

# A.S./ Certificate Aeronautical & Aviation Technology Aircraft Airframe & Aircraft Powerplant 24-25



## ABOUT THIS MAJOR

Students who complete the associate degree have enhanced employ ability in the field of aviation maintenance. They have enhanced promotional opportunities into supervisory and management positions as they gain experience with various agencies. The associate degree will also provide students with a broad range of knowledge with which to evaluate and appreciate the physical environment, the culture, and the society in which they live and with the ability to think and communicate clearly and effectively. Except in cases of a prerequisite requirement, it is not required to take courses in exactly this sequence; they are recommended in this order to facilitate success. For more information, visit the [Career and Technical Education](#) division.

### TO EARN A DEGREE A STUDENT MUST COMPLETE THE FOLLOWING:

- [1] Completion of 60-semester units
- [2] Completion of General Education Requirements
- [3] Minimum grade point average of 2.0
- [4] A C or better in all courses required for the major

**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>.

**\*To earn Certificate only:** only the major & program electives courses are required and a must earn a minimum grade point average of 2.0

### AS- Aeronautical & Aviation Technology Aircraft Airframe [Total Units 30]

Required Courses (30 units)	
AERO230 - Aircraft Airframe I (FALL ONLY)	15
AERO231 - Aircraft Airframe II (SPRING ONLY)	15

### AS- Aeronautical & Aviation Technology Aircraft Powerplant [Total Units 30]

Required Courses (30 units)	
AERO240 - Aircraft Powerplant I (FALL ONLY)	15
AERO241 - Aircraft Powerplant II (SPRING ONLY)	15

Airframe & Powerplant License (75 units total) to obtain FAA Airframe & Powerplant license complete the following courses	
AERO120 - Aircraft General I (SUMMER ONLY)	AERO121 - Aircraft General II (SUMMER ONLY)
AERO230 - Aircraft Airframe I (FALL ONLY)	AERO240 - Aircraft Powerplant I (FALL ONLY)
AERO231 - Aircraft Airframe II (SPRING ONLY)	AERO241 - Aircraft Powerplant II (SPRING ONLY)

## RECOMMENDED PATHWAY AS- Aeronautical & Aviation Technology Aircraft Airframe & Airframe Powerplant

The Recommended Plan of Study is determined by the discipline faculty. All **Program Electives** for the Major and **General Education** Courses, Areas A-F, are recommended only. Except for ENGL 101, you can make other selections for this area if you choose ([See back page for options](#)).

- [1] = Courses will fulfill the completion requirements for Major & Gen Ed |
- [R] recommended courses may select other options.
- Electives are courses that count toward your credits for graduation, but not specific to degree of study
- Take classes in Summer or Intersession if needed to complete your degree in a timely manner
- Fall/Spring: Max 19 units, 12-15 units Recommended

TERM 1		
Course		Units
AIRFRAME	POWERPLANT	
AERO 230 (Fall only)	AERO 240 (Fall only)	15
Total Units		15

TERM 2		
Course		Units
AIRFRAME	POWERPLANT	
AERO 231 (Spring only)	AERO 241 (Spring only)	15
Total Units		15

TERM 3		Units
Course		
AVC Gen Ed-Area D1: ENGL 101		3
AVC Gen Ed-Area D2: #COMM 101		3
AVC Gen Ed-Area E: #COMM 107		3
AVC Gen Ed- AREA F : #BUS 212		3
ELECTIVE		3
Total Units		15

TERM 4		Units
Course		
AVC Gen Ed-Area B		3
AVC Gen Ed-Area C: # PHIL 106		3
AVC Gen Ed-Area A: #PHYS 101		4
Elective		3
Total Units		15

COUNSELING NOTE SECTION		
<p><b>Prerequisite:</b> 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)</p>		
<p>AVC 24-25 CATALOG: <a href="#">ACADEMIC POLICIES</a></p>		
<p>INFORMATION and RESOURCES</p>		
Tutoring Assistance	Career Center	AVC Student Health Services
Transfer Center	Office of Students with Disabilities	Palmdale Center
Basic Needs	Financial Aid	Counseling Division

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## 2024-2025 AVC General Education Requirements

