

AVIATION MAINTENANCE TECHNOLOGY



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.



Versatile Skill Set

- Cessna 172 RG aircraft
- Cessna 310 aircraft
- Turbine powerplants
- Propellers, magnetos and carburetors
- NIDA electrical troubleshooting trainers
- Sheet metal and riveting equipment



Aviation Maintenance Technology (Diploma) · Program Length: 15 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.

Graduates of this program are eligible to upgrade to an Associate Degree via in-person at the main campus, located in Inglewood, CA.

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 maintenance technicians will be needed by 2036.*



Historic Flabob Airport

Inland Empire campus* is located on the historic Flabob Airport in Riverside, California. Founded in 1925, Flabob Airport is Riverside's first civil airport and the seventh oldest surviving airport in California.

*Boeing: Pilot and Technician Outlook 2017-2036,

<http://www.boeing.com/commercial/market/pilot-technician-outlook/>

*Spartan College of Aeronautics and Technology, Riverside, CA is a branch location of Spartan College of Aeronautics and Technology, Inglewood, CA.

Main Campus:

Spartan College of Aeronautics and Technology
8911 Aviation Boulevard | Inglewood, California 90301
310-337-4444

Branch Campus:

Spartan College of Aeronautics and Technology
4130 Mennes Avenue | Riverside, California 92509
951-228-9922

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