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Heating, Refrigeration and Air Conditioning Technology
Advanced Diploma
Program Code: 03601
Campus: North
Length: 6 semesters
Humber's Heating, Refrigeration and Air Conditioning Technology advanced diploma program provides you with comprehensive k
Our program features an optional, paid field experience directly related to your program of study. The field experience is designed
The field experience takes place after the completion of Semester 4, for a minimum of 400 hours. Participating students are requir
Courses
Semester 1
HRAC 100: Refrigeration 1
HRAC 101: HVAC Controls 1
HRAC 102: Engineering Practices
HRAC 106: Installation Practices
HRAC 107: Gas Code
TMTH 105: Technical Mathematics 1
WRIT 108: English 1 for Skilled Trade Professionals
Semester 2
GNED 101: An Introduction to Arts and Sciences
HRAC 150: Refrigeration 2
HRAC 151: HVAC Controls 2
HRAC 152: Oil Code
HRAC 153: Advanced Piping Systems
TMTH 205: Technical Mathematics 2
WRIT 208: English 2 for Skilled Trade Professionals
Semester 3
HRAC 200: Residential Systems Design 1
HRAC 202: Refrigeration 3
HRAC 205: Mechanical Ventilation
HRAC 206: HVAC Controls 3
HRAC 305: Decorative Heating Applications
Select 1 from the following courses
GNED: General Elective
Semester 4
HRAC 255: Refrigeration 4
HRAC 256: Heating Systems and Add-Ons
HRAC 300: Hydronic Systems
HRAC 350: Air Handling and Burners
HRAC 351: Combustion Venting
Select 1 from the following courses
GNED: General Elective
Semester 5
EMAN 300: ESE Energy Management Designs: Part 1
EMAN 301: ESE Energy Management DDC Controls: Part 1
EMAN 303: HVAC Estimating
HRAC 201: HVAC AutoCAD and Graphics
HRAC 254: HVAC Software Applications
HRAC 257: Commercial System Design 1
Semester 6
EMAN 302: ESE Energy Management Designs: Part 2
EMAN 350: ESE Advanced Building Systems: Part 1
EMAN 351: ESE Energy Management DDC Controls: Part 2
EMAN 352: ESE Technical Report
HRAC 252: Combo-Commissioning
Admission Requirements
Admission selection is based on the following 3 requirements:
- Academic