

## Revit MEP - Fundamentals

**Total Hours: 24-32**

To take full advantage of Building Information Modeling, the Revit MEP 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 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.

### Topics Include:

- Introduction to Revit MEP, its interface, including viewing, drawing, and editing commands
- Inserting and connecting MEP components and using the System Browser
- Working with linked architectural files
- Creating spaces and zones so that you can analyze heating and cooling loads
- Creating HVAC networks with air terminals, mechanical equipment, ducts, and pipes
- Creating plumbing networks with plumbing fixtures and pipes
- Creating electrical circuits with electrical equipment, devices, and lighting fixtures and adding cable trays and conduits
- Creating HVAC and plumbing systems with automatic duct and piping layouts
- Testing duct, piping and electrical systems
- Creating and annotating construction documents
- Adding tags and creating schedules
- Detailing in Revit MEP

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

**Class Schedule:** **2 days Core Class, plus:**  
**1 day HVAC/Plumbing and/or 1 day Electrical – for a total of 3 or 4 days**

**Training Manual:** 692 pages



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