AVIATION MAINTENANCE MANAGEMENT, ASSOCIATE OF SCIENCE

Program Code: 2204
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 and at the Aviation Annex located on Pembroke Road. (https://www.broward.edu/about/locations/)
Program Entrance Requirements: HS Diploma or GED.

Program Description: The Associate of Science degree in Aviation Maintenance Management provides students with the academic skills to complement their technical training. The plan of study complies with the Federal Aviation Regulations Part 147 for an approved aviation maintenance technician's school, and in addition, offers the advantages of college level academic courses.

Students seeking an Associate of Science degree in Aviation Maintenance Management must complete the general requirements for both the Airframe Mechanics and Powerplant Mechanics diplomas and/or possess a valid FAA Airframe & Powerplant certificate.

a. FAA General Mechanics, Technical Certificate 6364
b. FAA Aircraft Airframe Mechanics, Technical Certificate 6365
c. FAA Aircraft Powerplant Mechanics, Technical Certificate 6367
d. Aviation Maintenance Management, Associate of Science 2204
e. Bachelor of Science

Course	Title	Credits	6364	6365	6367
ENC1101	COMPOSITION I	3.00			
GE Course	General Education Mathematics Core	3.00			
GE Course	General Education Humanities Core	3.00			
AMH2020	HISTORY OF THE UNITED STATES SINCE 1877	3.00			
or POS2041	NATIONAL GOVERNMENT				
GE Course	General Natural Education Science Core	3.00			
GE Course	General Education Speech	3.00			
CGS1060C	COMPUTER AND INTERNET LITERACY [1]	3.00			
Elective	Elective Course [2]	1.00			
Elective	Elective Course [2]	1.00			
AMT1070C	MATHEMATICS FOR AVIATION	1.00	X		
AMT1090C	BASIC PHYSICS	1.00	X		
AMT1001C	BASIC ELECTRICITY	2.00	X		
AMT1011C	AIRCRAFT DRAWINGS	1.00	X		
AMT1050C	GROUND OPERATIONS AND SERVICING	1.00	X		
AMT1081C	FAR'S, FORMS, PRIVILEGES, & HUMAN FACTORS	1.00	X		
AMT1041C	MATERIALS AND PROCESSES	2.00	X		
AMT1031C	FLUID LINES AND FITTINGS	1.00	X		
AMT1021C	WEIGHT AND BALANCE	1.00	X		
AMT1060C	CLEANING AND CORROSION CONTROL	1.00	X		
AMT1132C	METALLIC STRUCTURES	4.00		X	
AMT1107C	NON-METALLIC STRUCTURES	2.00		X	
AMT1151C	FLIGHT CONTROLS & ROTORCRAFT FUNDAMENTALS	4.00		X	
AMT1201C	AIRCRAFT LANDING GEAR SYSTEMS	2.00		X	
AMT1161C	AIRFRAME INSPECTION	1.00		X	
AMT1211C	HYDRAULIC AND PNEUMATIC SYSTEMS	2.00		X	
AMT1221C	CABIN ATMOSPHERE CONTROL SYSTEMS	1.00		X	
AMT1232C	AIRCRAFT INSTRUMENT SYSTEMS	1.00		X	

AMT1241C	COMMUNICATION & NAVIGATION SYSTEMS	1.00		X	
AMT1251C	AIRCRAFT FUEL SYSTEMS	1.00		X	
AMT1263C	AIRCRAFT ELECTRICAL SYSTEMS	3.00		X	
AMT1222C	WATER & WASTE SYSTEMS	1.00		X	
AMT1286C	ICE, RAIN, & FIRE PROTECTION	1.00		X	
AMT2301C	RECIPROCATING ENGINES	5.00			X
AMT2401C	ENGINE INSTRUMENT SYSTEMS	1.00			X
AMT1313C	TURBINE ENGINES	4.00			X
AMT2421C	ENGINE ELECTRICAL SYSTEMS & APUS	2.00			X
AMT1321C	ENGINE INSPECTION	1.00			X
AMT2452C	ENGINE FUEL SYSTEMS	1.00			X
AMT2453C	FUEL METERING SYSTEMS	2.00			X
AMT2441C	IGNITION & STARTING SYSTEMS	2.00			X
AMT2461C	INDUCTION & ENGINE AIRFLOW SYSTEMS	1.00			X
AMT2436C	LUBRICATION SYSTEMS	1.00			X
AMT2471C	ENGINE COOLING & EXHAUST	1.00			X
AMT2411C	ENGINE FIRE PROTECTION SYSTEMS	1.00			X
AMT2491C	PROPELLERS AND UNDUCTED FANS	2.00			X
Total Credits		**83**	**12**	**24**	**24**

[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

[2] Select from any lower division course.

Notes:

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/).

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 Aviation Administration (FAA) Airframe and Powerplant Certification

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 aircraft maintenance fundamentals.
- Diagnose and repair common engine electrical problems.
- Diagnose and repair common assembly and rigging problems.
- Successfully carry out projects related to engine airworthiness inspections.