Certificate/AS - Electronics Technology 18-19
Recommended Program Sequence

All courses with a + sign indicate a pre-requisite or co-requisite

Term 1 (Semester: Maximum 19 units, 15 units recommended)	Units
ELTE 110, Electronics Mathematics	4
ELTE 125+, Direct Current and Alternating Current Principles	5
General Education Area E (Additional Breadth)	3
General Elective	3
Total	15

Term 2: (Intersession(6/3)-Summer (9/6) Max./Recommended units)

Term 3 (Semester: Maximum 19 units, 15 units recommended)	Units
ELTE 135+, Analog Circuit Analysis	4
ELTE 130, Digital Circuit Analysis	4
General Education Area D1 (English 101+)	3
General Elective	3
Total	14

Term 4: (Intersession(6/3)-Summer (9/6) Max./Recommended units)

Term 5 (Semester: Maximum 19 units, 15 units recommended)	Units
ELTE 235+, Elect. Communications I	4
ELTE 180+, Mcroprocessor Systems or ELTE 140+, Microprocessor Sys.	6
I & ELTE 220+, Microprocessor Sys. II	
General Education Area D2	3
General Education Area F (Diversity Studies)	3
Total	16

Term 6: (Intersession(6/3)-Summer (9/6) Max./Recommended units)

Term 7 (Semester: Maximum 19 units, 15 units recommended)	Units
Program Elective (ELTE)	3
General Education Area B (Social Science)	3
General Education Area A (Science)	3
General Education C (Humanities)	3
General Elective	3
Total	15

Transfer or Graduate

Take Summer or Intersession classes if needed to complete the program in a timely manner.

The state requires all students to have a Comprehensive Educational Plan. Make a counseling appointment as soon as enrollment is established on any term. Come by the Counseling Center or call.

Certificate/Major Required Courses:

ELTE 110, Electronics Mathematics	4
ELTE 125+, Direct Current and Alternating Current Principles	5
ELTE 130, Digital Circuit Analysis	4
ELTE 135+, Analog Circuit Analysis	4
ELTE 180+, Mcroprocessor Systems or ELTE 140+,	6
Microprocessor Sys. I & ELTE 220+, Microprocessor Sys. II	
ELTE 235+, Elect. Communications I	4
Program Electives (See below)	3

Units Required for the Certificate/Major:	**30**

Program Electives: Complete 3 units from the following

ELTE 105, Intro. to Robotics	3
ELTE 145, Acceptability of Electronic Assemblies	6
ELTE 199+, Occupational Work Experience	1-8
ELTE 252, Intro. to Avionics	3
ELTE 254+, Radio Telephone License	3
other requirements for degree	
General Education	21-27
Proficiency (See Proficiency Requirements)	*
Electives	4-10

Minimum Units Required for AS Degree	**60**

Other Requirements:
- Minimum grade of "C" required on each course
- Maximum of 12 pass/no-pass units accepted for the Degree and 6 units for a Certificate
- Refer to catalog or online website for course listings and descriptions

AS General Education: At least 3 units from each of the following areas below: A, B, C, D1, D2, E, and F. Minimum Total GE Units Required

Area A Natural Sciences: (min. 3 units)
ANTH 101, 101L
ASTR 101+, 101L+
BIOL 100, 101+, 101L+, 102, 103, 104, 110+, 120+, 201+, 202+, 204+,
CHEM 101+, 102+, 110+
ELTE 101
ERSC 101+
GEOG 101+, 101L+, 102, 102L+
GEOL 101+, 101L+, 102+, 102L+
PHYS 101, 102+, 110+, 120+, 211+
PSCI 101

Area B Social & Behavioral Sciences: (min. 3 units)
AJ 201, 204, 206
ANTH 102, 103, 112, 140
BUS 101

CFE 102
COMM 217+
DFST 105
ECON 100, 101+, 102+, 110
GEOG 105, 106, 110
HIST 101, 102, 104, 105, 107, 108, 110, 111, 113, 114, 116, 118, 119
POLS 101, 103, 200, 201+, 202+, 203+
PSY 101, 201+, 212+, 230+, 232, 233+, 234+, 235+, 236+
SOC 101, 105, 110, 111, 112, 115, 116+, 120

Area C Humanities: (min. 3 units)
ART 100, 101, 102, 103, 104, 106, 110, 113, 120, 132, 135, 136+, 137+, 140, 145, 150, 163, 170+, 210+, 213+
CHIN 101, 102+, 201+, 202+
COMM 103, 112, 114, 214+
DA 101
DFST 101, 102+, 105, 106, 201+, 202+
ENGL 102, 111+, 112+, 113+, 221+, 222+, 225+, 227+, 230+, 231+, 235+, 236+, 240+, 242+, 246+, 250+, 253+, 256+, 257+, 259+, 265+, 279+
FREN 101, 102+, 201+, 202+, 203+
FTV 101, 103, 107, 108, 201, 203, 241, 251, 261
GER 101, 102+, 201+, 202+
HIST 115
ID 150, 201
LATN 101, 102+, 201+
MUS 101, 105, 111, 131, 132+, 151+, 153+, 185+, 231+, 232+, 251A+, 251B+, 253A+, 253B+
MUSC 102, 103, 107,108
PHIL 105, 106, 108, 109
PHOT 107
PHTC 101+, 150+, 201+
SPAN 101, 110SS, 102+, 201+, 202+, 210SS+, 220SS+
THA 101, 102, 103, 110, 115A, 115B+, 116A+, 116B+, 117A+, 117B+, 118A+, 118B+, 121A, 121B, 130, 133, 225+, 239

