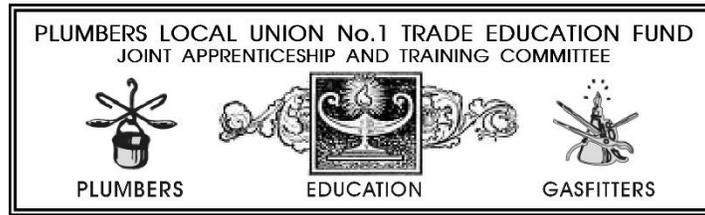


PAUL O'CONNOR
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UA PLUMBERS LOCAL 1 TRAINING CENTER
NEW YORK CITY
37-11 47th Avenue, Long Island City, N.Y. 11101

ARTHUR O. KLOCK JR.
Director of Trade Education

JOURNEYWORKER TRAINING COURSE CATALOG 2023-2024

Listed are the Journeyworkers Continuing Education and Certification courses that will be offered this academic year.

To participate, 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.

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

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

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

All courses require a \$20.00 Non-Refundable course enrollment fee.

This fee is collected to show that the Journeyworker has made a commitment to attend the class.

You must enroll IN-PERSON, at the Training Center.

The course enrollment fee must be paid at the time of enrollment.

Courses are available to eligible participants as per ERISA regulations.

Courses are filled on a First Come – First Served Basis

*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 the pre-requisite courses.*

UA Textbooks are available for purchase from the UA Bookstore: Call (301) 218-1241 or login to the UA Bookstore at <https://shop.iptbookstore.com/>.

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 RIGGING WORKER (NYC-DOB):

5-sessions

*This course is a requirement for an individual to **PERFORM** rigging or signaling work in conjunction with the hoisting or lowering of articles on the outside of a building with hoisting equipment.*

This course is designed to enable students to understand the proper rigging techniques to be used on typical plumbing jobs. This course will focus on the proper planning and precautions required when lifting materials and equipment. It will enable the student to understand safe rigging of loads, proper application of slings and rigging hardware. Knot tying, rope handling, and basic hand signals will be covered. Overview of the common types of cranes and hoisting machines and hazards associated with them will be discussed. Classroom instruction will be blended with time in the rigging shop, where these principles can be put into practice. During shop time, proper jobsite attire is required. Students will also be required to bring safety glasses, work gloves and a rule. Upon successful completion of this course, students will earn a **New York City Department of Buildings** 16-Hour Rigging Worker Certification.

Class starts on:

Monday, April 8, 2024

ADVANCED PLAN READING & RELATED DRAWING:

9-sessions

This course will present an overall view of building plans and job coordination. This is an in-person computer-based course that requires intermediate computer and math skills. Students must have access to a home personal computer to complete homework assignments.

Required text: *Advanced Plan Reading and Related Drawing UA 1020 R/2021 (\$80)*

(Note: This class will be a prerequisite for registration in Drafting and Field Coordination)

Classes Start on:

Thursday, October 5, 2023

Thursday, January 11, 2024

Thursday, April 11, 2024

BACKFLOW - INITIAL CERTIFICATION:

9-sessions

This course covers the required practices for inspection, annual required testing, repairs, and maintenance of backflow prevention assemblies used in the cross – connection control program of the New York City Department of Environmental Protection. Course material includes information needed for identifying cross-connections, understanding how backflow occurs and the dangers they present, methods used to control backflow and the recommended applications for each type of backflow assembly. Students successfully completing the course will be Certified Backflow Prevention Device Testers as per the regulations of the New York State Department of Health and The American Society of Sanitary Engineering.

There will be a third party proctored written and practical exam.

The plan participant fee for this course is **\$150**. The non-participant fee is **\$1,500**. The fee includes the ASSE online test, and a Manual.

Payable by Money Order, made out to: Trade Education Fund on the day of enrollment.

