



## January

16 Grand Opening

## February

12 International Electrical Code/National Electrical Code Cooper Crouse-Hinds

23-27 Installer Training Cooper Safety

## March

2-6 Masters Club Cooper Crouse-Hinds

6 Technical Design Considerations Cooper B-Line

12 Electrical Construction Material Basics Cooper Crouse-Hinds

18 Over-current Protection Basics with Emphasis  
on Selective Coordination Cooper Busmann

23-27 Field Engineer Training Cooper Safety

24-26 Transformer Applications Seminar/  
Capacitor Applications Seminar Cooper Power Systems

30-31 Industrial Lighting Solutions Cooper Lighting/Crouse-Hinds

## April

1-2 Energy Lighting Solutions Cooper Lighting

9 International Electrical Code/National Electrical Code Cooper Crouse-Hinds

14 Basic Electrical Product Solutions Cooper Industries

16 Electrical Construction Material Basics Cooper Crouse-Hinds

20-24 Installer Training Cooper Safety

28 Fusible Design for Building Systems Cooper Busmann

# Curriculum Descriptions

## **Installer Training—Cooper Safety**

The installer training course is designed for individuals responsible for the installation of the WAVES hardware. Training includes, but is not limited to, installation of TRXs, antennas, lightning protection modules, uninterruptible power supplies, speakers, strobes, wired activators and high-powered speaker arrays.

## **Over-current Protection Basics with Emphasis on Selective Coordination—Cooper Bussmann**

This seminar focuses on the new NEC selective coordination requirements for over-current systems, why they exist, basic fuses or circuit breaker coordination capabilities and some hands-on exercises.

## **Energy Lighting Solutions—Cooper Lighting**

With the shift of design concerns toward methods of minimizing environmental impacts of buildings and reducing energy use, this two-day class focuses on lighting design techniques for industrial, commercial, manufacturing and warehouse environments.

## **Electrical Construction Material Basics—Cooper Crouse-Hinds**

This class will cover an overview of product design and applications for Hazardous Area Locations. Cooper Crouse-Hinds provides a wide range of solutions for global product requirements for installation in hazardous areas.

## **Industrial Lighting Solutions—Cooper Lighting, Cooper Crouse-Hinds**

This two-day class will focus on industrial lighting basics for general indoor and outdoor applications, with an emphasis on emerging energy-saving technologies. Content focuses on heavy industrial hazardous location fixtures from Cooper Crouse-Hinds. The course features state-of-the-art technologies including induction lamps and LED's, and how they enhance energy savings, safety and productivity.

## **Fusible Design for Building Systems—Cooper Bussmann**

This seminar will cover key aspects in designing fusible building electrical systems. Content will include system and application considerations for selecting and sizing fuses. In addition, there will be some discussion on fusible equipment selection such as switchboard, MCCs and panelboards.

## **Electrical Power Systems Maintenance and Safety—Cooper Bussmann**

The NFPA 70E requires that over-current protective devices (OCPD) be properly maintained, either according to the manufacturer's instructions or to industry consensus standards. This session discusses the effects of improper maintenance and how a maintenance program can help save a company money.

## **Masters Club—Cooper Crouse-Hinds**

Offering a balance of classroom lecture, demonstrations and hands-on workshops, this program includes an overview of global hazardous location classifications and training on the entire line of Cooper Crouse-Hinds electrical products, to help distributor partners offer customers the right solution for the right application.

## **Field Engineer Training—Cooper Safety**

This training course is designed to provide the basic skills necessary to conduct site surveys, ensure proper radio frequency network connectivity and determine intelligibility requirements that meet the customer's needs.

## **Transformer and Capacitor Application Training—Cooper Power Systems**

This course will provide an overview of the application of power capacitors with an emphasis on capacitor bank design, power factor improvement, harmonic mitigation, application issues, protection and specification development in typical commercial and industrial facilities. The class will also cover transformer design and construction, ratings, voltage designations, connections, features, accessories, dielectric fluids and NEC compliance.

## **Basic Electrical Product Solutions—Cooper Industries**

This is the first cross-division electrical training course offered by Cooper Industries. The course will provide an introduction to the breadth of Cooper's electrical products for industrial environments. Divisions represented in the training include B-Line, Bussmann, Crouse-Hinds, Lighting, Safety and Wiring Devices.

## **Technical Design Considerations—Cooper B-Line**

This half-day seminar explores how to effectively engineer support systems including cable tray, strut systems, etc.

## **IEC/NEC—Cooper Crouse-Hinds**

This one-day course offers a comparison between the International Electrical Code and the National Electrical Code through the installation methods of electrical products.

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