

LANSING COMMUNITY COLLEGE

CURRICULUM GUIDE

Avionics Flightline Technician Certificate of Completion

Curriculum Code: 1291 (Effective Fall 2009 – Summer 2014)

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 and Engineering Technologies Department, West Campus Building, Room M103, telephone number (517) 267-6406.

REQUIREMENTS

CODE	TITLE	TOTAL: 16 CREDITS CREDIT HOURS
AVEL 200	Flight Line Testing	2
AVEL 201	Flight Line Testing Lab	1
AVEL 203	Avionics System Interconnect I	3
AVEL 211	Avionics Sys Interconnect II	3
AVEL 223	Adv Avionics Trng/Troubleshoot	5
AVEL 227	Advanced Avionics Systems	2
MINIMUM TOTAL		16

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
AVEL 200	AVEL 211
AVEL 201	AVEL 223
AVEL 203	AVEL 227