



## ABOUT THIS MAJOR

The Electronics Technology curriculum is designed to prepare the student for employment as an electronic technician, avionics technician, medical equipment technician, and audio/video technician. This is the only electronic technician program certified by the Federal Aviation Administration (FAA). 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 a minimum of 60-semester units or 90 quarter units of degree applicable courses
- [2] A minimum of 18-semester units in a major
- [3] Completion of 21 units AVC General Education Requirements
- [4] Minimum overall grade point average of 2.0
- [5] A "C" or better in all courses required for the major

## AS- Electronics Technology (ELT)

[Total Units Required for the Major: 30]

| Required Courses (21 units)                                           |   |
|-----------------------------------------------------------------------|---|
| ELTE110 - Electronic Mathematics                                      | 4 |
| ELTE125 - Direct Current and Alternating Current Principles           | 5 |
| Prerequisite: Completion of or concurrent enrollment in ELTE 110      |   |
| ELTE130 - Digital Circuit Analysis                                    | 4 |
| Prerequisite: Completion or concurrent enrollment in ELTE 110 and 125 |   |
| ELTE135 - Analog Circuit Analysis                                     | 4 |
| Prerequisite: Completion of ELTE 125                                  |   |
| ELTE235 - Electronic Communications I                                 | 4 |
| Prerequisite: Completion of ELTE 135                                  |   |

| Complete one of the following Option 1 or Option 2 (6 units)     |   |
|------------------------------------------------------------------|---|
| OPTION 1:                                                        |   |
| ELTE140 - Microprocessor Systems I                               | 3 |
| Prerequisite: Completion of or concurrent enrollment in ELTE 130 |   |
| ELTE220 - Microprocessor Systems II                              | 3 |
| Prerequisite: Completion of ELTE 140                             |   |
| OR                                                               |   |
| OPTION 2:                                                        |   |
| ELTE180 - Microprocessor Systems                                 | 6 |
| Prerequisite: Completion of ELTE 130                             |   |

| Program Electives- Complete 3 units from the following:               |     |
|-----------------------------------------------------------------------|-----|
| ELTE105 - Introduction to Robotics                                    | 3   |
| ELTE145 - Acceptability of Electronic Assemble                        | 6   |
| Prerequisite: Completion or concurrent enrollment in ELTE 110 and 125 |     |
| ELTE199 - Occupational Work Experience                                | 1-8 |
| LIMITATION ON ENROLLMENT                                              |     |
| ELTE252 - Introduction to Avionics                                    | 6   |
| ELTE254 - Radio Telephone License                                     | 3   |
| Prerequisite: Completion of ELTE 110 or ELTE 135                      |     |

## RECOMMENDED PATHWAY

### A.S. Electrical Technology

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

| SEMESTER 1                 |       |
|----------------------------|-------|
| Course                     | Units |
| ELTE 110                   | 4     |
| ELTE 125                   | 5     |
| ELTE 130                   | 4     |
| AVC GE AREA 1A: ENGL C1000 | 4     |
| Total Units                | 17    |

| SEMESTER 2                                  |       |
|---------------------------------------------|-------|
| Course                                      | Units |
| ELTE 135                                    | 4     |
| OPTION 1 OR OPTION 2: Microprocessor System | 6     |
| AVC GE AREA 2: MATH CONCEPTS & QUANT. RSG   | 3     |
| AVC GE AREA 1B: ORAL COMM & CRITICSL THINK  | 3     |
| Total Units                                 | 16    |

| SEMESTER 3                         |       |
|------------------------------------|-------|
| Course                             | Units |
| ELTE 235                           | 4     |
| PROGRAM ELECTIVE: ELTE 105 ( rec.) | 3     |
| GENERAL ELECTIVE                   | 3     |
| AVC GE AREA 3: ARTS & HUMANITIES   | 3     |
| Total Units                        | 13    |

| SEMESTER 4                             |           |
|----------------------------------------|-----------|
| Course                                 | Units     |
| GENERAL ELECTIVE                       | 4         |
| GENERAL ELECTIVE                       | 3         |
| AVC GE AREA 4: SOCIAL & BEHAV. SCIENCE | 3         |
| AVC GE AREA 5: NATURAL SCIENCE         | 3         |
| AVC GE AREA 6: ETHNIC STUDIES          | 3         |
| Total Units                            | 14        |
| <b>TOTAL DEGREE UNITS</b>              | <b>60</b> |

