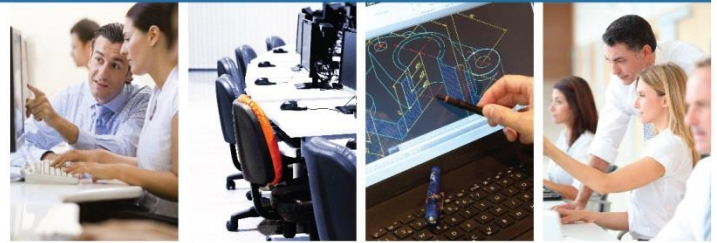


REVIT ARCHITECTURE 2018 FUNDAMENTALS

COURSE OUTLINE



Class Description

This class will enable students to create full 3D architectural project models and set them up in working drawings. Students will learn how to use the Revit Architecture workspace and interface to draw floor plans with walls, windows and doors, as well as create sections, elevations and 3D views. Students will also learn how to add component features, such as furniture and equipment.

Prerequisites

Basic Windows experience and knowledge of the Architecture or Construction industry.

Class Length: 3 days

Course Topics

Introduction to BIM and Autodesk Revit

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

Basic Sketching & Modify Tools

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

Levels & Grids

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

Modeling Walls

- Modeling Walls
- Modifying Walls

Working with Doors & Windows

- Inserting Doors and Windows
- Loading Door and Window Type from 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

- Duplicating Views
- Adding Callout Views
- Setting the View Display
- Creating Elevations & 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
- Reference Planes & Work Planes
- Creating Roofs by Extrusion
- Cleaning Up Wall & Roof Intersections

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 and Sheets

Annotating Construction Documents

- Working with Dimensions
- Working with Text
- Adding Detail Lines & Symbols
- Creating Legends

Adding Tags and Schedules

- Adding Tags
- Rooms & Room Tags
- Working with Schedules

Creating Detail

- Setting up Detail Views
- Adding Detail Components
- Annotating Details