



This course is designed for 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.

Prerequisites: Knowledge of piping terminology and some knowledge of AutoCAD.

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Course Objectives

This course uses hands-on exercises to teach users how to lay out 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. This course also teaches users how to make construction documents that meet the demanding requirements of the building construction industry.

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

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.

Who Should Attend

This course is designed for Autocad MEP users who want to populate mechanical design documentation using the piping tools included in AutoCAD MEP. The course uses hands-on exercises to learn how to create flow diagrams, 3D piping layouts, understand the tagging and section capabilities and create construction documentation.

Course Outline

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

- 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