



SPARTAN

COLLEGE OF AERONAUTICS AND TECHNOLOGY

Broomfield, Colorado 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

- Nearly 40,000 square feet of classroom and lab space
- Over 80 powerplants including two Rolls Royce RB211-22B turbine engines
- IFR6000 test equipment
- Cessna 172s, Cessna 152, Lear Jet Model 24D, Falcon 20, and a Beechcraft C-35 Bonanza
- ADSB test system

ASSOCIATE OF APPLIED SCIENCE AVIATION MAINTENANCE TECHNOLOGY

(Degree) · Program Length: 23 months (Airframe and Powerplant Mechanic D.O.T. 621.281-014)

This program is designed to teach students entry-level technical skills in airframe and powerplant. Successful completion qualifies the graduates to take the written, oral and practical tests with the Federal Aviation Administration (FAA) for the Mechanic's Certificate with both Airframe and Powerplant Ratings. Third-party certifications are not guaranteed. The skills and information taught in the program are applicable to other maintenance industries and professions as well as aviation; therefore, certification is not required to graduate. Obtaining an FAA A&P certificate is encouraged and may provide additional options should the student choose to pursue certification. General education courses may provide students with foundational information of diverse subject matter, fostering critical thinking and communication skills. The program includes online coursework. Before and during enrollment, confirm that you reside in a location eligible for distance education based on the course. For online courses delivered through Spartan Tulsa under the consortium agreement (general education and career exploration), students must live in an authorized state, refer to Tulsa's Distance Education State Authorization List and Policy: <https://www.spartan.edu/tulsa/consumer-information/>. Otherwise, you must reside in Colorado while taking the course.



GRADUATE OUTLOOK

While no college can guarantee employment, employer, position, or salary, of the 226 AMT graduates placed from 2022–2024, the following employer examples are within the 80th percentile and hired at least two graduates into entry-level positions.

EMPLOYER EXAMPLES

- United Airlines
- Northrop Grumman Aeronautics
- BAE Systems, Inc
- Air Methods
- SkyWest Airlines
- York Space Systems
- Key Lime Air
- Denver Transit Operators
- Frontier Airlines
- Commute Air
- Wheels Up
- Standard Aero
- Panasonic Avionics Corp
- Avex Aviation Inc
- Alstom Transportation



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



THE MILE HIGH CITY DENVER AREA CAMPUS

A thriving cultural scene, diverse neighborhoods, and natural beauty for places to stay and play. The Broomfield campus offers financial aid for those who apply and qualify.



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.



DENVER AREA CAMPUS

10851 West 120th Avenue, Broomfield, CO 80021



Call: 303-410-2403



Visit us online at Spartan.edu

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

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