

Revit Fundamentals for MEP Overview

This four-day class is intended to introduce students to the software's user interface and the basic HVAC, electrical, and piping/plumbing components that make Revit MEP a powerful and flexible engineering modeling tool. The objective is to familiarize students with the tools required to create, document, and print the parametric model. The examples and practices are designed to take students through the basics of a full MEP project from linking in an architectural model to construction documents.

LEARNING OUTCOMES

- Navigate the Revit workspace and interface
- Work with the basic sketching tools, modifying tools, and datum elements such as levels and grids
- Link CAD and Revit files as the basis of a project
- Create pipe, duct, and electrical systems
- Set up sheets for plotting with text, dimensions, details, tags, and schedules

COURSE LENGTH 4 DAYS

PREREQUISITES

1. Basic Windows experience and knowledge of the MEP industry.
2. Students must have their own Autodesk software installed and working before the first day of class. We cannot troubleshoot software installation during class time.

COURSE TOPICS

Introduction to BIM and Autodesk Revit
Starting Systems Projects
Working with Views
Revit Families
Basic Sketching and Modify Tools
Copy/ Monitor Elements
Spaces
Basic Systems Tools

HVAC Systems
Plumbing Systems
Advanced Systems for HVAC & Plumbing
Electrical Systems
Creating Construction Documents
Annotation Construction Documents
Adding Tags and Schedules
Creating Details

- All classes are delivered live online via Microsoft Teams, 7:00 am–2:30 pm PT / 10:00 am–5:30 pm ET.
- Students must have their own Autodesk software installed and working before the first day of class. We cannot troubleshoot software installation during class time.
- All classes include access to an e-book training manual.
- All students who complete the course are eligible to receive an Autodesk Certificate of Completion.
- Course outcomes, pre-requisites, and topics may change based upon software version.