

# 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), has resulted in an increased demand for well-trained technicians with expertise in manufacturing, maintenance, repair, and installation of new and existing systems.

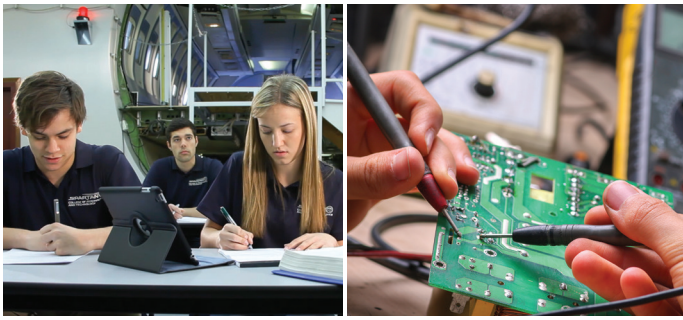
Aviation electronics technicians play a key role in the development and deployment of satellites, helicopters, and aircraft of all types and sizes.



## Technology Training

- Navigation systems
- Auto pilots
- Weather radar
- Flight simulation
- Electronic flight instrument systems
- Instrument landing
- Air traffic control transponders

TRAINING FOR YOUR FUTURE



## Aviation Electronics Technology (Diploma) • Program Length: 12 Months

## Associate of Applied Science 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.

Associate degree graduates are eligible to continue with Spartan's Bachelor of Science in Technology Management degree completion program offered online or on campus.

### CERTIFICATIONS

Our training helps prepare graduates for the select Federal Communications Commission (FCC)<sup>†</sup> certification tests. Graduates have the opportunity to take the National Center for Aerospace and Transportation Technologies (NCATT)<sup>\*\*</sup> certification exams.

<sup>†</sup>fcc-tests.com, <sup>\*\*</sup>ncatt.org

### Career Track Examples

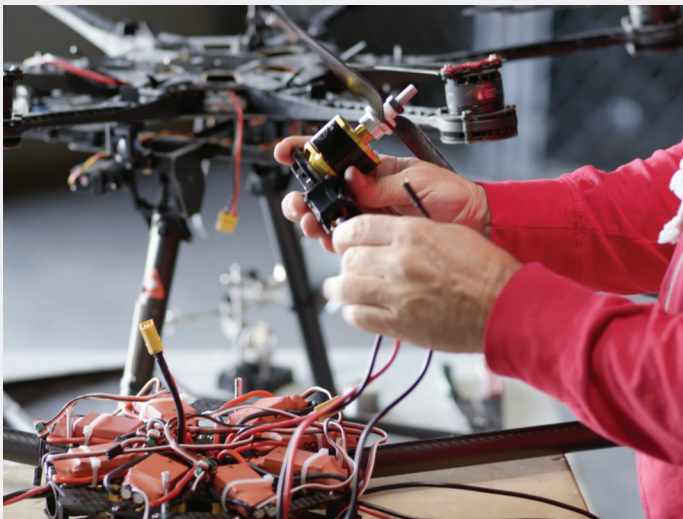
- Aerospace
- Robotics Electronics
- Airlines
- Simulator Development
- Communications
- Avionics Repair Shops
- Aircraft Manufacturing
- General Electronics

### Position Examples

- Avionics Technician
- Radar Technician
- UAV 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



### Increased Demand for Airline Technicians

More than 648,000 airline technicians will be needed by 2036.\*



### Since 1928

Tulsa campuses 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 2017-2036, <http://www.boeing.com/commercial/market/pilot-technician-outlook/>

### Tulsa – Main Campus

8820 East Pine Street, Tulsa, OK 74115

Call 918-831-8688 or visit us online at [Spartan.edu](http://Spartan.edu)

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