Certificates/AS-Aeronautical Aviation Technology 18-19
Recommended Program Sequence

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

ANTELOPE VALLEY COLLEGE

General Aircraft Maintenance

Term 1: (Intersession(6/3)-Summer (9/6) Max./Recommended units)		Term 5 (Semester: Maximum 19 units, 15 units recommended)	Units
AERO 120, Aircraft General I (Certificate/Major) summer only	7.5		

Term 2 (Semester: Maximum 19 units, 15 units recommended)	Units	Term 6 (Semester: Maximum 19 units, 15 units recommended)	Units
General Education Area D1 (English 101+)	3	General Education Area A (Science)	3
General Education Area D2 (Math 102 or higher)	4	Elective	3
General Education Area E (Additional Breadth)	3	Elective	3
Program Elective (Maintenance) or Elective	3	Elective	3
Elective	3	Elective	2
Total	16	Total	14

Term 3: (Intersession(6/3)-Summer (9/6) Max./Recommended units)		Term 7: (Intersession(6/3)-Summer (9/6) Max./Recommended units)	

Term 4 (Semester: Maximum 19 units, 15 units recommended)	Units	Term 8 (Semester: Maximum 19 units, 15 units recommended)	Units
General Education C (Humanities)	3		
General Education Area B (Social Science)	3		
General Education Area F (Diversity Studies)	3		
Elective	3		
Elective	3		
Total	15	Total	0

Term 5: (Intersession(6/3)-Summer (9/6) Max./Recommended units)		**Transfer or Graduate**	
AERO 121, Aircraft General II (Certificate/Major) summer only	7.5		

Aircraft Airframe and Aircraft Powerplant

Term 1 (Semester: Maximum 19 units, 15 units recommended)	Units	Term 5 (Semester: Maximum 19 units, 15 units recommended)	Units
Select either Airframe or Powerplant:		General Education Area D1 (English 101+)	3
AERO 230, Aircraft Airframe I (Certificate/Major)	15	General Education Area D2 (Math 102 or higher)	4
AERO 240, Aircraft Powerplant I (Certificate/Major)	15	General Education Area E (Additional Breadth)	3
		Elective	3
		Elective	3
Total	15	Total	16

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

Term 3 (Semester: Maximum 19 units, 15 units recommended)	Units	Term 7 (Semester: Maximum 19 units, 15 units recommended)	Units
Select either Airframe or Powerplant:		General Education Area B (Social Science)	3
AERO 231, Aircraft Airframe II (Certificate/Major)	15	General Education Area F (Diversity Studies)	3
AERO 241, Aircraft Powerplant II (Certificate/Major)	15	General Education Area A (Science)	3
		General Education C (Humanities)	3
		Elective	3
Total	15	Total	15

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

General Aircraft Maintenance

Major/Certificate Required Courses:	
AERO 120, Aircraft General I*	7.5
AERO 121, Aircraft General II*	7.5
Program Elective (see below)	3
Summer Only. Can begin with either 120 ot 121	
Total Units Required for the Certificate or Major	18

Program Electives: Select 3 units from the following	
AFAB 110, Intro. Aircraft Structures, Blueprint & Manufacturing Document.	3
AFAB 115, Aircraft Structures	8
AFAB 120, Composites Fabrication and Repair	7
AFAB 130, Aerospace Ethics & Issues	4
AFAB 210, Aircraft Production Systems	4
ELTE 252, Intro. to Avionics	3
ELTE 254, Radio Telephone License	3

Aircraft Airframe

Major/Certificate Required Courses:	
AERO 230, Aircraft Airframe I	15
AERO 231, Aircraft Airframe II	15
Total Units Required for the Certificate or Major	30

Aircraft Powerplant

Major/Certificate Required Courses:	
AERO 240, Aircraft Powerplant I	15
AERO 241, Aircraft Powerplant II	15
Total Units Required for the Certificate or Major	30

Airframe & Powerplant License
Note: The courses below allow eligibility to take the FAA license exam.

AERO 120, Aircraft General I* + AERO 121, Aircraft General II*	15
AERO 230, Aircraft Airframe I + AERO 231, Aircraft Airframe II	30
AERO 240, Aircraft Powerplant I + AERO 241, Aircraft Powerplant II	30
Total Units Required:	75

other requirements for degree

General Education	21-27
Proficiency (See Proficiency Requirements)	*
Electives (Maintenance: 15-21) (Airframe or Powerplant: 3-9)	

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, 6 units for
- 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 21

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

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

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.

Policies continues on the next page……..

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 elective.

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 corequisite.