

2007-08 Catalog: Programs of Study

Avionics (Avionics Technician) (5900)

Workforce Certificate

A selective admission program

This program provides you with the skills necessary to install and repair avionics systems in commercial and general aviation aircraft. The aviation industry has indicated that it needs highly-skilled technicians who possess the knowledge of installing, repairing and testing avionics equipment and avionics systems. This course is designed as a study of the troubleshooting, repair and installation processes of modern avionics systems, such as VHF communications and navigation, Global Positioning Systems, radar, display systems, autopilots and others. Students will receive hands-on experience in the repair and installation of avionics systems, fabrication of electrical harnesses, and testing of systems after installation. After completion of this program of study, students will be prepared for successful completion of the FCC General Radiotelephone Operator's License examination (Elements 1, 3 and 8).

Certification and Licensing

After completion of this program of study, students will be prepared for successful completion of the **FCC General Radiotelephone Operator's License** examination.

Prerequisites

Requirements for entrance into the program include:

- Completion of Airframe and Powerplant training or FAA A&P Certificate, *or*
- Previous electronics training,* *or*
- Previous documented avionics industry work experience, *or*
- Electronics degree or electronics experience.

*The following Florida Community College courses will provide the necessary electronics competencies: **EEV 0271, EEV 0811, EEV 0812, EEV 0813, EEV 0814, EEV 0815** and **EEV 0816**.

Note

All students are required to take the TABE exams prior to enrolling in this program unless you currently possess an A.A., A.S. or bachelor's degree.

The Test of Adult Basic Education (TABE) is a major criterion in a student's completion of the program. Students who fail to meet the State of Florida's designated exit score will be required to complete the Vocational Preparatory Instruction (VPI). In order to complete the program successfully, students must achieve or surpass the designated exit score(s). See **Standards of Academic Progress**.

For more information regarding testing, call 904.317.3813.

Cost

Estimated cost of tuition is \$1,397 (tuition rated for Florida residents as of 7/06). Contact the program manager for additional costs (textbooks, materials, fees).

Need More Information? Contact:

David Dagenais, Cecil Center South (ACE), 904.317.3821

Lisa Westberry, Cecil Center South (ACE), 904.779.4115

Curriculum

Course Number and Title	Contact Hours	Workforce Credits
AVS 0090 Avionics Fundamentals	180	6.00
AVS 0091 Avionics Installation and Troubleshooting	180	6.00
AVS 0092 Avionics Communication Systems	180	6.00

AVS 0093	Avionics Navigation/Support Systems	180	6.00
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Total Contact Hours		720	24.00
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To request information, contact the Learner Support Center at info@fccj.edu or 904.646.2300.

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