

Mechanical Contracting Industry Council of New Jersey

211 Mountain Avenue, Springfield, New Jersey 07081 0390

Tel: 973 912 0042 Email: mcanjinfo@mcanj.org

Fall 2023 MCIC Educational Offerings

Basic HVAC & Refrigeration (Combined class) | **September 12, 19, 26 - October 3, 17, 24, 31 - November 14**

8 Sessions, Tuesdays, September 12, 19, 26 - October 3, 17, 24, 31 - November 14 (No class on November 7th)

Instructor: Anthony Ranallo, ICC

*This **combined** class is a basic beginner's course that is practically oriented rather than technically oriented.*

Upon successful completion, the student will understand (Basic HVAC) the basics and general relationship of HVAC systems and components and the basics and general relationship of Refrigeration. Some of the topics include - Definitions, Heat Transfer, Heating Principals, Components, and Systems, Air Conditioning Principals; Components and Systems, System Sizing, Controls; Testing and Balancing. The student will also understand (Basic Refrigeration) Definitions, Refrigerants, Calibration, Temperature Ranges, Principles of Refrigeration, Components, and Systems, plus much more.

Plumbing Systems & Project Management | **September 14, 21, 28 - October 5, 12**

5 Sessions, Thursdays, September 14, 21, 28 - October 5, 12

Instructor: Daniel O'Gorman, Daniel O'Gorman, LLC

Learn to understand and manage plumbing systems using the latest addition of adopted codes; New Jersey Uniform Construction Code (UCC), National Standard Plumbing Code, International Mechanical Code, and International Fuel Gas Code. Topics to be covered include Drainage Waste and Vent (DWV) systems, Hot and Cold Water Systems, water heaters, backflow cross-connection control, natural gas systems, medical systems, stormwater systems, Hospital/Medical Care Facility, Barrier-Free, and American Disabilities Act (ADA). The class will also highlight specifications, drawings, schedules, substantial completion, and communicating with the plumbing inspector.

Blueprint Reading & Estimating | **September 20, 27 - October 4, 11, 18, 25**

HYBRID CLASS (In person or virtual) 6 Sessions, Wednesdays, September 20, 27 - October 4, 11, 18, 25

Instructor: Paul Freeman, ICC

This course will incorporate the fundamentals of Blueprint Reading and proceed into Estimating for Mechanical Contracting. Some of the topics covered will include: Terms, Symbols, Specification Reading, Isometric Drawings, Examination of Bid Documents, Pricing & Assembling the Bid.

American Red Cross - Standard First Aid, CPR & AED | **December 4**

Monday, December 4 – 4:00 - 7:30 p.m.

This course covers all aspects of First Aid, CPR, & AED. Because of American Red Cross regulations, space in this class is limited.

Fall 2023 MCIC Educational Offerings - Enrollment Form

ELIGIBILITY

Attendees must be journeymen, be employed by a contributing contractor to the Mechanical Contracting Industry Council, and be in good standing with their Local Union to participate in this program.

TWO WAYS TO ENROLL

Select the course(s) you would like to attend by checking the box placed before the class. You must obtain your employer's approval with his signature. Send your completed form by email (pshaughnessy@mcanj.org). Online registration is also available at <http://www.mccnj.org/application/>

TUITION, FEES, ATTENDANCE & COMPLETION CERTIFICATES

MCIC will pay all tuition and fees. Accepted applicants are **required** to attend all scheduled sessions. Should an attendee expect to miss any class, he/she **must** either call (973-912-0042) or email (pshaughnessy@mcanj.org) the MCIC office before the start of that particular class. Each student meeting the attendance policy will receive a Certificate of Completion.

CLASS LOCATION AND TIME

MCIC office, 211 Mountain Avenue (Side entrance), Springfield, NJ 07081-0390 from **7:00-9:30 p.m.**, unless otherwise specified in the course description.

Select course(s): **I meet the eligibility requirements as described above** ☐

☐ **Basic HVAC & Refrigeration:**
8 Sessions, Tuesdays, September 12, 19, 26 - October 3, 17, 24, 31 - November 14 (**No class on November 7th**)

☐ **Plumbing Systems and Project Management:**
5 Sessions, Thursdays, September 14, 21, 28 - October 5, 12

☐ **Blueprint Reading and Estimating:** **HYBRID CLASS - CHOOSE ONE** VIRTUAL IN PERSON 6
6 Sessions, Wednesdays, September 20, 27 - October 4, 11, 18, 25

☐ **American Red Cross Standard - First Aid, CPR & AED:** 1 Session, Monday, Dec. 4 - **4:00pm-7:30pm**

All fields below are REQUIRED. All correspondence, including class confirmation, will be sent via email.

Applicant's Full Name

Applicant's Cell #

Applicant's Email Address

Employer's Name

Employer's Union Affiliation(s)

Employer's Address

Employer's Phone

Applicant's Present Position

Approved by (Your Employer's Name and Title)

**Email your completed Enrollment Application to pshaughnessy@mcanj.org OR
sign-up online: <http://www.mccnj.org/application/>**