

AIRFRAME, CERTIFICATE OF ACHIEVEMENT

Banner Code: 1_CT_AMAF
Financial Aid Eligible

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.

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.

Review Graduation Requirements (<https://catalog.cccd.edu/orange-coast/graduation-requirements/certificates/#achievementtext>).

Course	Title	Units
Required Courses		
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
AMT A155	General Blueprint Reading & Drafting - FAA	2
AMT A160	Airframe & Powerplant Electricity - FAA	6
AMT A161	Airframe Sheet Metal & Composite Structural Repair - FAA	5.5
AMT A162	Airframe Assembly & Rigging, Pneumatics & Environmental Control Systems - FAA	3
AMT A163	Airframe Hydraulics and Landing Gear - FAA	4.5
AMT A180	Airframe and Powerplant Instrumentation - FAA	2.5
AMT A181	Airframe Communication and Navigation Systems - FAA	2
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.

Program Sequence

These sequences at Orange Coast College are curriculum maps for students to finish all requirements for the certificate. There may be advisories, prerequisites, or time requirements that students need to consider before following these maps. **Students are advised to meet with an Orange Coast College Counselor for alternate sequencing.**

Some courses in this program may be offered once per academic year.

Course	Title	Units
Year 1		
Semester 1		
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
Semester 2		
AMT A160	Airframe & Powerplant Electricity - FAA	6
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
Units		16.5
Intersession		
AMT A180	Airframe and Powerplant Instrumentation - FAA	2.5
AMT A155	General Blueprint Reading & Drafting - FAA	2
Units		4.5
Summer		
AMT A163	Airframe Hydraulics and Landing Gear - FAA	4.5
Units		4.5
Total Units		40.5