

# Basic Electricity

## 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

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
<b>Ground School Training Hours .....</b>	<b>32.00</b>

ACADEMIC COURSE MODULES	HOURS
Welcome/Introduction.....	1.00
Exam and Review .....	2.00
<b>Total Hours .....</b>	<b>35.00</b>

### APPROVALS AND LIMITATIONS

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

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

Internal Use Only:  
303177

### TRAINING LOCATIONS

Tucson, Arizona