



B.S.-Airframe Manufacturing 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	Term 9 (Semester: Maximum 19 units, 15 units recommended)		Units
AFAB 110, Introduction to Aircraft Structures, Blueprint & Manufacturing Documentation or AERO 121, Aircraft General II		3	BIOL 304+, A Survey of Emerging & Re-emerging Infectious Diseases (CSU GE Area B2)		3
AFAB 130, Aerospace Workplace Issues & Ethics (G.E. C2 local use only)		4	ENGL 315+, Applied Technical Writing (Upper Division GE)		3
COMM 101, Introduction to Public Speaking (CSU GE Area A1)		3	PSCI 302+, Introduction to Quantitative Atmospheric Dynamics & Thermodynamics (Upper Division GE)		3
ENGL 101+, Academic Composition (CSU GE Area A2)		3	PSY 301+, Organizational Behavioral Psychology (Upper Division GE)		3
POLS 101, American Political Institutions (CSU GE Area D)		3			
Some courses may be taken during Intersession	Total	16	Some courses may be taken during Intersession	Total	12
Term 2: (Intersession(6/3)-Summer (9/6) Max./Recommended units)			Term 10: (Intersession(6/3)-Summer (9/6) Max./Recommended units)		
Term 3 (Semester: Maximum 19 units, 15 units recommended)		Units	Term 11 (Semester: Maximum 19 units, 15 units recommended)		Units
AFAB 115+, Aircraft Structures and AFAB 120, Composite Fabrication & Repair or AERO 230, Airframe I		15	AFMT 310+, Safety in Aviation		3
PSY 101, General Psychology (CSU GE Area D)		3	AFMT 320+, Lean Management (Six Sigma & 5S)		3
CSU GE Area C1 or C2 - Arts/Humanities		3	AFMT 330+, Airframe Manufacturing Producibility		3
			AFMT 340+, Theory of Low Observables		3
			ELTE 105, Introduction to Robotics		3
Will need approval for enrolling in 19 units or more	Total	21	Some courses may be taken during Summer session	Total	15
Term 4: (Intersession(6/3)-Summer (9/6) Max./Recommended units)			Term 12: (Intersession(6/3)-Summer (9/6) Max./Recommended units)		
Term 5 (Semester: Maximum 19 units, 15 units recommended)		Units	Term 13 (Semester: Maximum 19 units, 15 units recommended)		Units
AFAB 210+, Aircraft Production Systems		4	AFMT 341+, Manufacturing Testing & Inspection		6
MATH 135+, Plane Trigonometry (CSU GE Area B4)		3	AFMT 345+, Airframe Composite Manufacturing I		6
PHYS 101, Introductory Physics (CSU GE Area B1)		4	AFMT 350+, Airframe Manufacturing Capstone I		2
CSU GE Area C1 - Arts		3			
Some courses may be taken during Intersession, check schedule	Total	14		Total	14
Term 6: (Intersession(6/3)-Summer (9/6) Max./Recommended units)			Term 14: (Intersession(6/3)-Summer (9/6) Max./Recommended units)		
Term 7 (Semester: Maximum 19 units, 15 units recommended)		Units	Term 15 (Semester: Maximum 19 units, 15 units recommended)		Units
CHEM 101+, Introductory Chemistry		5	ENGR 140+, Engineering 3-D Graphics		3
ENGL 115+, Introduction to Technical Communication (Locally Approved GE Area A3)		3	AFMT 442+, Foreign Object Elimination (FOE) and Migration Paths		3
HIST 107 or 108 or 110 or 111 US or African American (CSU GE Area D)		3	AFMT 446+, Airframe Composite Manufacturing II		6
CSU GE Area E - Life Learning and Self-Development		3	AFMT 451+, Airframe Manufacturing Capstone II		4
Some courses may be taken during Summer session	Total	14		Total	16
Term 8: (Intersession(6/3)-Summer (9/6) Max./Recommended units)			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.

