

AUTODESK REVIT STRUCTURE ADVANCED



CSG Training Centre | Authorized Autodesk Training Centre | Certipoint Authorized Testing Centre

FOR WHOM

Structural Drafters, Structural Engineers

PRE-REQUISITION

Revit Structure Fundamentals 2019 or relevant.
Working knowledge of Windows Operating Systems.
Working knowledge of Structural design and terminology (recommended).

DURATION | VERSION

2 DAY(S), Version 2022

COURSE OBJECTIVES

This Training is intended to introduce learners to work on more advanced techniques and concepts beyond what was learned in the Autodesk Revit Structure Fundamentals (or relevant) training course. It is intended to broaden your knowledge and maximize your use of the Autodesk Revit Structure software. This training offers detailed information and practical exercises regarding creating families (tapered columns, precast slabs, tapered moment frame, and trusses), preparing the Autodesk Revit software analytical model for analysis and project sharing.

We also provide real live project situations solving tips by Trainers who possesses actual site experiences and live project datasets for you to work-on.

COURSE TOPICS

Creating Custom Templates

1. Preparing Project Templates
2. Customizing Annotation Types
3. Creating Title Blocks
4. Setting Up View Filters

Creating Schedules

1. Introduction to Schedules
2. Creating Building Component Schedules
3. Modifying Schedule Appearance
4. Additional Schedule Types
5. Advanced Schedule Options
6. Working with Project Parameters

COURSE TOPICS

Introduction to Revit Families

Custom System Families

1. Creating Wall, Roof, Floor, and Ceiling Types

Component Family Concepts

1. Creating Component Families
2. Creating the Parametric Framework
3. Creating Family Elements
4. Creating Family Types

Advanced Family Techniques

1. Additional Tools for Families
2. Visibility Display Settings

Additional Family Types

1. Creating 2D Families
2. Creating Line-based Families
3. Creating In-Place Families
4. Working with Shared Parameters

Creating Structural-Specific Families

1. Parametric Gusset Plate
2. In-Place Column Stiffeners
3. In-Place Slab Depression
4. Built-Up Column
5. Tapered Concrete Column
6. Truss Family
7. Precast Hollow Core Slab
8. Tapered Moment Frame

Additional Management Tools

1. General Settings
2. Creating Object Styles
3. Creating Fill Patterns
4. Creating Materials
5. Settings for Structural Projects
6. Additional Schedule Types
7. Basic User Interface Customization