



AVIONICS, ASSOCIATE OF SCIENCE

Program Code: 2210

Career Pathway: Industry, Manufacturing, Construction & Transportation

Location(s): General education courses are available at all BC locations. Program specific courses for this program are offered at the Judson A. Samuels South Campus. (<https://www.broward.edu/about/locations/>)

Program Entrance Requirements: HS Diploma or GED.

Program Description: This program prepares students to pursue careers as avionics technicians, installing and repairing communication and navigation radios in a wide variety of aviation applications. Graduates may work for OEMs, airlines, independent repair facilities, or other related jobs, and may hold supervisory positions within their company. Visit the program's website (<http://www.broward.edu/academics/programs/aviation/Pages/default.aspx>) for more information.

- Avionics Technician, Technical Certificate 6354
- Avionics, Associate of Science 2210
- Bachelor of Science

Course	Title	Credits	6354
AMT1070C	MATHEMATICS FOR AVIATION	1.00	X
AMT1001C	BASIC ELECTRICITY	2.00	X
AMT1090C	BASIC PHYSICS	1.00	
AMT1011C	AIRCRAFT DRAWINGS	1.00	X
AMT1050C	GROUND OPERATIONS AND SERVICING	1.00	
AMT1081C	FAR'S, FORMS, PRIVILEGES, & HUMAN FACTORS	1.00	X
AMT1041C	MATERIALS AND PROCESSES	2.00	X
AMT1031C	FLUID LINES AND FITTINGS	1.00	
AMT1021C	WEIGHT AND BALANCE	1.00	X
AMT1060C	CLEANING AND CORROSION CONTROL	1.00	X
AVS1010	INTRODUCTION TO AVIONICS	3.00	X
AMT1261C	AVIONICS LINE MAINTENANCE FUNDAMENTALS	3.00	X
CGS1060C	COMPUTER AND INTERNET LITERACY ¹	3.00	
AMT2262C	AVIONICS LINE MAINTENANCE OPERATIONS	3.00	X
AMT1231C	AVIONICS INSTALLATION AND TROUBLESHOOTING I	3.00	X
AMT2233C	AVIONICS INSTALLATION AND TROUBLESHOOTING II	3.00	X
AVS2700C	AVIONICS COMPONENT REPAIR AND CALIBRATION	3.00	X
AVS2760C	INTRODUCTION TO ADVANCED AVIONICS	3.00	X
GE Course	General Education Humanities Core	3.00	
GE Course	General Education Mathematics Core	3.00	
GE Course	General Education Natural Science Core	3.00	
AVS2930	EMERGING TECHNOLOGIES IN AVIONICS	3.00	X
ENC1101	COMPOSITION I	3.00	
GE Course	General Education Speech	3.00	
AVS2941	AVIONICS INTERNSHIP & CAPSTONE (250 Hours)	3.00	
AMH2020 or POS2041	HISTORY OF THE UNITED STATES SINCE 1877 NATIONAL GOVERNMENT	3.00	
Total Credits		60	33

¹ Students must satisfy the Digital Literacy requirement by testing out, completing a Credit for Prior Learning portfolio, or passing CGS1060C COMPUTER AND INTERNET LITERACY. Students who test out are required to take an approved elective.

Note:

See General Education course information here (<https://catalog.broward.edu/programs-study/aa-general-education-graduation-requirements/>).

In accordance with Florida Statute and Florida Administrative Code, students may need to satisfy the Civic Literacy Graduation Requirement. Visit the Civic Literacy Graduation Requirement page at [broward.edu/civic-literacy](https://students.broward.edu/resources/civic-literacy/) (<https://students.broward.edu/resources/civic-literacy/>).

Students are strongly encouraged to meet with an advisor (<https://students.broward.edu/resources/advising/>) to create a personalized educational plan.

Program Highlights

Credit for Prior Learning

Accelerate your path to completion with these options:

- Credit by exam
- Earned industry certifications
- Prior Learning Assessment
- And much more...

Related Industry Certifications

Upon completing this program, graduates will be eligible to sit for the following industry certifications/licenses

- Federal Communication Commission (FCC) Element 1
- Federal Communication Commission (FCC) Element 3
- Federal Communication Commission (FCC) Element 8
- National Center for Aerospace & Transportation Technologies (NCATT), Aircraft Electronics Technician

Get an Internship

After completing your first year of coursework make sure to visit Employment Solutions (<https://broward.edu/career/>) for internship opportunities and helpful tools like virtual job shadow, to help take your career to the next level!

- Get an Internship (<http://broward.edu/studentresources/career/Pages/Find-a-job-or-internship.aspx>)
- Virtual Job Shadow Tool (<http://www.broward.edu/studentresources/career/Pages/default.aspx>)

Median Wage and Job Growth Outlook

Broward College has Career Coach! (<https://www.broward.edu/careercoach/>) It is designed to help you find a good career by providing the most current local data on wages, employment, job postings, and associated education and training.

Fund Your Education

This program is Financial Aid (<https://www.broward.edu/admissions/financial-aid/>) eligible. Scholarships (<https://www.broward.edu/admissions/financial-aid/scholarships/>) may be available. This program is part of the Career Source Broward ITA List (<http://careersourcebroward.com/>).

Program Learning Outcomes

Graduates from this program will:

- Demonstrate proficiency in line and bench maintenance of airborne radio navigation systems and equipment
- Demonstrate proficiency with troubleshooting electrical wiring faults.
- Demonstrate proficiency with removing and installing an instrument from aircraft panel.
- Perform operating practices for radio operators.
- Demonstrate an understanding of how to remove and install navigation and communication aids will be assessed in the hands-on practical exercise.
- Demonstrate proficiency with interpreting aircraft system functions.
- Demonstrate an understanding of how to remove and install navigation and communication aids.