



# Join us for Summer Camps July and August

Our mission is to inspire kids to see STEM (Science, Technology, Engineering and Math) everywhere in the world around them. Hands-on activities and curriculum-based learning in robotics, coding, gaming, and much more, provide an experience that is both educational and fun!



- In-person camps include indoor and outdoor play
- Camp sessions incorporate hands-on and curriculum-based learning
- Camps encourage shared interests in science, technology, and the environment
- Women mentors engage with campers in our "All girls" camps
- Campers make use of STEM-based technology and equipment to develop valuable skillsets relevant in today's globally connected world
- Counsellors are university staff, industry experts, Faculty of Education students, graduates, or members of the Ontario College of Teachers



## Coding & Gaming *Fills quickly!*

Campers learn and expand coding and programming skills while exploring robotics, user interfaces, virtual reality (VR) systems and more. Gain valuable hands-on experience in Ontario Tech's Gaming & Virtual Reality Laboratory — or become a Cyber Girl!



## Engineering & Math *NEW camps*

Engage in the exciting mindset of an Engineer! Discovery-based activities, design challenges and simulations promote an understanding of how engineering and math are useful in our everyday lives. Projects focus on building a better society!



## Science *NEW camp*

Become a scientist! These inquiry-based programs are designed for the curious camper. Test your knowledge and explore kinesiology, nature, technology and science together!



## STEAM *NEW camp*

Campers discover the intersection of Science, Technology, Engineering, Art and Math (STEAM) through hands-on challenges, explorations, experiments, and outdoor adventures! Explore and experiment together!



## LEGO® Robotics *Fills quickly!*

Campers build self-confidence, strengthen problem-solving skills and deepen technological savvy. Bring your imagination and creativity, we will give you the knowledge and technology to explore, design, and innovate!



## Robotics & Tech *Fills quickly!*

Campers venture through the world of high-tech resources and tools to deepen their skillsets, learn alongside women mentors to spark interest in STEAM—or dive into robotics through the ultimate robotics design competition!



### **Turtle Island\*** *Featured camp!*

In this STEAM-based camp, campers uncover and explore the relationship between STEAM, Indigenous peoples, and the land. Campers make connections between STEAM and Indigenous Knowledge, to better understand their responsibility as stewards of the environment.

*\*Funding may be available for Indigenous scholarship applicants.  
Contact [summercamps@ontariotechu.ca](mailto:summercamps@ontariotechu.ca) for details.*



### **In-person camps** offered at **Ontario Tech University**

2000 Simcoe Street North, Oshawa

9 a.m. to 4 p.m.

Extended care available (\$) 

### **Virtual camps** connect using Google Meet®

Weekdays for two hours

### **For more information**

[ontariotechu.ca/summercamps](http://ontariotechu.ca/summercamps)

[summercamps@ontariotechu.ca](mailto:summercamps@ontariotechu.ca)



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# Join us for 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 robotics, coding, gaming, AI, and much 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
- Women mentors inspire the next generation of STEM professionals in our "All girls" programs
- 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

## Coding & Gaming

- 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 state-of-the-art Gaming & Virtual Reality Laboratory\* or become a Cyber Girl\*!
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## Engineering & Math *NEW 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. Explore the world of 3D design, Arduino or teach computers to think and learn!

## Robotics & Technology *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 hardware components controlled with code. Robots complete challenges and battle!

## STEAM *NEW program*

Equipped with the elements of the Engineering Design Process and Science, Technology, Engineering, Art, and Math (STEAM), participants design and create their own solutions to solve survival challenges!

## Counsellor in Training (CIT)

Qualifying CIT youth gain the skills required to become a "junior camp counsellor" during Ontario Tech's 2024 Summer Camps program. Volunteer hours can be applied to the 40-hour community involvement requirement to receive an Ontario Secondary School Diploma.

*Funding is available for Indigenous scholarship applicants. Contact [summercamps@ontariotechu.ca](mailto:summercamps@ontariotechu.ca) for details.*

*\*select camps*



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Weekdays for 2 hours  
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