

AutoCAD MEP Plumbing and Piping



Duration | 2 Days

Description:

This courseware is designed for the new AutoCAD® MEP user who requires comprehensive training in the Plumbing module. It incorporates the features, tools, and techniques for creating and editing plumbing designs with AutoCAD MEP. This course will also train AutoCAD MEP users who want to learn how to design, model, and make construction documents for a piping system used in commercial, institutional, and waste water environments. Hands-on exercises throughout the courseware explore how to create 3D production drawings while designing in 2D.

Prerequisites:

Knowledge of plumbing terminology and some knowledge of AutoCAD.

Objectives:

This courseware uses hands-on exercises to teach users how to lay out piping systems that start as simple placeholders and grow in intelligence as the design matures through schematic design, design development, and construction documentation phases of a project. Students will learn the basic tools and techniques necessary for creating a professional plumbing plan using AutoCAD MEP. As well as, how to make construction documents that meet the demanding requirements of the building construction industry.

Upon completion of the course, the student will:

- Set design preferences in plumbing tables and drafting settings.
- Lay out schematic plumbing diagrams.
- Place plumbing fixtures and pipes in drawings.
- Automatically size pipes.
- Label and annotate drawings.
- Create schedule tables for pipes and fixtures.
- Design a piping system, create and modify a schematic diagram and use schematics in isometric mode.
- Define routing preferences and add piping equipment, pipe and pipe fittings. Annotate a pipework model, create sections, and create and edit schedules.
- Create and manage plotting sheets and publish drawings to DWF files.

Course Outline:

Setting Design Preferences

- Set Preferences for Fixture Unit Table
- Set Preferences for Supply Pipe Sizing Table
- Set Preferences for Sanitary Pipe Sizing Table
- Define Plumbing Systems
- Set Autodesk Building Systems Snaps

Training Facilities

Virginia Beach, VA
Richmond, VA
Roanoke, VA

Inlet Technology

192 Ballard Court
Suite 306
Virginia Beach, VA
23462

Ph: 757.496.2323
Fax: 757.496.2424

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Laying Out Plumbing Designs

- Add Schematic Symbols
- Add Schematic Lines
- Add Plumbing Fixtures
- Add Schematic Pipe to Plumbing Fixtures
- Add In-Line Fittings to Pipes

Creating Construction Documents

- Size Pipes
- Set Flow Direction
- Add Labels and Annotation Symbols
- Add Schedule Tables

Working with Process Flow Diagram

- Designing a Piping System
- Creating a Schematic Diagram
- Modifying a Schematic Diagram
- Using Schematics in Isometric Mode

Working with Piping

- Defining Routing
- Preferences and Piping Systems
- Adding Piping Equipment
- Adding Pipes and Pipe Fittings

Piping Documentation

- Annotating a Pipework Model
- Using Sections and Elevations
- Creating and Editing Schedules

Creating a Construction Drawing

- Creating and Managing Plotting Sheets
- Publishing Drawings to DWF Files

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Inlet Training Class Registration Form



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Customer Information

Company _____
Address _____
City _____ State _____ Zip _____
Primary Contact _____
Telephone _____ eMail _____

Training Class Information

Class Name _____
Class Start Date _____ Duration (# of days) _____
Student 1 _____ eMail _____
Student 2 _____ eMail _____
Student 3 _____ eMail _____
Student 4 _____ eMail _____
Student 5 _____ eMail _____
Student 6 _____ eMail _____
Student 7 _____ eMail _____
Student 8 _____ eMail _____
Student 9 _____ eMail _____
Student 10 _____ eMail _____

Payment Information

CREDIT CARD

Type (Circle One) Visa Mastercard American Express
Credit Card Number _____
Expiration Date _____ 3-4 digit Verification Code _____
Name on Card _____ Amount to be Charged \$ _____
Billing Address _____

CHECK

Check Number _____ Amount \$ _____

PURCHASE ORDER

PO Number _____ Amount \$ _____
Purchasing Contact _____ Telephone _____
e-Mail _____

NOTE: Please fax copy of PO with Registration Form