

AVIATION ELECTRONICS TECHNOLOGY



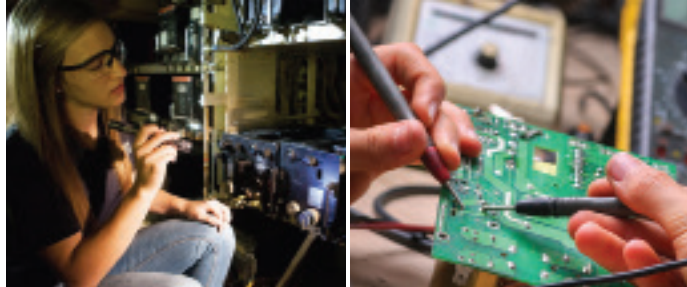
As global airways grow more congested, pilots must now rely more than ever on the integrity of aircraft navigation and communication systems to keep air travel safe. Advances in the electronics of traditional aircraft, expansion of airline fleets, and the emergence of unmanned aerial vehicles (UAV), 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



Associate of Occupational Studies Aviation Electronics Technology (Degree) · Program Length: 15 months

(Avionics/UAV 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 UAV 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 UAVs. In addition, associate degree students focus on interpersonal skills such as oral and written communication, customer service, and diversity in the workplace.

CERTIFICATIONS

Our training helps prepare graduates for the select Federal Communications Commission (FCC)[†] certification tests. Graduates have the opportunity to take the National Center for Aerospace and Transportation Technologies (NCATT)^{††} certification exams.

[†]fcctests.com, ^{††}ncatt.org

Career Track Examples

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

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

Position Examples

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



Increased Demand for Airline Technicians

According to the Boeing Pilot and Technician Outlook 2020-2039*, 739,000 new maintenance technicians will be needed to fly and maintain the world fleet over the next 20 years.



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For more information about our graduation rates, the median debt of students who completed the program, and other important information, visit www.spartan.edu/consumerinformation
Accredited by ACCSC. Licensed by DPOS.

*Boeing: Pilot and Technician Outlook 2020-2039, pg 7
<http://www.boeing.com/commercial/market/pilot-technician-outlook/>