

Learning Revit Structure 2011

Description

Duration: 3 Days

This course covers the basics of Autodesk Revit® Structure 2011. Users are introduced to the concepts of Building Information Modeling and the tools for parametric design, analysis, and documentation. They learn the fundamental features of Autodesk Revit Structure, learn to use the 3D parametric design tools for creating and analysing a project, and finish with construction documentation and design visualization.

Course Objectives:

To teach users the concepts of Building Information Modeling (BIM) and introduce the tools for parametric design, analysis, and documentation using Autodesk Revit Structure. Users will be able to complete their first Autodesk Revit Structure project after completing this class.

- Describe the benefits of building information modeling.
- Use the fundamental features of Revit Structure.
- Use the parametric 3D design tools for creating and analysing projects.
- Use the automated tools for documenting projects.
- Develop a level of comfort and confidence with Revit Structure through hands-on experience.

Who Should Attend & Prerequisites:

New Autodesk Revit Structure users or other Autodesk software users who want to learn essential elements of Autodesk Revit Structure. However, before using this courseware, the student should have a working knowledge of the following:

- Structural engineering or architectural design.
- Microsoft® Windows® XP or Microsoft® Windows® 7.



Learning Revit Structure 2011 Course Outline:

Day 1

Building Information Modeling

- Building Information Modeling

Revit Structure Basics

- Exploring the User Interface
- Working with Structural Elements and Families

Viewing the Structural Model

- Working with Views
- Controlling Object Visibility
- Working with Elevation and Section Views
- Working with 3D Views

Starting a New Project

- Setting Up a Project
- Adding and Modifying Levels
- Adding and Modifying Grids

Day 2

Creating Structural Columns and Walls

- Working with Structural Columns
- Working with Structural Walls

Creating Frames

- Adding Floor Framing
- Working with Beams and Beam Systems
- Working with Structural Steel Frames
- Working with Structural Concrete Beams

Creating Slabs and Roofs

- Adding Slabs
- Creating Roofs and Adding Structural Framing

Creating Foundations

- Adding Foundations

Stairs and Ramps

- Creating Stairs
- Creating Ramps

Day 3

Creating Detailing

- Working with Detail Views
- Adding Concrete Reinforcement
- Working with Drafting Views
- Working with CAD Details

Creating Construction Documentation

- Working with Sheets and Titleblocks
- Printing Sheets
- Exporting Content to CAD Formats

