# Revit Fundamentals - MEP

SOLIDCAD
A SYMETRI COMPANY

### General Information:

**Duration:** Electrical only is 3 days, otherwise 4 days

**Prerequisite:** A basic understanding of MEP design & drafting

**Courseware:** Included

**Achievement:** Certificate

Provincial Association of Architects Credits Eligible.

**Locations:** All courses are offered online, on-site, or in-person at SolidCAD training facilities across Canada, including:

Burnaby, BC
Calgary, AB
Edmonton, AB
Winnipeg, MB
Richmond Hill, ON
Montreal, QC
Quebec City, QC
Dartmouth, NS

**Pricing, Registration & Scheduling:** Please contact your account representative or our training coordinator at 1-877-438-2231 x227 or via email at training@solidcad.ca

**Complete course listing:** www.solidcad.ca/training

AUTODESK
Learning Partner

## Course Description:

This course provides a foundation for AECO professionals in using Revit as a tool to facilitate Building Information Modeling (BIM).

This training program is designed to teach you the Autodesk Revit functionality as you would work with it from design through construction documentation. You begin by learning about the user interface and basic drawing, editing, and viewing tools. Then you learn MEP modeling tools required to create, modify, analyze, and document a parametric model. The examples and practices are designed to take you through the basics of a full MEP project.

If you want to customize this course, SolidCAD's Technical Consultant will work with your team via a discovery meeting to ensure the following learning objectives align with your workflows and needs.

## Learning Objectives:

- Introduction to the Autodesk Revit software, including navigating the Revit interface.
- Starting an MEP project based on a linked architectural model and creating levels and grids as datum elements for the model.
- Understanding the project browser and working with views.
- Understanding Revit families and components.
- Working with the basic sketching and modifying tools.
- Copying and monitoring elements and coordinating linked models.
- Creating spaces so that you can analyze heating and cooling loads.
- Connecting and testing basic systems.
- Creating pipe systems with plumbing fixtures and pipes.
- Creating duct systems with air terminals, mechanical equipment, and ducts.
- Creating advanced HVAC and plumbing systems with automatic duct and piping layouts.
- Creating electrical circuits with electrical equipment, devices, and light fixtures and adding cable trays and conduits.
- Setting up sheets and placing and modifying views on sheets.
- Working with dimensions, text, annotations, and legends.
- Adding tags and working with schedules.
- Setting up detail views and adding detail components.

## Supplemental Learning:

Revit Intermediate, Advanced and Family Creation topics.