



This course covers the basics of Autodesk® Revit® MEP focusing on design and documentation of HVAC and electrical systems. The class includes a foundation of Autodesk® Revit® Architecture instruction with a focus on cross-discipline collaboration and coordination between engineering and architectural teams. The course includes hands-on exercises representing real-world design scenarios.

Prerequisites: MS Windows experience. Mechanical or Electrical engineering experience required.

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Course Objectives

Students will learn the recommended workflows and basic skills required to navigate Revit MEP and use its tools to create and modify MEP systems.

Upon completion of the course, the student will be able to:

Produce a building information model of a commercial design for mechanical and electrical systems.

Extract 2D drawings for construction documents.

Use the worksharing features to collaborate with multiple users on a single project.

Link Revit Architecture models with Revit MEP.

Use the automated tools for documenting schedules and sections.

Who Should Attend

This course is designed for new users of Revit MEP.

Course Outline

Revit Architecture

Getting Started

Building Information Technology

Using Revit Architecture

Exploring the User Interface

Managing Views

Working with Levels

Copy Monitoring-overview

The Basics of Building Model

Using Dimensions and

Constraints

Importing AutoCAD® Files

into Revit Architecture

Worksharing

Creating and Working

with Central Files

Creating Spaces and Zones

Using Revit MEP

Working in a Multiplatform, Multisystem Environment

Linking Projects

Exporting AutoCAD Files

Creating Templates

Designing Systems

Preparing HVAC Models for Design

Creating HVAC Designs

Creating Electrical Designs

Creating Piping and

Plumbing Designs

Documenting Project Information

Creating and Editing Schedules

Creating and Editing

Equipment Tags

Creating Sections and 3D Views

Creating Construction Sheets

Creating Detail Sheets

Creating Titleblocks