

# BMT

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## Courses

### **BMT 151 Biomedical Instrumentation 1**

**4 Credits. 3 Lecture Hours. 3 Lab Hours.**

A course on the role of the biomedical engineering technician. Topics include: hospital organization and regulations, professional certifications, safety, and medical devices.

Prerequisites: AFM 090 or appropriate placement test score

### **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 198 First Year Special Topics in Biomedical Equipment and Information Systems Technology**

**1-9 Credits. 0 Lecture Hour. 0 Lab Hour.**

A course on selected topics related to Biomedical Equipment and Information Systems Technology, which gives students opportunities to study information not currently covered in other courses. Grades issued are A, B, C, D, or F.

Prerequisites: Instructor Approval

### **BMT 199 First Year Independent Project in Biomedical Equipment and Information Systems Technology**

**1-9 Credits. 0 Lecture Hour. 0 Lab Hour.**

A project related to Biomedical Equipment and Information Systems Technology that is completed by one or more students to meet specific educational goals. Projects must have prior approval and supervision by Biomedical Equipment and Information Systems Technology faculty. Grades issued are Satisfactory or Unsatisfactory.

Prerequisites: Instructor Approval

**BMT 252 Biomedical Instrumentation 2****4 Credits. 3 Lecture Hours. 2 Lab Hours.**

A continuation of BMT 151. Topics include: medical device maintenance, technology management, patient and surgical monitoring, and test equipment.

Prerequisites: BMT 151, EET 122, and EET 132

**BMT 253 Biomedical Instrumentation 3****4 Credits. 3 Lecture Hours. 2 Lab Hours.**

A continuation of BMT 252. Topics include: complex medical devices, imaging equipment, medical technology management, equipment malfunction, and globalization.

Prerequisites: BMT 252 and EET 251

**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

**BMT 298 Second Year Special Topics in Biomedical Equipment and Information Systems Technology****1-9 Credits. 0 Lecture Hour. 0 Lab Hour.**

A course on selected topics related to Biomedical Equipment and Information Systems Technology, which gives students opportunities to study information not currently covered in other courses. Grades issued are A, B, C, D, or F.

Prerequisites: Instructor Approval

**BMT 299 Second Year Independent Project in Biomedical Equipment and Information Systems Technology****1-9 Credits. 0 Lecture Hour. 0 Lab Hour.**

A project related to Biomedical Equipment and Information Systems Technology that is completed by one or more students to meet specific educational goals. Projects must have prior approval and supervision by Biomedical Equipment and Information Systems Technology faculty. Grades issued are Satisfactory or Unsatisfactory.

Prerequisites: Instructor Approval