Prep for NICET Level I & II - AFAA 037

Course Description

In this course, participants will take an in-depth look into the codes and standards referenced by NICET for fire alarm certification. The course is designed for anyone considering or preparing to take a certification exam or simply seeking additional knowledge of the codes and standards governing fire alarm design, installation and general work practices. The interactive nature of the course delivery and practical exercises will improve participants knowledge of the use and application of NFPA 72, the NEC, and the building and fire code requirements for fire alarm systems. In addition, attendees will have the opportunity to dialogue with instructors familiar with the certification and testing process.

Learning Objectives

At the conclusion of the course, participants will be able to:

• Understand the purpose, scope, structure, layout, and application of NFPA 72-2013, the NEC (2011 edition) and the 2012 edition of the International Building Code.

• Distinguish between codes and standards and how those differences apply to certification.

• Recall where to locate information within the codes and standards referenced by NICET.

• Recognize proper wiring methods as required by the NEC.

• Prepare simple shop drawings after assembling basic project information.

Course Length: 2-days (14 hours total – 7 hours per day) – Students must attend both days.

IMPORTANT - YOU MUST BRING A COPY OF NFPA 72-2013 OR ORDER A COPY FROM US (If you are ordering from AFAA please place the order 2 weeks prior to the course start date)
You must bring or have access to a copy of the 2012 International Building Code (on day 2).

Fire Alarm Plan Review – AFAA036

This application course describes the common problems associated with the plan review process and offers suggestions for improvement by providing plan review and acceptance test checklists, spreadsheets to determine battery and voltage drop calculations, determining proper spacing of smoke detectors, exercises to determine proper audibility of fire alarm notification appliances and proper sizing and placement of visible notification appliances, as well as reviewing new requirements for monitoring fire alarm systems. This seminar is intended for authorities having jurisdiction involved in fire alarm system plan review, contractors providing submittal documentation for plan review and fire alarm system designers. This seminar is based upon IBC-2015, NFPA 101-2015, NFPA 72-2016 and NFPA 70-2014(NEC).

COURSE OBJECTIVES

1. Review the Requirements for Plan Review and Submittals based on the International Building Code and NFPA 72. 2. Review of pre-plan and plan review checklists examples 3. Review secondary power supply requirements including battery-set calculations 4. Review voltage-drop limits including voltage-drop calculations 5. Review smoke detector location and spacing requirements including practical exercises 6. Review fire alarm audible notification requirements including practical exercises 7. Review fire alarm visible notification requirements including practical exercises 8. Review of pre-acceptance/acceptance testing checklist examples.

7 Contact Hours Continuing Education - Participant must attend entire seminar to receive credit.

MATERIAL WE PROVIDE
Student workbook / reference manual

MATERIAL YOU PROVIDED
Calculator, pencils and note paper

CEU hours for Engineers- The Registered Continuing Education Providers Program (RCEP) is a single comprehensive education management system for engineers, surveyors, design professionals and quality education providers. Managed by the American Council of Engineering Companies.