OVERVIEW OF COURSE

Autodesk Revit MEP Fundamentals

Course Length: 4 days

To take full advantage of Building Information Modeling, the Autodesk® Revit® MEP Fundamentals training course has been designed to teach the concepts and principles of creating 3D parametric models of MEP system from engineering design through construction documentation. The training guide is intended to introduce students to the software's user interface and the basic HVAC, electrical, and piping/plumbing components that make the Autodesk Revit software a powerful and flexible engineering modeling tool. The objective is to familiarize students with the tools necessary to create, document, and print the parametric model. The examples and practices are designed to take you through the basics of a full MEP project from linking in an architectural model to construction documents.

The topics include the following:

- Introduction to Autodesk® Revit®, its interface, including viewing, drawing, and editing commands
- Working with linked architectural files
- Creating and modifying views
- Understanding MEP systems in general
- Creating spaces and zones
- Analyzing heating and cooling loads
- Working with HVAC module to add air terminals, mechanical equipment, and create HVAC systems
- Working with the Piping module to add mechanical equipment as well as creating hydronic piping systems
- Working with fixtures, piping systems, and analysis tools in the Plumbing module
- Working with fire protection systems
- Working with components, circuits, cable tray, and conduits in the Electrical module
- Creating and annotating construction documents
- Adding tags and creating schedules
- Detailing in Autodesk MEP

Prerequisites:

This training class introduces the fundamental skills in learning the Autodesk Revit MEP software. It is highly recommended that students have experience and knowledge in MEP engineering and its terminology.

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