WEB & MOBILE APP DEVELOPMENT
CO-OP DIPLOMA

Empower your career

CORNERSTONE
International Community College of Canada

YOUR **SUCCESS**

OUR **PRIORITY**

Web & Mobile App Development Co-op Diploma

Curriculum Overview

Cornerstone International Community College of Canada (CICCC) is one of the first private colleges in Canada to offer the Web and Mobile Application Development Program.

A 24-month diploma program comprised of 10 courses and 12 months of paid internship, it is designed to prepare learners for a web application development career in business sector that provides IT products and services to corporations and establishments of all sizes.

> " *Everybody should learn to program a computer, because it teaches you how to think"* | **Steve Jobs**

Co-op work term Overview

The co-op work term is essential to develop well rounded students. By working directly in Canadian technology companies, students will have the opportunity to learn practical skills that complement their academic learning. This will ground on the theories they have studied and enriched their knowledge about, broaden their career network and give them much needed industry experience.

Bloomberg Businessweek has called *Vancouver* "The new tech hub"

Program duration 24 months total

12 months
Academic studies

+

12 months
Co-op work

Work Load

Aside from the additional efforts made relative to the level of commitment students individually feel towards their program, students are expected to complete a minimum of 1-3 hours of assigned reading and/or homework each day, as designated by the instructor.

Admission requirements

1. High School Graduation or equivalent; or 18 years of age.

2. Applicants must successfully meet English language proficiency level based on one of the following:

   • TOEFL PBT – 513; CBT – 183; IBT – 65;

   • TOEIC – 620;

   • IELTS – 5.5;

   • Cornerstone Placement Test – Level 5 or equivalent.*

* Test based on the Placement and Evaluation Package (Interchange Third Edition and Passages Second Edition from Cambridge University Press, 2008)

You may study ESL courses prior to starting the program

Program Curriculum

MADP 101

Wireless & mobile technology · 20hr

This course is designed to introduce you to the power and potential of modern wireless and mobile technology. You will learn hardware, networking, and the internet functionality. You will gain knowledge in data storage and mobile operating systems.

MADP 201

Cross platform mobile development · 60hr

In this course you will learn an introduction to object oriented programming and the concepts involved in cross platform development in the mobile world. The focus will be on creating hybrid apps that can run on all major platforms.

MADP 102

Web development for mobile devices · 100hr

In this course you will be introduced to concepts of web development HTML, CSS, JavaScript, and AJAX. You will explore various environments to have a thorough understanding of the uses of web development and computer languages. You will create web pages and use of responsive design.

MADP 202

JAVA development · 160hr

This course will guide you through the fundamentals of Java programming and application writing. The core object oriented concepts will be thoroughly studied such as abstraction, classes, encapsulation, methods, inheritance, objects, packages, polymorphism properties and more.

MADP 103

Rich media development · 40hr

The Rich Media course focuses on the development of effective web design. You will learn graphic design tools that deliver a solid foundation of skill in Adobe Photoshop and Adobe Illustrator. The content will teach you how to maximize the potential while utilizing top grade industry tools in graphic design. You will have the opportunity to use their own individual work to build a graphic design student portfolio.

MADP 301

Android app development and wearables · 200hr

This course focuses on the android system, setting up development environment with virtual machine concepts and various file extensions. The topics will include API levels, building blocks, filters, and UI components. The course will end with a project for Android and a seminar on career preparation.

MADP 104

Project Management · 20hr

This course serves as an introduction to the principles of project management and software engineering. You are equipped with proper knowledge and skills necessary in designing software projects.

MADP 401

C, objective C and SWIFT · 140hr

In this course you will be introduced to the advantages of C language. This course comprehensively teaches how to debug and write programs effectively. By learning that objective C and SWIFT support an open style of dynamic binding. This style can accommodate a simple architecture for interactive user interfaces.

MADP 105

Media development · 20hr

The course will examine the techniques and skills needed as a social media specialist. The content will help students to design social networking platforms relative to the markets, culture and diversity in the field.

MADP 402

iOS app development and wearables · 200hr

This course outline the basics of the iPhone application, GPS, and map kit functions. You will learn how to publish an iPhone app onto the App Store, and the course will provide a projector for iOS system along with a seminar on career preparation.

★ **CO-OP Work Experience · 960hr**
You will have the opportunity to learn practical skills to complement their academic learning.

The Incubation Project

We are the bridge between your academic training and your professional success. In order to facilitate this transition, we have set an exclusive office space for you. Throughout your academic year, the space is available for you and your team to meet with your clients. In addition, it provides you with the opportunity to connect with local companies, build your industry network and create your portfolio.

Saaya, 28, Japan

"My favourite things about studying at Cornerstone are that the instructors are very approachable, you get instant feedback, and classes are very practical"

Luis, 27, Mexico

"I love studying at Cornerstone College. The diversity in the college makes your everyday such an enriching learning experience."

Think responsive

Responsive web design (RWD) is the way of designing that will allow us to adapt our content to any device, making it bigger or smaller as needed.

Make your ideas

Big

APP

Did you know that there are more than 2,000,000 of mobile applications only on the apple Store?

In the 18 months starting July 2008, when Apple updated the iOS to support native apps, and ending in January 2010, nearly 150,000 apps were released.

UX

Is the way of thinking that will allow us to put ourselves in the skin of the user of our application, program or device.

ger

The possibilities that android gives us today will allow our application to be seen and tested by millions of users in different devices.

Begin Your **Web & Mobile App** Development **Career**

- HTML and CSS
- Android and iOS Development
- Java Development
- Responsive Design
- Cross Platform Mobile Development

Pathway Program

Web & Mobile App Development Diploma
at **Cornerstone College**

Bachelor of Arts in Individualized Studies
at **Fairleigh Dickinson University**

Students completing the Web & Mobile App Development Co-op Diploma at Cornerstone College, **can transfer 24 credits** towards the 120 credits needed to complete a Bachelor of Arts in Individualized Studies with Specialization in Applied Technology at **Fairleigh Dickinson University.**

* Students must obtain a C or higher on Cornerstone courses for successful transfer of programs, and meet all FDU admissions requirements

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