



## UA PLUMBERS LOCAL 1 TRAINING CENTER

NEW YORK CITY

37-11 47th Avenue, Long Island City, N.Y. 11101

ARTHUR O. KLOCK JR.  
Director of Trade Education

### **SERVICE DIVISION HELPER TRAINING PROGRAM**

The goal of the Service Helper Training Program is to provide job related training to our Service Helper population to make the Helper more productive and effective in his / her role of assisting Service Journeyworkers, and to prepare our Helper population to eventually assume the role of Service Journeyworker. As a Service Helper advances in skills through experience at work, and by attending related training sessions, the potential for advancement can be realized. To allow each individual Service Helper to fit school time into his / her work and home schedule, the Service Helper Training Program is conducted under an "open enrollment" format. It is a voluntary program. A Service Division Helper requesting to transition to the title of Service Journeyworker must:

- Be a 5th year Service Helper.
- Have at least 5,000 contribution hours in the immediate last 3 years reported to the PIB.
- Complete at least 400 hours of Related Training at the Training Center.
- Pass a final exam of Service Helper upgrade skills.

#### **To Participate in the program, you must first REGISTER.**

NOTE: Registration is required one time only. Registration allows the Training Center to set up a file for your school records to be maintained in the school office. If you previously registered, you do not need to register again.

Participation is offered to all SERVICE HELPERS. Registration cannot be done by telephone. *You must use the registration form to register for participation in the program.* To register, fax or mail a REGISTRATION form to:

Plumbers Local 1 Training Center 37-11 47th Avenue, Long Island City, New York 11101, or FAX to (718) 752 - 9634

### **ALL STUDENTS MUST ENROLL FOR ALL COURSES – NO WALK-IN'S**

All courses require a \$10.00 Non-Refundable course enrollment fee. This fee is collected to show that the Helper has made a commitment to attend the class. The course enrollment fee must be paid at the time of enrollment.

Note: Some courses require another course as a pre-requisite. Pre-requisite courses must be completed before you can enroll for the next course. Do not attempt to enroll for a course until you have completed any pre-requisite courses.

**Classes will be filled on a first come first served basis.**

**The Plumbing Service, Maintenance and Repair Manual – UA 1257 (\$90.00) is required for some classes.**

**It is available for purchase from the UA Bookstore.**

**The UA Bookstore can be reached at (301) 218-1241 or email [iptbookstore@uanet.org](mailto:iptbookstore@uanet.org).**

Courses are available to eligible participants as per ERISA regulations.

Training Center Evening Class Hours: 5:00PM – 9:30PM

# MES Helper Course Calendar Fall 2023 – Summer 2024

## Computer Skills for Plumbers

9 sessions **40-Hour Credit**

This course will provide a basic introduction to computer technology, theory and concepts including an introduction to computer terminology. Functions and capabilities of Windows operating systems, Microsoft Office applications, internet browsers and third-party programs are covered through lecture, discussion, and hands-on-assignments.

**Classes start on:**

**Tuesday, October 3, 2023**

**Tuesday, January 9, 2024**

**Tuesday, April 9, 2024**

*Note: Class will not be held on Union Meeting evenings!*

## Basic Electricity

9 sessions **40-Hour Credit**

*Pre-requisite: for this course you must have previously completed Mathematics Two*

This course will provide the student with the fundamentals of electricity needed to understand the function and operation of the electric and electronic controls used in connection with boilers and other mechanical systems. Specifics of boiler and mechanical system controls will be covered in a later course.

**New Classes start on:**

**Thursday, October 5, 2023**

## Building Water Supply Systems

9 sessions **40-Hour Credit**

This course will provide concepts of water supply in buildings. Subject matter will include the building water system from point of entry to point of use.

**New Class starts on:**

**Friday, October 6, 2023**

**Friday, April 12, 2024**

## Building Drainage and Vent Systems

9 sessions **40-Hour Credit**

This course will provide the student with a understanding of the Drainage and Vent systems in buildings. Subject matter will include the building drainage and vent system from point of use to the building sewer.

**New Class starts on:**

**Friday, January 12, 2024**

## **Copper & Cast-Iron Installations**

9 sessions **40-Hour Credit**

*Pre-requisite: for this course you must have previously completed Mathematics Two Formulas*

This course will cover the procedures for the correct installation of Copper Tube and Fittings as well as Cast Iron Pipe and Fittings. Students will execute piping projects to gain experience using the tools and methods associated with these piping materials.

*Required text: The Plumbing Service, Maintenance and Repair Manual – UA 1257*

### **PROPER JOBSITE ATTIRE IS REQUIRED**

**STUDENTS WILL BE REQUIRED TO BRING SAFETY GLASSES, WORK GLOVES AND RULE**

**New Classes start on:**

**Thursday, January 11, 2024**

**Thursday, April 11, 2024**

## **Introduction to Pipe Sketch & Blueprint Reading**

9 sessions **40-Hour Credit**

*Pre-requisite: for this course you must have previously completed Orthographic & Isometric Dwg.*

The purpose of this course is to provide the student with the basic knowledge needed to successfully navigate through a set of blueprints, to correctly execute a new installation or to troubleshoot a problem in an existing building.

