

LANSING COMMUNITY COLLEGE

CURRICULUM GUIDE

Avionics Installation
Certificate of Completion

Curriculum Code: 0847 (Effective Fall 2005 – Summer 2010)

Aviation electronics (avionics) is the application of electronics to aviation. This program is designed for students who are interested in installing and testing complex communication, navigation, radar and autopilot equipment in aircraft. Employment opportunities are at airports that have avionics sales and service facilities, airlines and aircraft manufacturers.

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.

REQUIREMENTS

CODE	TITLE	TOTAL: 27 CREDITS CREDIT HOURS
AVAF130	Avionics Airframe Applications	2
AVAF134	Aircraft Instruments	2
AVAF211	Aircraft Electrical I	4
AVEL150	Avionics Test Equipment	2
AVEL151	Avionics Test Equipment Lab	1
AVEL200	Flight Line Testing	2
AVEL201	Flight Line Testing Lab	1
AVEL297	Avionics Internship	2
AVGM111	Aviation General I	4
AVGM113	Aviation General III	4
ELTE126	Digital Basics	3
MINIMUM TOTAL		27

NOTE:

1. Although students do not need any special skills to start the Avionics Certificate Program, they should be aware that color blindness may cause them difficulty because various electronic components are color coded.

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
AVAF130	AVAF211	AVEL200
AVAF134	AVEL150	AVEL201
AVGM111	AVEL151	AVEL297
AVGM113	ELTE126	