

Revit Structure Advanced



Overview

Course Length: 24 hours (*can be taken via flexible schedule in-center or remotely*)

Description: Autodesk Revit Structure Advanced The Complete Guide is designed to give you a solid understanding of Revit Structure and its advanced features. It emphasizes family concepts and techniques, foundation modeling, reinforcements, and structural column families. Also, the course covers the various stages involved in structural analysis and project collaboration.

Autodesk Revit Structure provides tools specific to structural design for buildings and infrastructure projects. This course is specially meant for professionals and students in structural engineering, civil engineering and allied fields in the building industry; it helps them improve multidiscipline coordination of structural design documentation by minimizing errors and enhancing project team collaboration.

Course Objectives/Topics

New for Revit

Revit Multi-Disciplinary Improvements

Setting Up the Revit Structure Interface

Revit Structure Interface

Setting up Revit Structure File Locations

Family Concepts and Techniques

Family Types

Adding to the Family

Creating Custom Families

Creating a Composite Metal Deck Family

Creating a Tapered Concrete Column Family

Creating Trusses

Truss Techniques and Concepts

Finishing the Truss Family

Using Trusses in Projects

Adding a Truss to a Project

Attaching a Truss to a Roof or Slab

Creating Structural Walls and Floors

Architectural Walls and Structural Walls

Structural Floor Placement and Options

Using Structural Beam Systems

Creating Foundations

Isolated and Wall Foundations

Slab and Floor Slab Foundations

Reinforcement

Rebar and Fabric Settings

Reinforcement Settings

Structural Column Families

Setting Up a Structural Column Family

Finishing Off the Family Geometry

Creating Specific Family Types

Typical Concrete Corbelling Profile

Typical Annotation Arrow Symbol

Structural Analysis

Preparing Projects for Structural Analysis

Creating Analytical Views

Project Team Collaboration

Introduction to Worksets

Working with Workset

Practical practice and Projects

Put what you learned to use. Put it all together with a final project of your choosing.

Prerequisites

You don't need any previous experience with Autodesk Revit Structure to take this course.

Audience

New users to Autodesk Revit Structure.

Please note that course material, content, structure and delivery methods are subject to change without notice.

<https://www.visible-edge.com/home/education-training/>