CANADIAN COLLEGE OF TECHNOLOGY AND BUSINESS



Postgraduate Certificate in Security Operations Analyst with Co-op

Learn the in-demand technical skills surrounding Security Operations Center (SOC) processes, procedures, technologies, and workflows.

Key Facts

Campus
Vancouver

Qualification
Post-Secondary Certificate

Start Dates
Jan, May, Sep

Program Highlights

In this Postgraduate Certificate in Security Operations Analysis, you will develop the skills necessary to enhance your career as a cybersecurity professional.

A glimpse into what you will learn...

- Gain in-depth knowledge of security threats, attack vulnerabilities, threat actor behavior, the cyber kill chain, and many other SOC related concepts
- Identifying Indicators of Compromise (IoC)
- System log monitoring and analysis across various platforms (IDS/IPS, end-point protection, servers, and workstations)
- Centralized Log Management (CLM) applications and processes
- Implementation and administration of SIEM solutions (Splunk, AlienVault, OSSIM, ELK)
- Prepare comprehensive analytical security reports and briefings
- Incident detection and response processes
- Service Desk Ticketing System implementation and administrationa

Why study this program?

Become part of one of the most sought-after technology professions...

Cybersecurity professionals are highly sought-after candidates across all disciplines of information technology. From software application security to securing business critical infrastructure, security professionals are now an integral part of maintaining an organization's operational integrity.

Become a job-ready professional...

You will learn everything you need to become a job-ready Security Operations Analyst upon program completion. You will become proficient in all SOC processes, procedures, technologies, and workflows that will enable you enter the industry as a highly competent professional.

Take advantage of an in demand high-paying career...

Cybersecurity professionals are some of the highest paid professionals within the entire technology landscape and are consistently in short supply. Take advantage of the skills shortages within the industry by acquiring the modern development skills offered within this program.

Student Journey



This program consists of **43 weeks of scheduled program breaks.** Students can work FT during scheduled breaks. The CCTB Career Development Centre will assist students in securing a paid employment position related to their program field of study for students to work during the scheduled break periods. This will enable international students to accumulate the required technical work experience hours required to be eligible to apply for the BCPNP Tech program.

	Academic	CO-OP + Scheduled Breaks	Graduation
International	30 Weeks	73 Weeks	103 Weeks
Domestic	30 Weeks	36 Weeks	66 Weeks

*Scheduled breaks for domestic students may be optional.

Please see proposed schedule **here**.

Courses

1. Security Operations Centre and Asset Management
2. Cybersecurity Tools, Attacks and, Methodologies
3. Cybersecurity Logging, Events, and Incidents
4. Incident Detection with SIEM Solutions
5. Advanced Incident Detection using Threat Intelligence
6. Cybersecurity Incident Response Techniques
7. SIEM Capstone Project
8. Cybersecurity Employment Preparation

Co-op Experience

Gain the practical industry experience through our Career Development Centre's professional network, enabling you to become a sought-after industry candidate. Our CO-OP work experience placement represents 50% of the total program duration. Students will get the opportunity to apply their newly acquired skills within the industry through a guaranteed paid work experience placement opportunity.

Career Opportunities

- Computer Systems Manager
- Information Systems Manager
- Information Security Analyst
- IT Consultant
- Systems Security Planner
- Systems Auditor
- Systems Administrator
- Technical Analyst
- Data Processing and Systems Analysis Manager
- Systems Development Manager

Learning Outcomes

The program is designed for individuals keen to begin their career in Cybersecurity, this diploma will set you on the right path. Develop your IT skills to enter this dynamic and opportunity-filled sector.

"During this program students may get up to 1.4 years of work experience that meets the criteria to be eligible for BC PNP tech and Federal Skilled Worked."

- Subbalakhmi A. Pillai (RCIC)
Registered Canadian Immigration Consultant. Helios Immigration Services.

For more information about BC PNP tech or Federal Skilled Worker immigration streams, visit:

T & C's Apply

Admissions Requirements

- Good command of English language*.
- Post-secondary diploma in Information Technology or Computer Science from an approved government institution of applicant's home country, or applicant has a minimum of 2 years of work experience within a field of information technology.

For non-native speakers:

- Successful completion of CCTB EAP (English for Academic Purposes) Level 4 or
- Have the required IELTS 5.5 score or equivalent or
- Pass the CCTB English Assessment (Written onsite or online with exam proctor)

*For more information on English language requirements, please see our Language Proficiency Assessment Policy.

Apply now!

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