



PSAM

POLYTECH SCHOOL of
AVIATION MAINTENANCE

AVIATION MAINTENANCE MECHANIC

- Five 72 hour courses over five semesters
- Each class meets for two weeks from 8AM to 5PM
- Earn nationally recognized journey-person certificate
- Gain documented experience required for approval to take the A&P exam
- Enrolling now for Fall 2023



Hourly Wages

Entry Level - \$27.09

Median - \$36.76

Experienced - \$41.90

Delaware Wages 2021

The PSAM Aviation Maintenance Mechanic apprenticeship program consists of a series of five 72-hour/two-week courses and is designed to be completed with the minimum possible time away from work.

The program is designed for individuals currently working as aircraft maintenance technicians who aspire to earn an FAA A&P certification using the verified work experience option.

The coursework is designed to allow participants to learn about each of the areas covered on the A&P exam. It also provides them with the opportunity to complete and be certified on tasks required by the FAA, including those they may not see in their day-to-day work experience.

For more information or to get started go to polytechworks.com/programs/aviation-maintenance-mechanic or send an email to john.morris@polytech.k12.de.us

APPRENTICE PROGRAM



COURSES OF STUDY

- **General Aviation Course**
 - Fundamentals of Electricity & Electronics
 - Aircraft Drawings
 - Weight and Balance
 - Fluid Lines and Fittings
 - Aircraft materials, hardware, and processes
 - Ground operations and Servicing
 - Cleaning and corrosion control
 - Mathematics
 - Regulations, maintenance forms, records, publications
 - Physics for aviation
 - Inspection concepts and techniques
 - Human factors
- **Airframe I Course**
 - Metallic Structures
 - Non-Metallic Structures
 - Airframe Inspection
 - Flight controls
- **Airframe II Course**
 - Landing gear systems
 - Hydraulics and Pneumatics systems
 - Environmental Systems
 - Aircraft Instrument Systems
 - Communications, light signals, and runway lighting systems
 - Aircraft Fuel Systems
 - Aircraft Electrical Systems
 - Ice and rain control systems
 - Airframe fire protection systems
 - Rotorcraft fundamentals
 - Water and waste systems
- **Powerplant I Course**
 - Reciprocating engines
 - Turbine engines
 - Engine inspection
- **Powerplant II Course**
 - Engine instrument systems
 - Engine fire protection systems
 - Engine electrical systems
 - Engine lubrication systems
 - Ignition and starting systems
 - Engine fuel and fuel metering systems
 - Reciprocating engine induction and cooling systems
 - Turbine engine air systems
 - Engine exhaust and reverser systems
 - Propellers

POLYTECH
Adult Education
A division of Polytech School District

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