

REVIT MEP

HVAC 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: \$995/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

Defining Volumes

- Creating Soaces
- Creating Zones

Building Performance Analysis

- Building Performance Analysis
- Defining Heat and Cooling Loads
- Calculating Heating and Cooling Loads

HVAC Systems

- Creating HVAC Systems
- Generating HVAC System Layouts
- Creating and Modifying Ductwork

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