1. COURSE ONE– 2324

Start Date:	Tuesday, January 2, 2024	4 hrs.	5:00 p.m. – 9:30 p.m.
	Thursday, January 4, 2024	4 hrs.	5:00 p.m. – 9:30 p.m.
	Tuesday, January 9, 2024	4 hrs.	5:00 p.m. – 9:30 p.m.
	Thursday, January 11, 2024	4 hrs.	5:00 p.m. – 9:30 p.m.
	Tuesday, January 16, 2024	4 hrs.	5:00 p.m. – 9:30 p.m.
	Thursday, January 18, 2024	4 hrs.	5:00 p.m. – 9:30 p.m.
	Tuesday, January 23, 2024	4 hrs.	5:00 p.m. – 9:30 p.m.
	Thursday, January 25, 2024	4 hrs.	5:00 p.m. – 9:30 p.m.
Test Date:	Saturday, January 27, 2024	8 hrs.	7:30 a.m. – 4:00 p.m.
	9 Days/40 Hours		

2. COURSE TWO – 2324

Start Date:	Tuesday, February 13, 2024	4 hrs.	5:00 p.m. – 9:30 p.m.
	Thursday, February 15, 2024	4 hrs.	5:00 p.m. – 9:30 p.m.
	Tuesday, February 20, 2024	4 hrs.	5:00 p.m. – 9:30 p.m.
	Thursday, February 22, 2024	4 hrs.	5:00 p.m. – 9:30 p.m.
	Tuesday, February 27, 2024	4 hrs.	5:00 p.m. – 9:30 p.m.
	Thursday, February 29, 2024	4 hrs.	5:00 p.m. – 9:30 p.m.
	Tuesday, March 5, 2024	4 hrs.	5:00 p.m. – 9:30 p.m.
	Thursday, March 7, 2024	4 hrs.	5:00 p.m. – 9:30 p.m.
Test Date:	Saturday, March 9, 2024	8 hrs.	7:30 a.m. – 4:00 p.m.
	9 Days/40 Hours		

BACKFLOW - INITIAL CERTIFICATION:

3. COURSE THREE – 2324

Start Date:	Tuesday, April 16, 2024	4 hrs.	5:00 p.m. – 9:30 p.m.
	Thursday, April 18, 2024	4 hrs.	5:00 p.m. – 9:30 p.m.
	Tuesday, April 23, 2024	4 hrs.	5:00 p.m. – 9:30 p.m.
	Thursday, April 25, 2024	4 hrs.	5:00 p.m. – 9:30 p.m.
	Tuesday, April 30, 2024	4 hrs.	5:00 p.m. – 9:30 p.m.
	Thursday, May 2, 2024	4 hrs.	5:00 p.m. – 9:30 p.m.
	Tuesday, May 7, 2024	4 hrs.	5:00 p.m. – 9:30 p.m.
	Thursday, May 9, 2024	4 hrs.	5:00 p.m. – 9:30 p.m.
Test Date:	Saturday, May 11, 2024	8 hrs.	7:30 a.m. – 4:00 p.m.
9 Days/40 Hours			

BACKFLOW RE-CERTIFICATION:

3-sessions

To maintain your Certified Backflow Prevention Device Tester certification, you must complete a **16-hour** renewal training course. You should begin this process three (3) months prior to your certification expiration date.

There will be a third party proctored written and practical exam.

The plan participant fee for this course is **\$85**. Non-plan participant fee is **\$1,000**.

The fee includes the ASSE online test, and the Manual.

Payable by Money Order, made out to: Trade Education Fund on the day of enrollment.

1. COURSE ONE – 2324

Start Date:	Tuesday, October 3, 2023	4 hrs.	5:00 p.m. – 9:30 p.m.
	Thursday, October 5, 2023	4 hrs.	5:00 p.m. – 9:30 p.m.
Test Date:	Saturday, October 7, 2023	8 hrs.	7:30 a.m. – 4:00 p.m.
3 Days/16 Hours			

2. COURSE TWO – 2324

Start Date:	Tuesday, June 4, 2024	4 hrs.	5:00 p.m. – 9:30 p.m.
	Thursday, June 6, 2024	4 hrs.	5:00 p.m. – 9:30 p.m.
Test Date:	Saturday, June 8, 2024	8 hrs.	7:30 a.m. – 4:00 p.m.
3 Days/16 Hours			

ADDITIONAL CLASSES WILL BE HELD BASED ON DEMAND

COMPUTER SKILLS FOR PLUMBERS

9-sessions

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.

