

Revit MEP New User Training

3-day class

The Revit MEP New User course will teach you the concepts of creating 3D parametric models of MEP systems from engineering design through construction documentation. You will learn the basics of HVAC, electrical and plumbing/piping and become familiar with the tools necessary to create, document and print parametric models. Course examples and exercises will take you through a full Revit MEP project from linking in an architectural model to construction documentation.

- **Introduction to BIM and Autodesk Revit**
 - BIM and Autodesk Revit
 - Overview of the Interface
 - Starting Projects and Viewing Commands
- **Basic Sketching and Modify Tools**
 - General Sketching Tools
 - Inserting Components
 - Selecting and Editing Elements
 - Working with Basic Modify Tools
- **Basic Systems Tools**
 - Connecting Components
 - Working with Additional Modify Tools
 - Creating Systems
- **Starting Systems Projects**
 - Linking in Revit Models
 - Setting Up Levels
 - Copying and Monitoring Elements
 - Batch Copying Fixtures
 - Coordinating Linked Models
- **Working with Views**
 - Setting the View Display
 - Duplicating Views
 - Adding Callout Views
 - Creating Elevations and sections
- **Setting up Spaces**
 - Preparing a Model for Spaces
 - Adding Spaces
 - Working with Spaces
- **Heating and Cooling Loads Analysis**
 - Creating Zones
 - Applying Color Schemes
 - Analyzing Heating and Cooling Loads
- **HVAC Networks**
 - Air Terminals & Mechanical Equipment
 - Adding Ducts and Pipes
 - Modifying Ducts and Pipes
- **Plumbing Networks**
 - Adding Plumbing Fixtures and Equipment
 - Adding Plumbing Pipes
 - Modifying Plumbing Pipes
 - Adding Fire Protection Networks
 - Fire Protection Systems
- **Advanced Systems for HVAC and Plumbing**
 - Creating and Modifying Systems
 - Creating Automatic Layouts
 - Testing Systems
- **Electrical Systems**
 - Placing Electrical Components
 - Creating Electrical Circuits
 - Cable Trays & Conduit
 - Electrical Panel Schedules
- **Creating Construction Documentation**
 - Setting up Sheets
 - Placing & Modifying Views on Sheets
 - Printing Sheets
- **Annotating Construction Documents**
 - Working with Dimensions & Text
 - Detail Lines & Symbols
 - Creating Legends
- **Adding Tags and Schedules**
 - Adding Tags
 - Creating & Working with Schedules
- **Creating Details**
 - Setting up Detail Views
 - Adding Detail Components
 - Annotating Details