

# AVIATION ELECTRONICS TECHNOLOGY

**SPARTAN**  
COLLEGE OF AERONAUTICS AND TECHNOLOGY



As global airways grow more congested, pilots must now rely more than ever on the integrity of aircraft navigation and communication systems to keep air travel safe. Advances in the electronics of traditional aircraft, expansion of airline fleets, and the emergence of unmanned aerial systems (UAS), have resulted in an increased demand for well-trained technicians with expertise in manufacturing, maintenance, repair, and installation of new and existing systems.

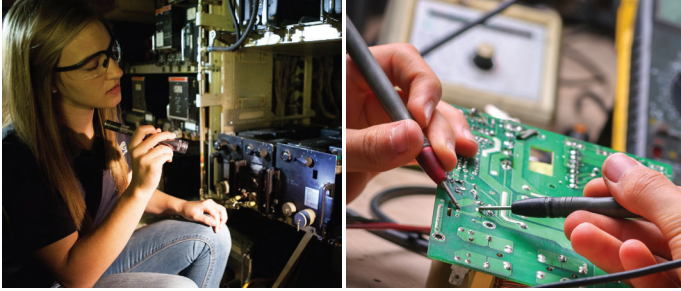
Aviation electronics technicians play a key role in the development and deployment of satellites, helicopters, and aircraft of all types and sizes.



## Technology Training

- Nearly 8,000 sq. ft. of classroom and lab space
- A large variety of test equipment including more than 100 digital oscilloscopes
- Four custom auto pilot trainers
- Six Garmin 1000 training kiosks
- Wide range of test benches
- Rigol Spectrum Analyzers

TRAINING FOR YOUR FUTURE



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## Associate of Applied Science Aviation Electronics Technology (Degree) • Program Length: 15 months

(Avionics/UAS Technician 823.261-026 and Electronics Technician D.O.T. 828.261-022, 003.161-014, 726.687-010)

Through the use of industry-relevant training devices and curriculum developed for the next generation UAS electronics and aircraft technicians, these students gain the technical skills sought after by employers in today's advanced electronics and aerospace industries. Students study FAA regulations, learn to read and use aircraft maintenance manuals, and how to read and interpret aircraft commercial drawings and electronics schematics as they apply to large and small aircraft including UASs. In addition, associate degree students focus on interpersonal skills such as oral and written communication, customer service, and diversity in the workplace.

### Career Track Examples

- Aerospace
- Robotics Electronics
- Airlines
- Simulator Development
- Communications
- Avionics Repair Shops
- Aircraft Manufacturing
- General Electronics

### Position Examples

- Avionics Technician
- Radar Technician
- UAS Technician
- Communication Technician
- Electronics Technician
- AV Equipment Installer

### Employer Examples

- ARINC Incorporated
- Autopilots Central
- AVCOM Avionics
- BF Goodrich Aerospace
- Commander Instruments
- Dallas Avionics
- Delta Airlines
- Executive Instruments
- Garret Aviation Services
- General Atomics
- High Desert Avionics, Inc.
- L-3 Communications
- SpaceX
- Tech Aero Avionics Systems
- United Airlines
- Ball Aerospace
- Lockheed Martin



**Demand for Aviation Technicians**  
According to the 2023-2042 Boeing Pilot and Technician Outlook\*, 125,000 new aviation technicians will be needed to maintain the North American fleet over the next 20 years.

**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 2020-2039, pg 8  
<http://www.boeing.com/commercial/market/pilot-technician-outlook/>

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For more information about our graduation rates and other important information, visit <https://www.spartan.edu/denver/consumer-information/>

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