



PROFESSIONAL AVIATION MAINTENANCE TRAINING

Basic Electricity

Course Information

Course Description – 5 Day Course

This course is designed to teach maintenance technicians the fundamentals of electricity. The primary objective is to provide the participant with logical, in-depth, and relevant course of instruction on AC & DC circuits with emphasis placed on efficient problem solving.

The course includes DC theory, AC theory, inductance, capacitance, resistance, semi-conductor devices, circuit analysis and motor/generator principles. Practical exercises in this lab reinforce classroom theory.

Actual hours in each subject may vary depending on experience of class participants and topics discussed

FlightSafety Material Number 303177

Ground School Course Modules Hours

Direct Current.....	11.00
Alternative Current	9.00
Semi-Conductor Devices.....	3.00
Rectifiers	1.00
Electrical Measuring Instruments	1.00
Circuit control & Protective Devices	2.00
Introduction to Digital Electronics	2.00
Motor & Generator Principles	3.00
Ground School Training Hours	32.00

Academic Course Modules Hours

Welcome/Introduction.....	1.00
Exam and Review	2.00

Total Hours..... 35.00

Approvals and Limitations

FAA IA Renewal Code	C-IND-IM-140322-K-006-137
FAA IA Course Validity:	01/29/2019 – 01/31/2023

Training Locations & Contact Information

Tucson, Arizona • 800-203-5627 • 520-918-7100 • tucson@flightsafety.com

flightsafety.com • A Berkshire Hathaway company