

Print Friendly Version - Humber College

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Computer Systems Technician – Information Technology Infrastructure and Services

Diploma

Program Code: CS211

Campus: North

Length: 4 semesters

Humber's Computer Systems Technician - Information Technology Infrastructure and Services diploma program prepares you for

The curriculum in the program prepares you for the role of a system administrator whose responsibilities include installation, config

The program will give you hands-on experience with various hardware platforms, protocols and services with a strong emphasis o

Your group projects will help you build essential customer service skills, and develop your interpersonal communications and team

Our faculty collaborates very closely with industry partners to keep the program current and relevant. You will learn from professor

This program offers an optional co-operative education placement. Optional co-operative education placements enable you to app

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

Courses

Semester 1

NEST 100: IT Hardware Infrastructure

NEST 101: Introduction to Programming

NEST 102: Introduction to Telecommunication Systems

TECH 103: Digital Fundamentals

TECH 112: Computer Hardware and operating Systems

TMTM 104: Technical Mathematics 1

WRIT 120: Technical Reading and Writing Skills

Semester 2

GNED 101: An Introduction to Arts and Sciences

NEST 203: IT Processes and Support

TECH 169: Windows Server Operating System Administration 1

TECH 170: Fundamentals of Networking Technologies

TECH 171: Introduction to Hypervisors

TECH 172: Unix System Administration 1

WRIT 220: Technical Workplace Writing Skills

Semester 3

NEST 205: Advanced Routing and Switching

NEST 206: Cloud Infrastructure

NEST 207: Unix System Administration 2

NEST 208: Windows Server Operating System Administration 2

NEST 209: Wireless Networks

NEST 220: Fundamentals of IT Security

Select 1 from the following courses

GNED: General Elective

Semester 4

NEST 256: Data Centre Technologies

NEST 257: Unix System Administration 3

NEST 258: Windows Server Operating System Administration 3

NEST 259: Technical Project

NEST 260: Cybersecurity

NEST 265: Unified Communications

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