



Course Name	Master Plumber Isometrics
Credit Hours	3 Hours
Instructor(s)	Randy Drake
Fee	\$39.00

Course Description

This course provides plumbers with plans and drawings that require more advanced skills for laying out complicated isometric drawings. Downloadable drawings are included.

Learning Objectives

At the completion of the course, students will be able to:

- Utilize an isometric sketch which is a two-dimensional drawing that provides plumbers with the most information about piping layout.
- Be able to create accurate isometric drawings that is a difficult, yet valuable tool for any plumbing professional.

Equipment Requirements

You must have an active, working internet connection to access this course online, as well as a platform to access the internet, such as a computer, tablet, or phone. All popular web browsers are supported, including Google Chrome, Mozilla Firefox, Safari, and Opera. No specialized software, speaker, microphone, or web camera is required.

Schedule and Location

This course is available online at any time at www.CertifiedTrainingInstitute.com. Upon enrolling in the course, students will have access for 180 days or until the agency-issued course expiration date, whichever comes first. After the access expiration date, the course will be visible in the account but no progress can be made. Before the access expiration date, the student may sign in and out of the course as many times as needed to complete the course.

Student Support

Both general and technical support is available to the student before, during, and after taking the course online. Students have access to general customer support via phone, chat, and email.

Students have access to the course instructor via email. All questions, concerns, and comments received will be responded to within one business day.

Participation/Interactivity Verification

Timed Logs - Per our company's record retention policy, each student's lesson/assessment completion time is tracked and retained as part of the student record.

Global Timer - Students will not get credit until they spend a minimum of 150 active minutes total in the course.

Identity Verification

Unique Username/Password - Each student that wants to complete a training course with us must create an account by registering a unique personal email address and password. The student must enter this unique identifier every time they take a break from the course.

Assessment Details

Quiz - Please see the attached timeline for quiz question placement. The student must complete all quizzes with a score of at least 70% to progress to the final exam.

Master Plumber Isometrics Timed Outline

Section	Title	Questions	Minutes
	Lesson 1: Drawing 1 - Drainage Waste and Vent Isometric	3	30
1	Instructions		
2	Material lists		
3	Calculations		
4	Table 709.1		
	Lesson 2: Drawing 1 - Drainage Waste and Vent Isometric (cont.)	3	25
4	Measurements		
5	Pipe sizes		
6	Fittings		
	Lesson 3: Drawing 2 - Multi Story Isometrics	3	30
7	Sanitary drainage systems		
8	Traps		
9	Mains		
10	Stacks		
11	Water systems		
12	Discharge		
	Lesson 4: Drawing 2 - Multi Story Isometrics (cont.)	3	40
13	Fixtures		
14	Vents		
15	Branches		
	Lesson 5: Drawing 2 - Multi Story Isometrics (cont.)	3	30
16	Roof drains		
17	Retention tank		
18	Water heater		
	Totals:	15	155
	Student Minimum Time Required:		150