# 2026-2027 AVC General Education Requirements

Advising Form Effective Fall 2026 - Summer 2027

| GE AREA                                                                                | COMPLETED | IN PROGRESS | NEED | <p>The requirements for an AA or AS degree include the following:</p> <p>1. A minimum of 60 semester units; with at least 12 semester units completed in residence at AVC for an AA/AS degree (credit earned by examination will not be included in these 12 units); maximum of 12 pass/no-pass credit units can be accepted towards an AA/AS degree.</p> <p>2. Refer to each individual program for major requirements. All major courses as specified in the AVC catalog <u>must</u> be completed with a grade of "C" or better.</p> <p>3. An overall grade point average (GPA) of 2.0 ("C" average) is required.</p> <p><u>Double counting:</u> While a course may satisfy more than one general education requirement, it may not be counted more than once for these purposes. A course may be used to satisfy both a general education requirement and a major or area of emphasis requirement.</p> <p><u>Prerequisite:</u> If a course is listed as a prerequisite for another course, that prerequisite course must be completed with a satisfactory grade in order 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.</p> <p><u>Complete at least 3 semester units from each of the following areas below: 1A, 1B, 2, 3, 4, 5, and 6. Completion of 1a requires a minimum a grade of "C" or "P". Minimum Total GE Units Required 21 semester units or 28-31.5 quarter units.</u></p> |
|----------------------------------------------------------------------------------------|-----------|-------------|------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| AREA 1: ENGLISH COMPOSITION, ORAL COMMUNICATION, AND CRITICAL THINKING                 |           |             |      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| 2 courses required, one from Area A and one from Area B, 6 semester or 8 quarter units |           |             |      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| 1A                                                                                     |           |             |      | Group A: English Composition: ENGL C1000, ENGL C1000H                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| 1B                                                                                     |           |             |      | Group B: Oral Communication and Critical Thinking: COMM C1000, C1000H; ENGL C1001, C1001H, C1002, C1002H; PHIL 201                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| AREA 2: Mathematical Concepts and Quantitative Reasoning                               |           |             |      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| 1 course, 3 semester or 4 quarter units                                                |           |             |      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| 2                                                                                      |           |             |      | MATH 103, 110, 116, 124, 128, 140, 148, 149, 150, 150H, 160, 220, 230, 250; STAT C1000, C1000H                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| AREA 3: ARTS AND HUMANITIES                                                            |           |             |      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| 1 courses, 3 semester units or 4 quarter units                                         |           |             |      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| 3                                                                                      |           |             |      | ART 100, 103, 104, 106, 113, 132, 135, 137, 140, 145, 163, 170, 213; ARTH C1100, C1100H, C1200, C1200H; CHIN 101, 102, 201, 202; DFST 101, 102, 201, 202; COMM 112, 114, 217, 219; DA 101, 113; ENGL 114, 221, 222, 225, 227, 230, 231, 235, 242, 253, 253H, 256, 257, 259, 265, 279, C1002, C1002H; FREN 101, 102, 201, 202, 203; FTV 101, 107, 108, 201, 203, 251, 261; GER 101, 102, 201, 202; HIST 104, 105, 110, 110H, 111, 111H, 113, 115, 119, C1001, C1001H, C1002, C1002H; LATN 101, 102, 201; MUS 101, 101H, 105, 106, 110, 111, 120, 151; MUSC 102, 103, 107, 108, 109; PHIL 105, 105H, 106, 108, 109, 230, 240; NF 150; PHOT 107; PHTC 101, 150, 201; SPAN 101, 102, 110SS, 201, 202, 203, 210SS, 220SS; THA 101, 101H, 102, 103, 104, 106, 110, 111, 130, 225, 239, 239H, 240                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| AREA 4: SOCIAL AND BEHAVIORAL SCIENCE                                                  |           |             |      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| 1 course, 3 semester units or 4 quarter units                                          |           |             |      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| 4                                                                                      |           |             |      | AJ 206; ANTH 102, 103, 110, 112, 112H, 140; BUS 212; CFE 102, 103; DFST 105, 106, 110; ECON 100, 110, C2001, C2001H, C2002, C2002H; GEOG 105, 106, 110; HIST 104, 105, 110, 110H, 111, 111H, 113, 114, 116, 118, 119, C1001, C1001H, C1002, C1002H; POLS 103, 200, 201, 202, 203, C1000, C1000H; PSY 200, 201, 212, 230, 232, 233, 234, 235, 236; PSYC C1000, C1000H; SOC 105, 110, 111, 112, 115, 116, 120, 200; SOCI C1000, C1000H                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| AREA 5: NATURAL SCIENCES                                                               |           |             |      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| 1 course, 3 semester units or 4 quarter units                                          |           |             |      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| 5                                                                                      |           |             |      | ANTH 101, 101H; ASTR C1001, C1001H; BIOL 100, C1001#, 102, 103, 104, 104H, 110, 120, 201, 202, 204, 205; CHEM 101, 102, 110, 120, 210, 220; ELTE 101; ERSC 101; GEOG 101, 102; GEOL 101, 101H, 102; PHYS 101, 102, 110, 120, 211; PSCI 101<br># Students must register separately for the required lab component of BIOL 101L                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| AREA 6: ETHNIC STUDIES                                                                 |           |             |      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| 1 course, 3 semester units or 4 quarter units                                          |           |             |      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| 6                                                                                      |           |             |      | ETHN 101, 102, 110, 111, 112, 113, 114; ENGL 257 or ETHN 257EN                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |

## 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  
Transfer Center  
Basic Needs

Career Center  
Office of Students with Disabilities  
Financial Aid

AVC Student Health Services  
Palmdale Center  
Counseling Division