(This class will be a prerequisite for registration in CAD classes)

Classes start on:

Tuesday, October 3, 2023

Tuesday, January 9, 2024

Tuesday, April 9, 2024

AutoCAD - LEVEL I: INTRO TO COMPUTER AIDED DRAFTING

12-sessions

Pre-requisite: for this course you must have previously completed *Advanced Plan Reading AND Introduction to Computers*

This is a course designed as an introduction to computer aided drafting (CAD) and the AutoCAD environment. This course will examine the fundamentals of AutoCAD software as applied to two – dimensional CAD piping drawings.

Required text: AutoCAD 2022: Fundamentals (\$125)

This book must be pre-ordered at the Training Center when you enroll in this course.

(Payment for this book is required at time of enrollment.)

Class starts on:

Wednesday, October 4, 2023

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

AutoCAD - LEVEL II: COMPUTER AIDED DRAFTING

12-sessions

Pre-requisite: for this course you must have previously completed *AutoCAD Level I*

This course will examine the more advanced capabilities of AutoCAD drafting software as applied to two – dimensional CAD piping drawing production.

Required text: AutoCAD 2022: Beyond the Basics (\$75) and AutoCAD Advanced (\$90)

This book must be pre-ordered at the Training Center when you enroll in this course.

(Payment for this book is required at time of enrollment.)

Class starts on:

Wednesday, March 6, 2024

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

Heat Pump Water Heating Systems Installations for Plumbers

1-session

Modern building designs demand high performance equipment. Air source heat pump water heaters are commonly specified to help meet the stricter demands of building design and sustainability goals. Although many heat pump water heaters appear simple enough from an installation perspective, they will interact with a building's hot water supply system differently than traditional technology. This four-hour course intends to complement a journey person's existing knowledge with the information they need to ensure successful installations of a continually evolving water heating technology.

Classes Start on:

Thursday, January 4, 2024,

Thursday, June 20, 2024

***NEW COURSE**

ICRA - INFECTION CONTROL RISK ASSESSMENT

5-sessions

This course is designed to familiarize workers with general knowledge of the environment of care, infection control and construction risk assessment procedures to protect facility operations, workers or any individual who has the potential for harm caused by construction activities. The course objective is to provide training, continuing education and certification to construction and maintenance personnel. Successful completion of this course will result in a Third-Party Certification to ASSE Standard 12010. A requirement that workers be qualified to this standard is now being added to Healthcare Facilities job specifications.

There will be a third party proctored written exam.

The ASSE online test fee is **\$130**.

Payable by Money Order, made out to: Trade Education Fund on the day of enrollment.

Class starts on:

Wednesday, October 25, 2023

Wednesday, January 24, 2024

Wednesday, April 10, 2024

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

ADDITIONAL CLASSES WILL BE HELD BASED ON DEMAND

JOURNEYMAN GAS-FITTER

9-sessions

This course is designed to familiarize the journeyman plumber with fuel gas installations. Topics covered will include the production and delivery of natural gas, the properties of natural gas, and the design, and limitations of natural gas building distribution piping systems from point of entry up to and including the appliance. Purging and testing will also be discussed.

The course will prepare the student for the NYC DOB NOW registration process to obtain a FULL GAS WORK QUALIFICATION.

Required text: UA #1110 Fuel Gas Systems (\$55) and the 2022 NYC Fuel Gas Code (\$104). These books can be pre-ordered at the Training Center when you enroll in this course.

(Payment for this book is required at time of enrollment.)

Classes start on:

Thursday, October 5, 2023

Thursday, April 11, 2024

MEDICAL GAS INSTALLER:

9-sessions

This course covers the **NFPA (National Fire Protection Association) – 99 2021 Edition**. This course includes code interpretation, correct piping installation and testing, requirements for installer qualification, and requirements for braze qualification in accordance with ASME Section IX. A third party proctored written exam and practical braze test, required for certification as an Installer and Brazer of Medical Gas Systems will be administered at the conclusion of the course.

There is an NITC Test Fee of **\$150.00** to take the exam.

The Test Fee is payable directly to NITC (credit card payment only).

Required text: The NFPA 99 2021 Edition Code (\$111)

This book can be pre-ordered at the Training Center when you enroll in this course.

(Payment for this book is required at time of enrollment.)

This is a two-night a week course (Tuesday & Thursday).

Classes Start on:

Tuesday, October 3, 2023, Exam on Saturday, November 4.

Tuesday, January 23, 2024, Exam on Saturday, March 2.

Tuesday, April 23, 2024, Exam on Saturday, June 1.

