JADELearning
Power Your Career

Course Name	Installing Services (2020 NEC)
Credit Hours	4 Hours
Course Description	This course will cover installing services definitions in 2020 NEC and requirements in the 2020 NEC for electrical installations with regards to installing services, including overhead service conductors, underground service conductors, service-entrance conductors, general service equipment, disconnecting means of service equipment, overhead protection for service equipment and practical application of installing services for a sample location.
Reference Materials	NFPA 70 National Electrical Code 2020 Edition

Learning Outcomes

At the completion of the course, licensees can expect to be able to:
- Define four terms related to installing services.
- Describe the requirements for installing services above a roof.
- Interpret Table 300.5 in the 2020 National Electricians Code.
- Describe the requirements for service entrance conductors.
- Identify what indicates service equipment has been field evaluated.
- Explain the requirements for disconnecting means of service equipment.
- Describe which types of conductors require overload protection.

Given a blueprint, the learner will be able to:
- Implement requirements for grounded conductors.
- Calculate the combined rating for service disconnects.
- Calculate the size of ungrounded conductors to carry an unbalanced load.
- Apply Table 310.16 in the 2020 National Electricians Code.
- Apply Table 250.102(C)(1) in the 2020 National Electricians Code.

Course Timed Syllabus	Attached

Method of Presentation

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 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. 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. 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