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

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Director of Trade Education

# JOURNEYMAN TRAINING COURSE CATALOG 2022-2023

Listed below are the Journeyperson 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.

Registration cannot be done by telephone. You must use the registration form to register for participation in the program.

To register, bring in or mail a REGISTRATION form to: Plumbers Local 1 Training Center 37-11 47th Avenue, Long Island City, New York 11101

**STUDENTS MUST ENROLL FOR ALL COURSES – NO WALK-INS**

All courses require a \$20 Non-Refundable course enrollment fee.

This fee is collected to show that the Journeyperson 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.

**Please note: All classes will be filled on a first come first served basis.**

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



**CAD - LEVEL I: INTRODUCTION 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 CAD environment. This course will examine the fundamentals of CAD 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 the book is required at time of enrollment.)*

**Classes start on:      Friday, October 14, 2022**

**CAD - LEVEL II: COMPUTER AIDED DRAFTING** 12-sessions

*Pre-requisite:* for this course you must have previously completed Auto CAD 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 2022: Advanced (\$90)

*These books can be pre-ordered at the Training Center when you enroll in this course.*

*(Payment for books is required at time of enrollment)*

**Classes start on:      Friday, March 3, 2023**

**PLUMBING CODE** 9-sessions

This course is designed to aid the student in understanding and navigating the recently adopted **2022 NYC Plumbing Code**.

**Required Text** -The 2022 NYC Plumbing Code (\$104)

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

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

**Classes Start on:      Wednesday, October 5, 2022  
                                 Wednesday, January 11, 2023  
                                 Wednesday, April 12, 2023**

**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 journeyman’s existing knowledge with the information they need to ensure successful installations of a continually evolving water heating technology.

**Classes Start on:  
Thursday, January 12, 2023,    Thursday, February 9, 2023,    Thursday, March 9, 2023,  
Thursday, April 13, 2023,      Thursday, May 11, 2023**

## **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. *This course should be taken BEFORE the Full Gas Work Exam Prep Course.*

**Required Text books** - 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 books is required at time of enrollment)*

Classes Start on:     **Tuesday, October 4, 2022**  
                                  **Tuesday, January 10, 2023**  
                                  **Tuesday, April 11, 2023**

**NOTES ABOUT NYC LOCAL LAW 150 of 2016:** *Natural Gas work can only be done while employed by a Licensed Master Plumber. ALSO - Any person employed by a Licensed Master Plumber, and doing gas work, must be QUALIFIED and hold the appropriate card from the NYC Department of Buildings.*

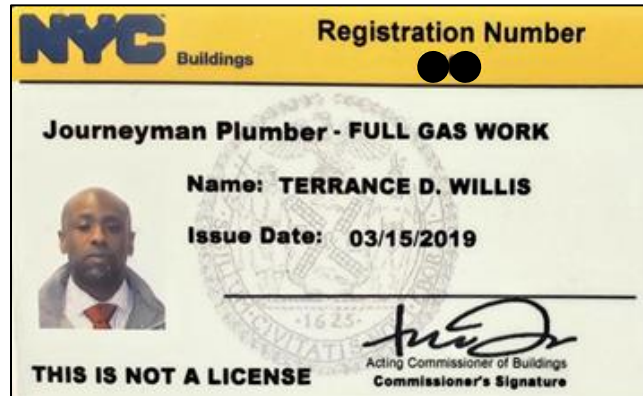
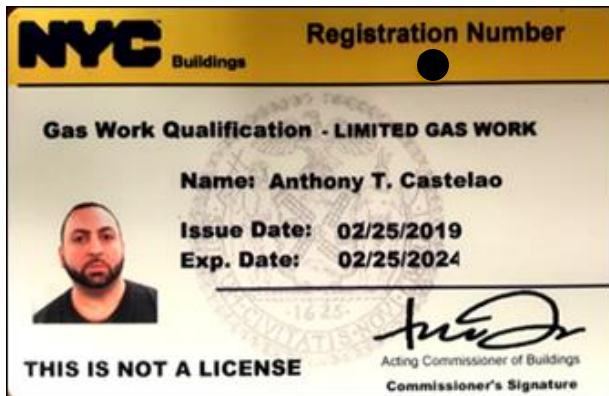
*The holder of a FULL Gas Qualification Card can work independently while employed by a Licensed Master Plumber, and can Supervise a LIMITED Gas Work card holder.*

*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!**



## **FULL GAS WORK QUALIFICATION - EXAM PREP COURSE**

2-sessions

This course will prepare the student for the NYC DOB Full Gas Work Qualification Exam. The student will become familiar with the NYC DOB NOW registration process.