RECERTIFICATION OF THIS CREDENTIAL: Medical Gas Installer/Brazer Certification is valid for three (3) years from issuance, if the following individual requirement is maintained: Installers shall maintain continuity of brazing per ASME Boiler and Pressure Vessel Code, Section IX performance qualifications and the NFPA 99 Healthcare Facilities Code by submitting a braze continuity letter every six months.

Brazers that have failed to maintain a braze continuity may requalify by performing a Vertical up-flow braze. (\$50.00 check or money order, payable to NITC)

MEDICAL GAS INSTALLER RECERTIFICATION:

Recertification can be accomplished by completing a **minimum 4-hour training course** to subsequent (new) editions of NFPA 99, and successfully passing a proctored multiple-choice open book exam. Both the course and the examination are required according to ASSE 6000. The recertification exam contains forty questions based on the most current edition of NFPA 99. Candidates must answer thirty-two (32) of the questions (80%) correctly on the exam to achieve a passing grade. Two (2) hours are allowed for the exam.

Failure to recertify within one year of the certification expiration date will require the individual to take the original examination.

Registration for the 4-hour training course closes 30 days prior to the exam date.

There is an NITC Test Fee of **\$60.00** to take the exam.

The Test Fee is payable directly to NITC (credit card payment only).

Classes Start on:

Tuesday, December 12, 2023

Tuesday, March 26, 2024

Tuesday, June 25, 2024

Exams will be held on the Friday immediately following the class.

PLUMBING CODE:

9-sessions

This course is designed to aid the student in understanding and navigating through the NYC Plumbing Code.

A 2022 NYC Plumbing Code book is required.

The code book will be available at the Training Center for students enrolled in the Plumbing Code course at a cost of **\$104.00**.

This book can be pre-ordered at the Training Center when you enroll in this course.

(Payment for this book is required at time of enrollment.)

Classes Start on:

Tuesday, October 3, 2023

Tuesday, January 9, 2024

Tuesday, April 9, 2024

***NEW COURSE**

Water Quality for Plumbers

6-sessions

Water Quality Risk Management Programs designed for Legionella Risk Reduction are mandated for hospitals and long-term care facilities. In addition, these programs are becoming required elements for other types of construction such as hotels, apartment buildings, office buildings, schools and prisons where complex centralized water heating systems are utilized. This class teaches essential elements of **ASHRAE Standard 188-2018: Legionellosis: Risk Management for Building Water Systems**. Journeyworkers completing this class will take a 50-question exam certifying to the professional qualification **ASSE 12061 Water Quality Program for Plumbers**. The objective of ASSE 12061 is to provide plumbers working on these systems the necessary knowledge to develop and implement a water management plan for plumbing systems including surveying building water systems, epidemiology of pathogens, biohazards and infectious disease, water sampling protocols and conducting an incident response.

Required text: UA Water Quality Program Handbook UA1441 (\$40)

This book can be pre-ordered at the Training Center when you enroll in this course.

(Payment for this book is required at time of enrollment.)

There will be a third party proctored written exam.

The ASSE online test fee is \$130.

Payable by Money Order, made out to: Trade Education Fund on the day of enrollment.

Class starts on:

Monday, October 30, 2023

Monday, April 8, 2024

***NEW COURSE**

Water Heating Installation Practices (Journeyman Course)

9-sessions

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

This course is intended to supplement the Journeyworkers' field experience working with water heating equipment and systems with the practical knowledge and skills required by installers and end users in our current and future industry. Course objectives cover safety related issues, water heater design, domestic hot water systems design, water heater ratings and sizing, typical components, installation recommendations including code and manufacturer requirements for natural gas, combustion air, flue piping, electrical and electric heat pump systems. Gas fired atmospheric and condensing storage water heaters, tankless water heaters, combination boilers, electric storage, solar and electric heat pump water heating equipment will all be discussed and demonstrated in class. Commissioning procedures and hot water zone balancing procedures will be included and demonstrated with hands-on shop exercises.

This course has both theory and hands- on shop elements.

In line with job-site requirements, students are required to dress appropriately, including work boots, gloves, and safety glasses.

