# BIOMEDICAL ENGINEERING TECHNOLOGY, A.A.S.

The **Biomedical Engineering Technology degree** prepares students for careers as biomedical equipment technicians, (also known as biomedical engineering technicians) in hospitals, health agencies, businesses and industries that manufacture and maintain electronic and biomedical instrumentation equipment. This program prepares students to test, install, and maintain healthcare components such as rehabilitation and therapeutic products, medical imaging systems, and computer-based systems used in the biomedical technology field. This degree program requires 64 credits in program requirements, program electives and general education in the courses listed below.

For more information about Electronics Technology, please visit the program page (http://www.cod.edu/electronics/).

## Degree Requirements

**Field of Study Code: ELECT.AAS.BIOMED**

| Code | Title | Credits |
|------|-------|---------|
| **Program Requirements** | | |
| ELECT 1100 | Electricity and Electronics Fundamentals | 3 |
| ELECT 1101 | Circuits I | 3 |
| ELECT 1102 | Circuits II | 4 |
| ELECT 1141 | Digital Fundamentals | 3 |
| ELECT 1151 | Electronic Devices and Applications | 4 |
| ELECT 1221 | Introduction to Biomedical Instrumentation Technology | 3 |
| ELECT 2221 | Biomedical Instrumentation Technology and Applications | 3 |
| ANAT 1500 | Survey of Human Anatomy and Physiology | 4 |
| ELMEC 2510 | Process and Automation Controls | 3 |
| HLTHS 1110 | Biomedical Terminology | 3 |
| **Program Electives** | | |
| Select 13 credits from the following (in addition to the courses listed above): | | 13 |
| ELECT 1120 | Electronic Documentation and Fabrication | |
| ELECT 1161 | Modern Communications | |
| ELECT 1201 | Renewable Energy Fundamentals | |
| ELMEC 1101 | Survey of Automation | |
| ELMEC 1141 | Hydraulics and Pneumatics | |
| ELMEC 1190 | Intro to Programmable Logic Controllers | |
| **General Education** | | |
| Select 18 credits (in addition to the courses listed above) | | 18 |
| **Total Credits** | | **64** |

## General Education Requirements

For general education requirements for the A.A.S. degree, please visit the A.A.S. degree catalog page (https://catalog.cod.edu/associate-degree-programs/associate-applied-science-degree/).