

# BMT - Biomedical Engineering Technology

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## Courses

### **BMT 161 Biomedical Instrumentation 1** **4 Credits. 3 Lecture Hours. 3 Lab Hours.**

A course on the role of the biomedical engineering technician, and fundamentals of systems and device maintenance. Topics include: hospital organization and regulations, professional certifications, safety, medical device maintenance, and technology management. Prerequisites: MAT 124 (minimum grade C) or appropriate Math placement  
Corequisites: EET 131 : Circuit Analysis 1

### **BMT 191 Part-Time Cooperative Education 1: Biomedical Equipment and Information Systems Technology** **1 Credit. 1 Lecture Hour. 20 Lab Hours.**

Students seeking an associate's degree participate in their first part-time field learning experience related to their degree. Students are expected to register for academic courses during the same semester. Students must follow cooperative education policies and procedures to earn credit. Grades issued are Satisfactory or Unsatisfactory. Prerequisites: None

### **BMT 192 Part-Time Cooperative Education 2: Biomedical Equipment and Information Systems Technology** **1 Credit. 1 Lecture Hour. 20 Lab Hours.**

Students seeking an associate's degree participate in their second part-time field learning experience related to their degree. Students are expected to register for academic courses during the same semester. Students must follow cooperative education policies and procedures to earn credit. Grades issued are Satisfactory or Unsatisfactory. Prerequisites: BMT 191

### **BMT 193 Part-Time Cooperative Education 3: Biomedical Equipment and Information Systems Technology** **1 Credit. 1 Lecture Hour. 20 Lab Hours.**

Students seeking an associate's degree participate in their third part-time field learning experience related to their degree. Students are expected to register for academic courses during the same semester. Students must follow cooperative education policies and procedures to earn credit. Grades issued are Satisfactory or Unsatisfactory. Prerequisites: BMT 192

### **BMT 194 Part-Time Cooperative Education 4: Biomedical Equipment and Information Systems Technology** **1 Credit. 1 Lecture Hour. 20 Lab Hours.**

Students seeking an associate's degree participate in their fourth part-time field learning experience related to their degree. Students are expected to register for academic courses during the same semester. Students must follow cooperative education policies and procedures to earn credit. Grades issued are Satisfactory or Unsatisfactory. Prerequisites: BMT 193

### **BMT 195 Part-Time Cooperative Education 5: Biomedical Equipment and Information Systems Technology** **1 Credit. 1 Lecture Hour. 20 Lab Hours.**

Students seeking an associate's degree participate in their fifth part-time field learning experience related to their degree. Students are expected to register for academic courses during the same semester. Students must follow cooperative education policies and procedures to earn credit. Grades issued are Satisfactory or Unsatisfactory. Prerequisites: BMT 194

### **BMT 196 Part-Time Cooperative Education 6: Biomedical Equipment and Information Systems Technology** **1 Credit. 1 Lecture Hour. 20 Lab Hours.**

Students seeking an associate's degree participate in their sixth part-time field learning experience related to their degree. Students are expected to register for academic courses during the same semester. Students must follow cooperative education policies and procedures to earn credit. Grades issued are Satisfactory or Unsatisfactory. Prerequisites: BMT 195

### **BMT 262 Biomedical Instrumentation 2** **4 Credits. 3 Lecture Hours. 3 Lab Hours.**

A continuation of BMT 161. Topics include: patient and surgical monitoring, complex medical devices, imaging equipment, medical technology management, equipment malfunction, and globalization. Prerequisites: EET 121 (minimum grade C) and BMT 161 and EET 132  
Corequisites: ESET 251 : Electronics

### **BMT 291 Full-Time Cooperative Education 1: Biomedical Equipment and Information Systems Technology** **2 Credits. 1 Lecture Hour. 40 Lab Hours.**

Students seeking an associate's degree participate in their first full-time field learning experience related to their degree. Students must follow cooperative education policies and procedures to earn credit. Grades issued are Satisfactory or Unsatisfactory. Prerequisites: None

### **BMT 292 Full-Time Cooperative Education 2: Biomedical Equipment and Information Systems Technology** **2 Credits. 1 Lecture Hour. 40 Lab Hours.**

Students seeking an associate's degree participate in their second full-time field learning experience related to their degree. Students must follow cooperative education policies and procedures to earn credit. Grades issued are Satisfactory or Unsatisfactory. Prerequisites: BMT 291

### **BMT 293 Full-Time Cooperative Education 3: Biomedical Equipment and Information Systems Technology** **2 Credits. 1 Lecture Hour. 40 Lab Hours.**

Students seeking an associate's degree participate in their third full-time field learning experience related to their degree. Students must follow cooperative education policies and procedures to earn credit. Grades issued are Satisfactory or Unsatisfactory. Prerequisites: BMT 292

### **BMT 294 Internship 1: Biomedical Equipment and Information Systems Technology** **2 Credits. 1 Lecture Hour. 40 Lab Hours.**

Students seeking an associate's degree participate in their first unpaid field learning experience related to their degree. Students must follow applicable policies and procedures to earn credit. Grades issued are Satisfactory or Unsatisfactory. Prerequisites: BMT 151 and CIT 190

**BMT 295 Internship 2: Biomedical Equipment and Information Systems Technology**

**2 Credits. 1 Lecture Hour. 40 Lab Hours.**

Students seeking an associate's degree participate in their second unpaid field learning experience related to their degree. Students must follow applicable policies and procedures to earn credit. Grades issued are Satisfactory or Unsatisfactory.

Prerequisites: BMT 294