Classes start on:

Thursday, January 11, 2024

Thursday, April 11, 2024

CLASSES WILL BE HELD BASED ON DEMAND

ARC WELDING (BEGINNER) – Intro to Shielded Metal Arc Welding (SMAW) 9-sessions

This course is designed for the beginning welder. The student will gain a thorough understanding of arc welding, welding safety, arc welding power sources, and electrode classification and selection. The student will progress through a series of projects intended to develop the necessary skills to weld in all positions on mild steel using E6010 and E7018 electrodes. Upon successful completion of this project progression, students may be upgraded to Advanced Arc Welding class.

This is a two-night a week course (Monday & Wednesday).

Classes Start on:

Monday, October 2, 2023

Monday, November 6, 2023

Monday, January 8, 2024

Monday, February 26, 2024

Monday, April 8, 2024

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

Beginner welding students **MUST bring the following items with them to class:**

- Flame Resistant Cloth or Leather Welding jacket
- Welding Gloves for Shielded Metal Arc Welding
- Safety Glasses Clear and Shade 5 Lenses
- Welding Hat
- Long Sleeve Cotton Denim Shirt
- Personal Welding Hood - Minimum. Shade 10 Lens
- Clear Spare Lenses for Welding Hood

ARC WELDING (ADVANCED) – SMAW Pipe Welding and Qualification 18-sessions

Pre-requisite: for this course you must have successfully completed the *Beginners Arc Welding Progression*.

This course will take the student welder from beginner to qualified. Instruction will include pipe preparation and fit-up, proper use of specialized welding tools, instruction and guidance in all recognized pipe welding positions, preparation and recommendation for welder qualification exams, and practical jobsite applications of welded pipe layout, preparation, fabrication, installation, and position welding. Students will prepare and qualify in the following portable UA SMAW Weld Qualifications:

- UA-2 6" Uphill
- UA-21 2" Uphill
- UA-1 6" Downhill

This is a two-night a week course (Tuesday & Thursday).

Classes Start on:

Tuesday, October 3, 2023

Tuesday, February 27, 2024

ARC WELDING (STAINLESS) – SMAW Qualification for Stainless Steel

Pre-requisite: *Previously qualified to the UA-21 welder qualification.*

This course is designed for the advanced welder who previously qualified to the UA-21 welder qualification specification. The student will gain hands on experience using E 309-17 and E 309-16 filler metal in preparation for qualification on an SA 106 test coupon. Upon qualification to the UA-42 Weld Test Specification, the welder shall be qualified to weld stainless steel pipe in size ranges 1” O.D. and over. ***(This training is relevant to welding stainless steel piping for domestic water lines).***

This is a two-night a week course (Tuesday & Thursday).

Classes Start on:

Tuesday, October 3, 2023

Tuesday, February 27, 2024

ARC WELDING (TIG) GTAW (Gas Tungsten Arc Welding)

Pre-requisite: *Uphill UA Welding Qualification A.S.M.E. Section IX B 31.1*

This course will provide the welder with a thorough understanding of Gas Tungsten Arc Welding, arc characteristics and welding safety. It will provide training to develop the skills necessary to make quality gas tungsten arc welds on mild steel plate, leading to the skills necessary to produce quality welds on pipe.

This is a two-night a week course (Tuesday & Thursday).

Classes Start on:

Tuesday, October 3, 2023

Tuesday, February 27, 2024

ARC WELDING (MIG) GMAW (Gas Metal Arc Welding)

Pre-requisite: *Uphill UA Welding Qualification A.S.M.E. Section IX B 31.1*

This course will provide the welder with a thorough understanding of the Gas Metal Arc Welding process, welding safety, equipment adjustments, shielding gases and metal transfer methods. It will provide training to develop the skills necessary to make quality welds on mild steel plate, leading to the skills necessary to produce quality welds on pipe.

This is a two-night a week course (Tuesday & Thursday).

Classes Start on:

Tuesday, October 3, 2023

Tuesday, February 27, 2024

AUTOMATED (ORBITAL) WELDING TECHNOLOGY:

4-sessions

This course will provide the welding operator with a thorough knowledge of how the Automated Orbital Welding process operates. The welding operator will learn how to program the machine which controls the functions of arc current level, travel speed, arc voltage and power supply. The welding operator will develop the skills necessary to prepare the tube ends, center the components to be welded in the fixture block, mate the weld head to the fixture block, initiate purge and shielding gases and signal the machine to begin the welding process.

Orbital classes will be scheduled as needed. Call to be placed on the current list.