

FAA Aircraft Power Plant Mechanics Post-Secondary Adult Vocational Certificate Program Code 5273

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 Power Plant 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 Power Plant Maintenance certificate program leads to a Federal Aviation Administration (FAA) Power Plant 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 Airframe Mechanics Vocational Certificate (5272)

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		POWER PLANT I	
AMT0300C	Reciprocating Engines		152.25
AMT0310C	Turbine Engines		147
AMT0400C	Engine Instrument Systems		31.5
AMT0420C	Engine Electrical and APUs		69.25

Total Clock Hours **400**

BLOCK 3		POWER PLANT II	
AMT0460C	Induction Systems		26.25
AMT0450C	Engine Fuel Systems		21
AMT0451C	Fuel Metering Systems		63
AMT0440C	Ignition Systems		84
AMT0435C	Lubrication Systems		42
AMT0475C	Engine Cooling and Exhaust Systems		26.25
AMT0410C	Engine Fire Protection		15.75
AMT0490C	Propellers and Unducted Fans		89.25
AMT0320C	Engine Inspection		32.5

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.