

AIRFRAME, ASSOCIATE IN SCIENCE DEGREE

Financial Aid Eligible
Banner Code: 1_AS_AMAF
Control Number: 08625

This program provides training for the student who desires to be an Airframe Technician. The training received enables the technician to return to service an airplane, related part, and appliance after performing, supervising or inspecting its maintenance or alterations. This Certificate of Achievement can be acquired in two semesters, one intersession, and one summer school session.

This certificate would enable students to achieve employment at local aircraft manufacturing and repair facilities.

Complete the Airframe Certificate of Achievement and the Associate in Science graduation requirements as outlined in the Graduation Requirements section of the catalog.

Program Outcomes

1. Have the necessary skills and training for proficiency in taking written, oral and practical exams for AIRFRAME certification which may be required for employment.
2. Be able to improve or develop additional proficiencies required for professional growth or advancement in their current employment. All qualification training and tests are prescribed and follow the guide of the Federal Aviation.

Associate in Science Degree Requirements

1. **UNIT REQUIREMENT** - 60 UNITS, with at least a 2.0 grade point average. At least 12 of the units must be earned at OCC, with a minimum of one course taken for a letter grade. At least 3 units in an advanced course from the program must be completed at OCC. A student must be enrolled at the time of application for graduation. Units earned at an accredited college or university on a credit/no credit basis will be counted toward the degree requirements of the college, to a maximum of 15 units.
2. **MAJOR REQUIREMENT** - Complete the AA or AS major requirements as detailed in the Degree and Certificate section of this catalog.
3. **MATHEMATICS REQUIREMENT** - Demonstrate competence in mathematics by either obtaining a satisfactory grade (grade of "C" or better or "pass") in a mathematics course at or above the level of Intermediate Algebra as demonstrated by prior coursework, or by demonstrating competency that is comparable through the completion of a college-level math course that has Intermediate Algebra as a prerequisite: Psychology A160 or Math A100 or higher, with the exception of Math A220.
4. **GENERAL EDUCATION REQUIREMENT** - Students may choose to complete Option 1 (OCC AA GE) (<https://catalog.cccd.edu/orange-coast/general-education-patterns/associate-arts-general-education-option-1/>), Option 1 (OCC AS GE) (<https://catalog.cccd.edu/orange-coast/pathways/industrial-technology/aviation-maintenance-technology/airframe-associate-science-degree/orange-coast/general-education-patterns/associate-science-general-education-option-1/>), Option 2 (CSU GE) ([\[education-patterns/associate-degree-general-education-option-2/\]\(https://catalog.cccd.edu/orange-coast/general-education-patterns/associate-degree-general-education-option-2/\)\), or Option 3 \(IGETC \(<https://catalog.cccd.edu/orange-coast/general-education-patterns/associate-degree-general-education-option-3/>\)\) to satisfy the general education requirement. See the General Education Patterns section of this catalog for more information.](https://catalog.cccd.edu/orange-coast/general-

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Course	Title	Units
Year 1		
Fall		
AMT A150	General Maintenance Records - FAA	4
AMT A151	General Electricity - FAA	3
AMT A152	General Airframe & Powerplant Fuel Systems - FAA	2
AMT A153	General Materials, Processes & Welding - FAA	3
AMT A154	General Weight & Balance, Math & Physics - FAA	3
Units		15
Spring		
AMT A160	Airframe & Powerplant Electricity - FAA	6
AMT A180	Airframe and Powerplant Instrumentation FAA	2.5
AMT A161	Airframe Sheet Metal & Composite Structural Repair - FAA	5.5
AMT A162	Airframe Assembly & Rigging, Pneumatics & Environmental Control Systems - FAA	3
AMT A181	Airframe Communication and Navigation Systems - FAA	2
AMT A155	General Blueprint Reading & Drafting - FAA	2
Units		21
Summer		
AMT A163	Airframe Hydraulics and Landing Gear - FAA	4.5
Units		4.5
Total Units		40.5

Program approved by the Federal Aviation Administration (FAA).

Completion of the above enables the student to take the FAA Airframe written examination.

Requirement	Units
Program Major Units	40.5
AS General Education Option 1, 2, or 3	Varies
Transferable electives to satisfy unit requirement	Varies
Total Degree Units	60