



CANADIAN COLLEGE  
OF TECHNOLOGY  
AND BUSINESS

# Software Developer in Test

## Practicum

Through this multidisciplinary program, students will become familiar with a range of technical skills including Linux, virtualization and cloud computing, Java and SQL, and much more. In addition, students will learn to design, build, and maintain a test automation framework.

### Key Facts



**Campus**  
Vancouver



**Qualification**  
Post-Secondary Diploma



**Program Duration**  
70 Weeks | 1050 Hours



**Academic**  
42 Weeks | 840 Hours



**Placement**  
10 Weeks | 210 Hours



**Intakes**  
MAY 2021 | SEP 2021

### Program Overview

The Software Developer in Test Diploma (Practicum Program) will equip you with the skills needed to enter a range of different roles including: Software Testing Engineer, Application Architect, Computer Software Engineer, Software Technical Architect and Software System Integration Engineer.

This program is tailored for individuals who are passionate about the technology industry and want to improve their skills to take on new opportunities.

### Why study this program?

Studying this program will enable you to develop the knowledge and skills required to become an entry level Software Developer in Test for both SMEs and large-scale organizations.

This program includes **18 weeks** of scheduled breaks.



**International Tuition**  
**Fee after Scholarship\***

~~\$26,000~~  
**CAD \$18,000**

\*Additional fees may apply. Textbook costs are not included.



## Learning Outcomes

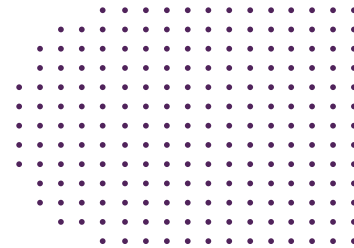
Upon completing this program, students will be able to perform test activities; design, build and maintain a cloud-based testing environments; write intermediate object-oriented programs in Java and much more.

## Career Opportunities

Completing the Software Developer in Test Program will provide you with skills that you can take into any number of different roles. Some roles you could consider pursuing after you finish the program include:



- Cloud Administrator
- Software Technical Architect
- System Quality Assurance Analyst
- Solutions Architect
- Software Systems Designer



## Entry Requirements

- 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 English Proficiency page.

## Courses



- Introduction to Linux/Unix Systems Administration
- Relational Database Design and SQL
- Cloud Solution Architecture 1
- Cloud Solution Architecture 2
- Object Oriented Programming 1
- Object Oriented Programming 2
- Design Patterns, Data Structures and Algorithms
- Test Automation Framework 1
- Test Automation Framework 2
- Introduction to Web Services and API Testing
- Introduction to Performance Testing
- DevOps Infrastructure and Tools 1
- DevOps Infrastructure and Tools 2

**ORACLE**  
Academy

The program is powered by Oracle Academy. The Oracle Application Express (APEX) cloud-based software will be used in this program to practice learning database foundations. Student's will be able to challenge the Oracle Certified Database Foundation Associate exam to achieve certification.

**Apply  
now!**

**Canadian College of Technology & Business**

626 W Pender St, Vancouver, BC V6B 1V9, Canada

DLI: O134304821852

info@canadianctb.ca

     @CanadianCTB

**www.canadianctb.ca**