

# AIRFRAME AND POWERPLANT



A&P technicians keep aircraft in safe flying condition by servicing, repairing and overhauling aircraft components following stringent regulations set forth by the Federal Aviation Administration (FAA). All aircraft are required to undergo thorough inspections and repairs on a regular basis. These services are provided by technicians certified by the FAA. Technicians in this field work on aircraft components and systems including airframe, piston engines, turbine engines, hydraulic systems, propellers, rigging, warning systems, and environmental systems.

Companies in many industries such as aerospace, auto and diesel, racing, and heavy-equipment seek the high quality, detail-oriented skills possessed by certified aviation maintenance (A&P) technicians. This need opens the opportunities for aviation maintenance technicians to aviation and beyond.



## The Tools to Succeed

- 100,000 sqft of training facilities
- AeroCommander aircraft
- T-39 and T-38 aircraft
- Cessna 150 and 172s
- Piper PA-34 Seneca aircraft
- Bell 264 helicopter

TRAINING FOR YOUR FUTURE



## Airframe and Powerplant (Diploma) · Program Length: 18 months

## Associate in Occupational Studies Aviation Maintenance Technology (Degree) · Program Length: 22 months

(Airframe and Powerplant Mechanic D.O.T. 621.281-014)

The program is designed to teach students the technical skills required to service, repair, and overhaul aircraft components and systems or obtain employment in related industries. Successful completion qualifies graduates to take the written, oral, and practical tests with the FAA for the Mechanic's Certificate with both Airframe and Powerplant Ratings. The program is FAA Part 147 approved and the skill sets learned will provide for a wide variety of employment opportunities inside and out of the aviation industry; therefore, certification is not required to obtain employment upon graduation.

### INDUSTRY OUTLOOK

Opportunities appear favorable through 2024 for aircraft mechanics that complete FAA-approved training programs\* due to:

- an increase in passenger air traffic
- a need to replace retiring mechanics
- shortage of A&P college graduates

\*Bureau of Labor Statistics Occupational Outlook Handbook

### Position Examples

- A&P Technician
- Airframe Mechanic
- Jet Engine Technician
- Line Technician
- Sheet Metal Technician
- Composite Specialist
- Helicopter Technician
- Heavy Equipment Technician

### Employer Examples

- Delta Airlines
- Envoy
- General Atomics
- SkyWest Airlines
- SpaceX
- United Airlines
- Boeing
- Papillon Grand Canyon Helicopters



### Increased Demand for Airline Technicians

More than 648,000 airline technicians will be needed by 2036.\*



### Los Angeles

The LA Campus is conveniently located on Aviation Boulevard only about a mile from LAX airport which is also near a large number of aerospace focused companies that employ our graduates.

\*Boeing: Pilot and Technician Outlook 2017-2036, <http://www.boeing.com/commercial/market/pilot-technician-outlook/>

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For more information about our graduation rates, the median debt of students who completed the program, and other important information, visit [www.spartan.edu/consumerinformation](http://www.spartan.edu/consumerinformation)