

# LANSING COMMUNITY COLLEGE

## CURRICULUM GUIDE

### Airframe Maintenance Technology Certificate of Achievement

Curriculum Code: 1036 (Effective Fall 2007 – Summer 2012)

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* or *Course Offerings* for course prerequisite information. See the *Assessment and Placement Testing* section for skills assessment and advising information.

#### INFORMATION

Contact the Aviation Program at the LCC Aviation Center, 3428 W. Hangar Drive, Lansing, MI 48906, Room 109, telephone number (517) 483-1406 or the Transportation Technologies Department, West Campus Building, Room M103, telephone number (517) 267-5880 (Website: <http://www.lcc.edu/transportation/aviation/>).

#### REQUIREMENTS

CODE	TITLE	TOTAL: 38 CREDITS CREDIT HOURS
AVAF125	Aircraft Systems I	2
AVAF126	Aircraft Systems II	6
AVAF127	Aircraft Systems III	3
AVAF134	Aircraft Instruments	2
AVAF208	Aircraft Structures I	4
AVAF209	Aircraft Structures II	4
AVAF210	Aircraft Structures III	4
AVAF211	Aircraft Electrical I	4
AVAF212	Aircraft Electrical II	4
AVAF246	National Airframe Certif Procedures	1
AVEL200	Flight Line Testing	2
WELD210	Aircraft Welding	2
	<b>MINIMUM TOTAL</b>	<b>38</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 or counselor for help with adjustments.

I	II	III
AVAF125	AVAF127	AVAF210
AVAF126	AVAF134	AVAF212
AVAF208	AVAF209	AVAF246
AVAF211	WELD210	AVEL200