CANADIAN COLLEGE OF TECHNOLOGY AND BUSINESS



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)

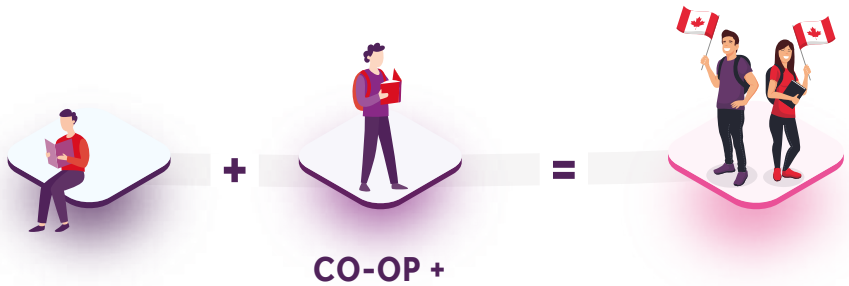
Why study this program?

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. International 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	61 Weeks	129 Weeks	190 Weeks
Domestic	61 Weeks	85 Weeks	146 Weeks

*Scheduled breaks for domestic students may be optional.

Please see proposed schedule **here**.

Courses

1. 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 Centre and Asset Management
11. Cybersecurity Tools, Attacks, and Methodologies
12. Cybersecurity Logging, Events, and Incidents
13. Incident Detection with SIEM Solutions
14. Advanced Incident Detection using Threat Intelligence
15. Cybersecurity Incident Response Techniques
16. SIEM Capstone Project
17. 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
- Data Processing and Systems Analysis Manager
- Information Systems Manager
- Systems Development Manager
- Information Security Analyst
- Cybersecurity Analyst
- IT Consultant
- Systems Security Planner
- Systems Administrator
- Technical 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 Federal Skilled Worker 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 5.5 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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