

### COURSE DESCRIPTION

This course covers a wide range of advanced topics in Revit® Architecture, continuing to build on the concepts introduced in the Revit Architecture Essentials course. Students learn about site design, advanced rendering techniques, phasing and design options, creating families of custom components, and collaborating on a design.

### TARGET GROUP

The course aim to user who have basic knowledge of the Autodesk Revit Architecture or have attended the Revit Architecture Essential class before.

### COURSE DURATION

Full Time :3 Days

### LEARNING OBJECTIVES

By the end of the course, participants should be able to:

- Understand View Composition workflow.
- Use Design Option & Phases for working
- Link Revit models, coordinate and monitor changes in a current project
- .Fully utilize the worksharing function.
- Understand the difference between In-Place & Loadable families.
- Customize loadable families

### CAREER PATH

- 3D Modeller, BIM Technician, 3D Visualizer, Project Technical Draughtperson, 3D CAD Draughtperson, 3D CAD Designer

### COURSE PRE-REQUISITES

This course is designed for existing Revit Architecture users.

It is recommended that you have:

- Basic Revit Architecture skills.

- Completed the Revit Architecture Essentials courseware.
- Architectural design, drafting, or engineering experience is recommended.
- A working knowledge of Microsoft®
- Windows® 7, Microsoft® Windows® Vista, Microsoft® Windows® XP, or Microsoft® Windows® 2000.

### COURSE CONTENT

#### DAY 1

#### VIEW COMPOSITION

##### Managing View

- View Filter
- View Template
- Plan Region

#### PROPOSAL ARRANGEMENT

##### Design and Analysis

- Phases Guidelines for Creating and Using Phases

##### Design Options

- Properties of Design Options
- Working with Design Option Sets

#### PROJECT COLLABORATION

##### Linking Files

- Linked Projects
- Managing Shared Coordinates
- Linked Locations. Acquiring and Reporting Shared Coordinates.
- Project Collaboration
- Monitoring & Coordinating Linked Projects

##### Interference Checks

- Guidelines for Checking and Fixing Interference Conditions

##### Revit Architecture Worksharing

- Process of Project Sharing
- About Worksets & Central File
- Guidelines for Sharing Projects Using Worksets

#### DAY 2

#### FAMILIES CUSTOMIZATION

#### Conceptual Design

- Working with In- Place & Loadable Mass
- Add Massing Shapes to a Project
- Mass Conversion Tools
- Converting Massing Shapes to Building Components.

#### Creating Advanced Components

- In-Place Families
- About Solids and Voids
- Creating 3D Geometry .
- Modifying In-Place Families

#### DAY 3

#### FAMILIES CUSTOMIZATION CONT'

##### Families

- Component Families & Family Editor
- Parametric Formulas
- Process of Creating Standard Component Families

##### Nested Families

- Linked Parameters

##### Component Groups

- Placing, Saving, and Converting Component Groups Duplicating and Editing Component Groups