



**DAY | 3 SEMESTERS**  
900 hours

**AEC**  
**LEA.00**

The aim of the program is to train students to become IT specialists who are able to develop and ensure the quality and functionality of mobile applications on iOS and Android platforms and also able to work in the field of mobile web development.

The content for this high-quality training program is designed to allow graduates to implement various types of native mobile applications, such as games and web-based mobile applications. These innovative applications will be used for mobile terminals (smartphones, tablets and digital assistants), using the most common technologies (iOS and Android).

Graduates will develop mobile applications in various sectors, such as the video game sector and will perform online monitoring for mobile web development projects.

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## Training Objective

Graduates will be able to assist clients (or employers) in defining their needs, model applications and program in languages specific to mobile devices.

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## Career Prospects

- Mobile application developer (iOS/Android platforms)
- Mobile application designer
- Mobile application quality assurance manager

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## Diploma

This program leads to an Attestation of College Studies (AEC).

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## Admission Criteria

- Possess basic computer skills as well as training deemed sufficient
- Be familiar with a programming language (C++, C#, Python, Java)
- Meet the admission criteria set for college studies

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## Bring Your Own Device

The use of a MacBook is mandatory. Windows computers are not accepted. Standard or student license software must be installed when requested by teachers.





## Concentration Courses

- Introduction to Programming (Java) (75 h)
- UML Modeling (60 h)
- SQL Databases (75 h)
- Elements of mobile devices (45 h)
- Objective-C programming (60 h)
- Introduction to Object Oriented Programming (75 h)
- Introduction to Mobile development for Android (75 h)
- Introduction to Mobile development for iOS (75 h)
- Project Management (90 h)
- Advanced Mobile applications development for Android (90 h)
- Advanced Mobile applications development for iOS (90 h)
- Final Project (90 h)

\* The College reserves the right to substitute certain courses.

## Computer Club

The school includes a student-run computer club, which provides support to new computer science students and organizes sports and cultural activities.

## Special Notes

Course content of this Attestation of Collegial Studies (AEC) program is given for information purposes only. LaSalle College reserves the right to change, modify, add or remove one or several software programs or programming languages from the curriculum at any time. Any such changes will, however be made without affecting either our stated teaching objectives.

## Methods of Instruction

On-campus

- At the Montréal campus