**Required Text Book** -The 2022 NYC Fuel Gas Code (\$104).

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

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

**NOTE: CLASSES WILL BE HELD BASED ON DEMAND. CALL THE SCHOOL OFFICE TO REGISTER FOR THE NEXT AVAILABLE CLASS**

## **MEDICAL GAS**

9-sessions

This course covers **NFPA (National Fire Protection Association) 99 Health Care Facilities Code, 2021 Edition**. The 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 a Test Fee of **\$150** to take the exam.

The Test Fee is payable directly to: **NITC**.

**Required Text Book** - The NFPA 99 2021 Edition Code. (**\$92.50**)

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

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

**Call the Training Center to place yourself on the list for the next available course.**

## **NYC-DOB 4 - HOUR SUPPORTED SCAFFOLD USER**

This course will provide the scaffold user with the basic safety requirements to help in identifying the hazards associated with work 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 (NYC-DOB) Four Hour Supported Scaffold User Certification**.

***NOTE: CLASSES WILL BE HELD BASED ON DEMAND. CALL THE SCHOOL OFFICE TO REGISTER FOR THE NEXT AVAILABLE CLASS***

## **CONFINED SPACE - ENTRY SAFETY – GENERAL COURSE**

4-sessions

This course is designed to enable students to: recognize if a space is a confined space; identify the characteristics and hazards associated with the confined space; properly evaluate the confined space as either permit required or a non-permit space; review and become familiar with confined space entry procedures and permits; determine appropriate control measures for ensuring a safe entry. This course will cover topics including air monitoring and ventilation. The student will be able to identify proper rescue procedures, practices, and equipment.

**PLEASE BE ADVISED: This course is only a general knowledge course about Confined Space Safety. SITE SPECIFIC supplementary training is needed before attempting entry into confined space areas. The CONTRACTOR is to provide SITE SPECIFIC procedures/safe work practices for employees required to enter confined spaces.**

***NOTE: CLASSES WILL BE HELD BASED ON DEMAND. CALL THE SCHOOL OFFICE TO REGISTER FOR THE NEXT AVAILABLE CLASS***

**16-HOUR RIGGING WORKER (Completion Card will be Issued)**

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.

***NOTE: CLASSES WILL BE HELD BASED ON DEMAND. CALL THE SCHOOL OFFICE TO REGISTER FOR NEXT AVAILABLE CLASS***

**ARC WELDING (BEGINNER) – Intro to SMAW (Shielded Metal Arc Welding)** 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.

**Classes Start on:**      **Monday, October 3, 2022**  
   **Monday, January 9, 2023**  
   **Monday, April 10, 2023**

**Wednesday, October 5, 2022**  
**Wednesday, January 11, 2023**  
**Wednesday, April 12, 2023**

**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 (TIG) GTAW (Gas Tungsten Arc Welding)**

9-sessions

**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.

**Classes Start on:**      **Tuesday, October 4, 2022**  
   **Tuesday, January 10, 2023**  
   **Tuesday, April 11, 2023**

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

9-sessions

**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.

**Classes Start on:**      **Tuesday, October 4, 2022**  
   **Tuesday, January 10, 2023**  
   **Tuesday, April 11, 2023**

**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.

***CLASSES WILL BE HELD BASED ON DEMAND  
CALL SCHOOL OFFICE TO REGISTER FOR NEXT AVAILABLE CLASS***



**BACKFLOW - INITIAL CERTIFICATION:**

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.** Non-Participant fee is \$1,500. The fee includes the ASSE online test, a Manual, and the ASSE Test Procedures Pocket Guide Book.

