

**4 Day Training Class \$1,025.00 - Topics include:**

- Understand the purpose of Building Information Management (BIM) and how it is applied in Revit
- Navigating the Revit Architecture workspace and interface
- Working with the basic drawing and editing tools in Revit
- Creating Levels and Grids as datum elements for the model
- Creating a 3D building model with walls, curtain walls, windows, and doors
- Adding floors and roofs to the building model
- Creating component-based and custom stair
- Detailing Reflected Ceiling Plans with ceilings and lighting fixtures
- Adding component features, such as furniture and equipment
- Setting up sheets for plotting with text, dimensions, details, tags, and schedules
- Creating details

The objective of the Revit Architecture Fundamentals training guide is to enable students to create full 3D architectural project models and set them up in working drawings. This training guide focuses on basic tools that the majority of users need to work with Revit Architecture.

Outline:**Chapter 1: Building Information Modeling in Revit Architecture**

- Building Information Modeling
- Overview of the Revit Architecture Interface
- Revit Architecture Terminology
- Starting Revit Architecture Projects
- Viewing Commands

Chapter 2: Basic Drawing and Editing Tools

- General Drawing Tools
- Editing Revit Elements
- Basic Modifying Tools

Chapter 3: Datum Elements – Levels and Grids

- Setting Up Levels
- Importing CAD Files
- Creating Structural Grids
- Adding Columns

Chapter 4: Drawing and Modifying Walls

- Drawing and Modifying Walls
- Helpful Editing Tools

Chapter 5: Doors and Windows

- Adding Doors and Windows

Chapter 10: Reflected Ceiling Plans

- Creating Ceilings
- Ceiling Soffits
- Adding Ceiling Fixtures

Chapter 11: Roofs

- Creating Roofs
- Creating Roofs by Footprint
- Reference Planes and Work Planes
- Creating Roofs by Extrusion
- Cleaning Up Wall and Roof Intersections

Chapter 12: Vertical Circulation

- Creating Standard and Custom Stairs
- Creating Ramps
- Working with Railings

Chapter 13: Construction Documents

- Setting Up Sheets
- Placing and Modifying Views on Sheets
- Printing Sheets

Chapter 14: Annotating Construction Documents

- Working with Dimensions



Fundamentals

- Loading Door and Window Types from the Library
- Creating Additional Door and Window Sizes
- Working with Text
- Adding Detail Lines and Symbols

Chapter 6: Curtain Walls

- Creating Curtain Walls
- Adding Curtain Grids
- Working with Curtain Wall Panels
- Attaching Mullions to Curtain Grids

Chapter 7: Creating Views

- Duplicating Views
- Adding Callout Views
- Setting the View Display
- Creating Elevations
- Creating Sections

Chapter 8: Floors

- Creating Floors
- Creating Shaft Openings
- Creating Sloped Floors

Chapter 9: Components

- Adding Components

Chapter 15: Tags and Schedules

- Adding Tags
- Rooms and Room Tags
- Working with Schedules
- Creating Legends

Chapter 16: Detailing in Revit Architecture

- Setting Up Detail Views
- Creating Details
- Annotating Details
- Keynotes and Keynote Legends
- Patterning

Appendix A: Worksets

- Introduction to Worksets

Appendix B: Additional Tools

- Creating Curtain Wall types with Automatic Grids
- Annotating Dependent Views
- Enhancing Views
- Creating Dormers
- Revision Tracking
- Creating Schedules
- Creating a Repeating Detail

Prerequisites:

An understanding of Architectural terminology is an asset.