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[Back to Program Page](#)

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Computer Programming

Diploma

Program Code: CP221

Campus: North, Online

Length: 4 semesters

Humber's Computer Programming diploma program is designed to prepare you for a wide variety of employment opportunities with

In addition to learning programming skills in a variety of languages including Java, JavaScript, Python and mobile programming (A

Students also learn about the standards of planning, developing, testing and deploying integrated software solutions. In addition, s

Graduates of this program will be equipped with the up-to-date skills and knowledge to succeed in a broad range of employment s

This program offers a co-op option. Optional Co-operative Education placements enable you to apply your skills and knowledge in

For students who are accepted into the program, one optional co-operative education placement will take place between Semester

Courses

Semester 1

CPAN 111: Database Concepts and Design

CPAN 113: Fundamentals of JavaScript

CPAN 116: Algorithms and Problem Solving

CPAN 133: Operating Systems

CPAN 134: Web Programming and Design

WRIT 120: Technical Reading and Writing Skills

Semester 2

CPAN 112: Fundamentals of Numeric Computing

CPAN 121: Database Programming

CPAN 131: Object-Oriented Programming

CPAN 144: Advanced Front-End Programming

GNED 101: An Introduction to Arts and Sciences

WRIT 220: Technical Workplace Writing Skills

Semester 3

CPAN 209: Systems Design

CPAN 211: Data Structures and Algorithms

CPAN 212: Modern Web Technologies

CPAN 213: Cross-Platform Mobile Application Development

CPAN 214: High-Level Programming Languages

Select 1 from the following courses

GNED: General Elective

Semester 4

CPAN 224: Application Testing

CPAN 225: Principles of Project Management

CPAN 226: Network Programming

CPAN 227: Advanced Database Programming

CPAN 228: Web Application Development

WORK 111: Career Path Development

Select 1 from the following courses

GNED: General Elective

Admission Requirements

Admission selection is based on the following 3 requirements:

. Academic

To be eligible for admission, you must possess the following:

Ontario Secondary School Diploma (OSSD) or equivalent including these required courses:

Grade 12 English (ENG4C or ENG4U or equivalent)

Grade 12 Mathematics (MAP4C, MCT4C, MDM4U, MCB4U, MGA4U, MCV4U or MHF4U or equivalent)

Two Grade 11 or Grade 12 C, M or U courses in addition to those listed above

or

Mature student status

or

College or university transfer status

Mature Applicants

Diplomas and Certificates