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Mechanical Engineering Technician

Diploma

Program Code: 30601

Campus: North

Length: 4 semesters

Humber's Mechanical Engineering Technician diploma program provides you with the necessary skills to design and manufacture

advanced manufacturing technologies

design of engineering systems

engineering and project management

mechanical maintenance

modeling of mechanical systems

programming (CNC) machine tools using computer-aided manufacturing (CAM) software

quality control

The curriculum includes courses in solid mechanics, CNC programming, mechanical design, hydraulics, pneumatics, programmab

Courses

Semester 1

ATMN 100: Engineering Graphics

ATMN 110: Introduction to Control Circuits

MECH 106: Workshop Practices 1

MECH 112: Engineering Materials

TMTH 105: Technical Mathematics 1

WRIT 120: Technical Reading and Writing Skills

Semester 2

ATMN 153: Industrial Pneumatics

GNED 101: An Introduction to Arts and Sciences

MECH 155: Statics

MECH 157: Computer Assisted Design

MECH 158: Computer Assisted Manufacturing 1

MECH 159: Manufacturing Processes

Semester 3

MECH 214: Mechanical Components Design

MECH 215: Computer Assisted Manufacturing 2

MECH 216: Industrial Design

MECH 252: Strength of Materials

TMTH 205: Technical Mathematics 2

WRIT 220: Technical Workplace Writing Skills

Semester 4

ATMN 200: Industrial Hydraulics

MECH 212: Applied Dynamics

MECH 250: Mechanical Systems Design

MECH 251: Tool and Die Design

MECH 258: Mechanical Systems Maintenance

Select 1 from the following courses

GNED: General Elective

Select 1 from the following courses

MECH: Mechanical Electives

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