

Chicagoland Electric Association Education Foundation 2018 Fall Semester Education Programs

Why take our classes? We have been training the Chicagoland electrical industry for over 90 years. Our Instructors are highly qualified, Chicago industry experts. They each have decades of experience, which provides a “real life” practical approach to our training programs. Students can take what they learn and apply it to their job the very next day. **All students will receive professional development hours for successful completion of coursework.**

Additionally, the Electric Association Education Foundation can create classes to meet the needs of the industry - and your company. If you have a number of employees that need training on a specific electrical or professional development topic, contact us and we can create a custom course just for you.

Electric Association Members may take advantage of reduced registration costs.

Fall Semester classes begin the week of September 10th.

Course Locations:

Electric Association, 17W733 Butterfield Rd., Suite B, Oakbrook Terrace, IL 60181
Jamerson & Bauwens Electrical Contractors, 3160 MacArthur Blvd, Northbrook, IL 60062

Steiner Electric training center, 1275 Touhy Ave., Elk Grove Village, IL 60007
IIT Wheaton Campus, 201 East Loop Rd., Wheaton, IL

Register Online: www.eachicago.org



Chicagoland Electric Association Education Foundation

17W733 Butterfield Road, Suite B, Oakbrook Terrace, Illinois 60181
(630) 305-3050

Email Inquiries: akasser@eachicago.org
www.eachicago.org

Fall 2018 Semester Classes

ABC'S OF ELECTRICITY This 10-week course presents the fundamentals of electricity in a simple manner. ABC's of Electricity is directed at individuals who have no technical background, and should serve as a foundation for further study in the electrical field. This course will cover: the nature of electricity (voltage, current, and resistance), Simple CD Circuit Analysis, (Ohms Law, Series, Parallel & Combination Circuits), Electrical Power & Work, Electromagnetism (magnetism, electromagnets, transformers), Generators & Motors (simple overview of AC&DC), Alternating Current, (AC principles, phase relationships, impedance, power factor), and Electrical Power Systems (generation, transmission, distribution).

This class is held every Wednesday for 10 weeks from 4pm to 6pm, beginning September 12th. Classes are held at the Oakbrook Terrace location. Registration: Member Rate - \$495 / Non-Member Rate - \$595 Instructor: Brett Riedl

ADVANCED ELECTRICITY This 6-week course is directed at individuals who have completed the ABC's of Electricity and who want to further their studies in the electrical field. The focus of this course will be single-phase and three phase AC concepts.

This class is held every Wednesday for 6 weeks from 6:15pm to 8:15pm, beginning September 12th. Classes are held at the Oakbrook Terrace location. Registration: Member Rate - \$395 / Non-Member Rate - \$495 Instructor: Brett Riedl

ELECTRICAL CODE This 10-week course covers the history, development, and implementation of the most recent version of the National Electrical Code and the latest Chicago Electrical Code. This is an excellent preparation course for the City electrical examination. Each student will receive a copy of the latest NEC Handbook on the first day of class.

This class is held every Tuesday for 10 weeks from 5:30pm to 8:00pm, beginning September 18th. Classes are held at the Oakbrook Terrace location. Registration: Member Rate - \$550 / Non-Member Rate - \$650 Instructor: Dan Caddigan

MAJOR CHANGES TO THE CITY OF CHICAGO ELECTRICAL CODE The first half day seminar covers changes between the Chicago Code and the 2017 NEC. (Class date: October 16th - 1pm to 5pm) The second half day seminar covers changes between the 2018 and 2000 Chicago Code (Class date: November 13th - 1pm to 5 pm) Seminars are held at the Electric Association in Oakbrook Terrace. You can register for this class with or without the new Chicago Electrical Codebook. Registration with Codebook: Member Rate - \$275/Non-Member Rate - \$375/Registration without Codebook: Member Rate \$125/Non Member Rate: \$225 Instructor: Dan Caddigan

BASICS OF ELECTRICAL BLUEPRINT READING This half day seminar is a good starter for office staff, journeymen, estimators, sales professionals, and project managers. The course will cover all aspects of reading an electrical blueprint, including symbols, nomenclature, schedules, and specifications to a point so you will be able to look at a drawing and understand what the engineer/architect is trying to convey.

This half day workshop will be held on October 3rd from Noon to 3:30pm. This class is held at the Oakbrook Terrace location. Registration: Member Rate - \$195 / Non-Member Rate - \$295 Instructor: Brett Riedl

BASICS OF ELECTRICAL ESTIMATING This 2-session course will cover the basic principles of commercial electrical estimating. You will learn how to use electrical estimating tools, understand blueprints, and prepare a successful & profitable bid. This seminar will also review labor units, material costs, and writing a professional proposal.

This class will be held in two sessions: Oct 23rd & Oct 30th from 1:00pm to 4:30pm. This class is held at the Steiner Electric training facility in Elk Grove. Registration: Member Rate - \$325 / Non-Member Rate - \$425 Instructor: Ken Gordon

INTRODUCTION TO COMPUTERIZED ELECTRICAL ESTIMATING This 8-week course helps contractors, estimators, and electricians obtain new skills in preparing accurate, competitive bids with fewer mistakes and forgotten items. This hands-on class uses computer applications such as: Microsoft Excel, Accubid, and TRF. This course is universal and is applicable to other estimating software. Computers are provided onsite.

This class is held every Tuesday for 8 weeks from 5:30pm to 8:00pm, beginning September 18th. Classes are held at Jamerson & Bauwens in Northbrook, Illinois. Registration: Member Rate - \$450 / Non-Member Rate - \$550 Instructor: Ken Gordon

REVIT MEP ELECTRICAL TRAINING: 2 SESSIONS The Revit training program includes two sessions focusing on the fundamentals through intermediate level skills. Participants are expected to participate at both workshops.

