Spartan’s Avionics Maintenance Technology program will prepare you to become an avionics systems technician. You can complete an avionics training diploma program in as little as 15 months and an associate of applied science degree in only 18 months.

In today’s airplanes, aircraft electronics are crucial for safe flight as the airways become more congested. With over 87,000 commercial flights per day, and more than 5,000 planes in the air at any given time, pilots must rely on the integrity of their aircraft electronics for safe passage. The role of highly skilled individuals with avionics training is more important today than at any other time in aviation history. As aircraft technology advances so does the need for certified technicians with avionics training.

Our aviation technology program combines electronics and avionics specialties with the general core requirements for aviation maintenance. Program accredited by the National Center for Aerospace and Transportation Technologies. NCATT

A FEW POTENTIAL CAREER TRACKS

Airlines
General Aviation
General Electronics

Avionics Repair Shops
Aircraft Manufacturing
Aerospace

A FEW POTENTIAL POSITIONS

Avionics Technician
Radar Technician
Electronics Installer

Communication Technician
Electronics Technician
AV Equipment Installer

SAMPLE OF POTENTIAL EMPLOYERS

Aircraft Manufacturing
High Desert Avionics, Inc.
Honeywell
L-3 Communications
Integrated Systems
Mid Continent Instruments
Northwest Airlines
Piedmont Airlines/US Airways Express
Ramona Avionics
Raytheon Aircraft Company
Redding Jet Center
Regional Jet Center
Rockwell Collins
Sierra Industries, Ltd.
Southwest Airlines
SkyWest Airlines
Tech Aero Avionics Systems
Timco Aviation Services
United Airlines
Avionics Maintenance Technology (Diploma)
Associate of Applied Science Avionics Maintenance Technology (Degree)

These programs prepare graduates to become entry level Avionics Maintenance Technicians or technicians in other industries where similar electronics education and training are required. With the use of industry current training devices and a curriculum developed for the next generation aircraft technician, these students gain the technical skills sought after by employers in today’s aerospace industry. Students study FAA regulations, learn to read and use aircraft maintenance manuals, and how to read and interpret aircraft drawings. They learn the proper use of basic tools and test equipment, study electronic theory, and have extensive hands-on training in the installation, troubleshooting and repair of avionics systems. In addition, associate degree students focus on interpersonal skills such as oral and written communication, customer service, and diversity in the workplace.

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<tr>
<th>COURSES</th>
<th>Credit Hours</th>
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<tbody>
<tr>
<td>AIE 1108 Introduction to Electronics</td>
<td>8</td>
<td>8</td>
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<td>ARF 1118 Aviation Fundamentals</td>
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<tr>
<td>AIE 1718 AC Theory &amp; Semiconductor Devices</td>
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<tr>
<td>AIE 1728 Electronic Circuits</td>
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<tr>
<td>AIE 2738 Digital Circuits &amp; Devices</td>
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<td>AIE 2748 Principles of Electronic Communication</td>
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<tr>
<td>AIE 2758 Aircraft Systems</td>
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<td>8</td>
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<tr>
<td>AIE 2768 Aircraft Communication &amp; Navigation Systems</td>
<td>8</td>
<td>8</td>
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<tr>
<td>AIE 2778 Aircraft Radar Systems &amp; Avionics Line Maintenance</td>
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| GENERAL EDUCATION COURSES                    |             |             |
| ENG 1123 English Composition I               | 3            |             |
| ENG 1223 English Composition II              | 3            |             |
| HIS 1163 American History: 1865 to Present   | 3            |             |
| MA 1794 Intermediate Algebra 1794 AI         | 3            | 3            |
| PHY 2134 College Physics                      | 4            | 4            |
| PSC 1193 American Federal Government         | 3            |             |
| SPH 2113 Fundamentals of Public Speaking     | 3            |             |

Total Credit Hours: 80
Total Clock Hours: 1800
Total Terms: 10
Total Months: 15