



B.S.-Airframe Manufacturing Technology 23-24

Recommended Plan of Study - Counseling

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

LOWER DIVISION UPPER DIVISION

Term 1 (Fall/Spring: Max. 19 units, 12-15 u. recommended)	Units	Term 5 (Fall/Spring: Max. 19 units, 12-15 u. 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 Ethics & Issues (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	Total	12
Term 2 (Fall/Spring: Max. 19 units, 12-15 u. recommended)	Units	Term 6 (Fall/Spring: Max. 19 units, 12-15 u. recommended)	Units
AFAB 115+, Aircraft Structures and AFAB 120, Composite Fabrication & Repair or AERO 230, Airframe I	15	AFMT 310+, Safety in Aviation	3
MATH 135+, Plane Trigonometry (CSU GE Area B4)	3	AFMT 320+, Lean Management (Six Sigma & 5S)	3
PSY 101, General Psychology (CSU GE Area D)	3	AFMT 330+, Airframe Manufacturing Producibility	3
(Summer: Max. 15 units, 12 units recommended)	Total	ELTE 105, Introduction to Robotics	3
	21	ENGR 140+, Engineering 3-D Graphics	3
Term 3 (Fall/Spring: Max. 19 units, 12-15 u. recommended)	Units	Term 7 (Fall/Spring: Max. 19 units, 12-15 u. recommended)	Units
AFAB 210+, Aircraft Production Systems	4	(Summer: Max. 15 units, 12 units recommended)	Total
PHYS 101, Introductory Physics (CSU GE Area B1)	4		15
CSU GE Area C1 or C2 - Arts/Humanities (Diversity AS. G.E.)	3	Term 8 (Fall/Spring: Max. 19 units, 12-15 u. recommended)	Units
CSU GE Area C1 - Arts	3	AFMT 340+, Theory of Low Observables	3
Total	14	AFMT 341+, Manufacturing Testing & Inspection	6
Term 4 (Fall/Spring: Max. 19 units, 12-15 u. recommended)	Units	AFMT 345+, Airframe Composite Manufacturing I	6
CHEM 101+, Introductory Chemistry	5	AFMT 350+, Airframe Manufacturing Capstone I	2
ENGL 115+, Intro. to Technical Communication (Locally Approved GE)	3	Total	17
HIST 107 or 108 or 110 or 111 US or African American (CSU GE Area D)	3	Term 8 (Fall/Spring: Max. 19 units, 12-15 u. recommended)	Units
CSU GE Area E - Life Learning and Self-Development	3	AFMT 442+, Foreign Object Elimination (FOE) and Migration Paths	3
Total	14	AFMT 446+, Airframe Composite Manufacturing II	6
		AFMT 451+, Airframe Manufacturing Capstone II	4
		Total	13
GRADUATE			

Take Summer 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. Online Counseling is available: <https://www.avc.edu/student-services/counseling>

Minimum Eligibility Requirements: (Substitution Options on back)	
1. Completion of the Aircraft Fabrication & Assembly Technician (AFAB) associate degree/course sequence or noted equivalent Aeronautical and Aviation Technology courses and AFAB 130 and AFAB 210.	BIOL 304+, A Survey of Emerging and Re-emerging Infectious Diseases (CSU GE Area B2) 3
2. Completion of the general education requirements for the CSU system, including:	ELTE 105, Introduction to Robotics 3
CHEM 101+, Introductory Chemistry 5	ENGL 315+, Applied Technical Writing (Locally Approved Upper Division) 3
COMM 101, Introduction to Public Speaking (CSU GE Area A1) 3	ENGR 140+, Engineering 3-D Graphics 3
ENGL 101+, Academic Composition (CSU GE Area A2) 3	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
ENGL 115+, Introduction to Technical Communication (Locally Approved) 3	POLS 101, American Political Institutions (CSU GE Area D) 3
PSY 101, General Psychology (CSU GE Area D) 3	PSCI 302+, Introduction to Quantitative Atmospheric Thermodynamics (Upper Division GE) 3
PHYS 101, Introductory Physics (CSU GE Area B1) 4	PSY 301+, Organizational Behavioral Psychology (Upper Division GE) 3
MATH 135+, Plane Trigonometry (CSU GE Area B4) 3	CSU GE Area E, Lifelong Learning & Self-Dev. 3
Required Courses:	CSU GE Area C1, C2, C1/C2 6
AFAB 110, Introduction to Aircraft Structures, Blueprint and Manufacturing Documentation or AERO 121, Aircraft General 3	Total Units Required for Major: 122 - 126.5
AFAB 115+, Aircraft Structures and AFAB 120, Composite Fabrication and Repair or AERO 230, Airframe I 15	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 elective for AVC.
AFAB 130, Aerospace Ethics and Issues (Locally Approved G.E.) 4	
AFAB 210+, Aircraft Production Systems 4	
AFMT 310+, Safety in Aviation 3	
AFMT 320+, Lean Management (Six Sigma & 5S) 3	
AFMT 330+, Airframe Manufacturing Producibility 3	
AFMT 340+, Theory of Low Observables 3	
AFMT 341+, Manufacturing Testing & Inspection 6	
AFMT 345+, Airframe Composite Manufacturing I 6	
AFMT 350+, Airframe Manufacturing Capstone I 2	
AFMT 442+, Foreign Object Elimination (FOE) and Migration Paths 3	
AFMT 446+, Airframe Composite Manufacturing II 6	
AFMT 451+, Airframe Manufacturing Capstone II 4	
	Grade Point Average Requirement: An overall grade point average of 2.0 ("C" average) is required.

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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.

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.