Area D Language & Rationality: (min. 3 units from (1) and 3 units from (2))

1. *Academic Composition:* Courses fulfilling the written composition requirement shall be designed to include both expository and argumentative writing.
  ENGL 101+

2. *Communication and Analytical Thinking*
  BUS 113+
  CA 103
  CIS 101, 111, 141, 157, 161

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COMM 101, 103, 107, 109, 112, 114, 115, 217+, 219+
ENGL 102+, 103+
GEOG 201, 205
MATH 102+, 110+, 115+, 116+, 120+, 124+, 128+, 135+, 140+, 148+
150+, 160+, 220+, 230+, 250+
PHIL 110, 106, 110, 201+
NF 100, 102, 103, 110, 150
PSY 212+
SOC 111, 116+

Area E - Additional Breadth: (min. 3 units)
From areas A**, B**, C**, D2,** or

CFE 102	NF 100, 102, 103, 110, 150
COMM 103, 107, 219+	PSY 212
DFST 105	SOC 111, 116
HD 100, 101, 102, 103, 105	
HE 101, 120, 201	
ID 100, 120	
KINT 100	
LIB 107, 110	
MUSC 108	

Any DA activity course(s) from DA102-205, except DA 107A-C, 108, 109, and 111.
Any Kinesiology Fitness (KINF) activity course, Intercollegiate Athletics (IATH)
activity course, or up to 4 units for military experience.

** Courses must be taken from a discipline not previously selected.

Area F Diversity Studies: (min. 3 units)

ANTH 102, 112	FTV 201, 203
BUS 212	HE 201+
CFE 116+	HIST 110, 111, 113
COMM 114, 217+, 219+	MUSC 107, 108
DFST 105, 106	POLS 202+
ECON 110	SOC 105, 110, 116+
ENGL 250+, 253+, 256+, 257+, 259+	THA 239

Proficiency Requirements
Proficiency requirements exist for the areas of Reading, Writing and Math. Students must demonstrate competency in each of these areas in order to be eligible for the associate degree.

A. READING
Complete ENGL 101 with a "C" or better or completion of READ 099 with a minimum grade of "P" (Pass), or completion of an Associate Degree or higher from a regionally accredited institution of higher education.

B. WRITING
Completion of ENGL 101 with a minimum grade of "C." NOTE: ENGL 101 may be taken with the Pass/No Pass option; however, students are cautioned that other colleges and universities may not accept ENGL 101 courses taken on a Pass/No Pass basis, especially for satisfaction of general education and major requirements. Students planning to transfer should check college catalogs for applicable policies.

C. MATHEMATICS
Completion of MATH 102 or higher or CIS 121 with a satisfactory grade or placement by AVC assessment into a math course higher than MATH 102.

*Fulfilling proficiencies will not require any extra units if the competencies are demonstrated by including the required courses in the general education, or major requirements, or by satisfying the reading proficiency through AVC's policy.

Electives: The remaining number of units (up to a minimum of 60) are considered electives. Any course that has already been counted toward (1) the general education requirements, or (2) the major, cannot be used as an elective. Any course with a designation of "AVC" at the end of a course description can be used as an

Grade Point Average Requirement: An overall grade point average of 2.0 ("C" average) is required.

Double Counting: While a course might 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.

• Residency: Minimum of 12 units completed at AVC with a minimum of 9 of those units completed from the certificate/major. (credit earned by examination will not be included in these 12 units) Title 5, Section 54000:http://ccr.oal.ca.gov

Requirements for Two or More Associate Degrees: To be eligible for multiple associate degrees, a student must have completed all of the graduation requirements for each degree.

Transfer: Students planning to continue studies at a four-year college or university after AVC should visit the Transfer Resource Center or the Counseling Center and consult with a counselor as soon as possible to develop a plan of studies. Additional preparation for the major information on official transfer articulation agreements from AVC to many CSU/UC campuses can be found at the following Web site: www.assist.org

The "Catalog Rights Policy" sets forth the criteria used for determining the degree requirements under which students may graduate. Please refer to the AVC Catalog for a detailed description or consult with a counselor.

Advisory: A condition of enrollment that a student is advised, but not required, to meet before or in conjunction with enrollment in a course or educational program.

Prerequisite: A condition of enrollment that a student is required to meet in order to demonstrate current readiness for enrollment in a course or educational program. Prerequisites are enforced and a student will be blocked from enrolling or involuntarily dropped after enrolling if the student does not meet the stated prerequisite. A student must complete a course prerequisite with a satisfactory grade of A, B, C or P (pass).

Corequisite: A condition of enrollment consisting of a course that a student is required to simultaneously take in order to enroll in another course. Corequisites are enforced and a student will be blocked from enrolling if the student does not meet the stated co-requisite.