

NEC Application and Review Info Sheet

Course Information

Course Length – 8 hours

Course Description - This course is administered in conjunction with the National Electrical Code Update course. The combined session of NEC Code Update, and NEC Application and Review takes 8 hours to complete. The purpose of this course is to provide students the opportunity to properly resolve code-based scenarios in accordance with the 2020 National Electric Code. Participants will advance their knowledge of the Code and further advance their ability to locate, interpret, and apply requirements through scenario-based activities, discussion, and practical exercises based on key concepts in the 2020 edition of the NEC.

Who Should Attend - This class is appropriate for anybody that is involved with electrical work, oversight, program development, hazard mitigation, or work planning. This would include apprentices, licensed electricians, supervision, management, planners, and engineers.

Accreditation - This course is certified for Continuing Education Credits (CEUs) in Washington, Idaho, Oregon, and Colorado and is certified with the International Code Council (ICC) .

Terminal Objective

Upon completion of NEC Application and Review training, participants shall be able to apply the proper articles and tables to find compliant resolutions to code-based scenarios in accordance with NFPA 70 National Electrical Code 2020 edition. This will include scenarios involving wiring methods, grounding, overcurrent protection, and application of recent code updates.

Topics Covered:

- GFCI Requirements
- Reconditioned Equipment
- Lighting Loads
- Grounding
- Voltage Drop
- Wiring Methods
- Box Fill Calculations
- OCPD and Conductor Sizing
- Hazardous Location Classes

References

1. NFPA-70E Standard for Electrical Safety in the Workplace, 2021 edition
2. NFPA-70 National Electrical Code, 2020 edition
3. Analysis of Changes – 2020 NEC PowerPoint Presentation, International Association Electrical Inspectors (IAEI)