

REVIT MEP

1. Introduction to BIM and Revit MEP

- BIM and Autodesk Revit
- Overview of the Interface
- Starting Projects
- Viewing Commands

2. Basic Systems Tools

- Connecting Components
- Working with Additional Modify Tools
- Creating Systems – Overview

3. Starting Systems Projects

- Linking in Revit Models
- Setting Up Levels
- Copying and Monitoring Elements
- Batch Copying Fixtures
- Coordinating Linked Models

4. Working with Views

- Setting the View Display
- Duplicating Views
- Adding Callout Views
- Creating Elevations and Sections

5. Spaces and Zones

- Preparing a Model for Spaces
- Adding Spaces
- Working with Spaces
- Creating Zones
- Creating Color Schemes

6. Energy Analysis

- Preparing a Project for Energy Analysis
- Analyzing the Heating and Cooling Loads
- Exporting for Secondary Analysis

7. HVAC Networks

- Adding Mechanical Equipment and Air Terminal
- Adding Ducts and Pipes
- Modifying Ducts and Pipes

8. Advanced Systems for HVAC and Plumbing

- Creating and Modifying Systems
- Creating Automatic Layouts
- Testing Systems

9. Electrical Systems

- About Electrical Systems
- Placing Electrical Components
- Creating Electrical Circuits
- Setting up Panel Schedules
- Adding Cable Trays and Conduit
- Testing Electrical Layouts

10. Creating Construction Documents

- Setting Up Sheets
- Placing and Modifying Views on Sheets
- Printing Sheets

11. Annotating Construction Documents

- Adding Dimensions
- Working With Text
- Drawing Detail Lines and Symbols
- Creating Legends

12. Adding Tags and Schedules

- Adding Tags
- Working with Schedules

13. Creating Details

- Setting Up Detail Views
- Adding Detail Components
- Annotating Details

14. Introduction to Worksets

- Introduction to Worksets

15.Additional Tools

- **importing CAD Files**
- **Loading from Autodesk Seek**
- **Custom Piping**
- **Work with System Graphics**
- **Pressure Loss Reports**
- **Working with Guide Grids on Sheets**
- **Revision Tracking**
- **Annotating Dependent Views**
- **Importing and Exporting Schedules**
- **Creating Building Component Schedules**

16.Revit Families

- **Families Overview**
- **Different Kinds of Families**
- **Family Editor**
- **Opening the Family Editor**
- **The Families Guide**
- **Working with Families**
- **Viewing Families in a Project or Template**
- **Viewing Elements with a Specific Family Type in a Project**