

# **Cybersecurity Intelligence Agency**

"Protecting the Future"

# 2023/24 Cyber Agent Program

(Cyber Defense Competition)



"This program was a fun and efficient way to learn how to secure my computer. It dove much deeper into the different functions of my operating system and it taught me how much I did not know."

Xavier

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# The importance

- Last year, the estimated global cost of cybercrime was \$6 Trillion USD. Cybersecurity Ventures expect cybercrime to grow to \$10.5 Trillion USD by 2025.
- The World Economic Forum stated "there is an undersupply of cyber professionals". Last year, a gap of more than 2.7 million worldwide.

# About this program

- CyberTitan is one of Canada's largest cyber defense competition and is affiliated with the US Air Force Association's CyberPatriot Program.
- Students compete with around 5,000 teams in a global competition for awards, prizes and scholarships.
- Certified information security professionals prepare middle and high school students with critical skills for a digital-based economy such as, problem-solving, creativity, communication, leadership and teamwork.
- Students identify and fix cybersecurity vulnerabilities in virtual systems and networks while keeping critical services running. Teams are scored on how secure they make the systems and networks.
- It is designed for any student regardless of prior cybersecurity knowledge.





"This program was fun and a valuable way to advance my knowledge of computers and learn the security required to stay safe online."

Arya

2023/24 - 4 months (Jul to Oct, 48 hours)

- Jul to Aug Training (24 hours)
- Sep to Oct Practice simulations (24 hours)
- Oct Competition rounds begin



- Delivery Methods:
- On-line (Microsoft Teams)
- In person (at a school, recreational centre or legion facility)

#### Locations:



- Peel Region
- Greater Toronto Area

Investment:



• Team Registration (2-6 students):

- Cadet programs / Ladies only (free)
   Middle school (\$165 USD) or high school (\$205 USD)
- Individual:
- \$80 CAD per student for professional led training, enhanced training materials (lab exercises and quizzes) and custom practice images



"This training was a place to gain valuable knowledge when securing a device. The fundamentals tested my ability to solve problems and to protect my personal information from the bad actors!"

Mercedes



### Curriculum

- 1. Introduction to CyberPatriot and Cybersecurity
- 2. Introduction to Online Safety
- 3. Cyber Ethics
- 4. Principles of Cybersecurity
- 5. Computer Basics and Virtualization
- 6. Microsoft Windows Basic
- 7. Microsoft Windows Security Tools
- 8. Microsoft Windows Security Configuration
- 9. Introduction to Linux and Ubuntu
- 10. Ubuntu Security
- 11. Cisco Packet Tracer (network security)

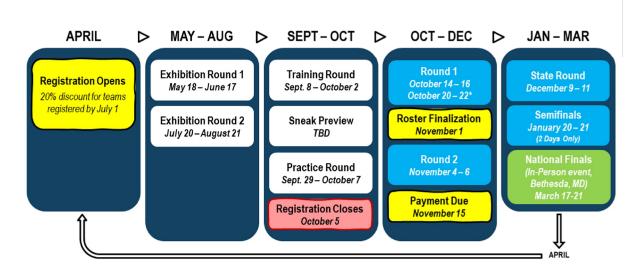
# Save 20% on Registration Fees When You Register Your Team **Before July 1**

"This training was a fun and safe place to learn how to secure computers from a hacker. We used this new knowledge to successfully complete the demo simulation."

Calvin



# **Competition Schedule (2022/2023)**



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#PayingItForward #CyberTitan #CyberResilience

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