

# COMPUTER SCIENCE TECHNOLOGY SOFTWARE TESTING (AEC)



**2** years (22 months)  
**4** Semesters

## About Program

There is tremendous demand for qualified IT professionals globally and in Canada. Potential employers are seeking skilled employees who have specialized software testing abilities coupled with knowledge of operating systems, databases and programming. Matrix College AEC in Computer Science Technology Software Testing prepares you to be a Computer Science Technician who is capable of understanding business requirements, writing test cases, testing applications, products and solutions using functional and automated testing methods. This program opens up job opportunities for you across banking, insurance, health and manufacturing domain

## REGULAR TRACK



## 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

- › Applicant must be at least 18 years old
- › Grade 12 or equivalent
- › Fluency in English with an overall band score of 6.0 (nothing less than 5.5 band in any one individual module)



### DELIVERY METHOD

Instructor led classroom  
Fabrication and testing of materials using a lab  
Visit to construction sites



### SALARY RANGE

\$ 45,000 - \$65,000  
per annum

MATRIX COLLEGE OF MANAGEMENT TECHNOLOGY AND HEALTHCARE.

📍 1980, Rue Sherbrooke Ouest, Bur. 609 et 709, Montréal, Québec, Canada, H3H 1E8

☎ +1 514 667 7017 / +1 514-934-4777

✉ info@matrixcollege.ca

[www.matrixcollege.ca](http://www.matrixcollege.ca)