Toronto Metropolitan University

ROGERS cybersecure catalyst

Join a world-class cybersecurity training & dual-certification program

Program Package

CLIC (Certifications for Leadership in Cybersecurity) is an intensive cybersecurity training and certification program designed to give you the skills you need to launch a career in cybersecurity or elevate your career with cybersecurity skills.

The most rigorous cybersecurity training program in Canada, CLIC offers students the opportunity to earn two globally-recognized SANS GIAC certifications, hone your skills in the Catalyst Cyber Range, gain career mentorship from leading cyber experts, and connect with major employers in the sector.

The program is open to anyone with an interest in cybersecurity and looking for a rewarding and challenging career.

CLIC is delivered through a strategic partnership between Rogers Cybersecure Catalyst and SANS Institute — a world leader in cybersecurity training and certification.

SANS GIAC certifications are the highest and most rigorous assurance of cybersecurity knowledge and skills; graduates with these qualifications are in high demand.

Upcoming program start dates:
- May 2024

Certifications you will earn:
- GIAC Foundational Cybersecurity Technologies (GFACT)
- GIAC Security Essentials Certification (GSEC)

Tuition

$16,500 CAD + HST
Same fee applies to all applicants (Canadian and non-Canadian residents)

82%
of organizations prefer hiring candidates with SANS GIAC certifications

94%
of cybersecurity practitioners believe SANS GIAC certifications have better prepared them for their current role

3.5M
unfilled cybersecurity jobs globally

Curriculum

Course: SEC275 - Security Foundations Certification: GIAC Foundational Cybersecurity Technologies (GFACT)

In SEC275, you will learn practical skills related to computers, technology, and security foundations that are crucial to starting a cybersecurity career. It offers a comprehensive array of innovative, hands-on labs, practical exercises, and classroom exercises that go well beyond what would normally be offered in a cybersecurity foundational course. The labs were created by cybersecurity experts using the latest technology, techniques, and concepts. By the end of the course, you will have acquired sufficient theoretical understanding and applied practical skills to speak the same language as industry professionals.

You will develop fundamental skills and knowledge in key IT subject areas, such as:

- Computer Components & Concepts
- Operating Systems, Containers, &
- Virtualization
- Linux
- Networking Fundamentals
- The Web: Search Engine & Servers
- Practical Programming – Python and C
- Windows Foundations
- Advanced Computer Hardware (e.g., CPU & Memory)
- Encryption
- Introduction to Basic Security Concepts
- Introduction to Forensics
- Introduction to Reconnaissance, Exploitation, and Privilege Escalation
- Introduction to Network & Computer
- Infiltration (e.g., Lateral Movement)

Course: SEC401 - Security Essentials - Network, Endpoint, and Cloud Certification: GIAC Security Essentials (GSEC)

Whether you are new to information security or a seasoned practitioner with a specialized focus, SEC401 will provide the essential information security skills and techniques you need to protect and secure your critical information and technology assets, whether on-premise or in the cloud. SEC401 will also show you how to directly apply the concepts learned into a winning defensive strategy, all in the terms of the modern adversary. SEC401 also has 18hrs+ hands-on training embedded in it to help you master the content and gain a deeper understanding of the concepts.

Some of the key focus areas of SEC401 are:

- Network Security and Cloud Essentials
- Vulnerability Management and Response
- Data Security Technologies
- Windows and Azure Security
- Linux, AWS and Mac Security
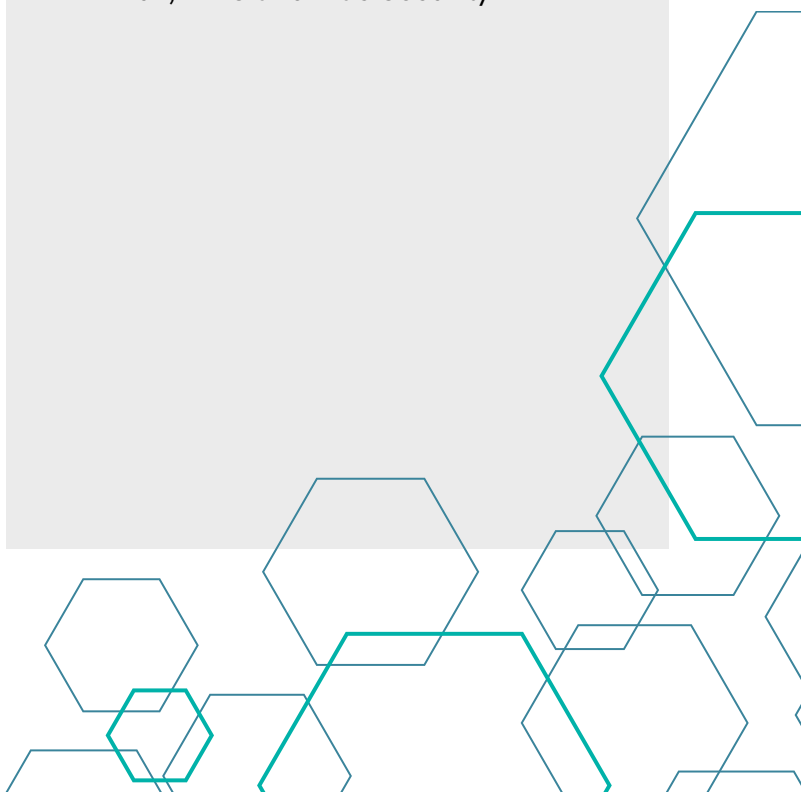
Curriculum

Course: Cybersecurity Professional Practice

The Cybersecurity Professional Practice Course provides you with a broadened understanding of the cybersecurity landscape and a recognition that cybersecurity issues go far beyond technology.

You will receive training in communication skills, career development and cybersecurity ethics. You will learn how cybersecurity impacts business operations, decision-making, strategic planning, and assessments of overall corporate risk and governance. You will also learn new ways of thinking and problem-solving in team-based environments.

Cyber Range Experiential Learning

You will get hands-on experience in the Catalyst Cyber Range. With an array of real world cyber attack scenarios, our Cyber Range offers an immersive and ultra-realistic experiential learning opportunity that will ensure you are well prepared.

Career Outcomes

CLIC will give you the skills you need to work in a number of cyber roles, including:

- Cybersecurity Consultant
- Cloud Security Consultant
- Incident Handler
- Information Security Analyst
- Governance, Risk and Compliance Analyst
- Network Security Analyst
- Project Manager
- Security Operations Center (SOC) Analyst
- Security Awareness & Education Specialist
- Technical Writer

Career Support

As a CLIC student, you will have access to our dedicated Career Support team who will work with you throughout the program with the following:

- Resume writing and critiquing
- Interview preparation and mock interviews
- One-on-one coaching

> "
> *I know when I hire a Catalyst grad, they are coming with world-class foundational knowledge. This makes mentorship and training easy. They have a very solid foundational knowledge of what is needed to secure our clients' organization and their technologies."*
>
> **Nik Alleyne**
> Director of Business Development - Sirius Solutions

> "
> *The Catalyst program is training the next generation of cyber security leaders: ones who complement diversity in thinking with cyber security fundamentals and a strong passion and dedication to defend against cyber threats."*
>
> **Sundeep Sandhu**
> Vice-President, Cyber Security, Rogers Communications

Optional Advanced Training

As a CLIC graduate, you may also choose to pursue further learning in cybersecurity by taking additional SANS courses and earning GIAC certifications at a discounted rate.

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Questions?

Visit our website
cybersecurecatalyst.ca/clic

Get in touch with us
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