

Avionics Post-Secondary Adult Vocational Certificate Program Code 5299

Program Description: Broward College's Aviation Institute is proud to offer a 720-hour certificate program in **Avionics**. It's a blended course that meets twice weekly on campus and three times a week online. On campus days will be dedicated to NIDA electronics labs, aircraft visits and projects. State-of-the-art NIDA electronics training equipment is utilized for this program. FCC General Radiotelephone Operator (GROL) license and NCATT Aircraft Electronics Technician (AET) testing is available on site. Avionics systems' testing and troubleshooting is accomplished utilizing Boeing 727 aircraft.

Avionics systems are an integral part of aircraft design and have vastly increased aircraft capability. As a result, the growing use of technology in aviation is requiring technicians to spend more time on repairing electronic systems, such as computerized controls. The course content includes, but is not limited to, troubleshooting, repair and installation of airborne radio communications, radio navigation and radar equipment systems in accordance with regulatory and industry standards. Also included is instruction in basic AM and FM transmitters/receivers and avionics equipment. Skills preparation for passing licensing/certification tests required by industry forms an integral part of the curriculum.

These courses are offered in 360 hour blocks and require entry approval by an Aviation Admissions Coordinator or the Associate Dean for Aviation Maintenance Programs prior to enrollment.

Career Pathway: Industry, Manufacturing, Construction & Transportation (IMCT)

Program Entrance Requirements: HS Diploma or GED

There are three optional entry points into this program:

1. Completion of Airframe and/or Power Plant training or Certification.
2. Electronics training to include:

EET1015C	DC Circuits
CET1114C	Digital Techniques
MTB1325	Engineering Tech. Mathematics I
EET1025C	AC circuits
EET1141C	Linear Techniques I
MBT1326	Engineering Tech. Mathematics II
CET1117C	Microprocessors I
3. Previous Industry experience: To be evaluated by the Associate Dean for Aviation Maintenance.

Additional Program Information: Completion of the program is contingent upon student being exempt from, or passing, the Test of Adult Basic Education (TABE) in math, reading and language. The TABE test must be taken within six weeks of enrollment into the general portion of the program. These courses are offered in 400 hour blocks and require entry approval by an Aviation Admissions Coordinator or the Associate Dean for Aviation Maintenance prior to enrollment.

Related Industry Certifications: Obtaining the FCC General Radiotelephone Operator (GROL) license is an integral part of the program. NCATT Aircraft Electronics Technician (AET) License testing is available on site.

Location(s): The program is only offered at the Judson A. Samuels South Campus. Please consult the course schedule for specific semester locations.

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Contact information: Program contact information can be found at
<http://www.broward.edu/academics/programs/aviation/Pages/default.aspx>

Related Programs at Broward College:

Aviation Maintenance Management Associate of Science (2204)
Aircraft Airframe Mechanics Vocational Certificate (5272)
Aircraft Power Plant Vocational Certificate (5273)

Required Courses

BLOCK I

AVS0090C	Avionics Fundamentals	180
AVS0091C	Avionics Installer	180

Total Clock Hours **360**

BLOCK II

AVS0092C	Avionics Communication Systems	180
AVS0093C	Navigation/Support Systems Items	180

Total Clock Hours **360**

Total Program Clock Hours **720**

Notes: Many courses have specific pre-requisite and co-requisite requirements that must be followed. Students are encouraged to consult the Course Information Table for a detailed list of all requisite requirements.

Students are strongly encouraged to meet with an advisor to create an educational plan.