

Mechanical Contracting Industry Council of New Jersey

211 Mountain Avenue, Springfield, New Jersey 07081-0390

Tel: 973-912-0042 – Contact Email: pshaughnessy@mcanj.org

MCIC Educational Offerings – Fall 2024

All classes are in-person only.

Basic HVAC & Refrigeration (Combined class) | September 10, 17, 24, - October 1, 8, 15 and 22

7 Sessions: Tuesdays, 9/10, 9/17, 9/24, 10/1, 10/8, 10/15, & 10/22

Instructors: Anthony Ranallo, Sander Mechanical Service, and Frank Raimondi, United Cooling

*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 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 | October 3, 10, 17 24, - November 7

5 Sessions: Thursdays, 10/3, 10/10, 10/17, 10/24, and 11/7

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 Facilities, 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 11, 18, 25 - October 2, 9 and 16

6 Sessions: Wednesdays, 9/11, 9/18, 9/25, 10/2, 10/9, and 10/16

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 2

Monday, December 2 – 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.

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.

Return the completed enrollment form to pshaughnessy@mcanj.org

MCIC Educational Offerings - Enrollment Form Fall 2024

All classes are in-person only.

ELIGIBILITY

Attendees must be journeymen, 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 want 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.mcicnj.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, they **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 described above.**

Basic HVAC & Refrigeration: 7 Sessions: Tuesdays, 9/10, 9/17, 9/24, 10/1, 10/8, 10/15, 10/22

Plumbing Systems and Project Management: 5 Sessions: Thursdays, 10/3, 10/10, 10/17, 10/24, 11/7

Blueprint Reading and Estimating: 6 Sessions: Wednesdays, 9/11, 9/18, 9/25, 10/2, 10/9, 10/16

American Red Cross Standard - First Aid, CPR & AED: 1 Session, Monday, December 2 – **4:00 p.m.-7:30 p.m.**

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.mcicnj.org/application/>