ROBOTECH CADSolutions

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# Revit MEP Mechanical

**1 Day**
**8 AIA/CES**

## Course Description

This is the follow-up to Revit MEP comprehensive and continues to build on the topics that were covered in that course. In this course students learn about the mechanical tools in Revit MEP.

The doors open at 8:45 a.m. Class begins at 9:00 a.m. and ends at 5:00 p.m. with two fifteen minutes breaks and a one hour lunch. We have bagels and coffee served in the morning upon arrival. A book and a certificate of completion are included in this fee.

## Objectives

The primary objective of this course is to teach students about the mechanical tools in Revit MEP.

After completing this course, students will be able to:

- Conduct HVAC Cooling and Heating Load Analysis
- Add Mechanical Systems and Ductwork
- Add Mechanical Piping

## Who Should Attend

This course is designed for new users of Revit MEP who have already completed the Revit MEP Comprehensive Course

## Prerequisites

Before attending this course, students should have a working knowledge of the following:

- Complete the Revit MEP Comprehensive course
- Mechanical, Electrical, or Plumbing design, drafting, or engineering principles.
- Microsoft® Windows.

# Course Outline

**Creating Logical Systems**

- Managing Systems
- Air Systems
- Piping Systems
- Display Properties of Systems

**HVAC Cooling and Heating Load Analysis**

- Modeling Spaces for Building Load Analysis
- Performing Heating and Cooling Load Analysis
- Exporting gbXML Data to Load-Simulating Software

**Mechanical Systems and Ductwork**

- Air Distribution Components
- Mechanical Equipment Components
- Ductwork
- Duct Types and Routing
- Duct Sizing

**Mechanical Piping**

- Mechanical Pipe Settings
- Pipe Routing Options
- Pipe Fittings
- Visibility of Pipes

***Note:*** The suggested course duration is a guideline. Course topics and duration may be modified by the instructor based upon the knowledge and skill level of the course participants