

# LANSING COMMUNITY COLLEGE

## CURRICULUM GUIDE

### Avionics Flightline Technician Certificate of Completion

Curriculum Code: 1291 (Effective Fall 2007 – Summer 2012)

Aviation electronics, or Avionics, involves the application of electronics to aviation. In this certificate program, future Avionics technicians troubleshoot, maintain and install systems connected to navigation, communication and other critical electrical, electronic and ancillary systems required to keep aircraft flying safely. Focusing on advanced electronic theory and testing of avionics systems on aircraft and in the lab, the program culminates with on-site Federal Communications Commission (FCC) licensing preparation and optional testing. Designed for both future and current field Airframe & Powerplant Technicians and recent graduates of approved A&P programs.

#### 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: 16 CREDITS CREDIT HOURS
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
<b>MINIMUM TOTAL</b>		<b>16</b>

#### 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
AVEL200	AVEL211
AVEL201	AVEL223
AVEL203	AVEL227