

Autodesk Revit® Structure - Essentials

Course length: 3 days

Pre-requisites:

No previous CAD experience is necessary. Basic knowledge of the Microsoft Windows environment is recommended.

Topics covered:

- **Building Informations Modeling**
- **Revit Structure Basics**
 - The Revit User Interface
 - Working with Revit Elements and Families
- **Viewing the Structural Model**
 - Managing Views
 - Controlling Object Visibility
 - Creating Elevations and Sections
 - Working with 3D Views
- **Starting a New Project**
 - Starting a Project
 - Working with Levels
 - Adding Grids
- **Creating Structural Columns and Walls**
 - Adding Structural Columns
 - Adding Structural Walls
- **Creating Frames**
 - Adding Floor Framing
 - Working with Beams and Beam Systems
 - Creating Structural Steel Frames
- **Creating Slabs and Roofs**
 - Adding Floor Decks and Slabs
 - Adding Roofs
- **Creating Foundations**
 - Adding Footings and Grade Beams
 - Creating Foundation Slabs and Slabs on Grade
- **Additional Building Components**

- **Creating Plan Annotations and Schedules**
 - Adding Tags
 - Adding Dimensions, Symbols, and Text
 - Creating Legends
 - Creating Schedules

- **Creating Sections and Details**
 - Adding Structural Wall Sections and Reinforcement
 - Adding Detail Lines and Detail Groups
 - Importing Typical DWG Details
 - Adding Concrete Detail Components
 - Creating Steel Details

- **Creating Construction Documentation**
 - Working with Sheets
 - Printing Sheets
 - Exporting Content to CAD Formats