



HAGERMAN & COMPANY®

# Revit MEP New User Training

## 3-day class

This course covers the concepts of creating 3D parametric models of building systems. It will introduce you to the user interface and basic HVAC, electrical, and plumbing/piping aspects of the software. By the end of the course, you will be familiar with the tools necessary to create and work with a parametric model by taking you through an MEP project from linking an architectural model to construction documents.

- **Introduction to BIM and Autodesk Revit**
  - BIM and Autodesk Revit
  - Overview of the Interface
  - Starting Projects and Basic Viewing Commands
- **Starting an MEP Project**
  - Project Templates
  - Linking/Importing Revit and CAD files
  - Modifying Linked/Imported files
  - Setting Up Levels
  - Creating Grids
- **Working with Views**
  - Project Browser
  - Duplicating Views
  - Setting the View Display
  - Adding Callout Views
  - Creating Elevations and sections
- **Revit Families**
  - Loading and Modifying Components
  - Placing Components
  - Working with Duct Components
  - Working with Electrical Components
  - Working with Plumbing Components
- **Basic Sketching and Modify Tools**
  - Drawing Ducts, Pipes, Cable Trays, and Conduits
  - General Sketching Tools
  - Selecting and Editing Elements
  - Working with Basic Modify Tools
- **Coordinating Linked Models**
  - Copy/Monitor Elements
  - Batch Copying Fixtures
- **Spaces**
  - Preparing a Model for Spaces
  - Adding and Working with Spaces
  - Exporting for Energy Analysis
- **Basic Systems Tools**
  - Connecting Components
  - Creating Systems - Overview
- **HVAC Systems**
  - Adding Ducts and Pipes
  - Modifying Ducts and Pipes
- **Plumbing Systems**
  - Adding and Connecting Plumbing Pipes
  - Modifying Plumbing Pipes
  - Adding Fire Protection Systems
- **Advanced Systems for HVAC and Plumbing**
  - Creating and Modifying Systems
  - Creating Automatic Layouts
  - Testing Systems
- **Electrical Systems**
  - Creating Electrical Circuits
  - Set Up Panel Schedules
  - Cable Trays and Conduit
  - Testing Electrical Layouts
- **Creating Construction Documents**
  - Setting up Sheets
  - Placing & Modifying Views on Sheets
  - Printing Sheets
- **Working with Annotations**
  - Working with Dimensions & Text
  - Creating Legends
- **Adding Tags and Schedules**
  - Adding Tags
  - Working with Schedules
- **Creating Details**
  - Setting up Detail Views
  - Adding Detail Components
  - Annotating Details