

# Fundamentals of Avionics for AMTs

## 5 DAY COURSE

This five-day course is designed to give the maintenance technician the information needed to troubleshoot, maintain, and repair typical avionics systems installed in any aircraft. It begins with a brief review of basic electricity/electronics and advances to the more sophisticated digital systems. Use of testing equipment and lab projects are included. Block diagram and schematic symbols are presented. Equipment self-tests are discussed. This leads to a better understanding of the aircraft and the way avionics equipment is utilized in flight.

<b>GROUND SCHOOL COURSE MODULES</b>	<b>HOURS</b>
Electricity Review .....	3.50
Electronic Components .....	1.00
Integrated Circuits.....	2.00
Required Avionics/RVSM.....	2.50
Aircraft Electronics .....	1.00
Navigation Avionics .....	6.00
Communications.....	4.00
Surveillance Avionics .....	4.00
New Technology.....	4.00
Lab* .....	6.00
<b>Ground School Training Hours .....</b>	<b>34.00</b>

\*Lab time may include simulator if available.

<b>ACADEMIC COURSE MODULES</b>	<b>HOURS</b>
Welcome/Introduction.....	0.50
Review/Exam .....	0.50
<b>Total Hours .....</b>	<b>35.00</b>

### APPROVALS AND LIMITATIONS

<b>FAA IA Renewal Code</b>	<b>C-IND-IM-190417-K-012-007</b>
FAA IA Course Validity:	04/17/2019 – 04/30/2023

**FOR MORE INFORMATION, CONTACT:** +1 201.528.0170 or [sales@flightsafety.com](mailto:sales@flightsafety.com)

Internal Use Only:  
303695

### TRAINING LOCATIONS

Tucson, Arizona