

# 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
<b>Program Requirements</b>		
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
<b>Program Electives</b>		
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	
<b>General Education</b>		
Select 18 credits (in addition to the courses listed above)		18
<b>Total Credits</b>		<b>64</b>

## 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/>).