

# REVIT MEP

## PLUMBING, PIPING, FIRE PROTECTION ESSENTIALS

### OVERVIEW

Learn about building information modeling and the tools for parametric MEP systems design and documentation using Autodesk Revit® MEP. Begin by learning the fundamental features of Autodesk Revit MEP, then progressing through schematic design, system analysis and construction documentation, and finishing with design visualization.

### SPECIFICS

**Duration:** 3 Days

**Hours:** 9 am - 4 pm (including lunch hour)

**Cost:** \$1195/person (includes training materials)

**Prerequisites:** No CAD Experience is necessary.

Working knowledge of:

- MEP engineering design, drafting, or engineering experience highly recommended.
- Working knowledge of Microsoft® Windows®

\* This course is based on Autodesk® Official Training Guide (AOTG).

### TOPICS COVERED

#### Building Information Modeling

- Building Information Modeling for MEP Engineering

#### Revit MEP Basics

- Exploring the User Interface
- Working with Revit Elements and Families

#### Viewing the Model

- Managing Views
- Controlling Object Visibility
- Working with Section and Elevation Views
- Creating and Modifying 3D Views

#### Starting a New Project

- Setting Up Projects
- Linking Revit Models
- Sharing Projects Using Worksets
- Defining Discipline Settings
- Importing and Editing DWG Details

#### Piping Systems

- Creating System Piping

#### Plumbing Systems

- Creating Plumbing Systems

#### Fire Protection Systems

- Creating Fire Protection Systems

#### Working with Architects and Engineers

- Monitoring Changes in Linked Files
- Checking and Fixing Interference Conditions

#### Detailing and Drafting

- Creating Callout Views
- Working with Detail Views
- Working with Drafting Views

#### Annotations and Schedules

- Working with Text and Tags
- Working with Dimensions
- Creating Legends
- Working with Schedules

#### Construction Documentation

- Working with Titleblocks
- Working with Sheets