
Revit MEP Comprehensive

3 Days
24 AIA/CES

Course Description

This course covers the fundamental topics that all Revit MEP users need to understand before breaking out into their specific discipline. Students learn about the user interface, basic drawing and editing tools, project collaboration, annotation tools, and creating construction documents. Once this course is completed students will move on to learning their discipline specific tools.

The doors open at 8:45 a.m. Class begins at 9:00 a.m. and ends at 5:00 p.m. with two fifteen minutes breaks and a one hour lunch. We have bagels and coffee served in the morning upon arrival. A book and a certificate of completion are included in this fee.

Objectives

The primary objective of this course is to teach students the concepts of building information modeling and introduce the tools for parametric MEP design and documentation using Revit MEP.

After completing this course, students will be able to:

- Describe the benefits of Building Information Modeling (BIM).
- Navigate throughout the Revit MEP environment
- Use the basic drawing and editing tools on a Revit MEP project
- Collaborate with team members on a Revit MEP project
- Create construction documentation.

Who Should Attend

This course is designed for experienced users of Revit Architecture.

Prerequisites

Before attending this course, students should have a working knowledge of the following:

- Mechanical, Electrical, or Plumbing design, drafting, or engineering principles.
- Microsoft® Windows.

Course Outline

<p>Exploring the User Interface</p> <ul style="list-style-type: none">• The Ribbon and Quick Access Toolbar• User Interface Features• Menus and Settings <p>Basic Drawing and Editing Tools</p> <ul style="list-style-type: none">• General Drawing Tools and Techniques• Editing Revit Elements <p>Creating an Effective Project Template</p> <ul style="list-style-type: none">• Understanding Templates <p>Understanding the Project Browser Organization</p> <ul style="list-style-type: none">• Understanding Levels• Organizing Views & View Types• View Display Options• Establishing Project Settings• Defining Preloaded Content• Creating Sheet Standards <p>Worksets and Worksharing</p> <ul style="list-style-type: none">• Understanding Central Files• Working with Local Files• Managing and Using Worksets• Visibility and Worksets <p>Collaborating with other Disciplines</p> <ul style="list-style-type: none">• Preparing your Files for Sharing• Working with Linked Files• Coordinating Elements within Shared Models• Working with Non-Revit Files• Options for Quality Control	<p>Schedules</p> <ul style="list-style-type: none">• Defining Schedules• Scheduling Component and System Family Data• Using Schedules for Design and Analysis• Using Schedules for Project Management <p>Details</p> <ul style="list-style-type: none">• Drafting and Detailing Tools• CAD Details• Strategies for Creating a Detail Library• Model Detail Views <p>Sheets</p> <ul style="list-style-type: none">• Creating a Titleblock• Working with Sheets in a Project• Sheet Lists & Sheet Revisions• Printing & Exporting Sheets <p>Annotations and Detailing</p> <ul style="list-style-type: none">• Working with Dimensions• Adding Text• Adding Detail Lines and Symbols• Creating Legends• Setting Up Detail Views• Patterning
---	--

Note: The suggested course duration is a guideline. Course topics and duration may be modified by the instructor based upon the knowledge and skill level of the course participants