



# Fresno City College

Electrical Systems Technology  
BIOMEDICAL EQUIPMENT  
TECHNICIAN – FORMERLY  
BIOMEDICAL TECH  
2019-2020

Name: \_\_\_\_\_

ID: \_\_\_\_\_

Date: \_\_\_\_\_

Advisor Contact: \_\_\_\_\_

**Major Requirements: 28 units**

**A grade of “C” or better is required in the following courses**

<b>CERTIFICATE OF ACHIEVEMENT (F.6086.CA)</b>	<b>C-ID</b>	<b>Units</b>	<b>Completed</b>	<b>In Progress</b>	<b>Planned</b>
BIOL 5, Human Biology		4			
EST 55A, Digital Concepts		3			
EST 57A, Analog Communications		3			
EST 57B, Digital Communications		3			
EST 57C, Voice and Data Cabling		3			
EST 60, A+ PC Maintenance and Repair		3			
EST 61, Networking Fundamentals		3			
EST 83A, Introduction to Robotics- Introduction		3			
EST 84A, Introduction to Biomedical Electronics		3			

**Notes:**

1. The biomedical technology program trains students to troubleshoot and repair electronics based biomedical instruments and equipment. Course topics highlight three (3) primary fields of study: Electronic Fundamentals, Human Anatomy and biomedical instrumentation. Students study electronics at the component level and human biological processes as building blocks for understanding biomedical instrumentation function, operation and troubleshooting.
2. Some of the above courses may have prerequisites. See the catalog or schedule of classes.
3. The Certificate of Achievement requires completion of the major (28 units) with a “C” or better grade in each course.