

CYBERSECURITY (CSEC)

Ontario College Graduate Certificate | 2 semesters | Barrydowne

In this two-semester graduate certificate program, students will learn how to protect computers, applications and networks from unauthorized and malicious users or software. The program will cover key cybersecurity concepts of infrastructure configuration, information system security, risk management and policy, and ethics and law that are integral parts of cybersecurity.

Program Highlights

- 1 year – 2 semesters
- Multiple intakes per year

Part-time Pathway

Students may choose a pathway to complete this program while studying part-time. For more information on the part-time pathway see the Program Delivery tab.

Quick Links

How to Apply (<http://cambriancollege.ca/apply/>)

Business and Information Technology (<http://cambriancollege.ca/field-of-study/business-and-information-technology/>)

Admission Requirements

Applicants must be graduates of a diploma, advanced diploma, or degree program from an Ontario College or equivalent.

OR

Applicant must possess five years of work experience in a related field (or combination of education and work experience) as judged by the College to be equivalent. Applicants must submit a resume detailing their related experience and a cover letter outlining their competencies and preparedness for the program.

APPLY NOW! (<https://www.ontariocolleges.ca/en/apply-now/>)

Program Delivery

2022-2023

This program will be delivered in the following terms:

Fall Semester

1. SEMESTER 1 Fall 2022
2. SEMESTER 2 Winter 2023

Winter Semester

1. SEMESTER 1 Winter 2023
2. SEMESTER 2 Spring 2023

Spring Semester

1. SEMESTER 1 Spring 2023
2. SEMESTER 2 Fall 2023

Part-Time Delivery

Applicants wishing to study part-time will apply to CSPT at OCAS. Timelines for completion will extend beyond those indicated above.

For specific term start/end dates and other key dates/deadlines, please see the Academic Schedule (<http://cambriancollege.ca/apply/how-to-apply/academic-schedule/>) on our website.

Program of Study for 2021-22 Academic Year

Semester 1		Credits
CSC 1000	Cybersecurity Foundation and Fundamentals	4
CSC 1002	Ethical Hacking and Pen Testing	4
CSC 1003	Communication for Cybersecurity Professionals	3
CSC 1005	Hardening Modern Operating Systems and Applications	4
CSC 1007	Business Contingency Planning	4
CSC 1008	Cybersecurity Infrastructure Configuration	3
Credits		22
Semester 2		Credits
CSC 1001	Cybersecurity Prevention and Countermeasures	3
CSC 1004	Cloud Security Fundamentals	3
CSC 1006	Security Issues and Trends	3
CSC 1009	Advanced Scripting	4
CSC 1010	IT Security Forensics	4
CSC 1011	Mobile Wireless Security	3
Credits		20
Total Credits		42

Note:

Part-time students will be provided with a pathway to complete this program on a part-time basis.

Fees

Tuition and Ancillary Fees

Please see our fees page (<http://cambriancollege.ca/fees/>) for the breakdown of tuition and mandatory ancillary fees by program and semester for both domestic and international students.

Books & Supplies

The cost of books and supplies is under review. This is the best information available at the time of publishing to the website and is subject to change.

Graduate Options

Employment Opportunities

Graduates of this one-year graduate certificate program will be positioned to pursue positions in a wide range of public and private organizations in roles such as:

- information systems security analysts
- advisors
- consultants
- specialists

- educators
- network technicians
- network administrators

College/University Degree Opportunities

Graduates from this program may continue their studies at college/ university and may receive credit for their prior College education.

Refer to College/University Agreements (<http://www.cambriancollege.ca/agreements/>) for further information.

Contacts

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INTERNATIONAL ADMISSION

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