



<b>Course Name</b>	System Grounding & Bonding (2020 NEC)
<b>Credit Hours</b>	4 Hours
<b>Course Description</b>	<p>This course will cover system grounding and bonding according to the 2020 National Electrical Code. The following topics will be covered: grounding and bonding basics, grounding and bonding at services, grounding and bonding at transformers, and grounding and bonding at generators.</p>
<b>Reference Materials</b>	NFPA 70 National Electrical Code 2020 Edition
<b>Learning Outcomes</b>	<p>At the completion of the course, licensees will be able to:</p> <ul style="list-style-type: none"><li>• Describe the basics for grounding and bonding.</li><li>• Identify requirements for grounding service-supplied alternating-current systems.</li><li>• Identify installation requirements for main bonding jumpers and system bonding jumpers.</li><li>• Interpret Table 250.66 in the 2020 National Electrical Code.</li><li>• Describe requirements for grounding electrode conductors and bonding jumper connections to grounding electrodes.</li><li>• List electrodes permitted for grounding.</li><li>• Describe requirements for grounding electrode system installations.</li><li>• Describe requirements for grounding electrode conductor installation.</li><li>• Describe requirements for separately derived systems with more than one enclosure.</li><li>• Describe requirements for separately derived alternating-current systems.</li><li>• Describe requirements for permanently installed generators.</li></ul>
<b>Course Timed Syllabus</b>	Attached
<b>Method of Presentation</b>	<p>This online course uses text and graphics. Multiple choice questions are used to test how well the student understands the material. Each answer choice has a response which tells the student whether the selected answer is correct or not. A running score is displayed so each person can track their</p>

progress through the class. The learning event is asynchronous and formatted as a visual lecture.

**Attendance Verification**

This course uses personal identification questions to verify attendance. A set of five simple personal ID questions are asked of a licensee before they start a course and then again, randomly, throughout the course (at least one question is asked every 30 minutes). All questions have four preset answer choices. The licensee must answer in the same way as they did at the start of the course to be able to continue training.

This course also employs an inactivity timer, which will automatically log a licensee out of the training if the system does not sense a mouse click within 30 minutes. At the end of the course, the licensee must affirm their name, that they are the one who completed the course, and verify that their registration information is correct.

**Method of Assessment**

The licensee must complete all 50 multiple choice questions with a score of at least 75% in order to get credit for the course. Question choices are randomized, so each participant will have a unique testing experience. The course is also timed; participants will not get credit until they spend at least 200 active minutes in the course. Lastly, this course is set up to allow users to go back through the section questions and re-answer questions while they meet the time requirement.

**Schedule and Location**

This course may be taken at any time at [www.JadeLearning.com](http://www.JadeLearning.com). The student may sign in and out of the course as many times as needed to complete the course.

**Online Review Access**

To review this course, go to [www.JadeLearning.com](http://www.JadeLearning.com). Click on the orange Login button on the top right and sign into the learning system using the login information below.

Username: UTEtester

Password: UTEtester

**Cost**

\$49.00