SESSION 1 - FUNDAMENTALS: The first workshop introduces new users to the interface and basic building components of the software. The main goal is to familiarize users with the tools necessary to create, modify, and document your parametric model. This is an instructor-led, hands-on learning environment. Topics include: Introduction to Revit MEP Interface, Basic Drawing and Editing Tools, Linking Revit models, Creating Views, Annotating, Modeling Cable Tray & Modeling Conduit, Creating Connection Geometry, Placing electrical components (hosted vs standalone), Sheets

SESSION 2 - INTERMEDIATE: The main goal of this session is to familiarize you with the tools necessary to create, modify, and document your parametric model, with a focus on specific content creation and modification relating to Building-Electric asset design Topics include: Power Workflow, Adding Equipment & Fixtures, Creating Circuits, Wiring Circuits, Panel Schedules, Lighting Workflow, Placing Lighting Fixtures, Copy monitor, Adding light switches, Creating a switch system, Lighting schedule and Lighting tags. **These sessions will be held on October 17 and October 18, from 8:30am to 4pm.** Students are expected to attend both class sessions. The class will be held at the Illinois Institute of Technology, Wheaton - Rice Campus. Registration: Member Rate - \$595 / Non-Member Rate: \$695

PREVENTING HARASSMENT & UNDERSTANDING DIVERSITY

Program objectives:

1. Develop skills in preventing harassment, building diversity and teamwork.
2. Learn new strategies of promoting diversity and building collaboration.
3. Understanding discrimination laws and what to do.

Effective organizations need effective work teams. Preventing harassment and building a diverse workforce is critical in today's competitive global society. This engaging half-day program will help you learn how to prevent harassment and promote diversity, and build teamwork. This program is ideal for all employees, especially those who are in leadership positions. This session can help serve as compliance training for employees. October 11th from 8:30am to Noon. This class is held at the Electric Association in Oakbrook Terrace. Registration: Member Rate - \$150 / Non-Member Rate - \$250 Instructor: Dan Tomal, PhD.

LEADING & MOTIVATING PEOPLE An interactive, "to-the-point" session designed to assist managers and supervisors in learning practical tips and strategies in leading, motivating, and coaching people to obtain higher performance. Strategies, leadership styles, techniques, case studies, discussion, handouts and a short video are used in this session. This class will be held on **October 11th** from 1:00pm to 4:30pm. This class is held at the Electric Association in Oakbrook Terrace. Registration: Member Rate - \$150 / Non-Member Rate - \$250 Instructor: Dan Tomal, PhD.

EFFECTIVE NEGOTIATING Life is a negotiation process. We negotiate every day in lives---with family, clients, sales, and associates. This lively, interactive session focuses on understanding negotiating principles, strategies, and tactics when dealing with all people in order to build relationships and win-win interpersonal relations and agreements. The objective of this half day workshop is to assist the participants in: Developing their skills in negotiating and relationships; Developing skills in collaborative "win-win" negotiating with clients, business associates, sales, and others. This class will be held on **November 1st** from 8:30am to Noon. This class is held at the Electric Association in Oakbrook Terrace. Registration: Member Rate - \$150 / Non-Member Rate - \$250 Instructor: Dan Tomal, PhD.

BUSINESS & PROPOSAL WRITING This half day session is designed to improve the participants' skills in technical writing--memos, reports, letters, and technical proposals. Participants learn how to avoid common errors, conceptualize technical ideas, develop successful first-drafts, edit letters, and communicate effectively and efficiently. Participants are encouraged to bring samples of their writing and can receive feedback. This workshop will meet the following objectives: Constructing well-organized, clear, and concise letters, reports, and other correspondence; Developing skills in grammar, sentence structure, language, tone, and style; Developing skills in planning, organizing and editing business and technical writing. This class will be held on **November 1st** from 1:00pm to 4:30pm. This class is held at the Electric Association in Oakbrook Terrace. Registration: Member Rate - \$150 / Non-Member Rate - \$250 Instructor: Dan Tomal, PhD.

Don't See the Topic You Need?

Don't see the topic you need? Contact us and provide a description of the course you are looking for. We will try to host the class during the next semester, (or) if you have several people in need of training from your company, we can hold a class just for you, using your classroom or ours! Contact us and provide a description of the training you need. Contact Amy Kasser: 630-305-3050 / akasser@eachicago.org Chicagoland Electric Association Education Foundation, 17W733 Butterfield, Suite B Oakbrook Terrace, IL 60181

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CHICAGOLAND ELECTRIC ASSOCIATION EDUCATION FOUNDATION - FALL 2018 SEMESTER REGISTRATION

* Complete this form and return with payment at least eight days before your first class session to: CEAEF, 17W733 Butterfield Road, Suite B, Oakbrook Terrace, IL 60181 Phone: 630-305-3050, Fax: 630-305-3056, or Email to: akasser@eachicago.org

Name: _____ Company: _____

Company Address: _____

City, State, Zip: _____

Phone: _____ E-Mail Address: _____

COURSE(S) YOU WISH TO ENROLL IN: _____

METHOD OF PAYMENT: Check made out to Chicagoland Electric Association Education Foundation

Visa MasterCard American Express (Credit Card Payments incur a 5% convenience fee)

Credit Card Number: _____ Exp. Date: _____

Name on Card: _____ Signature: _____

Cardholder Billing Address: _____

TOTAL AMOUNT: _____

EASY ONLINE REGISTRATION AT WWW.EACHICAGO.ORG