Advising Form Effective Fall 2024 - Summer 2025

GE AREA	COMPLETED	IN PROGRESS	NEED	<p>The requirements for an AA or AS degree include the following:</p> <ol style="list-style-type: none"> <li>A minimum of <b>60 semester units</b>; with at least <b>12 semester units completed in residence at AVC</b> for an AA/AS degree (credit earned by examination will not be included in these 12 units); <b>maximum of 12 pass/no-pass credit units</b> can be accepted towards an AA/AS degree.</li> <li>Refer to each individual program for major requirements. <b>All major courses</b> as specified in the AVC catalog <b>must be completed with a grade of "C" or better</b>.</li> <li>An overall grade point average (GPA) of <b>2.0 ("C" average) is required</b>.</li> </ol> <p><b>Double counting:</b> 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><b>Prerequisite:</b> 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. <i>Title 5, Section 55200(d)</i></p> <p><b>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</b></p> <p style="text-align: center;">Legend: ( ) = Newly Approved, <span style="color: #0000FF;">Effective Fall 2024</span></p>
<b>AREA A: NATURAL SCIENCES-Select at least 3 units</b>				
A			ANTH 101, (101H); ASTR 101, (101H); BIOL 100, 101*#, 101L*#, 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 *#BIOL 101 & 101L must be taken concurrently	
<b>AREA B: SOCIAL &amp; BEHAVIORAL SCIENCES-Select at least 3 units</b>				
B			AJ 201, 204, 206; ANTH 102, 103, 110, 112, (112H), 140; BUS 101, 212; CFE 102, 103; COMM 217; DFST 105, 106, 110; ECON 100, 101, (101H), 102, (102H), 110; GEOG 105, 106, 110; HIST 101, 102, 104, 105, 107, (107H), 108, (108H), 110, (110H), 111, (111H), 113, 114, 116, 118, 119; POLS 101, (101H), 103, 200, 201, 202, 203; PSY 101, (101H) 200, 201, 212, 230, 232, 233, 234, 235, 236; SOC 101, (101H), 105, 110, 111, 112, 115, 116, 120, 200	
<b>AREA C: HUMANITIES-Select at least 3 units</b>				
C			ART 100, 101, (101H), 102, 103, 104, 106, 110, 113, 120, 132, 135, 136, 137, 140, 145, 150, 163, 170, 210, 213; CHIN 101, 102, 201, 202; COMM 112, 114, 214, 217, 219; DA 101; DFST 101, 102, 105, 106, 201, 202; ENGL 102, 111, 112, 221, 222, 225, 227, 230, 231, 235, 242, 253, (253H), 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 101, 102, 104, 105, 107, (107H), 108, (108H), 110, (110H), 111, (111H), 113, 115, 118, 119; LATN 101, 102, 201; MUS 101, (101H), 105, (106), (110), 111, 121, 131, 132, 151, 153, 185, 231, 232, 251A, 251B, 253A, 253B; MUSC 102, 103, 107, 108, 109, (109); NF 150; PHIL 105, (105H), 106, 108, 109 (130), (140); PHOT 107; PHTC 101, 150, 201; SPAN 101, 110SS, 102, 201, 202, 210SS, 220SS; THA 101, (101H), 102, 103, 110, 115A, 115B, 116A, 116B, 117A, 117B, 118A, 118B, 121A, 121B, 130, 133, 225, 239, (239H)	
<b>AREA D: LANGUAGE AND RATIONALITY</b>				
Select 3 units from (1) and 3 units from (2). <u>Grade of "C" or better required in Area D1</u>				
D1			<b>D1 Academic Composition:</b> ENGL 101, (101H)	
D2			<b>D2 Communication and Analytical Thinking:</b> BUS 113; CA 103; CS 120, 121, 122, 123; COMM 101, (101H), 107, 109, 112, 114, 115, 201, 217, 219; ENGL 102, (102H), 103, (103H); GEOG 201, 205; MATH 110, 115, (115H), 116, 120, 124, 128, 135, 140, 148, 150, (150H), 160, 220, 230, 250; PHIL 101, 106, 110, 201, (210)	
<b>AREA E: ADDITIONAL BREADTH</b>				
Select 3 units from Areas A, B, C, D2, or E *Courses must be taken from a discipline not previously selected				
E			DA 111; HD 100, 101, 102, 103, 105; HE 101, 120, 201; KINT 100; LIB 107, 110; NF 100, 102, 103, 110 <b>Any DA activity course(s) from DA 102-205, except DA 107A-C, 108, 109, and 111</b> <b>Any Kinesiology Fitness (KINF) activity course, Intercollegiate Athletics (IATH) activity course, or up to 4 units for military experience</b>	
<b>AREA F: DIVERSITY STUDIES-Select 3 units</b>				
F			ANTH 102, 112, (112H); BUS 212; CFE 116; COMM 114, 217, 219; DFST 105, 106; ECON 110; ENGL 250, 253, (253H), 256, 257, 259; ETHN (110), (111), (112), (113), 257EN; FTV 201, 203; HE 201; HIST 110, (110H), 111, (111H), 113; MUSC 107, 108; POLS 202; SOC 105, 110, 116; THA 239, (239H)	