

Revit® Architecture 2017 - 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® 2017 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
- ✓ **Basic Sketching and Modify Tools**
 - Using General Sketching Tools
 - Editing Elements
 - Working with Basic Modify Tools
 - Working with Additional Modify Tools
- ✓ **Setting Up Levels and Grids**
 - Setting Up Levels
 - Creating Structural Grids
 - Adding Columns
 - Linking and Importing CAD Files
- ✓ **Modeling Walls**
 - Modeling Walls
 - Modifying Walls
- ✓ **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
 - Elevations and Sections
- ✓ **Adding Components**
 - Adding Components
 - Modifying 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
 - Sketching Custom Stairs
 - 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
 - Adding Rooms and Tags
 - Working with Schedules
- ✓ **Creating Details**
 - Setting up Detail Views
 - Adding Detail Components
 - Annotating Details
 - Keynoting and Keynote Legends

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