

# Revit® Architecture - Fundamentals

This class is designed to be a minimum of four days and is the introductory class for persons desiring to learn Revit® Architecture. The student should have a working knowledge of computers.

## Learning Objective

Using the Revit® software, the participant will learn the basics of the software, such as the interface, placing objects, creating levels and views, annotating the project, and creating sheets.

## Course Outline

- ✓ **Introduction to BIM and Autodesk Revit®**
  - BIM and Autodesk Revit
  - Overview of the Interface
  - Starting Projects
  - Viewing Commands
  - Modifying Components
- ✓ **Basic Sketching and Modify Tools**
  - Using General Sketching Tools
  - Editing Elements
  - Working with Basic Modify Tools
  - Working with Additional Modify Tools
- ✓ **Starting Architectural Projects**
  - Linking and Importing CAD Files
  - Linking in Revit Models
  - Setting Up Levels
  - Creating Structural Grids
  - Adding Columns
- ✓ **Modeling Walls**
  - Modeling Walls
  - Modifying Walls
  - Adding Room Elements
- ✓ **Working with Doors and Windows**
  - Inserting Doors and Windows
  - Loading Door and Window Types from the Library
  - Creating Additional Door and Window Sizes
- ✓ **Working with Curtain Walls**
  - Creating Curtain Walls
  - Adding Curtain Grids
  - Working with Curtain Wall Panels
  - Attaching Mullions to Curtain Grids
- ✓ **Working with Views**
  - Setting the View Display
  - Duplicating Views
  - Adding Callout Views
  - Creating Elevations and Sections
- ✓ **Adding Components**
  - Adding Components
- ✓ **Modeling Floors**
  - Modeling Floors
  - Creating Shaft Openings
  - Creating Sloped Floors
- ✓ **Modeling Ceilings**
  - Modeling Ceilings
  - Adding Ceiling Fixtures
  - Creating Ceiling Soffits
- ✓ **Modeling Roofs**
  - Modeling Roofs
  - Creating Roofs by Footprint
  - Establishing Work Planes
  - Creating Roofs by Extrusion
- ✓ **Modeling Stairs, Railings, and Ramps**
  - Creating Component Stairs
  - Modifying Component Stairs
  - Working with Railings
  - Creating Ramps
- ✓ **Creating Construction Documents**
  - Setting Up Sheets
  - Placing and Modifying Views on Sheets
  - Printing Sheets
- ✓ **Annotating Construction Documents**
  - Working with Dimensions
  - Working with Text
  - Adding Detail Lines and Symbols
  - Creating Legends
- ✓ **Adding Tags and Schedules**
  - Adding Tags
  - Working with Schedules
- ✓ **Creating Details**
  - Setting up Detail Views
  - Adding Detail Components
  - Annotating Details

The instructor may vary the topics and outline depending on the students participating in the class or other situations.