Revit Fundamentals – Residential

SOLIDCAD
A SYMETRI COMPANY

General Information:

Duration: 4 days

Prerequisite: A basic understanding of Residential 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 Residential modeling tools required to create, modify, and document a parametric model. The examples and practices are designed to take you through the basics of a full Residential 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:

- Understanding the purpose of BIM and how it is applied in Revit.
- Navigating the Revit workspace and interface.
- Setting up a residential house design project by linking CAD files.
- Creating levels, interior elevations, sections, and callouts.
- Adding component features, such as furniture, plumbing fixtures, casework, and kitchen and bathroom components.
- Working with the basic sketching and modifying tools.
- Modeling a 3D house with walls, floors, windows, doors, foundation, and footings.
- Creating ceiling soffits and raised ceilings.
- Adding architectural and structural columns, piers, pilasters, and augers.
- Applying finish carpentry, including baseboards.
- Adding soffits, fascia, gutters, frieze boards, and bird boxes.
- Modeling simple and complex roofs, including modifying roof joins and creating dormers in a house design project.
- Modeling residential stairs, balconies, and railings.
- Understanding the basics of design options by creating design option sets for a house design project.
- Setting up sheets for plotting with text, dimensions, details, tags, and schedules.
- Creating residential wall details in a house design project.

Supplemental Learning:

Revit Intermediate, Advanced and Family Creation topics.