

FAA Aircraft Airframe Mechanics Post-Secondary Adult Vocational Certificate Program Code 5272

Program Description: The Aviation Institute links Broward College's (BC) South Campus with North Perry Airport in Pembroke Pines. It's the only public facility in South Florida with direct access to an airport dedicated to the training of aviation professionals. Since 1966 our aviation school has been preparing students for careers in: Professional Pilot Technology, Aviation Maintenance Management, Aviation Operations, Airport Operations Management, and Air Traffic Control. The Aviation Institute also provides hands-on training to prepare students in the competitive field of aviation maintenance. It provides FAA-approved certificate programs in Airframe Mechanic and Powerplant Mechanic, and also offers FCC and NCATT approved Avionics Technician certifications.

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

Program Entrance Requirements: HS Diploma or GED

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: The Airframe Maintenance certificate program leads to a Federal Aviation Administration (FAA) airframe license.

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

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 Power Plant Mechanics Vocational Certificate (5273)

Avionics Vocational Certificate (5299)

Required Courses

BLOCK I	GENERAL	
AMT0070C	Applied Mathematics	21
AMT0090C	Basic Physics	26.25
AMT0010C	Aircraft Drawings	21
AMT0050C	Ground Operations and Servicing	31.5
AMT0040C	Materials and Processes	84
AMT0030C	Fluid Lines and Fittings	26.25
AMT0081C	FARs, Forms, Privilege	42
AMT0020C	Weight and Balance	32.5
AMT0060C	Corrosion Control	26.25
AMT0091C	Basic Electricity	89.25

Total Clock Hours **400**

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BLOCK 2		AIRFRAME I	
AMT0130C	Sheet Metal and Non-Metallic		157
AMT0110C	Wood Structures		11
AMT0115C	Aircraft Covering		12
AMT0120C	Aircraft Finishes		30
AMT0140C	Welding		40
AMT0155C	Assembly and Rigging		65
AMT0200C	Landing Gear Systems		85

Total Clock Hours **400**

BLOCK 3		AIRFRAME II	
AMT0160C	Airframe Inspection		20
AMT0210C	Hydraulic Pneumatics Systems		75
AMT0220C	Cabin Atmosphere Control Systems		50
AMT0230C	Aircraft Instrument Systems		25
AMT0240C	Comm. / Nav. Systems		30
AMT0250C	Aircraft Fuel Systems		40
AMT0260C	Aircraft Electrical Systems		100
AMT0270C	Position and Warning		30
AMT0285C	Ice, Rain and Fire Protection		30

Total Clock Hours **400**

Total Program Clock Hours **1,200**

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.