

# LANSING COMMUNITY COLLEGE

## CURRICULUM GUIDE

Airframe Maintenance Technology  
Certificate of Achievement

Curriculum Code: 1036 (Effective Fall 2016 – Summer 2021)

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.

### PREREQUISITES

Students should see [Course Descriptions](#) for course prerequisite information. See [Academic Assessment and Placement Testing for Student Success](#) for skills assessment and advising information.

### INFORMATION

Contact the Aviation Maintenance Technology Program at Mason-Jewett Field, 655 Aviation Drive, Mason, MI 48854, telephone number (517) 483-1406 (Website: [www.lcc.edu/transportation/aviation\\_maintenance/](http://www.lcc.edu/transportation/aviation_maintenance/)) or the Transportation Maintenance Technologies Program, West Campus Building, Room M103, telephone number (517) 267-6406.

### REQUIREMENTS

CODE	TITLE	TOTAL: 39 CREDITS CREDIT HOURS
AVAF 125	Aircraft Systems I	2
AVAF 126	Aircraft Systems II	6
AVAF 127	Aircraft Systems III	3
AVAF 134	Aircraft Instruments	2
AVAF 208	Aircraft Structures I	4
AVAF 209	Aircraft Structures II	4
AVAF 210	Aircraft Structures III	4
AVAF 211	Aircraft Electrical I	4
AVAF 212	Aircraft Electrical II	4

AVAF 246	Airframe Certification	1
AVEL 202	Flight Line Testing	3
WELD 210	Aircraft Welding	2
<b>MINIMUM TOTAL</b>		<b>39</b>

**NOTES:**

1. In accordance with Federal Aviation Regulation Part 147, completing the aforementioned curriculum does not constitute approval to take the Federal Aviation Administration Airframe or Powerplant Mechanic written, oral, and practical license exams. The FAA approved training director must review individual student enrollment, course records, and certification course testing results before considering each student for certification approval. Students are required to meet Federal Aviation Regulations Part 147 training requirements to be eligible for certification. Students will be required to complete each certification course with a minimum grade of 71 percent and pass pre-tests for General and Airframe with a minimum grade of 80 percent to be considered for the Federal Aviation Administration written tests. To obtain FAA certification approval, students will be required to complete additional coursework.
2. Students must complete each course with a minimum grade of 71 percent to receive the Lansing Community College certificate of achievement.

**SUGGESTED COURSE SEQUENCE**

Students should see course descriptions to find out when departments plan to offer courses. Students who for any reason are unable to follow the course sequence suggested below (for example, those who are part-time, have transferred in courses from another school, or have prerequisites to fulfill) should contact an academic advisor for help with adjustments.

<b>I – Spring</b>	<b>II – Summer</b>	<b>III – Fall</b>
AVAF 125	AVAF 127	AVAF 209
AVAF 126	AVAF 134	AVAF 210
AVAF 208	AVAF 212	AVAF 246
AVAF 211		AVEL 202
		WELD 210