

# STEM

## BIOMEDICAL EQUIPMENT TECHNOLOGY

**Delivery:** Daytime Classes

**Start:** Fall Semester, Full-Time Recommended

### AWARDS

Biomedical Equipment Technology A.A.S. Degree . . . . . 70 cr.

Biomedical Equipment Technology Certificate . . . . . 27 cr.

### MAJOR DESCRIPTION

Students are trained to work in the Healthcare Technology Management field as biomedical equipment technicians, more commonly known as BMETs. They test the performance and operating characteristics of medical electronic/electromechanical equipment of moderate to high complexity to ensure compliance with established performance and safety standards. Graduates are qualified to maintain equipment found in hospitals and medical centers.

### WORK ENVIRONMENT

BMETs find employment with hospitals, clinics, universities, equipment manufacturers and contract service providers. They generally work indoors and some travel may be required. BMETs work with medical professionals at all levels to assure the safe and effective use of sophisticated 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

See latest data at [careerwise.minnstate.edu](http://careerwise.minnstate.edu).

- Average Wage: \$25.62/hour
- Top Earners: \$37.29/hour

### BIOMEDICAL EQUIPMENT TECHNOLOGY

A.A.S. DEGREE

*This is a suggested sample course sequence.*

*Please contact your program advisor regarding your academic plans.*

#### First Year - Fall Semester 19 cr

BMET1112	DC Electricity . . . . .	3
BMET1123	AC Electricity . . . . .	3
BMET1140	Solid State Electronics . . . . .	4
HEAL1502	Medical Terminology . . . . .	2
ISTC1010	Microcomputer Maintenance . . . . .	3
MATS1300	College Algebra . . . . .	4

#### First Year - Spring Semester 18 cr

BMET1122	Administrative Functions . . . . .	4
BMET1530	Digital and Microprocessor . . . . .	3
BMET2940	BMET Field Experience . . . . .	1
CHEM1500	Introduction to Chemistry . . . . .	4
ENGL1150	Composition I . . . . .	3
ISTC1045	Network Systems I: Introduction to Networking . . . . .	3

#### Second Year - Fall Semester 16 cr

BIOL1310	Introduction to Anatomy and Physiology . . . . .	4
BMET1220	Medical Device Technology . . . . .	4
BMET2110	Professional Skills . . . . .	2
ISTC2006	Network Systems II: Routing and Switching Essentials . . . . .	3
PHYS1050	Introduction to Physics . . . . .	3

#### Second Year - Spring Semester 15 cr

BMET1114	Wireless Communication . . . . .	1
BMET2210	Biomedical Instrumentation I . . . . .	4
BMET1231	Biomedical Instrumentation II . . . . .	4
ISTC2011	Network Systems III: Scaling Networks . . . . .	3
SPEE1020	Interpersonal Communication . . . . .	3

#### Second Year - Summer Session 2 cr

BMET2970	Internship . . . . .	2
----------	----------------------	---

**TOTAL PROGRAM REQUIREMENTS 70**

**BIOMEDICAL EQUIPMENT TECHNOLOGY  
CERTIFICATE**

*This is a suggested sample course sequence.  
Please contact your program advisor regarding your academic plans.  
This certificate is designed for students with a degree in Electronics.*

<b>First Year - Fall Semester</b>	<b>12 cr</b>
BIOL1310 Introduction to Anatomy and Physiology . . . . .	4
BMET1220 Medical Device Technology . . . . .	4
BMET2110 Professional Skills . . . . .	2
HEAL1502 Medical Terminology . . . . .	2

<b>First Year - Spring Semester</b>	<b>13 cr</b>
BMET1114 Wireless Communication . . . . .	1
BMET1122 Administrative Functions . . . . .	4
BMET2210 Biomedical Instrumentation I. . . . .	4
BMET1231 Biomedical Instrumentation II . . . . .	4

<b>Summer Session</b>	<b>2 cr</b>
BMET2970 Internship . . . . .	2

**TOTAL PROGRAM REQUIREMENTS 27**



**DAKOTA COUNTY  
TECHNICAL COLLEGE**

A member of Minnesota State

DCTC.EDU • 2021-2022 CATALOG



**DCTC IS AN AFFIRMATIVE ACTION, EQUAL OPPORTUNITY EMPLOYER/EDUCATOR.**

This information is available in an alternate format by calling 651-423-8469 or TTY/Minnesota Relay at 1-800-627-3529.