

# CONDUCTORS: RACEWAY FILL, AMPACITY AND MORE

**COURSE #: CND100**

**4**  
CEUs

## COURSE PURPOSE

This fast-paced, four-hour seminar weaves through the NEC, to roadmap the basics of conductor selection for general use. Application of various tables and ampacity calculations for temperature corrections are incorporated with practice problems throughout the session. Individual conductors, cables (NM, etc.) and cords (SOO, etc.) require the electrician to know the where, what, when and importantly why the of derating of ampacities is crucial to the life of the system.

## WHAT YOU WILL LEARN

- How to use NEC tables to select conductors
- How to use NEC tables to select raceway
- How to calculate ampacity with temperature corrections

## COURSE SYLLABUS

- Article 110: Electrical Installations
- Identification
- Article 300: Wiring Methods
- Article 310: Conductors for General Wiring
- Article 400 (and Tables): Flexible Cords and Cables
- Practice Problems

## COURSE LENGTH



Half day

## WHO SHOULD ATTEND?



Individuals who will be calculating ampacity to select appropriate conductors, cables and cords should take this course.

## STUDENT MATERIALS



Participants should bring a calculator and their NEC Code book.

## HANDS-ON EXPERIENCE



You will have the opportunity to demonstrate your understanding of the NEC by using the NEC in class sessions, in-class tests and homework.

**REGISTRATION INFORMATION**

 [www.vanmeterinc.com/events](http://www.vanmeterinc.com/events)

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