

Revit Structure New User Training

3-day class

The Revit Structure New User course covers the core topics for working with the Revit Structure software. This course will teach you the concepts and principles from building design through construction documentation using the Autodesk Revit Structure software. Students will be introduced to the user interface and the basic building components of the software that makes it a powerful and flexible structural modeling tool. The objective is to familiarize you with the tools necessary to create, modify, and document your parametric model.

- **Introduction to BIM and Autodesk Revit**
 - Overview of the Interface
 - Starting Projects and Viewing Commands
- **Basic Sketching and Modify Tools**
 - Sketching Tools and Editing Elements
 - Working with Basic Modify Tools
 - Working with Additional Modify Tools
- **Starting Structural Projects**
 - Importing and Linking CAD Drawings
 - Linking in Revit Models
 - Setting up Levels
 - Copying and Monitoring Elements
- **Working with Views**
 - Duplicating Views and Adding Callouts
 - Setting the View Display
 - Creating Elevations and Sections
- **Structural Grids and Columns**
 - Adding Structural Grids
 - Placing Structural Columns
- **Adding Columns and Walls**
 - Placing Vertical and Slanted Structural Columns
 - Placing and Modifying Walls
- **Foundations**
 - Modeling Walls
 - Adding Wall Footings
 - Piers and Pilasters
 - Adding Isolated Footings
- **Structural Framing**
 - Modeling Structural Framing
 - Modifying Structural Framing
- **Adding Trusses**
- **Adding Structural Slabs**
 - Modifying Structural Slabs
 - Creating Shaft Openings
- **Structural Reinforcement**
 - Structural Reinforcement
 - Adding and Modifying Rebar
 - Reinforcing Walls, Floors and Slabs
- **Structural Analysis**
 - Preparing Projects for Structural Analysis
 - Viewing and Adjusting Analytical Models
 - Placing Loads
- **Creating Construction Documents**
 - Setting up Sheets
 - Placing and Modifying Views on Sheets
 - Printing Sheets
- **Annotating Construction Documents**
 - Working with Dimensions and Text
 - Adding Tags
 - Detail Lines and Symbols
 - Creating Legends
- **Creating Details**
 - Setting up Detail Views
 - Adding Detail Components
 - Annotating Details
- **Scheduling**
 - Structural Schedules
 - Graphical Column Schedules
 - Working with Schedules