



SPARTAN

COLLEGE OF AERONAUTICS AND TECHNOLOGY

Riverside, California Campus

AVIATION MAINTENANCE TECHNOLOGY

Aviation maintenance 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. 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.



RELEVANT TRAINING AIDS

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

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 entry-level technical skills required to service, repair, and overhaul aircraft components and systems and may be applicable to other maintenance industries and professions. Successful completion qualifies graduates to take the written, oral, and practical exams 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 taught may provide for a variety of entry-level employment opportunities inside and out of the aviation industry. Third-party certifications are not guaranteed.

Graduates of the diploma program may be eligible to further their education by enrolling into an Associate of Occupational Studies program at the main campus, located in Inglewood, CA.



SPARTAN TRADITION

"Knowledge and Skill Overcome Superstition and Luck." The Black Cat was the original insignia of the Spartan Dawn Patrol; its origin is an integral part of Spartan's history, dating back to 1929.



GRADUATE OUTLOOK

While no college can guarantee employment or specific positions, below are examples of employers and positions for Spartan graduates (2022- 2024) showcasing the top 80th percentile of job placements.

POSITION EXAMPLES

- Aircraft Maintenance Technician
- Aerospace Technician
- Avionics Technician
- Assembly Technician

EMPLOYER EXAMPLES

- Boeing
- Pneudraulics Inc.
- Horizon Air
- United Airlines
- SkyWest Airlines
- Belcan, LLC
- General Atomics
- California Aerofab, LLC
- Waypoint Aviation Services
- Certified Aviation Services
- Western Jet Aviation



DEMAND FOR AVIATION TECHNICIANS

According to the 2024-2043 Boeing Pilot and Technician Outlook, 123,000 new aviation technicians will be needed to maintain the North American fleet over the next 20 years.

Boeing Commercial Pilot, Civil Pilot, Aviation Technician & Cabin Crew Demand Outlook 2024-2043 North American statistics may not reflect the demand of workers in particular parts of the country or your local area. Data may be comprised of positions requiring FAA A&P certification. www.Boeing.com/PTO



HISTORIC FLABOB AIRPORT

Inland Empire Area 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. The campus offers day or evening courses and financial aid for those who qualify and apply.

MAIN CAMPUS:

Spartan College of Aeronautics and Technology
8911 Aviation Boulevard | Inglewood, California 90301

 **Call:** 310-337-4444

BRANCH CAMPUS:

Spartan College of Aeronautics and Technology
4130 Mennes Avenue | Riverside, California 92509

 **Call:** 951-228-9922

 visit us online at Spartan.edu

Spartan does not guarantee third-party certifications or employment. Spartan College of Aeronautics and Technology, Riverside, CA is a branch location of Spartan College of Aeronautics and Technology, Inglewood, CA. For more information about our graduation rates and other important information, visit www.spartan.edu/consumerinformation

© 2025 Spartan TM010624