AVIATION MAINTENANCE TECHNOLOGY

SPARTAN COLLEGE OF AERONAUTICS AND 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. 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 qualified, detail-oriented skills possessed by aviation maintenance (A&P) technicians. This need opens the opportunities for aviation maintenance technicians to aviation and beyond.

Spartan Toolkit

- Boeing 727 Cockpit Section
- AeroCommander
- C303 Crusader
- Cessna C-150s
- Sabreliner for Static Training
- Thirteen Operational Aircraft

SPARTAN® COLLEGE OF AERONAUTICS AND TECHNOLOGY

Aviation Maintenance Technology
(Diploma) · Program Length: 17 months

Associate of Applied Science Aviation Maintenance Technology
(Degree) · Program Length: 20 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 and are 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 learned will provide for a wide variety of entry-level employment opportunities inside and out of the aviation industry.

Associate degree graduates can apply to continue their education with Spartan's Bachelor of Science Technology Management degree program offered online or on campus.**

**Before applying, ensure that you're in a state eligible for our Online TM degree program: Distance Education State Authorization List at: https://www.spartan.edu/tulsa/distanceeducation-state-authorization-list/

INDUSTRY OUTLOOK
Opportunities appear favorable through 2029 for aviation technicians that complete FAA-approved training programs* due to a need to replace retiring mechanics.

* Bureau of Labor Statistics, U.S. Department of Labor, Occupational Outlook Handbook, Aircraft and Avionics Equipment Mechanics and Technicians, at https://www.bls.gov/ooh/installation-maintenance-and-repair/aircraft-and-avionics-equipment-mechanics-and-technicians.htm (visited February 21, 2021)

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

Employer Examples
- AAR Aircraft Services
- American Airlines
- Delta Airlines
- Envoy
- General Atomics
- SkyWest Airlines
- SpaceX
- United Airlines
- Lockheed Martin
- Southwest Airlines

Demand for Airline Technicians

According to the Boeing Pilot and Technician Outlook 2020-2039*, 192,000 new aviation technicians will be needed to maintain the North American fleet over the next 20 years.

Since 1928

The Tulsa locations operate with over 247,000 square feet of training facilities, classrooms, and administrative space located on two Tulsa area airports.

*Boeing: Pilot and Technician Outlook 2020-2039, pg 8
http://www.boeing.com/commercial/market/pilot-technician-outlook/

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Spartan does not guarantee third-party certifications. For more information about our graduation rates and other important information, visit https://www.spartan.edu/tulsa/consumer-information/

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