

PRACTICAL AIRCRAFT WIRING

PRACTICAL AIRCRAFT WIRING FOR LINE MAINTENANCE (EWIS Training)

Our Practical Aircraft Wiring is a Hands-On course that is a must course for all A&P & Avionics Technicians. This course is built with the understanding that repairing wiring is often harder than installing it in a new aircraft, and inspecting wiring is a critical function for aircraft safety

We will cover different types of electrical wires and cables: cutting, stripping, crimping, soldering, splicing, and fabrication, as well as installation particulars like segregation, tying, tie-wrapping and chafing problems. We also discuss recent incidents, causes and prevention, with particular attention to inspection of existing wiring.

New 14CFR Part 121 regulations require significant Electrical Wiring Interconnect Systems (EWIS) training for all Technicians and Inspectors. This course has been designed to be EWIS compliant for Group 1 (Maintenance Personnel-Repairs), Group 2 (Inspection Personnel), and Group 4 (Maintainers-removal & installation of equipment). The guidance used to identify and meet these training needs is contained in FAA Advisory Circular (AC) 120-94.

This course will give the technicians and the maintenance organization a high level of confidence in these critical areas.

All of the tooling and supplies for this course are shipped to your location in advance. Any "In-House" tooling that you may already have can be brought into the training curriculum for evaluation and experience.

CURRICULUM (40 hours)

SUBJECT (ATA 1,2 & 20)	HOURS
Electrical Terms review, Aircraft Wiring and Cables, Wire Stripping, and Technical Data	8
Terminals, Splicing, Crimping Techniques, Tooling Identification	8
Soldering Techniques, on Terminals, PC Boards, and Connectors	8
Lacing, Tying, Harness Fabrication, Installation and Routing in Aircraft	8
Inspection Awareness, Wiring Evaluation, and Review	8
TOTAL	40



OTHER AVAILABLE COURSES:

- **Basic Avionics (40 hours)**
- **Intermediate Avionics (40 hours)**
- **Advanced Avionics (40 hours)**
- **Avionics Aircraft Interface (40 hours)**
- **ADC / ATC / RVSM (16 hours)**

For more information, please contact:

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