



Fresno City College

ELECTRICAL SYSTEMS
TECHNOLOGY
2018-2019

Name: _____

ID: _____

Date: _____

Advisor Contact: _____

Major Requirements: 58 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			
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		2			
EST 54, Integrated Devices		3			
EST 96D, National Electrical Code		3			
Select minimum of 38 additional units:					
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			
No more than three (3) units from the following courses:					
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.