

LANSING COMMUNITY COLLEGE

Computer, Engineering/Manufacturing Industrial Technologies

**Curriculum Code: 1036
(Effective Fall 2018 –
Summer 2023)**

Airframe Maintenance Technology, C.A. Pathway

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.

For More Information

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

Semester I Spring	Course Title	Prerequisites	Credit/Billing Hours
Program of Study Requirements			
AVAF 125	Aircraft Systems I	Department Approval	2 / 2.75
AVAF 126	Aircraft Systems II	Department Approval	6 / 8.25
AVAF 140	Aircraft Welding	Department Approval	2 / 3
AVAF 208	Aircraft Structures I	Department Approval	4 / 5.5
AVAF 211	Aircraft Electrical I	Department Approval	4 / 5.75
Credits			18 / 25.25
Semester II Summer	Course Title	Prerequisites	Credit/Billing Hours
Program of Study Requirements			
AVAF 127	Aircraft Systems III	Department Approval	3 / 4
AVAF 134	Aircraft Instruments	Department Approval	2 / 2.75
AVAF 212	Aircraft Electrical II	Department Approval	4 / 5.75
Credits			9 / 12.5

Semester III Fall	Course Title	Prerequisites	Credit/Billing Hours
Program of Study Requirements			
AVAF 209	Aircraft Structures II	Department Approval	4 / 5.75
AVAF 210	Aircraft Structures III	Department Approval	4 / 6
AVAF 246	Airframe Certification	Department Approval	1 / 1.5
AVEL 202	Flight Line Testing	Department Approval	3 / 4
Credits			12 / 17.25
Total Credits			39 / 55