

# BIOMEDICAL EQUIPMENT TECHNOLOGY

## CAREER PATHS

BIOMEDICAL EQUIPMENT TECHNICIAN  
MEDICAL EQUIPMENT TECHNICIAN  
MEDICAL EQUIPMENT SALES REPRESENTATIVE  
LABORATORY EQUIPMENT SPECIALIST

## SALARY

\$62,630\*  
MEDIAN ANNUAL INCOME

## JOB GROWTH

2023-2033: 18%\*



# BIOMEDICAL EQUIPMENT TECHNOLOGY



## PROGRAM OBJECTIVE

The Biomedical Equipment Technology program prepares students as entry-level biomedical technicians with skills training that include medical terminology and human physiology principles, as well as the maintenance and support, planning and acquisition, and installation of medical equipment according to standards and guidelines.

## READY. SET. WORK.

- Goal 1:** Students will achieve, through study and hands-on learning, the skills necessary to obtain an entry-level Biomedical Technician position when they graduate.
- Goal 2:** Students will prove their knowledge of and ability to perform many equipment management tasks required in the Healthcare Technology Management (HTM) field prior to graduation.
- Goal 3:** Students will prove competence with biomedical test equipment and basic testing techniques on common medical devices through hands-on competency tests.

Applicants are encouraged to arrange a campus visit and a personal information session with a Recruitment Advisor. Appointments may also be made to meet with appropriate faculty and current students.

## CAREER OPPORTUNITIES

Graduates work as technicians and sales representatives in the field of Healthcare Technology Management (HTM). Typical employers in this field are hospitals; medical centers; contract maintenance firms; dental, medical, and optical facilities; computer, electronic and medical instrumentation manufacturers.

## PROGRAM COURSES

CREDITS

### TERM 1

Introduction to Electronic Equipment	1
DC Electricity and Instrumentation	2
DC Electricity and Instrumentation Lab	1
Alternating Current and Passive Devices	2
Alternating Current and Passive Devices Lab	1
Fundamentals of Chemistry	3
Fundamentals of Chemistry Lab	1
Trigonometry	3
Project Management	2
First-Year Experience	1

### TERM 2

Introduction to Semiconductors	2
Introduction to Semiconductors Lab	1
Integrated Circuits & Thyristors	2
Integrated Circuits & Thyristors Lab	1
Physiology and Anatomy	3
Industry Communication	3
Digital Electronics	2
Digital Electronics Lab	2
Introductory Physics	3

### TERM 3

Medical Equipment Standards and Testing	2
Medical Equipment Standards and Testing Lab	2
Physiological Monitoring Devices	2
Physiological Monitoring Devices Lab	2
Network Architectures, Principles, and Protocols	2
Network Architectures, Principles, and Protocols Lab	1
Customer Service and Our World	3

### TERM 4

Life Support Systems	2
Life Support Systems Lab	2
Specialized Medical Systems	2
Specialized Medical Systems Lab	1
Public Speaking	3
Art Elective	3

### TERM 5

Internship	4
------------	---

### MINIMUM CREDITS TO GRADUATE

67

This term layout is based off of a fall start. Students who start in the spring will be required to attend an additional term to complete their degree.

There may be special admission requirements for this program. Please speak with a Recruitment Advisor by calling 570-702-8856 or visit our website [johnson.edu](http://johnson.edu) to review our requirements.