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Electronics Engineering Technology
Advanced Diploma
Program Code: 03511
Campus: North
Length: 6 semesters
Advances in technology continue to make it easier for us to work, live and communicate with each other every day, and electronic
Humber's advanced diploma in Electronics Engineering Technology will prepare you to work in all fields where electric circuits and
The knowledge and hands-on skills you gain will help you build a career in new and emerging technologies such as Augmented R
The program takes a system design and integration approach to electronic applications, and you will gain in-depth knowledge and
connectivity and interface design, embedded microcontrollers, IoT integration
electronic circuits and control systems
industrial, scientific and medical (ISM) instrumentation
photonics, fibre optics, microwave links and antennas
signal acquisition and processing
wireless and networking
The program has been designed in collaboration with an advisory panel comprised of industry experts to ensure you are learning
There is also a co-op option, enabling you to graduate with industry experience.
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, two optional co-operative education placements will take place. The first four-mo
Courses
Semester 1
ELIC 105: Elements of Product Design
ELIC 124: Computer System Fundamentals
TECH 101: Electric Circuits
TECH 103: Digital Fundamentals
TMTH 104: Technical Mathematics 1
WRIT 120: Technical Reading and Writing Skills
Semester 2
TECH 150: Electronic Devices and Circuits
TECH 156: AC Circuits
TECH 158: Digital Electronics
TECH 159: Circuit Applications
TMTH 204: Technical Mathematics 2
WRIT 220: Technical Workplace Writing Skills
Semester 3
ELIC 200: Electric Machines
ELIC 220: Communication Circuits
ELIC 221: Linear Circuits
ELIC 222: Computer Programming in C/C++
GNED 101: An Introduction to Arts and Sciences
Select 1 from the following courses
GNED: General Elective
Semester 4
CALC 103: Introduction to Calculus
ELIC 223: Computer Networking
ELIC 250: Embedded Microcontrollers
ELIC 251: Telecommunication Systems
ELIC 316: Power Electronics
Select 1 from the following courses
ELIC: Electronics Eng. Electives
Semester 5
CALC 203: Applied Calculus
ELIC 309: Digital System Design
ELIC 310: Digital Signal Processing
ELIC 325: Analog Circuit Design
ELIC 327: Photonics
ELIC 328: Instrumentation and LabVIEW