



SPARTAN

COLLEGE OF AERONAUTICS AND TECHNOLOGY

Inglewood, California Campus

AIRFRAME & POWERPLANT

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

- 100,000 sqft of training
- facilities Airframe labs
- Powerplant labs
- JT8D-17A turbine engine
- Cessna 152 and 172s
- Piper PA-34 Seneca aircraft Bell
- 47 helicopter

ASSOCIATE OF OCCUPATIONAL STUDIES AVIATION MAINTENANCE TECHNOLOGY

(Degree) · Program Length: 22 months

AIRFRAME & POWERPLANT

(Diploma) · Program Length: 18 months

(Airframe & 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 programs are 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. General education courses for the AOS degree provide students with foundational information of diverse subject matter, fostering critical thinking and communication skills. Third-party certifications are not guaranteed.



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
- Assembly Technician
- Aerospace Technician
- Fleet Service Agent
- Avionics Technician

EMPLOYER EXAMPLES

- Space X
- Marvin Engineering
- Robinson Helicopter Company
- Delta Airlines
- Qantas Airways Limited
- United Airlines
- Northrop Grumman
- SkyWest Airlines
- American Airlines
- New Tech Aircraft Services
- SIA Engineering Company
- Western Jet Aviation
- FEAM
- Menzies Aviation Services



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



LOS ANGELES AREA

The LA Area Campus is conveniently located on Aviation Boulevard only about a mile from LAX airport. The campus offers day or evening courses and financial aid for those who qualify and apply.

INGLEWOOD MAIN CAMPUS:

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

Call: 310-337-4444

RIVERSIDE 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