

LANSING COMMUNITY COLLEGE

CURRICULUM GUIDE

Basic Aviation Technology
Certificate of Completion

Curriculum Code: 1037 (Effective Fall 2009 – Summer 2014)

This certificate of completion enables a non-licensed individual to develop the knowledge and understanding of basic aviation 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 vehicles. Graduates will have demonstrated technical abilities in aircraft ground handling and servicing, aircraft fueling procedures, parking and mooring, equipment nomenclature and identification, unapproved parts identification, and airport operations. 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 and Engineering Technologies Department, West Campus Building, Room M103, telephone number (517) 267-6406.

REQUIREMENTS

| CODE | TITLE | TOTAL: 19 CREDITS CREDIT HOURS |
|----------------------|-------------------------|-----------------------------------|
| AVGM 111 | Aviation General I | 4 |
| AVGM 112 | Aviation General II | 6 |
| AVGM 113 | Aviation General III | 4 |
| AVGM 114 | Materials and Processes | 5 |
| MINIMUM TOTAL | | 19 |

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

AVGM 111

AVGM 112

AVGM 113

AVGM 114