

Course Title: Revit Architecture Advanced

Course Code: REV-2A

Duration: 2 Days

Courseware Description

As Architectural projects developed it is essential Revit users are able to customize Revit content to be able to meet the project deliverables. This course will allow students to use Revit to explore different design solutions and develop custom content, as well as fully understand site and phasing conditions.

Objectives

The objective of the *Revit Architecture Advanced* course is to enable students who know Revit Fundamentals to expand their knowledge to be able to customize existing and create new family content. Setup existing site conditions and establish new site works, including demolition drawings. Explore different options for design solutions and have a fundamental understanding of Revit Massing and its capabilities.

Upon completion of the course, students will be able to:

- Create loadable & in-place families
- Create custom parameters
- Create massing elements
- Drive System families from Mass elements
- Establish existing, demolition and proposed new works documentation.
- Create different building design options
- Create site elements and establish survey coordinates
- Understand where and how to use work sharing and worksets

Who Should Attend

This courseware is designed for experienced users of Revit Architecture.

Prerequisites

It is recommended that students have a working knowledge of:

- Students should have completed the *Revit Architecture Introduction (REV-1A)* course or have equivalent experience using Revit Architecture. Architectural design, drafting, or engineering experience is highly recommended. Knowledge of basic techniques is assumed, such as creating walls, roofs, and other objects, copying and moving objects, creating and working with views, etc.
- Microsoft® Windows® 7, Vista, XP or 2000

Course Outline

Family Concepts and Techniques.

- Introduction to Creating Families
- Creating the Parametric Framework
- Creating Family Elements
- Additional Tolls for Families
- Creating Family types
- Visibility Display Settings
- Overview of Family Creating

Creating Specific Families.

- Creating Custom Doors and Windows
- Creating In-Place Families
- Creating Profiles
- Creating Annotation Families
- Working with Shared Parameters

Project phasing & Design Options

- Project Phasing
- Design Options

Site Design

- Creating Topographical Surfaces
- Property Lines and building Pads
- Modifying Toposurfaces
- Annotating Site Plans
- Site Components
- Shared Positioning

Massing Studies

- Overview of Massing Studies
- Placing Mass Elements
- Creating Conceptual Massing
- Setting Work Planes
- Creating Mass Forms
- Dynamic Editing for Conceptual Massing
- Form Massing to Building

Project team collaboration

- Introduction to Worksets
- Opening and saving workset-related projects
- Working in workset-Related Projects
- Setting Up worksets

