

# LEA.CQ

# Computer Science Technology

*Software Testing ACS*

**REGULAR  
TRACK**

**MATRIX**  
COLLEGE

## About Program

There is tremendous demand for qualified IT professionals in Canada and globally. Potential employers seek skilled employees who have specialized software testing abilities coupled with knowledge of operating systems, databases, and programming.

Our ACS in Computer Science Technology – Software Testing prepares you to be a Computer Science Technician capable of understanding business requirements, writing test cases, testing applications, products, and finding solutions using functional and automated testing methods. This program opens up job opportunities for you across the banking, insurance, health, and manufacturing domains, to name a few.



**PROGRAM LENGTH**  
2 Years | 4 Semesters



**LANGUAGE OF DELIVERY**  
English



## Key Courses

### Introduction to IT

- › Introduction to operating systems (Windows)
- › Algorithms
- › Introduction to programming
- › Introduction to UNIX, Linux, and the Internet
- › Database installation

### Programming

- › Introduction to database design
- › Internet I: Internet fundamentals
- › Introduction to object-oriented programming
- › Internet II: Web Programming

### Software Testing

- › Database design II
- › Requirements gathering using object-oriented models
- › Manual software testing
- › Automated testing tools
- › Big data
- › Applied professional communications
- › Internship



## Possible Career Opportunities

- › Software Analyst
- › Software Tester
- › Business Analyst



## Prerequisites

- › **Language proficiency requirements SDS countries:** Overall IELTS 6.0 and nothing less than 5.5 in any one individual module.
- › **Language proficiency requirements non-SDS countries:** IELTS 5.5 (nothing less than 5.5 band in any individual 2 modules) or equivalent language proficiency (TOEFL, CAE, DUOLINGO) or Matrix AAP English.
- › **Minimum academic requirements SDS countries:** Grade 12 or equivalent.
- › **Minimum academic requirements non-SDS countries:** Grade 12 or Bachelors or equivalent.