**New Class starts on:**

**Wednesday, January 10, 2024**

*Note: Class will not be held on Union Meeting evenings!*

## **Mathematics One - Basic Math**

9 sessions **40-Hour Credit**

Basic math skills will be taught or reinforced so to enable the student to proceed to the later courses requiring basic math skills. (No use of calculator in this class)

**New Classes start on:**

**Monday, October 2, 2023**

**Monday, April 8, 2024**

## **Mathematics Two – Formulas**

9 sessions **40-Hour Credit**

*Pre-requisite: for this course you must have previously completed Mathematics One Basic Math*

This course will show how to take proper measurements and how to utilize those measurements in piping math formulas. Measurement and math will be discussed for operations such as layout and roughing of fixtures, economical layout of piping runs, figuring elevations and pitch, calculating values.

**New Class starts on:**

**Monday, January 8, 2024**

## **Orthographic & Isometric Drawing**

9 sessions **40-Hour Credit**

This course will provide the student with a basic understanding of the principles of mechanical drawing. Understanding the relationship between 2-dimensional images and real-world objects is the basic skill needed for blueprint reading. Students will learn to understand this concept by creating increasingly complex sketches of objects presented.

**New Classes start on:**

**Wednesday, October 4, 2023**

*Note: Class will not be held on Union Meeting evenings!*

## **Threaded Pipe Shop**

9 sessions **40-Hour Credit**

*Pre-requisite: for this course you must have previously completed Mathematics Two Formulas*

This course will provide the student with the basic skills for working on threaded piping systems. Dies, cutters, hand operated tools, power driven tools, will be discussed and demonstrated. Students will execute piping projects to gain experience using the tools and methods associated with threaded piping systems. There will be a discussion and demonstration of the correct groove types, installation, and assembly fundamentals of Victaulic Piping Systems.

*Required text: The Plumbing Service, Maintenance and Repair Manual – UA 1257*

**PROPER JOBSITE ATTIRE IS REQUIRED**

**STUDENTS WILL BE REQUIRED TO BRING SAFETY GLASSES, WORK GLOVES, and RULE**

**New Class starts on:**

**Tuesday, October 3, 2023**

**Tuesday, April 9, 2024**

## **Water Heating Service and Repair**

9 sessions **40-Hour Credit**

*Pre-requisite: for this course you must have a valid NYC DOB Gas Qualification.*

This course is intended to supplement the student's field experience working with water heating equipment and systems with the practical knowledge and skills required by our service industry. Course objectives cover safety related issues, typical water heater components, water heating system components including mixing valves and hot water maintenance/recirculating systems, balancing hydronic and domestic hot water zones, typical routine maintenance and troubleshooting procedures. This course has both theory and hands-on shop elements.

*Required text: The Plumbing Service, Maintenance and Repair Manual – UA 1257*

**PROPER JOBSITE ATTIRE IS REQUIRED**

**STUDENTS WILL BE REQUIRED TO BRING SAFETY GLASSES, WORK GLOVES, and RULE**

**New Class starts on:**

**Friday, January 12, 2024**

**4-HOUR SUPPORTED SCAFFOLD USER (NYC-DOB):**

1-session

This course will provide the scaffold user with the basic safety requirements to help in identifying the hazards associated with working on and around supported scaffolds. Users will be informed about OSHA and ANSI standards. Recognition of electrical hazards, fall hazards and falling object hazards in the work area are reviewed. Proper handling of materials on the scaffold and proper scaffold climbing procedures will be discussed. This course will introduce common hazards associated with aerial lifts and will discuss safe work practices to prevent these common hazards. Upon successful completion of this course, students will earn a **New York City Department of Buildings** 4-Hour Supported Scaffold User Certification.

**Classes will be scheduled as needed. Call to be placed on the current list.**

**16-Hour Limited Gas Qualification**

5 sessions **16-Hour Credit**

This course is a worker training requirement for an individual's qualification to perform **limited gas work** in New York City. Included will be a review of the process of applying to and uploading the required documents to DOB NOW for the purpose of acquiring a NYC DOB Limited Gas Work qualification card. Attendance is required at all sessions for a Completion Certificate to be issued.

*NYC LOCAL LAW 150-2016: Limited gas work qualification is for an individual performing such work under the personal and immediate supervision of a person who holds a (FULL) gas work qualification.*

**Classes will be scheduled as needed. Call to be placed on the current list.**

**NOTES ABOUT NYC LOCAL LAW 150-2016:** Gas work can only be done while employed by a Licensed Master Plumber. Any person employed by a Licensed Master Plumber, and doing gas work, must be QUALIFIED. **The holder of a LIMITED gas work qualification cannot work independently on gas work.** The holder of a LIMITED Gas Qualification Card SHALL work on gas ONLY under the personal and immediate supervision of another employee who holds a FULL Gas Work Qualification card. A LIMITED Gas Work Qualification EXPIRES after 5 YEARS. A FULL Gas Work Qualification card NEVER expires.

**ONLY THE NEW YORK CITY DEPARTMENT OF BUILDINGS CAN ISSUE THESE CARDS!**



Additional Courses may be added as the school year progresses.