

Title of Course: Grounding and Bonding

Course Syllabus: This is an extensive and in-depth course covering article 250 of the National Electrical Code. The emphasis is on solidly grounded ac systems operating at 1,000V or less, although ungrounded and impedance grounded systems are discussed as well.

Topic Outline

8:00 am – 10:00 am	Instruction: Article 100 and 250.1 through 250.4	2 hrs
10:00 am – 10:15 am	Break	15 min
10:15 am – 12:00 noon	Instruction: 250.6 through 250.36	1 hr 45 min
12:00 noon – 1:00 pm	Lunch	
1:00 pm – 3:00 pm	Instruction: 250.50 through 250.97	2 hrs
3:00 pm – 3:15 pm	Break	15 min
3:15 pm – 5:00 pm	Instruction: 250.100 through 250.148	1 hr 45 min
Total CE Hours		8 hours

Course Objectives: This course discusses the requirements for grounding and bonding of both systems and equipment in the NEC. We spend a great deal of time in the first hour ensuring that the participants have a good understanding of electrical theory as it relates to the topic. The differences and the roles of earth grounding and bonding of metal objects is discussed in great detail, as this is a commonly misunderstood concept and indeed a dangerous one.

Method of Presentation: Microsoft PowerPoint® Presentations