



ABOUT THIS MAJOR

This program will help students gain the skills and knowledge necessary to install, maintain and troubleshoot a variety of electrical systems. These include residential wiring, commercial/industrial wiring and cabling, National Electric Code, troubleshooting and maintenance, motor controls and programmable logic controls. The program gives students theory and “hands-on” practical experience related to all aspects of this occupation.

For more information on Aeronautical & Aviation Technology, visit the [Aerospace, Industrial Arts and Applied Technologies \(CTE\)](#) division.

TO EARN A DEGREE A STUDENT MUST COMPLETE THE FOLLOWING:

- [1] Completion of Major & Program Elective Courses
- [2] A minimum grade point average of 2.0
- [3] A “C” or better in all courses required for the major

Cert. Electrical Technology (ELE1)

[Total Units Required for the Major 34]

Required courses, complete ALL the following	
ELEC110 - Fundamentals of Electricity	4
ELEC115 - Electrical Codes and Ordinances	4
ELEC120 - Residential Wiring	4
ELEC130 - Alternating Current Theory	3
ELEC140 - Commercial & Industrial Wiring & Cabling	4
ELEC150 - Electrical Maintenance	4
ELEC160 - Fundamentals of Motor Control	4
ELEC220 - Advanced Motor Control-PLC	4
ELEC250 - Electricians Journeyman Review	3

RECOMMENDED PATHWAY Cert. Electrical Technology

The Recommended Plan of Study is determined by the discipline faculty. Take classes in **Summer** or **Interession** if needed to complete your degree in a timely manner!

Fall/Spring: Max 19 units | Summer: Max 9 units | Interession: Max 6 units

SEMESTER 1	
Course	Units
ELEC 110	4
ELEC 115	4
ELEC 120	4
Total Units	12

SEMESTER 2	
Course	Units
ELEC 130	3
ELEC 140	4
ELEC 160	4
Total Units	11

SEMESTER 3 (Fall-2)	
Course	Units
ELEC 150	4
ELEC 220	4
Total Units	15

SEMESTER 4 (SUMMER 1)	
Course	Units
ELEC 250	3
Total Units	3
TOTAL DEGREE UNITS	34

COUNSELING NOTE SECTION

Prerequisite: If a course is listed as a prerequisite for another course, that prerequisite course must be completed with a satisfactory grade to enroll in the next course. A satisfactory grade is a grade of “A,” “B,” “C” or “P”. Students who enroll in classes for which they do not meet the prerequisites will be involuntarily dropped. Students will be notified of this involuntary drop. Title 5, Section 55200(d)

Application for Graduation:

Antelope Valley College awards degrees three times annually following the Fall, Spring, and summer semesters. Students must apply for graduation to earn their degree or certificate. **Applications are due by September 6 for spring/summer graduates and by February 14 for fall graduates.**

AVC 26-27 CATALOG: [ACADEMIC POLICIES](#)

INFORMATION and RESOURCES

Tutoring Assistance Services	Career Center	AVC Student Health
Transfer Center	Office of Students with Disabilities	Palmdale Center
Basic Needs	Financial Aid	Counseling Division