

**CYBER SECURITY - PROGRAM PLAN**  
**2 YEAR - ONTARIO COLLEGE GRADUATE CERTIFICATE**  
**SEPT 2023 INTAKE (FALL)**

All courses have a minimum passing grade of 50%. A minimum of 60% GPA is required for graduation.

**FALL 2023 SEMESTER 1 (SEPTEMBER - DECEMBER) - 6 COURSES**

**TOTAL HOURS: 252**

<p align="center"><b>COMM 1076</b> Business Communications in Canada</p> <p align="center">CREDIT VALUE: 3</p>	<p align="center"><b>CYSE 1000</b> Introduction to Networking and Data Communication</p> <p align="center">CREDIT VALUE: 3</p>	<p align="center"><b>CYSE 1001</b> Information Security Fundamentals</p> <p align="center">CREDIT VALUE: 3</p>	<p align="center"><b>CYSE 1002</b> Introduction to Computer Programming</p> <p align="center">CREDIT VALUE: 3</p>	<p align="center"><b>CYSE 1003</b> Computer Network Design and Implementation</p> <p align="center">CREDIT VALUE: 3</p>	<p align="center"><b>CYSE 1004</b> Cyber-Security Principles and Best Practices in Canada</p> <p align="center">CREDIT VALUE: 3</p>
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**WINTER 2024 SEMESTER 2 (JANUARY - APRIL) - 6 COURSES**

**TOTAL HOURS: 266**

<p align="center"><b>CYSE 1005</b> Implementing Security Policies in Operating Systems</p> <p align="center">CREDIT VALUE: 4</p>	<p align="center"><b>CYSE 1006</b> Cryptography and Data Encryption</p> <p align="center">CREDIT VALUE: 3</p>	<p align="center"><b>CYSE 1007</b> Cloud Security</p> <p align="center">CREDIT VALUE: 4</p>	<p align="center"><b>CYSE 1008</b> eCommerce and Web Security</p> <p align="center">CREDIT VALUE: 4</p>	<p align="center"><b>CYSE 1009</b> Wireless Communication and Mobile Security</p> <p align="center">CREDIT VALUE: 3</p>	<p align="center"><b>WKPL 1040</b> Co-op &amp; Career Search Prep 1</p> <p align="center">CREDIT VALUE: 1</p>
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**SPRING 2024 - ACADEMIC BREAK (MAY - AUGUST)**

**FALL 2024 SEMESTER 3 (SEPTEMBER - DECEMBER) - 6 COURSES**

**TOTAL HOURS: 266**

<p align="center"><b>CYSE 2000</b> Ethical Hacking and Penetration Testing</p> <p align="center">CREDIT VALUE: 4</p>	<p align="center"><b>CYSE 2001</b> Secure Network Infrastructure and Routing and Switching</p> <p align="center">CREDIT VALUE: 4</p>	<p align="center"><b>CYSE 2002</b> Cyber Crime Law, Forensics and Investigation</p> <p align="center">CREDIT VALUE: 4</p>	<p align="center"><b>CYSE 2003</b> AI for Smarter Cyber-Security</p> <p align="center">CREDIT VALUE: 3</p>	<p align="center"><b>CYSE 2004</b> Cyber-Security Incident Response</p> <p align="center">CREDIT VALUE: 3</p>	<p align="center"><b>WKPL 2083</b> Co-op &amp; Career Search Prep 2</p> <p align="center">CREDIT VALUE: 1</p>
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To be eligible for CO-OP or AIP, you must have passed all your courses and have a weighted GPA of 60% or higher.

**WINTER 2025 SEMESTER 4 (JANUARY - APRIL) - 1 COURSE**

**TOTAL HOURS: 420**

CO-OP PLACEMENT	OR	APPLIED INDUSTRY PROJECT
<p><b>CYSE 2005</b> Cyber-Security Co-Op</p>		<p><b>CYSE 2006</b> Cyber Security Applied Industry Project</p>
<p>Co-op is a work integrated experience built into post-secondary programs to allow you to get hands on experience in your field of study while applying your academic studies. The integration of formal learning practices with developmental learning opportunities helps to enhance and consolidate the knowledge, skills, abilities and attitudes of emerging professionals. This is also an opportunity to interact and demonstrate your skills to potential employers.</p>		<p>This option is only available under extenuating circumstances and students will need the approval of the Academic Vice-President.</p> <p>The integration of formal learning practices with developmental learning opportunities helps to enhance and consolidate the knowledge, skills, abilities and attitudes of emerging professionals. The industry project will be performed on the College campus under the guidance of the College faculty.</p>