

LANSING COMMUNITY COLLEGE

CURRICULUM GUIDE

Avionics Flightline Maintenance
Associate in Applied Science Degree

Curriculum Code: 1046 (Effective Fall 2007 – Summer 2012)

Aviation electronics (avionics) is the application of electronics to aviation. Avionics technicians install, troubleshoot, and service complex communication, navigation, radar, autopilot, and related electronic systems. The avionics flightline work environment is fast paced, well organized, and dictated by the airline flight schedule. Students will find employment opportunities in airlines, airports, aircraft manufacturers, and government agencies. In addition, LCC offers on-site testing for the FCC General Radiotelephone Operator License. New students do not need any special skills to begin the Avionics Flightline Maintenance Program. **Not all courses in this program transfer to all colleges.** Students planning to transfer should see an academic advisor or counselor before enrolling in any course.

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 102, 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: 64 CREDITS CREDIT HOURS
AVAF134	Aircraft Instruments	2
AVAF208	Aircraft Structures I	4
AVAF209	Aircraft Structures II	4
AVAF211	Aircraft Electrical I	4
AVEL200	Flight Line Testing	2
AVEL201	Flight Line Testing Lab	1
AVEL203	Avionics Systems Interconnect I	3
AVEL211	Avionics Systems Interconnect II	3
AVEL223	Adv Avionics Training & Troubleshooting	5
AVEL227	Advanced Avionics Systems	2
AVGM111	Aviation General I	4
AVGM112	Aviation General II	6
AVGM113	Aviation General III	4
CITS170	Basic Electronics for PC Repair	6
MATH114	Technical Math I	4
MATH115	Technical Math II	4
SPCH110	Oral Communication in the Workplace	3
WRIT124	Technical Writing	3

LIMITED CHOICE REQUIREMENTS**TOTAL: 7-9 CREDITS**Complete the indicated number of credits from **EACH CHOICE** listed below.**CHOICE 1: General Education Core Areas****7-9 Credits**(See *General Education Core Requirements* for information on how to fulfill these requirements.)

Core area proficiency exams, where appropriate, are available for each core area.)

Communication Core Area (See Note 1)	0
Global Perspectives and Diversity Core Area	3-4
Mathematics Core Area (See Note 1)	0
Science Core Area	4-5
Writing Core Area (See Note 1)	0

MINIMUM TOTAL	71
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NOTES:

1. Students completing "REQUIREMENTS" have fulfilled the requirements for this Core area.
2. Students must complete all courses with a minimum grade of 2.0 to receive the LCC Associate Degree.

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	IV
AVGM111	AVAF208	AVAF134	AVAF209
AVGM112	AVAF211	AVEL200	AVEL227
AVGM113	AVEL203	AVEL201	CITS170
SPCH110	MATH114	AVEL211	MATH115
WRIT124	Lim.Ch.	AVEL223	Lim.Ch.