CANADIAN COLLEGE OF TECHNOLOGY AND BUSINESS



# Full-Stack Web Development with CO-OP

Enter this in-demand field as a talented Full-Stack Web Developer by learning to build modern, complex and interactive web applications within this comprehensive technology program.

## Key Facts

**Campus**
Vancouver

**Qualification**
Post-Secondary Diploma

**Start Dates**
Jan, May, Sep

## Program Highlights

In this Full-Stack Web Development program, you will develop the skills necessary to enter the industry as an entry to mid-level Full-Stack Developer.

**A glimpse into what you will learn...**

- Building modern, interactive, and cross-platform user-interfaces using HTML, CSS, JavaScript
- Server-side programming with Node.js, Express.js and MongoDB
- Create advanced user-interfaces and single-page applications with React.js and Vue.js
- Relational Database Systems and SQL
- Environment management with Linux and AWS Cloud Services
- Back-end development with Python and the Django framework
- Software analysis and design
- Build orchestration and automation

## Why study this program?

**The latest in web development frameworks...**
This program will equip you with the expertise of the latest and popular web development frameworks and technologies enabling you to become a highly sought-after engineer upon graduation.

**Become a job-ready developer...**
You will learn everything you need to become a job-ready Full-Stack Developer upon program completion. You become proficient in front-end development, back-end development, software analysis and design, build management and deployment, software development models, environment management and more.

**Take advantage of an in demand high-paying career...**
Full-Stack Web Development and Software Engineers 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 **67 weeks of scheduled program breaks.** Students can work FT during scheduled breaks. The CCTB Career Development Centre will assist **international 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 | 52 Weeks | 119 Weeks | 171 Weeks |
| Domestic | 52 Weeks | 76 Weeks | 128 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 Database Management Systems (DBMS)
5. Introduction to Programming
6. Linux Operating Systems and Networking
7. Introduction to Internet Programming and Web Applications
8. Software Analysis and Design
9. Web Application Programming
10. Advanced User-Interface Programming
11. Development Operations (DevOps)
12. Web Development 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

- Application Programmer
- Web programmer
- Web Designer
- Web Developer
- Website Designer
- Website Developer
- Full Stack Developer
- Frontend Developer

## Learning Outcomes

After completing this program, students will be able to design and create highly responsive, dynamic, and interactive modern web interfaces, optimized for many platforms, including mobile and tablet UI devices, using HTML5, CCS, BootStrap, and JavaScript.

**"During this program students may get up to 2.2 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*.
- 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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