

# COMPUTER ENGINEERING TECHNOLOGY (EMBEDDED NETWORKS) >>>

## Hire The Best

With in-depth studies in microcontroller programming and interface, real time operating systems, digital signal processing, wireless networks, data communications, quality assurance and industrial controls, our co-op students are well-prepared for work assignments in product design and the troubleshooting, analysis and repair of computer based control systems. Technical problem-solving skills are developed through a combination of theory and hands-on experience in our advanced laboratories.

## Some Assignments Include

- Production system troubleshooting and repair
- Website development
- Control systems testing and installation
- Routine maintenance and repair of simulation equipment
- Embedded systems programming and hardware design
- System configuration, monitoring and reporting

## Program Outline



Sept. – Dec.	Jan. – April	May – Aug.	Sept. – Dec.	Jan. – April	May – Aug.	Sept. – Dec.	Jan. – April	May – Aug.	Sept. – Dec.
Semester 1	Semester 2	Vacation	Semester 3	<b>Co-op Work Term 1</b>	Semester 4	<b>Co-op Work Term 2</b>	Semester 5	<b>Co-op Work Term 3</b>	Semester 6
Electronics Shop Practices Digital Electronics 1 Electric Circuits 1 Computer Hardware Reading & Writing Prose Technology Math 2 Occupational Health and Safety	C/C++ Programming Electronics 1 Digital Electronics 2 Electric Circuits 2 Computer Networks Technology Math 3 General Education Elective		Data Communications Computer Architecture Database Introduction Operating Systems with Linux Micro-controllers 1 Measurement & Instrumentation Signature Learning Experience Employment Preplacement		Computer Engineering Electronics Control Networks Micro-controllers 2 Quality Control & Tech Project Calculus General Education Elective		Network Devices Wireless Technology Project Management Computer Interfacing Control Systems Real Time Operating Systems		Network Design & Test Relational Database Management Wireless Networks System-on-Chip Digital Signal Processing Computer Engineering Project Embedded Systems