



52 Weeks/1040 Hours

Course details



MOBILE APPLICATION DEVELOPER



STUDENT SUPPORT COMMUNITY



Employment opportunities and salary

- ✓ Mobile Application Developer
- ✓ Android Application Developer
- ✓ iOS Application Developer
- ✓ Windows Mobile App Developer
- ✓ Software Engineer
- ✓ Java Application Developer
- ✓ Objective-C Developer

C\$23,05 / hour

Avg. Base Hourly
Rate (CAD)

Source: jobbank.gc.ca
And payscale.com

C\$65,617/year

Avg. Base Salary
(CAD)

**TECHNOLOGY
FACULTY**

NOC codes:

- Computer programmers and interactive media developers: 2174
- Engineer, software 2173



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MOBILE APPLICATION DEVELOPER



Program Summary

The mobile software application development market is a fast-growing market. In the Mobile Application Developer diploma program, you will learn to develop apps for Google Android and Apple iOS devices. In addition to core aspects of app development, you will also cover user interface and user experience, hacking safeguards, web technologies and security aspects of mobile apps.



Learning Focus

- Business Communications
- Java Programming
- Introduction to SQL
- CompTIA A+
- HTML5 and CSS3
- C++ Programming
- Android Application Development
- Web Technologies for Mobile Applications
- Mobile Application Development Project
- IOS Development
- Secure Development for Mobile Applications
- Mobile Applications UX Design
- Mobile Applications UI Design
- Xamarin Mobile Application Development
- Hacking Mobile Applications
- Job Search Strategies



EduCanada



What do mobile applications developers do?

Mobile applications developers create and develop mobile apps. They have a strong working knowledge of the different platforms that applications are suitable for, such as smartphones and tablets. Mobile app developers are also adept at using PCs and Macs and various operating systems. In addition, they have a strong foundation in IT programming and areas such as C++, objective-C, wireless networks, PHP, MS/SQL, Adobe, Java, HTML, "cloud storage" and Flash. Many developers also hold special development and configuration certifications.

MOBILE APPLICATION DEVELOPER



Business Communications

This course has been designed to bring the real world of international business communications into the classroom. Students have the opportunity to improve their English communications skills by using a task based approach with roleplay, discussions, group assignments, and case studies. This is a classroom instructor-led course where concepts are presented using various tools such as: lectures, class discussions, group discussions, projects, case studies, role play, and open class dialogue.

Hours

80

Java Programming

This subject will introduce students to Java object-oriented design and programming concepts. In addition, students will be exposed to Graphical User Interface building that will allow them to create their own programs.

80

Introduction to SQL

This introductory course will introduce students to the concepts of SQL. Students will explore the techniques of how to write database applications, perform administrative tasks, and generate reports.

60

CompTIA A+

This subject addresses the competencies required for an entry-level IT professional in the PC Technician, Help Desk, and Network Support fields. Students will explore the skills required to assemble components, install, configure and maintain devices, PCs and software, understand the basics of networking and security/forensics, properly and safely diagnose, resolve and document common hardware and software issues while applying troubleshooting skills.

60

HTML5 and CSS3

This subject introduces the concepts of HTML5 and CSS3 from the ground up. Students will be introduced to HTML5 and CSS3 principles and features that designers and developers use in their daily work.

60

C++ Programming

This subject introduces the student to C++ background and provides an introduction to the C++ language and its standard library. Students will explore C++'s abstraction mechanisms and generic programming capabilities.

80

Android Application Development

This subject introduces innovative, engaging methods that will cultivate the student's knowledge of app development through a progressive, building block approach. The subject includes a classroom-friendly, meaningful app that illustrates the concepts covered during the course.

120

Web Technologies for Mobile Applications

This subject will provide students with vital fundamental and advanced guidance in the area of Web intelligence. Students will be able to develop effective and intelligent web applications and services, and be able to discover useful knowledge through analyzing large amounts of content, hidden content structures, or usage patterns of web data resources.

60



Secure Development for Mobile Applications

This subject will introduce students to the security measures required in social apps running on mobile platforms. Students will be exposed to the techniques required to design and code apps with security as part of the process and not an afterthought.

Hours

60

Mobile Applications UX Design

This course will guide students through the process of how to embed content first thinking into popular UX design techniques to reveal powerful insights about the content, that lead to a better user experience. Students are introduced to strategy tools and techniques to show them how to craft innovative multidevice products.

40

Mobile Applications UI Design

This subject will explore the concepts of planning, designing and building engaging user interfaces for Android applications.

40

Xamarin Mobile Application Development

This subject will demonstrate step-by-step how to develop iOS apps with Xamarin. The course will detail the procedures to set up a development environment on a PC or Mac to test and distribute through the Apple Store.

40

Hacking Mobile Applications

This subject provides students with a comprehensive guide to securing all mobile applications by approaching the issue from a hacker's point of view. Students will explore proven methodologies for approaching mobile application assessments, and the techniques used to prevent, disrupt, and remediate the various types of attacks.

60

Mobile Application Development Project

This subject will provide students with an opportunity to bring together knowledge and skills they have learned throughout the program, in order to develop a moderately complex mobile app.

60

Job Search Strategies

This course offers students a thorough understanding of the skills required in order to obtain meaningful employment after graduation. Students will develop these skills through numerous practical assignments, in-class discussions, job searches procedures, and mock interviews.

20

iOS Development

This subject will provide students with hands-on guide to creating iOS apps for iPhone and iPad using Swift4, Xcode 9, and iOS 11.

120

Contact us

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