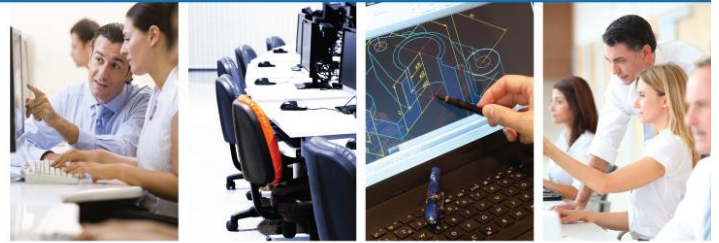


# REVIT ARCHITECTURE 2019

## COURSE OUTLINE



### Class Description

This class is comprised of 3 separate modules in which students learn the basics of using Revit to create 3D architectural project models. Students will learn how to use the Revit Architecture workspace and interface.

### Prerequisites

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

### Course Topics

#### Module 1: Basic Concepts & Tools

*Length: 2 half days*

##### 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

##### Working with Views

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

#### Module 2: Architecture Modeling Fundamentals

*Length: 3 half days*

##### 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

##### 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

#### Module 3: Creating Construction Documents

*Length: 2 half days*

##### Working with Views

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

##### 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