Program Pre-requisites: (Substitution Options on back)				
AFAB 110, Introduction to Aircraft Structures, Blueprint and Manufacturing Documentation or AERO 121, Aircraft General II	3	AFAB 210+, Aircraft Production Systems		4
AFAB 115+, Aircraft Structures and AFAB 120, Composite Fabrication & Repair or AERO 230, Airframe I	15	AFMT 310+, Safety in Aviation		3
AFAB 130, Aerospace Ethics and Issues	4	AFMT 320+, Lean Management (Six Sigma & 5S)		3
AFAB 210+, Aircraft Production Systems	4	AFMT 330+, Airframe Manufacturing Producibility		3
CHEM 101+, Introductory Chemistry	5	AFMT 340+, Theory of Low Observables		3
COMM 101, Introduction to Public Speaking	3	AFMT 341+, Manufacturing Testing & Inspection		6
ENGL 101+, Academic Composition	3	AFMT 345+, Airframe Composite Manufacturing I		6
ENGL 115+, Introduction to Technical Communication	3	AFMT 350+, Airframe Manufacturing Capstone I		2
PSY 101, General Psychology	3	AFMT 442+, Foreign Object Elimination (FOE) and Migration Paths		3
PHYS 101, Introductory Physics	4	AFMT 446+, Airframe Composite Manufacturing II		6
MATH 135+, Plane Trigonometry	3	AFMT 451+, Airframe Manufacturing Capstone II		4
Required Courses:		BIOL 304+, A Survey of Emerging and Re-emerging Infectious Diseases (CSU GE Area B2)		3
AFAB 110, Introduction to Aircraft Structures, Blueprint and Manufacturing Documentation or AERO 121, Aircraft General II	3	CHEM 101+, Introductory Chemistry		5
AFAB 115+, Aircraft Structures and AFAB 120, Composite Fabrication & Repair or AERO 230, Airframe I	15	COMM 101, Introduction to Public Speaking		3
AFAB 130, Aerospace Ethics and Issues	4	ELTE 105, Introduction to Robotics		3
		ENGL 101+, Academic Composition (CSU GE Area A2)		3
		ENGL 115+, Introduction to Technical Writing (Locally Approved GE A3)		3
		ENGL 315+, Applied Technical Writing (Locally Approved Upper Division)		3
		ENGR 140+, Engineering 3-D Graphics		3
				3

For an educational plan, please consult with a counselor. To obtain counseling services please call: (661) 722-6338. Antelope Valley College's website: www.avc.edu.

To contact the Technical Education Division, please call: 661-722-6300 ext. 6327

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HIST 107: US History 1607-1877 or HIST 108: US History 1607-1877 or HIST 110: African American History 1450-1877 or HIST 111: African American History 1877-Present (CSU GE Area D)	3
MATH 135+, Plane Trigonometry (CSU GE Area B4)	3
PHYS 101, Introductory Physics (CSU GE Area B1)	3
POLS 101, American Political Institutions (CSU GE Area D)	3
PSCI 302+, Introduction to Quantitative Atmospheric Dynamics and Thermodynamics (Upper Division GE)	3
PSY 101, General Psychology (CSU GE Area D)	3
PSY 301+, Organizational Behavioral Psychology (Upper Division CSU GE Area E, Lifelong Learning & Self-Dev.	3
CSU GE Area A3, Critical Thinking	3
CSU GE Area C1, C2, C1/C2	9

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.

Total Units Required for Major:	122-128.5
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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 "CSU" at the end of a course description can be used as an elective for a CSU transfer and a "UC" designation for a UC school. An "AVC" designation 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.

Secondary Entry Point to the AFMT Bachelor's Degree Program Via AERO Courses - Allowable Substitutions (C or better):

1. Substitutions for AFAB 130 & 210: Completion of the General Aircraft Maintenance Certificate: AERO 120, 121, and 3 Program Elective units AND the Aircraft Airframe Certificate: AERO 230 & 231.

2. Substitutions for AFAB 110, 115, 120, 130, & 210: Completion of AERO 120, 121, 230, 231, 240, 241, AND have obtained an FAA license.

All substitution requests should be submitted through the regular process.