



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

| CERTIFICATE OF ACHIEVEMENT (F.8171.CA) | 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 | | 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 | | | |
| EST 83A, Robotics, Industrial Introduction | | 3 | | | |
| EST 83B, Robotic, 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 Certificate of Achievement requires completion of the major (55 units) with a "C" or better grade in each course.