Diploma in Cybersecurity Analyst Practicum

Key Facts

Campus
Vancouver

Qualification
Post-Secondary Diploma

Start Dates
January, May, September

Learning Partner
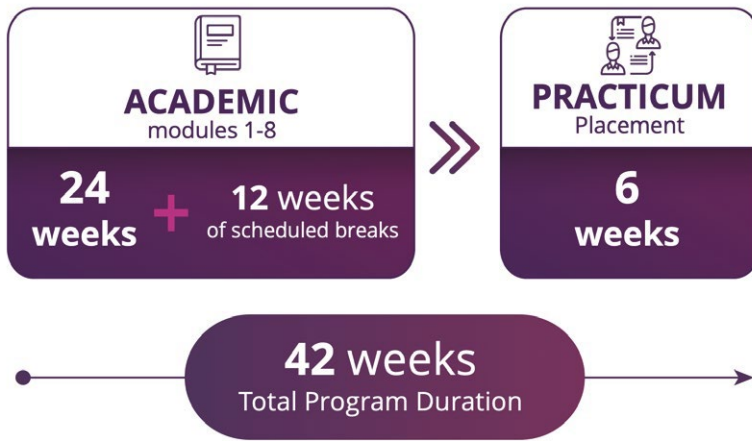
CompTIA
AUTHORIZED ACADEMY

This program is powered by CompTIA, giving you the knowledge to build a solid foundation towards the most recognized accreditation in the industry, the Security+ certification. CompTIA is considered to be one of the IT industry's top trade associations. It issues professional certifications in over 120 countries.

Develop the skills you need to become a successful Cybersecurity Analyst with CCTB's one-year post-secondary diploma. Through a mixture of in-class lessons and practical work experience, you will gain expert knowledge of operating systems, data management, and general system communications.

Program Overview

Studying a Diploma in the Cybersecurity Analyst Practicum program will equip you with the skills and knowledge to enter several roles including Systems Security Planner, Internet Systems Administrator and Network Support Technician

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 rich sector.

Why study this program?

This program will prepare you for taking on the complex challenges within the field of Cybersecurity. Through a range of presentations, assessments, and assignments you will develop expert knowledge of the field enabling you to access a range of career opportunities.

Program Duration

ACADEMIC
modules 1-8

24 weeks + **12 weeks** of scheduled breaks

PRACTICUM Placement

6 weeks

42 weeks
Total Program Duration

Practicum Experience

The practicum work experience placement represents 20% of the overall program duration. You will get the opportunity to apply your newly acquired skills within the industry through an unpaid work experience.

Courses

1. Introduction to Cybersecurity
2. Computer Networks
3. Communication, Operating Systems, and Data Management
4. Programming Languages for Cybersecurity
5. Concepts and Practical Implementation of Encryption
6. Information Security
7. Penetration Testing
8. Hackathon

Career Opportunities

- Computer Network Technician
- Data Centre Operator
- Computer Operations Supervisor
- Digital Computer Operator
- Network Controller
- Web Technician
- Network Administrator
- Network Support Technician

Learning Outcomes

By the end of the program, students will be able to demonstrate an understanding of web programming, implement encryption-based technologies as well as run penetration tests on systems to test for potential security risks.

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.