

# BIOMEDICAL ENGINEERING TECHNOLOGY



## Hire The Best

With theory and hands-on lab experience in a variety of electronics/computers, biomedical technology and biomedical laboratory courses, this program prepares students for work assignments in the design, manufacture, installation, calibration, inspection, preventive maintenance, repair and modification of biomedical and related technical equipment. Students are prepared to work in varying environments including hospital, equipment manufacturing, pharmaceutical, rehabilitation and research facilities.

## Some Assignments Include

- Jr. Biomedical Equipment Technician
- Quality Assurance Inspector
- Assistant Service Technician
- Design Assistant
- Biomedical Engineering Technician

## 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	Co-op Work Term 1	Semester 4	Co-op Work Term 2	Semester 5	Co-op Work Term 3	Semester 6
Electronics Shop Practices Digital Electronics 1 Electric Circuits 1 Computer Hardware College Communications 2 Technology Mathematics 2 Occupational Health & Safety	C/C++ Programming Electronics 1 Digital Electronics 2 Electric Circuits 2 Computer Networks Technology Mathematics 3 Elective		Applied Anatomy & Physiology Clinical Laboratory Techniques Biomedical Engineering 1 Infection Control & Microbiology Electronics 2 Electronic Communication Systems Signature Learning Experience Employment Preplacement		Biomedical Engineering 2 Dialysis & Water Treatment Microcontrollers 1 Measurement & Instrumentation Electronics 3 Quality Control & Tech Project		Biomechanics & Rehabilitation Engineering Medical Imaging Systems Photonics Devices & Laser Treatment Fundamentals of Project Management Microcontrollers 2 PLC and Controls Data Communications & Networks		Advanced Topics in Biomedical Engineering Computer Integrated Surgery & Telemedicine Biomedical Project RF Transmission & Measurements Wireless Networks & Applications Elective

