

Electrical Technology Certificate 25-26



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. Successful students will gain experience in basic electricity, proper use of tools and test equipment, residential and commercial installations, the National Electric Code and electrical maintenance and repair.

For more information, visit the [Career and Technical Education](#) division.

TO EARN A Certificate A STUDENT MUST COMPLETE THE FOLLOWING:

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

Cert. Electrical Technology

[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

Electrical Technology Certificate

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

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

☒ Major

SEMESTER 1

Course	Units
<input checked="" type="checkbox"/> ELEC 110	4
<input checked="" type="checkbox"/> ELEC 115	4
<input checked="" type="checkbox"/> ELEC 120	4
Total Units	12

SEMESTER 2

Course	Units
<input checked="" type="checkbox"/> ELEC 130	3
<input checked="" type="checkbox"/> ELEC 140	4
<input checked="" type="checkbox"/> ELEC 160	4
Total Units	11

SEMESTER 3

Course	Units
<input checked="" type="checkbox"/> ELEC 150	4
<input checked="" type="checkbox"/> ELEC 220	4
<input checked="" type="checkbox"/> ELEC 250	3
Total Units	11

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 25-26 CATALOG: [ACADEMIC POLICIES](#)

INFORMATION and RESOURCES

Tutoring Assistance
Transfer Center

Career Center
Office of Students with Disabilities

AVC Student Health Services
Palmdale Center

Basic Needs

Financial Aid

Counseling Division