



# Fresno City College

**ELECTRICAL SYSTEMS  
TECHNOLOGY  
2017-2018**

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

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

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

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

**Major Requirements: 58 units**

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

<b>ASSOCIATE IN SCIENCE (F.8171.AS)</b>	<b>C-ID</b>	<b>Units</b>	<b>Completed</b>	<b>In Progress</b>	<b>Planned</b>
AT 10, Technical Computer Application		3			
AT 40, Preparing for Employment Opportunities		3			
EST 51, Direct Current Fundamentals of Electronics		3			
EST 52, Alternating Current Fundamentals		3			
EST 53, Law Safety Practices		3			
EST 54, Integrated Devices		3			
EST 96D, National Electrical Code		3			
<b>Select minimum of 38 additional units:</b>					
EST 50, Introduction to Electronics		3			
EST 55A, Digital Concepts		3			
EST 55B, Facility Automation		3			
EST 55C, SCADA Systems		3			
EST 56A, Wiring Methods		3			
EST 56B, Motor Controls		3			
EST 56C, Industrial Electronics		3			
EST 57A, Analog Communications		3			
EST 57B, Digital Communications		3			
EST 57C, Voice and Data Cabling		3			
EST 58, Programmable Logic Controllers		3			
EST 59, Instrumentation Systems		3			
EST 60, A+ PC Maintenance and Repair		3			
EST 80, Introduction to Photovoltaics		3			
EST 81, Photovoltaic Systems		3			
EST 82A, Introduction to Robotics		3.5			
Est 82B, Robotic Applications		3.5			
<b>No more than three (3) units from the following courses:</b>					
EST 96A, National Electrical Code Part 1		3			
EST 96B, National Electrical Code Part 2		3			
EST 96C, National Electrical Code Part 3		3			

**NOTES:**

1. Electrical Systems Technology provides an opportunity for students to prepare for employment in the electronics/electrical industry. Specific occupational preparation is provided in the above program.
2. Some of the above courses may have prerequisites. See the catalog or schedule of classes.
3. The *Associate Degree* requires completion of the major (58 units) with a “C” or better grade in each course plus the completion of the General Associate Degree requirements –basic competencies, physical education/Dance, and lifetime physical and mental wellness –and General Education requirements for a total of 60 semester units minimum with a 2.0 or better GPA.