



Xtreme Talent Accelerator Program (XTAP)

Cybersecurity Bootcamp

OVERVIEW



12 Weeks



40+ Hours/Week



Cybersecurity
Certificate

Cybersecurity is the fastest growing sector in technology. The industry's rapid growth and ongoing expansion have created considerable skills and job gaps — and virtually no unemployment in specialized fields for nearly a decade. To help fill those gaps, this bootcamp prepares learners with little or no IT background for cybersecurity careers. In just 12 weeks, the full-time, intensive and virtual program gives you the practical skills you need to land your first role in a position such as Cybersecurity Specialist or Technician, Security Operations Centre Analyst or Cybersecurity Incident Analyst or Responder.

WHO IS THIS FOR?

You may be a recent graduate or someone looking for a career pivot. Whether you are non-technical or already have some security or digital experience, this bootcamp could be for you. Successful applicants thrive on problem-solving, collaboration and attention to detail. Are you willing to work hard to pursue a dynamic and rewarding career in cybersecurity? If so, you've come to the right place.

ELIGIBILITY

We invite you to apply if:

- You're unemployed, or
- You're working, but your job is unstable, inconsistent, uncertain or requires fewer than 20 hours per week, or
- Your family is living with [low household income](#), and
- You have the time (40+ hours/week) to dedicate to participating in the program
- You'd like to build the skills needed to secure a longer-term career, and
- You're a resident of Ontario, and
- You're 18 years or older, and
- You're a Canadian Citizen, Permanent Resident or Protected Person

This program requires 8–12 hours per day, from Monday to Friday, dedicated to live virtual lectures and self-paced work. In addition, after you have been selected to participate, up to 40 hours of preparation work will be required prior to your start date.

Technical background is a strong asset, but *not* a requirement.

WHAT YOU WILL LEARN

Designed and delivered by Lighthouse Labs, the Cybersecurity Bootcamp takes a hybrid virtual approach, mixing live online classrooms and self-guided learning. An industry-aligned curriculum (known as the NICE Framework), combined with tech mentorship, a top-notch learning environment and career services (offered by XTAP) will equip you with the tools you need to get started in a cybersecurity field.

The Cybersecurity Bootcamp

This will prepare you to:

- Design, configure and troubleshoot networks.
- Understand how threat actors operate, along with their objectives and tradecrafts.
- Assist organizations with their cybersecurity defence strategy to ensure business continuity.
- Analyze, dissect and respond to cybersecurity incidents to protect organizational assets.
- Learn and analyze various security attack vectors and their mitigations to strengthen an organization's cybersecurity posture.
- Use digital forensic processes for analyzing threats in digital devices.
- Apply malware analysis techniques, such as reverse engineering, binary analysis and evasion detection, to dissect malware and understand its malicious objectives.
- Apply offensive methodologies to your security operation role by learning the attack life cycle in cyber warfare.
- Detect and respond to insider and outsider security threats by learning the incident response life cycle.
- Perform trend analyses.
- Assess security designs and uncover flaws.
- Apply threat intelligence collection processes to improve detections and proactively prevent threats.

EMPLOYMENT PREPARATION, ON-THE-JOB SKILLS, AND ETHICS AND EMPLOYEE ADVOCACY

These additional career services provided by XTAP cover:

- | | |
|--|---|
| <input checked="" type="checkbox"/> Personality Assessments | <input checked="" type="checkbox"/> Designing Your Professional Digital Presence |
| <input checked="" type="checkbox"/> The Anatomy of a Strong Resume | <input checked="" type="checkbox"/> Time Management |
| <input checked="" type="checkbox"/> Virtual Interviewing Skills for Job Seekers | <input checked="" type="checkbox"/> Mental Health on the Job |
| <input checked="" type="checkbox"/> Job Search Strategies | <input checked="" type="checkbox"/> Diversity, Equity, and Inclusion — Call It Out: Racism, Racial Discrimination, and Human Rights |
| <input checked="" type="checkbox"/> Tech, EQ and You: Exploring and Understanding Emotional Intelligence in Tech | <input checked="" type="checkbox"/> Employee Rights in the Workplace |
| <input checked="" type="checkbox"/> Effective Communication in the Workplace | |

CAREER OUTLOOK

You will be prepared with the required qualifications for an entry-level role such as:

- Cybersecurity Specialist/Technician
- Cybersecurity Incident Analyst/Responder
- Cybersecurity Analyst

YOUR LEARNING PATH

Week 1	<ul style="list-style-type: none">• Introduction to the Bootcamp• Windows Overview• Linux Overview• Network Admin
Week 2	<ul style="list-style-type: none">• Network Administration
Week 3	<ul style="list-style-type: none">• Introduction to Cybersecurity• Network and Application Security
Week 4	<ul style="list-style-type: none">• Network and Application Security• Incident Handling
Week 5	<ul style="list-style-type: none">• Incident Handling (cont'd)
Week 6	<ul style="list-style-type: none">• Forensics
Week 7	<ul style="list-style-type: none">• Forensics (cont'd)• Malware Analysis
Week 8	<ul style="list-style-type: none">• Ethical Hacking and Incident Response
Week 9	<ul style="list-style-type: none">• Ethical Hacking and Incident Response (cont'd)• Secure Design Principles• Risk Management

YOUR LEARNING PATH (CONTINUED)

Week 10	<ul style="list-style-type: none">• Threat Intelligence
Week 11	<ul style="list-style-type: none">• Review and Exercises Week
Week 12	<ul style="list-style-type: none">• Final Scenarios and Exam

DATES AND APPLICATION DEADLINES



September 13 — December 3, 2021
Application deadline: July 23, 2021

New Bootcamp Date TBD
Application deadline: TBD





Ready to advance your career?

An application takes only 5–10 minutes to complete. Plus, you will be able to save it and return to finish later.

[Apply Now](#)



investottawa.ca/xtreme-talent-accelerator



The Xtreme Talent Accelerator is made possible through the [SkillsAdvance Ontario \(SAO\) pilot project](#), with funding provided by the Government of Ontario, Ministry of Labour, Training and Skills Development.