

PROFESSIONAL AVIATION MAINTENANCE TRAINING

Fundamentals of Avionics for AMTs

Course Information

Course Description – 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.

FlightSafety Material Number 303695

Ground School Course Modules Hours

Electricity Review	3.50
Electronic Components	1.00
Integrated Circuits	2.00
Required Avionics/RVSM	2.500
Aircraft Electronics	1.00
Navigation Avionics	6.00
Communications.....	4.00
Surveillance Avionics	4.00
New Technology.....	4.00
Lab*	6.00
Ground School Training Hours	34.00

*Lab time may include simulator if available.

Academic Course Modules Hours

Welcome/Introduction.....	0.50
Review/Exam	0.50
Total Hours.....	35.00

Approvals and Limitations

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

Training Locations & Contact Information

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