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

**1. COURSE ONE– 2223**

<b>Start Date:</b>	Tuesday, January 3, 2023	4 hrs.	5:00 p.m. – 9:30 p.m.
	Thursday, January 5, 2023	4 hrs.	5:00 p.m. – 9:30 p.m.
	Tuesday, January 10, 2023	4 hrs.	5:00 p.m. – 9:30 p.m.
	Thursday, January 12, 2023	4 hrs.	5:00 p.m. – 9:30 p.m.
	Tuesday, January 17, 2023	4 hrs.	5:00 p.m. – 9:30 p.m.
	Thursday, January 19, 2023	4 hrs.	5:00 p.m. – 9:30 p.m.
	Tuesday, January 24, 2023	4 hrs.	5:00 p.m. – 9:30 p.m.
	Thursday, January 26, 2023	4 hrs.	5:00 p.m. – 9:30 p.m.
<b>Test Date:</b>	Saturday, January 28, 2023	8 hrs.	7:30 a.m. – 4:00 p.m.
	9 Days/40 Hours		

**2. COURSE TWO – 2223**

<b>Start Date:</b>	Tuesday, February 14, 2023	4 hrs.	5:00 p.m. – 9:30 p.m.
	Thursday, February 16, 2023	4 hrs.	5:00 p.m. – 9:30 p.m.
	Tuesday, February 21, 2023	4 hrs.	5:00 p.m. – 9:30 p.m.
	Thursday, February 23, 2023	4 hrs.	5:00 p.m. – 9:30 p.m.
	Tuesday, February 28, 2023	4 hrs.	5:00 p.m. – 9:30 p.m.
	Thursday, March 2, 2023	4 hrs.	5:00 p.m. – 9:30 p.m.
	Tuesday, March 7, 2023	4 hrs.	5:00 p.m. – 9:30 p.m.
	Thursday, March 9, 2023	4 hrs.	5:00 p.m. – 9:30 p.m.
<b>Test Date:</b>	Saturday, March 11, 2023	8 hrs.	7:30 a.m. – 4:00 p.m.
	9 Days/40 Hours		

**3. COURSE Three – 2223**

<b>Start Date:</b>	Tuesday, April 18, 2023	4 hrs.	5:00 p.m. – 9:30 p.m.
	Thursday, April 20, 2023	4 hrs.	5:00 p.m. – 9:30 p.m.
	Tuesday, April 25, 2023	4 hrs.	5:00 p.m. – 9:30 p.m.
	Thursday, April 27, 2023	4 hrs.	5:00 p.m. – 9:30 p.m.
	Tuesday, May 2, 2023	4 hrs.	5:00 p.m. – 9:30 p.m.
	Thursday, May 4, 2023	4 hrs.	5:00 p.m. – 9:30 p.m.
	Tuesday, May 9, 2023	4 hrs.	5:00 p.m. – 9:30 p.m.
	Thursday, May 11, 2023	4 hrs.	5:00 p.m. – 9:30 p.m.
<b>Test Date:</b>	Saturday, May 13, 2023	8 hrs.	7:30 a.m. – 4:00 p.m.
	9 Days/40 Hours		

**BACKFLOW RE-CERTIFICATION:**

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.

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

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

Two 16-hour courses will be held. They will be held as follows:

**1. COURSE ONE – 2223**

Start Date:	Tuesday, December 13, 2022	4 hrs.	5:00 p.m. – 9:30 p.m.
	Thursday, December 15, 2022	4 hrs.	5:00 p.m. – 9:30 p.m.
Test Date:	Saturday, December 17, 2022	8 hrs.	7:30 a.m. – 4:00 p.m.
	3 Days/16 Hours		

**2. COURSE TWO – 2223**

Start Date:	Tuesday, June 6, 2023	4 hrs.	5:00 p.m. – 9:30 p.m.
	Thursday, June 8, 2023	4 hrs.	5:00 p.m. – 9:30 p.m.
Test Date:	Saturday, June 10, 2023	8 hrs.	7:30 a.m. – 4:00 p.m.
	3 Days/16 Hours		

***NOTE: ADDITIONAL CLASSES WILL BE HELD BASED ON DEMAND  
CALL SCHOOL OFFICE TO REGISTER FOR NEXT AVAILABLE CLASS***

**ADDITIONAL CONTINUING EDUCATION OPPORTUNITIES:  
THE UNITED ASSOCIATION AND WASHTENAW COMMUNITY  
COLLEGE ARE PARTNERED TO OFFER CERTIFICATE AND DEGREE  
PROGRAMS**

**[HTTPS://UANET.ORG/DOCUMENTS/PDF/UAWCCBROSCHURE.PDF](https://uanet.org/documents/pdf/uawccbroschure.pdf)**

Additional Courses will be added as the year progresses.