Master of Cybersecurity & Threat Intelligence: MCTI

With cyber attacks on the rise, the industry demand for professionals in cybersecurity has never been higher. The Master of Cybersecurity and Threat Intelligence program offered by the School of Computer Science is a unique, cutting-edge program that trains graduates to become leaders in cybersecurity, cyber threat intelligence and digital forensics.

uoguelph.ca/computing/mastercybersecurity

Program

The Master of Cybersecurity and Threat Intelligence (MCTI) is a course-based program that offers both part-time and full-time options.

The MCTI program can be completed full-time in one year (3 semesters, or 12 months) or part-time (between 24 and 36 months), and is designed to accommodate busy working professionals who wish to continue working while completing their degree.

The MCTI requires completion of 4.00 graduate credits, including a Professional Seminar in Cybersecurity. Full-time students may choose to complete a culminating independent project wherein they produce an evidence-based solution to a complex cybersecurity problem in partnership with an industry or academic expert.

Subject Areas

- malware and forensic analysis
- cyber physical systems security
- cryptography and blockchains
- privacy
- usable security
- mobile security

Partners

The MCTI program is made possible through in-kind contributions from industry partners, Trellix, Cisco Systems, Blackberry, IBM, Microsoft, BMO, EY, Magnet Forensics, ISA Cybersecurity, the Co-operators, Georgian, eSentire,

Longview Systems, RCMP, Toronto Police, Arctic Wolf, Government of Canada, PwC, Stratjem, Canadian Tire, Canadian Cyber Threat Exchange, Madiant, Wealth Simple, Bruce Power, The Canadian Centre for Cyber Security, and Intact Insurance.

These funds have supported the creation of a new cybersecurity teaching lab and the University of Guelph Security Operations Centre, which enable rich experiential learning activities that set this program apart from similar programs in Canada.

Admission Requirements

- Applicants require a four-year honours degree in computer science or computer engineering, or another discipline with a minor in computer science or computer engineering.
- A minimum average of 75% during the last four semesters of full-time study.
- Relevant experience or background knowledge of data communication and networking, and computer programming
- Applicants with proven skills and working experience in cybersecurity may be considered.
- An English proficiency test is required for applicants whose first language is not English.

ARE YOU INTERESTED IN:

- security architecture
- digital forensics
- threat intelligence
- attacks and defenses
- privacy
- cryptography

CAREER OPPORTUNITIES:

- security architect
- security engineers
- security analyst
- penetration tester
- forensic analyst

Application Deadlines:

Fall 2024 Entry: February 1, 2024
Applications open September 1, 2023
Winter 2025 Entry: May 1, 2024
Applications open January 1, 2024

CONTACT INFORMATION

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