

# AutoCAD MEP Piping Essentials

## Course Description

This course provides comprehensive AutoCAD® MEP training on how to design, model, and make construction documents for a piping system used in commercial, institutional, and waste water environments. The hands-on exercises teach how to lay out systems from schematic design through to the design development and project construction documentation phases.

<b>Suggested Course Duration:</b>	1 day
<b>Pages:</b>	214
<b>Trial CD:</b>	Yes
<b>Onscreen Exercises Included?</b>	Yes

## Objectives

The primary objective of this course is to teach students the basic functions necessary for creating a piping plan using AutoCAD MEP.

After completing this course, the student will be able to:

- Create, label, and modify a process flow diagram.
- Create a piping model and define route preferences.
- Place piping equipment.
- Lay out pipes and fittings.
- Lay out symbols, lines, and inline annotation in ISO mode.
- Tag, schedule, and plot process flow diagrams and piping models.

## Who Should Attend

This course is designed for new users of AutoCAD MEP.

## Prerequisites

This course requires a working knowledge of a recent version of AutoCAD®, in addition to drafting, design, or engineering experience. It is also recommended that the student have a working knowledge of Microsoft® Windows® XP or Microsoft® Windows® 2000.

# Course Outline

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## Introduction to Piping

- Using AutoCAD MEP to Design Piping Systems

## Working with Process Flow Diagrams

- 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

- Annotation of 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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**Note:** The course duration shown above is a guideline. Course topics and duration may be modified by the instructor based upon the knowledge and skill level of the course participants.

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