

# BIOMEDICAL EQUIPMENT TECHNOLOGY

Delivery: Evening Program  
 Start: Fall Semester, Full-Time Recommended  
 Location: Rosemount Campus

## Outcome

Biomedical Equipment Technology A.A.S. Degree . . . . . 69 credits  
 Biomedical Equipment Technology Certificate . . . . . 26 credits

## Major Description

Students are trained to work as biomedical equipment technicians, more commonly known as BMETs. They test the performance and operating characteristics of medical electronic/electro-mechanical equipment of moderate complexity to ensure compliance with established performance and safety standards. Graduates are qualified to maintain life support equipment found in hospitals, medical centers and research laboratories.

## Work Environment

BMETs find employment with hospitals, clinics, universities, equipment manufacturers and contract service providers. They work with medical professionals at all levels to assure the safe and effective use of sophisticated electronic medical devices.

## Potential Job Titles

- Biomedical Electronics Technician
- Biomedical Engineering Technician
- Biomedical Equipment Specialist
- Electromedical-Equipment Repairer
- Medical-Equipment Repairer
- Field Service Technician

## Salary Data

- Average Wage: \$26.75/hour
- Top Earners: \$41.92/hour

## BIOMEDICAL EQUIPMENT TECHNOLOGY – A.A.S. DEGREE

### Fall Semester – First Year

Course#	Course Title	Credits
BMET1112	DC Electricity	3
BMET1116	Solid State Electronics and Lab	5
BMET1123	AC Electricity	3
ISTC1040	Network Systems I	3
COML1400	Introduction to Computers	3
<b>Total Credits</b>		<b>17</b>

### Spring Semester – First Year

Course#	Course Title	Credits
BMET1136	Managing Customer Satisfaction in the Health Care Environment	1
BMET1530	Digital and Micro Processors	3
ISTC1010	Microcomputer Maintenance	3
ISTC2005	Network System II	3
SPEE1020	Interpersonal Communication	3
INTS1000	College Success Skills	2
<b>Total Credits</b>		<b>15</b>

### Fall Semester – Second Year

Course#	Course Title	Credits
BMET1121	Administrative Functions	3
BMET1241	Mechanical Systems	3
HEAL1502	Medical Terminology	2
ISTC2010	Network Systems III	3
BIOL1300	Introduction to Physiological Anatomy	4
ENGL1100	Writing and Research Skills	3
<b>Total Credits</b>		<b>18</b>

### Spring Semester – Second Year

Course#	Course Title	Credits
BMET1110	Introduction to Biomedical Technology	3
BMET1221	Instrumentation I	4
BMET1231	Instrumentation II	4
BMET2970	Biomedical Equipment Tech. Internship	2
EMRG1017	First Responder	3
ISTC2015	Network Systems IV	3
<b>Total Credits</b>		<b>19</b>

**TOTAL PROGRAM REQUIREMENTS 69**

*This is a sample course sequence resulting in an A.A.S. degree. Please consult your program advisor regarding your academic plans.*

## BIOMEDICAL EQUIPMENT TECHNOLOGY – CERTIFICATE

This certificate is designed for students with a degree in Electronics.

### Fall Semester – First Year

Course#	Course Title	Credits
BMET1121	Administrative Functions	3
BMET1136	Managing Customer Satisfaction in the Health Care Environment	1
BMET1241	Mechanical Systems	3
HEAL1502	Medical Terminology	2
BIOL1300	Introduction to Physiological Anatomy	4
<b>Total Credits</b>		<b>13</b>

### Spring Semester – First Year

Course#	Course Title	Credits
BMET1110	Introduction to Biomedical Technology	3
BMET1221	Instrumentation I	4
BMET1231	Instrumentation II	4
BMET2970	Biomedical Equipment Tech. Internship	2
<b>Total Credits</b>		<b>13</b>
<b>TOTAL PROGRAM REQUIREMENTS</b>		<b>26</b>

*This is a sample course sequence resulting in an certificate.  
Please consult your program advisor regarding your academic plans.*