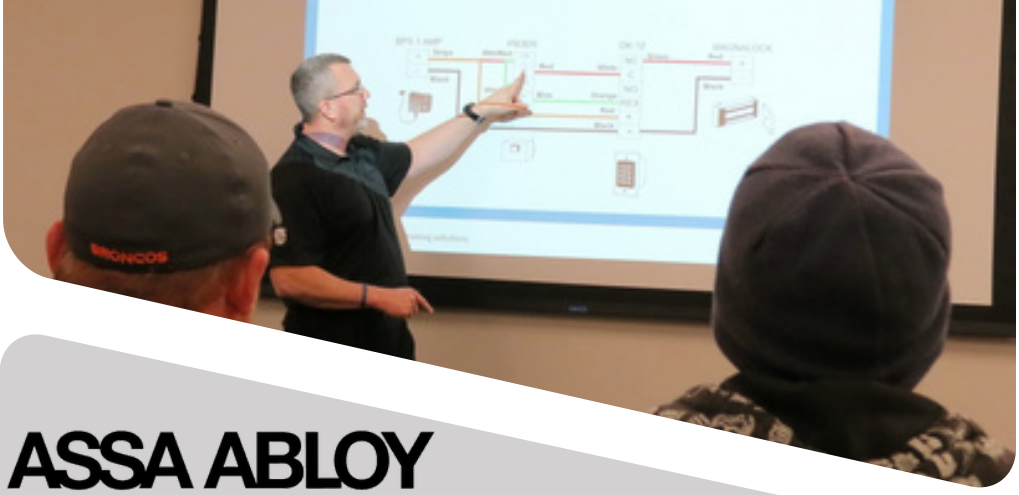

ASSA ABLOY

Level 1 - Basic Low Voltage Electricity for Installers

(4CEU)

Instructor:
Cynthia Bingham
Technical Product Trainer
Electromechanical
Solutions Group

This entry level course is designed to introduce students to the basics of direct current (DC) electricity for low voltage locksmiths and those contractors working on electronic locking and access control systems. Featuring a balance of presentation and hands-on exercises, students begin with the basics of AC and DC electricity, electrical concepts like voltage, amperage, ohms, and continuity, and how to use a multimeter. Guided, hands-on practice with basic circuits and the development of circuits, identifying normally open (NO) and normally closed (NC) circuits, and common electronic door hardware round out this fundamental class.

BY COMPLETING THIS COURSE, ATTENDEES SHOULD BE ABLE TO:

- Identify the differences between AC and DC electricity.
- Describe basic electrical concepts – such as voltage, amperage, and resistance - and their relationships to one another.
- Identify normally open (NO) and normally closed (NC) circuits and hardware commonly used with each of those circuits (i.e. fail safe and fail secure).
- Demonstrate the proper use of basic hand tools and safety measures.
- Show proper wire preparation and wire gauge selection.
- Establish a process for circuit development.
- Build simple circuits using basic electronic components.
- Use a multimeter to measure voltage, current, resistance, and continuity at various points across a circuit.

March 20, 2025

Thursday

Time

8:30am- 1:00 pm

Fee : $0.00

(4CEU)

Lunch will be provided

REGISTER NOW!!

LOCKSMITH SUPPLIES est. 1974 ACCREDITED LOCK SUPPLY SECAUCUS, NJ

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