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Electromechanical Engineering Technician

Diploma

Program Code: 3070R

Campus: North

Length: 4 semesters

In Humber's Electromechanical Engineering Technician diploma program, you'll learn industry 4.0 concepts in a hands-on project-

Complementing your technical education are courses in communications, problem-solving and interpersonal skills that add value to

Courses

Semester 1

ATMN 100: Engineering Graphics

ATMN 110: Introduction to Control Circuits

GNED 101: An Introduction to Arts and Sciences

MECH 106: Workshop Practices 1

MECH 112: Engineering Materials

TMTM 114: Technical Mathematics for Electromechanical Engineering

WRIT 120: Technical Reading and Writing Skills

Semester 2

ATMN 151: Robotics 1

ATMN 152: Mechatronics 1

ATMN 153: Industrial Pneumatics

ATMN 156: First Year Mechatronics Project

MECH 155: Statics

WRIT 220: Technical Workplace Writing Skills

Semester 3

ATMN 200: Industrial Hydraulics

ATMN 210: Robotics 2

ATMN 215: Mechatronics 2

ATMN 220: Programming

CALC 103: Introduction to Calculus

Select 1 from the following courses

GNED: General Elective

Semester 4

ATMN 250: Mechatronics 3

ATMN 252: PLC Applications 1

ATMN 253: C++ Program for Automation

ATMN 256: Second Year Mechatronics Project

MECH 212: Applied Dynamics

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

An applicant is considered a mature applicant if they have not completed secondary school or other postsecondary school, and with

Degrees

An applicant is considered a mature applicant if they have not completed secondary school or attended postsecondary studies, and

College Transfer Applicants