



Airframe Maintenance Technology C.A.

Curriculum Code: 1036

Effective: Fall 2020 – Summer 2025

Description

This certificate of achievement enables a non-licensed individual to expand their knowledge of airframe maintenance practices used to maintain aircraft in accordance with the Title 14 Code of Federal Aviation Regulations. While enrolled in this program, students will learn the basic science and technical knowledge necessary to repair and maintain modern aerospace vehicle airframes. Graduates will have demonstrated technical abilities in flight control rigging and adjustment, airframe structural repair, hydraulic and pneumatic systems inspection and repair, flight control operation, fuel system maintenance and repair, airframe electrical system diagnosis and repair, and airframe inspections. Completion of this certificate may be applied to the Airframe and Powerplant License provided the student meets the requirements of the Federal Aviation Regulation Part 147.

Contact Information

Contact the Aviation Technology Program at the Mason-Jewett Field, 655 Aviation Drive, Mason, telephone number 517-483-1406.

Program of Study Required Courses

Course Code	Course Title	Credit / Billing Hours
AVAF 125	Aircraft Systems I	2 / 2.75
AVAF 126	Aircraft Systems II	6 / 8.25
AVAF 127	Aircraft Systems III	3 / 4
AVAF 134	Aircraft Instruments	2 / 2.75
AVAF 140	Aircraft Welding	2 / 3
AVAF 208	Aircraft Structures I	4 / 5.5
AVAF 209	Aircraft Structures II	4 / 5.75
AVAF 210	Aircraft Structures III	4 / 6
AVAF 211	Aircraft Electrical I	4 / 5.75
AVAF 212	Aircraft Electrical II	4 / 5.75
AVAF 246	Airframe Certification	1 / 1.5
AVEL 202	Flight Line Testing	3 / 4

Total Credit Hours

39 credits / 55 billing hours

Recommended Course Sequence

Semester I (Spring)	Semester II (Summer)
AVAF 125 AVAF 126 AVAF 140 AVAF 208 AVAF 211	AVAF 127 AVAF 134 AVAF 212

Semester III (Fall)
AVAF 209 AVAF 210 AVAF 246 AVEL 202