



# Fresno City College

ELECTRICAL SYSTEMS  
TECHNOLOGY  
2019-2020

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

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

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

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

**Major Requirements: 55 units**

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

ASSOCIATE IN SCIENCE (F.8171.AS)	C-ID	Units	Completed	In Progress	Planned
AT 10, Technical Computer Application		3			
EST 51, Direct Current Fundamentals of Electronics		3			
EST 52, Alternating Current Fundamentals		3			
EST 53, Law Safety Practices		2			
EST 54, Integrated Devices		3			
EST 96D, National Electrical Code-Electrical Safety		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		2			
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			
EST 83A, Robotics, Industrial - Introduction		3			
EST 83B, Robotics, Industrial – Advanced Application		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 (55 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 60semester units minimum with a 2.0 or better GPA.