



| CREDENTIAL | PROGRAM CODE | AREA OF INTEREST | LOCATION | DURATION |
|-------------------------|--------------|------------------------|-------------|----------|
| Ontario College Diploma | Fall: 0180 | Engineering Technology | Thunder Bay | 2 -year |

Overview

Ever look at a phone app or other piece of software and wonder if you could do that? Chances are, you can – and Confederation College can help!

Confederation College’s Computer Programming two-year diploma program will give you the technical skills you need and help to develop your own creativity. You’ll learn how to program in various languages such as HTML5, JavaScript, C#, VB.NET, Java, and SQL. You’ll also master the art of application design, design patterns, user experience strategies, design techniques, several languages, non-language specific development, deployment and testing for a host of devices and environments.

Designed to help you prepare to engage in self-employed scenarios and learn to work globally, this program features a strong focus on building Full Stack development skills.



Top Highlights

- Work placement in the fourth semester allows you to apply your new skills in a real-world job position
- Program is designed to expose students to different aspects of programming to help them find what areas appeal most
- Learn how to work as part of a team and as a self-employed programmer
- Develop, test, and launch your own apps onsite and in the cloud using your laptop



Employment Opportunities

Graduates of this program go on to work in web development, desktop software development, mobile application development, database administration, business analytics, system analysis and design, customer technical support, information technology and other areas of computer programming.



Experiential Learning

Optional Co-op



Daniel Kaukinen Program Coordinator

(807) 473-3728
Daniel.Kaukinen@confederationcollege.ca



Computer Programming

Admission Requirements

- Ontario Secondary School Diploma (or equivalent) with courses from the College (C), University (U), University/College (U/C), or Open (O) preparation levels with Grade 12 English (C/U) Level.
- or successful completion of the Mature Student Assessment.
- or successful completion of the General Education Development Test (GED).
- or appropriate credits from the Academic and Career Entrance program (ACE).

Other Courses Recommended

- Grade 12 Mathematics.

Alternative Pathways

If you do not meet the entrance requirements, we encourage you to apply for the Pre-Technology program-Technology/Aviation to facilitate success in your technology path.

First Semester

CP 150 Operating Systems
CP 160 Web Programming & Design
CP 180 Introduction to Databases
CP 190 Programming Fundamentals
CS 050 College Writing
GE General Elective
GE General Elective

Second Semester

CP 220 OOP with Net
CP 240 Advanced Web Applications
CP 260 User Experience Theory
CP 270 Advanced Database Design & SQL
CP 280 Req Analysis and Process Modelling
CS 219 Communications for Technology
MA 115 Applied Math for Technology 1

There is an optional Co-op Placement between semesters 2 and 3 (spring/summer).

Third Semester

CP 330 Design Patterns and Testing
CP 335 Object Oriented Analysis and Design
CP 345 OOP with JAVA
CP 355 Project Management
CP 380 ASP.NET
CP 390 Software Development & Deployment
GE General Elective

Fourth Semester

CP 430 Mobile Computing
CP 435 Computer Networks
CP 440 Major Project
CP 445 Data Specialization
CP 455 Ethics and Law
CP 465 Systems Security
CP 470 Open Source Programming



Have questions? Want to apply?
Contact recruitment@confederationcollege.ca

