# Revit MEP 2013 Fundamentals

**Total Hours: 24**

To take full advantage of Building Information Modeling, the Revit MEP 2013 Fundamentals training class has been designed to teach the concepts and principles of creating 3D parametric models of MEP system from engineering design through construction documentation. The Revit MEP 2013 Fundamentals training 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 necessary to create, document, and print your parametric model.   This class is a full three days of training, where the examples and practices are designed to take the students through the basics of a full MEP project from linking in an architectural model to construction documents.

The main topics covered in the course include:

- Introduction to Revit MEP, its interface, including viewing, drawing, and editing commands
- Working with linked architectural files
- Creating and modifying views
- Understanding Revit 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 fire protection systems
- Working with fixtures and piping systems in the Plumbing module
- Working with components, circuits, cable tray, and conduits in the Electrical module
- Creating and annotating construction documents
- Adding tags and creating schedules
- Detailing in Revit MEP

**Prerequisites**:  An understanding of MEP terminology is an asset

**Optional 4<sup>th</sup> day** for more emphasis on each discipline. HVAC, Plumbing, Electrical

**Manual pages: 648**

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