



**ADVANCING THE MECHANICAL  
CONSTRUCTION AND  
SERVICE INDUSTRY**

**MCA.ORG**



**Construction<sup>®</sup>  
Education  
Institute**

# SEPTEMBER 2017 COURSES

The Fall/Winter 2017-2018 semester of the Construction Education Institute is here! Check your mail for a copy of the full Seminar Catalog, or learn more about our classes below.

**Register online for all courses at [www.mca.org/education](http://www.mca.org/education)**

## **BLUE BEAM LEVEL 1**

September 6 @ 9:00 am - 12:00 pm

Users will be walked through the basics of this powerful PDF management program. Blue Beam allows the extensive editing of documents, creation of layers for comparing CAD drawings as overlays. Copy sections, save repetitive tasks, number pages, and combine multiple documents into one.

## **CPR & FIRST AID WITH AED**

September 7 @ 8:00 am - 2:00 pm

Contractors with workers who have received up-to-date CPR/AED and First Aid training stand to gain plenty and to lose only one thing. Lose what, you ask? Lose the likelihood that an emergency on their job sites may not get a quick, effective first-aid response because no one knows what to do in this situation. Prompt CPR coupled with the application of Automated External Defibrillator (AED) when needed can increase the survival rate above 90%! This is the number one benefit of equipping your workforce with the best CPR training and equipment. The nationally recognized AHA CPR/AED & First Aid certification from this training lasts two years. This means your workers' certification cards will remain active longer, requiring less refresher training. Requests from owners for these cards continue to increase, giving companies with this training an important edge.

## **HANDS-ON HVAC FOR NON-TECHNICIANS**

September 12 @ 9:00 am - 3:00 pm, LU 597 Pipe Fitters Training School

This is the opportunity to send new hires or other office people to get a better idea of what's going on with your service contractors in the field. They will spend the day at the 597/MCA school in Mokena learning the same things that the HVAC apprentices do. They'll get a peek into things like brazing, trouble shooting and even chiller rebuilding. Engineers, sales people and others can benefit from this class if they have not been in the field before and it will help them understand your business even better.

Register to attend at

**[WWW.MCA.ORG/EDUCATION](http://WWW.MCA.ORG/EDUCATION)**

Confirmation will be sent prior to class date.

### **MCA CHICAGO**

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## **ENGINEER LUNCH: AN ENGINEER TALKS LEAN CONSTRUCTION**

September 15 @ 11:30 am - 1:00 pm, Harry Caray's on Kinzie

Lean Construction is being hailed by some as the next big thing in construction while others are calling it a fad. There are many different explanations on what Lean is and how it applies to construction. In this session, Dennis will clear the air about Lean and share his hands-on experiences. As an engineer he will discuss Lean from a straightforward approach. Those attending this event will walk away being able to explain why contractors, especially mechanical contractors, should apply Lean Construction to their operations. They will also be able to give a clear concise definition and share the basic concepts of Lean.

## **VFD AND ECM MOTORS SCHOOL (CBHCC)**

September 19 @ 4:30 pm - 6:30 pm

Students will be given an overview of VFD pump drives and ECM motors in pumps for new installations. The course will include: variable speed pumping, traditional VFD's, pumps with ECM motors and sensed versus sensorless control of pumps.

## **WEBINAR: INEIGHT SOLUTIONS**

September 20 @ 11:00 am - 12:00 pm

The first course in our Technology Close-Up Webinar Series. InEight will provide a brief overview of their company, as well as, their solutions including estimating, PCM, and modeling.

## **TESTING, BALANCING & ADJUSTING WATER SYSTEMS (6 NIGHT COURSE)**

Thursdays, September 21- October 26 @ 5:30 PM - 8:30 PM

This 6-session class covers balancing of water systems. Like its counterpart for air systems, instruction is both classroom and hands on. Class size is limited to 30 people. Cost is free to members, but there is a \$30 per person textbook fee, "Start, Test and Balance," published by the United Association.

## **EXECUTIVE POWER HOUR: MANAGING COMPANY RELATIONS IN A UNION ENVIRONMENT**

September 26 @ 11:30 AM - 1:30 PM

Developed with MCA's owners/president/CEOs, their HR leaders, and legal counsel in mind, this program allows you to come together and learn how to better manage HR & legal pitfalls with bargained and non- bargained employees. Lunch provided.

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