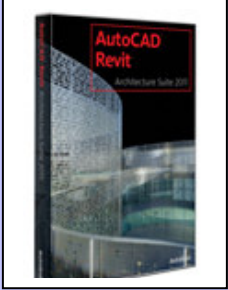


# Revit MEP Fundamentals

Course | 3 days

Class Hours | 8:30am - 4:30pm



**Autodesk Revit MEP Fundamentals** enables students to create full 3D MEP project models and place them in working drawings. The class focuses on the basic tools that the majority of users will need to work with Revit MEP. Topics include Interface, design and process workflow, setting up projects, worksets, as well as discipline specific topics on HVAC, Piping/Plumbing, and Electrical design.

**Prerequisites:** Basic knowledge of Windows Operating System, exposure to drafting and design techniques, and computer keyboard skills.



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## Interface

The User Interface.

## Revit MEP-Project Fundamentals

Rules for Revit MEP  
What is BIM  
Design and Project Workflow  
Project Template Settings  
Project Setup  
Worksets  
Printing/Collaboration (Working with DWG files)

## Analyzing the Model

Analyzing the Model  
Defining Spaces  
Adding HVAC Zones  
Color Scheme Legends  
Heating and Cooling Load Analysis  
HVAC airflow Analysis Schedule

## Mechanical Essentials

Adding and Modifying Equipment  
Defining System Relationships  
Creating Connection Geometry  
Sizing Duct  
Adding Accessories

## Electrical Essentials

Adding and Modifying Devices, Fixtures and Equipment  
Defining the System Relationship  
Creating the Connection Geometry  
Sizing Wire  
Electrical View Filters

## Plumbing/Piping/Fire Protection Essentials

Adding and Modifying Fixtures and Equipment  
Defining the System Relationship  
Creating the Connection Geometry  
Sizing Pipe  
Adding Accessories

## Coordinating the Model

Interference Check  
Coordination Review

## Annotating the Model

Adding Tags  
Adding Text and Dimensions  
Adding and Editing Schedules  
Defining Additional Views with Callouts  
Placing Views on Sheets