

## Technical Education Services

### Autodesk® Revit® MEP Fundamentals



Course Length: 4 days

To take full advantage of Building Information Modeling, the Autodesk® Revit® MEP Fundamentals training guide 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 MEP 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® MEP, its interface, including viewing, drawing, and editing commands
- Using HVAC module to add air terminals, mechanical equipment & create HVAC systems
- Working with the Piping module to add mechanical equipment as well as creating hydronic piping systems
- Understanding Autodesk Revit MEP systems in general
- Working with linked architectural files
- Creating and modifying views
- Creating spaces and zones
- Analyzing heating and cooling loads
- Working with fire protection systems
- Adding tags and creating schedules
- Detailing in Autodesk Revit MEP

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- Working with fixtures, piping systems, and analysis tools in the Plumbing module
- Working with components, circuits, cable tray, and conduits in the Electrical module
- Creating and annotating construction documents

### Prerequisites:

This training guide 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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- 2.3 Basic Modifying Tools
- 2.4 Helpful Editing Tools

### Chapter 3: Starting MEP Projects

- 3.1 Linking in Architectural Projects
- 3.2 Copying and Monitoring Elements
- 3.3 Setting Up Levels

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- A.1 Introduction to Worksets

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### Cancellation Policy

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