

**Course
Format**

4 Hours For 2022 License Renewal. Available Fault Current

Credit Hours: 4 hours

Timed Course Outline: Attached

Materials & Questions: To review the courses, please login with username: UT@ElectricalLicenseRenewal.com and password: ut2020 at www.ElectricalLicenseRenewal.com

Schedule / Class Size: Online 24 hours a day, 7 days a week, 365 days a year; The size of classes varies as people log on and off all day and night according to their convenience.

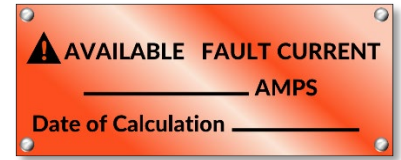
Course Description: This Utah Electrical Continuing Education License Renewal Course examines the difficult topics of available fault current, short circuit current ratings, fully rated and series rated electrical systems and places them in an easy to understand format as related to the National Electrical Code.

Our courses use electrical inspection pictures, custom graphics, informational videos, commentary from code experts and more to discuss the topic and code references and explain their significance to real world installations. Material is presented on the subject matter for exploration then the student can move on to the final section of the topic which is the assessment to determine what the student learned about the subject matter that was presented. Several of the assessment questions require the student to determine whether an electrical inspection image is code compliant using the applicable code language.

Course Objectives: After completing this course the licensee will have a better understanding of what available fault current is, where it comes from, how available fault current can be determined and how to properly apply the available fault current values when selecting electrical equipment ratings. This course will also assist the student in determining if an electrical system is fully rated or has been properly series rated. The student will gain better understanding on what options can be used if electrical equipment is not rated for the maximum available fault current that is present at the line terminals.

Method of Presentation: This interactive online web browser-based internet course requires the participant to navigate through an array of images, videos and explanatory commentary from code experts relative to the code changes that will have the biggest impact on an electrician's daily job performance.

A grid of topics can be tackled sequentially or in code order. In each section, the learner can explore and digest the impact of the code



language and consider the effects the code language has on the typical electrical installation.

Afterwards an image or video related to the content is examined or watched. To reinforce the reasoning behind the code language; past codes, statutes, laws, and rules are examined to understand the logic presented in the current code language.

Material is presented on the subject matter for exploration before moving on to the final section of the topic being explained. The final section of the topic is the assessment to determine what the student learned about the subject matter that was presented. Several of the assessment questions require the student to determine whether an electrical inspection image is code compliant using the code language. An instructor's response to the solution attempt by the student is presented afterwards to explain why the answer(s) submitted is either right or wrong.

The combination of the commentary, illustrations, inspection photos and assessment questions are intended to satisfy many different learning styles in order to appeal to cognitive, verbal, visual, kinesthetic and auditory learners. The delivery style of segmented and encapsulated learning sections / modules has been shown to increase learning and especially retention in today's ever evolving touch-and-go world.

Method of Evaluation:

On the website www.ElectricalLicenseRenewal.com, the licensee must complete all 50 multiple choice questions with a score of at least 75% in order to pass the course. Credit will not be awarded unless the licensee has completely answered all questions, satisfied the timer and the passing grade has been met.

Participation / Mastery:

A student database is maintained that records and saves student information such as name, address, license number, occupational code and title, name of course, number of questions completed, number of questions answered correctly and incorrectly, answer rates, interface interactivity, geolocational information, and the status of the course timers are just a few of the many metrics that are collected, observed, and acted upon for each and every student. The database is updated in real time as a student is active in the course. The information in the student database is used to electronically report student records to the Department of Business and Professional Regulation.

Instructor Qualifications:

The Resume and Professional Qualifications of course instructor Jeffrey Simpson are included.

Instructor Support:

Course instructor Jeffrey Simpson can be contacted for content support through our contact form available in every content section and on the website.

Security Procedures:

Registration/Login: Users must register with their unique username and password and email address.

Course Timer: The course includes a timer that does not allow a student to complete a course until the time requirement of 4 Hours (200 Minutes) has been satisfied at minimum, with an inactivity timer of 30 minutes that triggers an automatic user sign-out with loss of time.

Passing Grade: In addition to the timer a passing grade of 75% must be achieved in order to complete.

Course completion: Will not be awarded unless the licensee has completely answered all questions, timer has been met, affidavit signed, security questions answered correctly, and a passing grade has been achieved.

Transmittal: After payment is optioned, transmittal occurs with the UT DOPL's notification system and with the student's electrical license number originating from our servers directly to DOPL's allowing for verification of authenticity of notifications.