



# Revit MEP ESSENTIALS

## Course Duration:

16 Hours

## Overview:

This course is designed for new to intermediate users of Autodesk Revit MEP for schematics and documentation.

## Learning Objectives:

- Describe the value of BIM for MEP engineering and its benefits.
- Get familiar with Autodesk Revit MEP.
- Work with mechanical, electrical and plumbing components.
- Learn to create, document, and utilize a 3D parametric model.
- Learn more about basic workflows used in MEP projects.

## Prerequisites:

It is recommended to have a basic of MEP design skills, and be familiar with the latest versions of Microsoft Windows operating systems. Experience with any 3D modeling software is not required but will be an advantage.

## Acquisition:

Trainees will get a training manual and an industry recognized Certificate of Completion.

## Notes:

The fundamentals training is a detailed guideline. The training will go through detailed commands, workflows, and best practices that can be used in Autodesk Revit MEP.

## Course Description:

This training will give a detailed understanding of Autodesk Revit MEP and show the capabilities of the solution in terms of detailing and analysis. Recommended practices for the MEP engineering industry and associated workflows will be highlighted; including mechanical, electrical, and plumbing system design, documentation and optimization.

## Topics Covered:

### Introduction to BIM and Autodesk Revit

- BIM and Autodesk Revit
- Overview of the Interface
- Starting Projects
- Viewing, Drawing and Editing Commands

### Work with Linked Architecture File

- Copy/Monitor Levels
- Copy/Monitor then Replacing Lighting Fixtures

### Mechanical Design

- Creating Spaces and Zones
- Preliminary Heating & Cooling Load Analysis
- Mechanical Equipment and System Components
- Duct and Pipe Systems
- Duct Sizing and Annotation

### Electrical Design

- Lighting Fixtures and Switches
- Receptacles
- Circuiting Systems and Panelboards
- Wiring
- Panel Schedules
- Rebalancing Loads

### Plumbing Design

- Sanitary System
- Domestic Water System

### Coordination and Documentation

- Interference Detection
- Creating Construction Documents

For inquiries, please call or email:

8899-7853 loc 2158/2154  
09399734872

[inquiry@mscorp.com.ph](mailto:inquiry@mscorp.com.ph)

