

Print Friendly Version - Humber College

[Skip to content](#)

[Back to Program Page](#)

[Print](#)

[Print/PDF Help](#)

[Share](#)

Mechanical Engineering Technology

Advanced Diploma

Program Code: 30731

Campus: North

Length: 6 semesters

Humber's Mechanical Engineering Technology is an advanced diploma program that provides you with hands-on experience and

The curriculum covers the theory and the skills required for:

advanced manufacturing of engineering systems

automation

engineering and project management

engineering design using leading industrial software

operation design and sustainability

programming computer numerical control (CNC)

prototyping and proof of concept applications

testing and maintenance of engineering systems

Our program builds upon the solid technical foundation of the Mechanical Engineering Technician diploma program. The manufac

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 optional co-operative education placements, three co-op placements will take place. The f

Courses

Semester 1

ATMN 100: Engineering Graphics

ATMN 110: Introduction to Control Circuits

MECH 106: Workshop Practices 1

MECH 112: Engineering Materials

TMTM 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

TMTM 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

Semester 5

CALC 103: Introduction to Calculus

MECH 315: Machine Design

MECH 323: Product Development

MECH 324: Thermal Technologies

MECH 327: Capstone Project 1

MECH 365: Instrumentation and PLC