

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. 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.



The Tools to Succeed

- Nearly 40,000 square feet of classroom and lab space
- Over 80 powerplants including two Rolls Royce RB 211-22B turbine engines
- Operational GE Walter 601D turboprop 658 shp
- Three Cessna 172s and a Beech C-35 Bonanza
- Lear Jet Model 24D
- Falcon 20



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

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 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.

Position Examples

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

Employer Examples

- AAR Aircraft Services
- Delta Airlines
- Envoy
- General Atomics
- SkyWest Airlines
- SpaceX
- United Airlines
- Alaska Airlines
- Ball Aerospace
- Duncan Aviation
- Lockheed Martin
- Sierra Nevada Corporation



Increased Demand for Airline Technicians

More than 769,000 airline technicians are predicted to be needed by 2038.*



The Mile High City

A thriving cultural scene, diverse neighborhoods, and natural beauty combine for the world's most spectacular playground.

*Boeing: Pilot and Technician Outlook 2019-2038, pg 36
<http://www.boeing.com/commercial/market/pilot-technician-outlook/>

Denver Area Campus
10851 West 120th Avenue, Broomfield, CO 80021
Call 303-410-2403 or visit us online at Spartan.edu

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