CANADIAN COLLEGE OF TECHNOLOGY AND BUSINESS

Diploma in Cybersecurity Risk Management with Co-op

This comprehensive 106-week Cybersecurity Diploma program will equip students with the in-depth expertise and hands-on practical experience to become a highly skilled Cybersecurity Professional within the Information Technology sector.

Key Facts

Campus
Vancouver

Qualification
Post-Secondary Diploma

Start Dates
Jan, May, Sep

Program Highlights

In this multi-disciplinary program, learners will acquire a broad range of IT Security competences enabling them to work across a wide variety of information technology fields.

A glimpse into what you will learn...

• Enterprise-level strategic security planning
• Security Operations Center (SOC) processes, procedures, technologies, and workflows
• Security, Information and Event Management (SIEM) solutions
• Governance, risk and compliance analysis and planning
• System, network, and application penetration testing
• Advanced monitoring, logging, and alert analysis across multiple technology platforms (IDS/IPS, end-point protection, enterprise servers, workstations, and cloud environments)
• Detecting, analyzing, and remediating various network, system, and organizational vulnerabilities
• Web Application Security Risk Analysis (OWASP Top 10)
• Critical Security Controls (CIS Top 20)

Why study this program?

**The everchanging technology landscape...**
With the ever-evolving information technology landscape and the consistent introduction of new cutting-edge information systems and network-integrated devices, digital security has become of paramount importance in the modern digitized world.

Growing global demand for security professionals...
All organizational types including, SMEs, NGOs, government entities, industrial control centers and large multi-national enterprises have been awakened to the ever-expanding security risks that threaten their organization's operational integrity and are now, on an ever-increasing basis, turning to IT Security experts to analyze and remediate any organizational and technological vulnerabilities.

Becoming an industry leader...
This program will prepare students to take on the complex challenges facing Cybersecurity in the modern world. Learners will develop the expert knowledge and practical skills enabling them to become a leader in the field and to access a broad range of career opportunities.
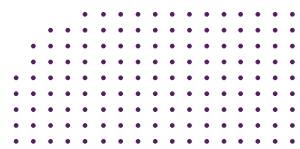
Student Journey

This program consists of **68 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.
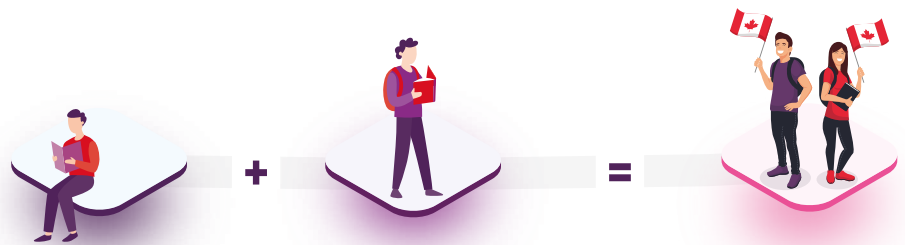
	Academic	CO-OP + Scheduled Breaks	Graduation
International	58 Weeks	126 Weeks	184 Weeks
Domestic	58 Weeks	82 Weeks	140 Weeks

*Scheduled breaks for domestic students may be optional.

Please see proposed schedule **here**.

Courses

1. Introduction to Computer Systems and Server Administration
2. Introduction to Data Communication and Networking
3. Website Development
4. Introduction to Programming
5. Cybersecurity Terminology and Language
6. Introduction to Internet Programming and Web Applications
7. Introduction to Database Management Systems
8. Linux Operating Systems and Networking
9. Software Analysis and Design
10. Security Operations Management
11. Understanding Cyber Threats, Indicators of Compromise (IOCs) and Attack Methodology
12. Incidents, Events and Logging
13. Incident Detection with Security Information and Event Management
14. Enhanced Incident Detection with Threat Intelligence
15. Incident Response
16. SIEM Capstone Project

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

- Cybersecurity Analyst
- IT Consultant
- Systems Consultant
- Data Processing Consultant
- Systems Security Planner
- Systems Auditor
- Computer Network Technician
- System Administrator
- GRC Analyst

Learning Outcomes

The program is designed for individuals keen to begin their career as a Cybersecurity Analyst, 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 2.5 years of work experience which helps meet the criteria to be eligible for BC PNP tech and Federal Skilled Worker. "
>
> - Subbalakhmi A. Pillai (RCIC)
> Registered Canadian Immigration Consultant. Helios Immigration Services.

For more information about BC PNP tech or Canadian Experience class immigration streams, visit:

T & C's Apply

Admissions Requirements

- Good command of English language*.

- High school diploma or equivalent from an approved government institution of applicant's home country, or applicant is minimum 19 years of age.

For non-native speakers:

- Successful completion of CCTB EAP (English for Academic Purposes) Level 4 or

- Have the required IELTS 5.0 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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