



TECHHUB SOLUTIONS

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Revit MEP COURSE CONTENT

Module 1: Introduction to BIM and Autodesk Revit

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

Module 2: Basic Sketching and Modify Tools

Using General Sketching Tools, Inserting Components, Selecting and Editing Elements, Working with Basic Modify Tools

Module 3: Basic Systems Tools

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

Module 4: Starting Systems Projects

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

Module 5: Working with Views

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

Module 6: Setting Up Spaces

Preparing a Model for Spaces, Adding Spaces, Working with Spaces

Module 7: Heating and Cooling Loads Analysis

Creating Zones, Applying Color Schemes, Analyzing the Heating and Cooling Loads

Module 8: HVAC Networks

Adding Mechanical Equipment and Air Terminals, Adding Ducts and Pipes, Modifying Ducts and Pipes

Module 9: Plumbing Networks

Adding Plumbing Fixtures and Equipment, Adding Plumbing Pipes, Modifying Plumbing Pipes, Adding Fire Protection Networks

Module 10: Advanced Systems for HVAC and Plumbing

Creating and Modifying Systems, Creating Automatic Layouts, Testing Systems

Module 11: Electrical Systems

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

Module 12: Creating Construction Documents

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

Module 13: Annotating Construction Documents

Working with Dimensions, Working With Text, Adding Detail Lines and Symbols, Creating Legends

Module 14: Adding Tags and Schedules

Adding Tags, Working with Schedules

Module 15: Creating Details

Setting Up Detail Views, Adding Detail Components, Annotating Details

Appendix A: Introduction to Worksets**A.1 Introduction to Worksets****Appendix B: Additional Tools****B.1 Linking and Importing CAD Files****B.2 Building Type Settings****B.3 Defining Color Schemes****B.4 Custom Duct and Piping Types****B.5 Work with System Graphics****B.6 Pressure Loss Reports****B.7 Guide Grids and Sheets****B.8 Revision Tracking****B.9 Annotating Dependent Views****B.10 Importing and Exporting Schedules****B.11 Creating Building Component Schedules**