering Design Process\* to boost problem-solving and explore real-life applications of engineering.

## Robotics & Technology programs *Fills quickly!*

Utilize the Engineering Design Process\* to build and program robots using VEX EDR Robotics! Participants work in teams to design their robot, which will include motors, sensors, and custom hardware components controlled with code. Robots face off in a series of exciting battles.

## Leadership

Youth gain the skills required to become a "junior camp counsellor" during Ontario Tech's Counsellor in Training (CIT) program. Volunteer hours can be applied to the 40-hour community involvement requirement to receive an Ontario Secondary School Diploma.

## Youth Safety Courses (NEW)

Participants learn safety awareness, first aid skills, how to provide care to younger children, and how to prevent and respond to emergencies in the Stay Safe!, Babysitting, and First-Aid courses, offered in partnership with Durham First Aid.

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**Youth programs serve as the perfect launchpad for students aspiring to make their mark in STEM.**



*\*select camps*

**In-person programs at**  
Ontario Tech University  
2000 Simcoe Street North, Oshawa  
9 a.m. to 4 p.m.  
Extended supervision (\$)

**Virtual programs**  
Weekdays for 2 hours

**For more information**  
[ontariotechu.ca/camps](https://ontariotechu.ca/camps)  
[summercamps@ontariotechu.ca](mailto:summercamps@ontariotechu.ca)

