Revit Fundamentals - Structure

SOLIDCAD
A SYMETRI COMPANY

General Information:

Duration: 4 days

Prerequisite: A basic understanding of structural 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 structural 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 structural 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 a structural 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
- Adding structural columns to a project and copying and monitoring elements from linked models
- Adding foundations and footings
- Creating structural framing, including beams, trusses, and framing systems
- Creating slabs for foundations, structural floors, and roofs
- Creating structural reinforcement, including placing rebar and adding fabric reinforcement
- 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.