

**AVIATION INSTITUTE**  
**Avionics Vocational Certificate Major Code 5299**

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**Program Description**

Broward College's Aviation Institute is proud to offer a 720 hour (two terms) certificate program in **Avionics**. It's a blended course that meets twice weekly (6:00 to 10:00 p.m.) 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 and FCC testing is available on site. Avionics systems' testing is accomplished utilizing B727 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 an interview with the Aviation Admissions Coordinator or the Aviation Maintenance Associate Dean prior to enrollment.

**Related Programs**

- Professional Pilot Technology Associate in Science Major Code 2107
- Air Traffic Control Associate in Applied Science Major Code A039
- Aviation Operations Associate in Science Major Code 2105 (2105E)‡
- Airport Operations Management Associate in Science Major Code 21051‡
- Airport Management Certificate Major Code 6304

- Aviation Maintenance Management Associate in Science Major Code 2204
- Aviation Maintenance Management Associate in Applied Science Major Code A005
- Aircraft Airframe Mechanics Vocational Certificate Major Code 5272
- Aircraft Power Plant Mechanics Vocational Certificate Major Code 5273

*‡ Students can earn a degree from 2105 (2105E) or 21051, but not from both of these programs.*

There are three optional entry points into this program:

1. Completion of Airframe and Powerplant training or Certification.
2. Electronics training to include:
  - EET 1015C DC Circuits
  - CET 1114C Digital Techniques
  - MTB 1325 Engineering Tech. Mathematics I
  - EET 1025C AC circuits
  - EET 1141C Linear Techniques I
  - MBT 1326 Engineering Tech. Mathematics II
  - CET 1117C Microprocessors I
3. Previous Industry experience: To be evaluated by the Aviation Maintenance Associate Dean.

**Other Entrance Requirements**

- HS Diploma or GED
  - TABE‡
- ‡ The TABE test, or Test of Adult Basic Education, is used to demonstrate the level of basic education in English and Math require by the program. The TABE test must be (first) taken prior to the end of the sixth week of the program and student must successfully complete the TABE test in order to graduate. See the College catalog for more details.

<b>Block I</b>		
AVS 0090C	Avionics Fundamentals	180
AVS 0091C	Avionics Installer	180
<b>Total Clock Hours</b>		<b>360</b>
<b>Block II</b>		
AVS 0092C	Avionics Communication Systems	180
AVS 0093C	Navigation/Support Systems Items	180
<b>Total Clock Hours</b>		<b>360</b>
<b>*Program Clock Hours</b>		<b>720</b>

**It is strongly recommended that students see an academic advisor or counselor every term.**

NOTE: Total clock hours awarded for either of the three entry points is 1400 clock hours toward the total requirements of the 2120 clock hour PSAV certificate in Avionics.