

26-27 Cert. Avionics Technology Cert (AVTE)



ABOUT THIS MAJOR

This program is designed to introduce students to the principles of nondestructive inspection (NDI) and nondestructive testing (NDT). Non-destructive testing (NDT) is a testing and analysis technique used by the aerospace industry to evaluate the properties of a material, component, and structure for characteristic differences without causing damage to the aircraft structures. Inspection methods covered in this course are Eddy Current and Ultrasonic inspection. Classroom lecture and hands-on practice with NDI testing equipment, processes, and procedures. Students who successfully complete the certificate requirements may apply for entry-level positions in aerospace nondestructive inspection, nondestructive testing, quality inspection, and aircraft or aerospace manufacturing inspection support. 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 Electives Courses
- [2] Minimum grade point average of 2.0
- [3] A C or better in all courses required for the major

Cert- Avionics Technology (AVTE)

[Total Units Required for the Major: 15]

Required Courses (21 units)	
ELTE110 - Electronic Mathematics	4
ELTE125 - Direct Current and Alternating Current Principles <i>Prerequisite: Completion of or concurrent enrollment in ELTE 110</i>	5
ELTE145 - Acceptability of Electronic Assemble <i>Prerequisite: Completion or concurrent enrollment in ELTE 110 and 125</i>	6

RECOMMENDED PATHWAY Cert. Avionics 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
ELTE 110	4
Total Units	4

SEMESTER 2	
Course	Units
ELTE 145	6
ELTE 125	5
Total Units	11
Total degree units	15

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