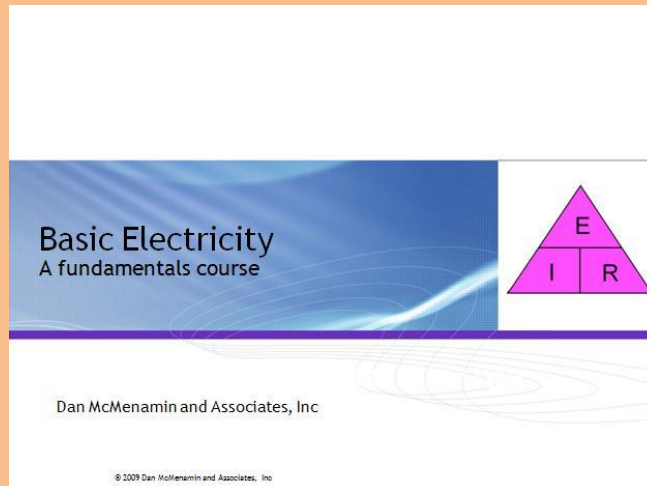


# Basic Electricity (E-Basic)



**Duration:** 4.0 Days

**Course Description:** This is a certification course and is a series of PowerPoint slides and small workgroup lab exercises covering:

- Electrical Safety
- Static Electricity
- Lightning
- Conductors & insulators
- Battery sources
- Components & terms.
- Ohms Law
- Series & parallel dc circuits
- Ac circuits
- Reactance & impedance
- Introduction to digital electronics
- Binary math
- Basic logic circuits
- Analog to digital conversion

**Target Audience:** The E-Basic course is designed for network people and network facing contractors. This training is geared for both the newcomer to electricity and electronics or as a refresher for intermediate level people.

**Course materials supplied:** A copy of all slides and a circuit bread-boarding kit are provided. Certification is provided upon passing a written open-book test.

**Min/Max class size:** Although the target class size is 15 students, any class size from 5 to 30 is possible.

**Prerequisite skills:** Basic math skills. A familiarization with algebra and trigonometry is helpful but not necessary.

**Cost:** As this is a suit-cased course, travel and living time and expense can have a significant impact on overall cost as will the availability of suitable conference room facilities. Please contact us for a site-

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specific quotation. We'll need to know the approximate headcount, where in the country and whether a suitable conference room is available.

**For more information:** Please contact us at (215) 880-2488 or email [dan@danmcmenamin.com](mailto:dan@danmcmenamin.com)