

Revit Architecture Advanced

Duration:

2 Days

Students learn a wide range of advanced topics in Revit® Architecture, building on the concepts introduced in the *Learning Revit Architecture (or Essentials)* course. Students learn about site design, advanced rendering techniques, phasing and design options, creating families of custom components, and collaborating on a design.

Course Objectives:

The primary objective of this courseware is to teach students how to use powerful tools and advanced techniques in Revit Architecture.

After completing this course, students will be able to:

- Create complex designs and professional-looking renderings.
- Create conceptual designs.
- Customize and create objects.
- Collaborate on designs with other team members using Revit Architecture.

Who Should Attend & Prerequisites:

This courseware is designed for experienced users of Revit Architecture 2010.

Before using this courseware, students should have completed the *Learning Revit Architecture (or Essentials)* course or have equivalent experience using Revit Architecture. In addition, students should have working knowledge of the following:

- Architectural design, drafting, or structural engineering.
- Microsoft® Windows® XP or Microsoft® Windows® 2000.



Course Outline:

Day 1

Importing and Exporting Files

- Importing and Using External Files
- Exporting to External Files

Linking Files

- Working with Linked Revit Architecture Projects
- Monitoring and Coordinating Linked Projects

Conceptual Design

- Working with Mass Shapes
- Converting Mass Shapes to Building Components

Creating Advanced Components

- Creating and Using In-Place Families
- Creating and Modifying Component Families
- Creating Nested Families
- Working with Component Groups

Day 2

Design and Analysis

- Designing in Phases
- Using Design Options
- Running an Interference Check
- Area Plans and Color Fills

Revit Architecture Worksharing

- Project Sharing with Worksets
- Managing Worksets and Multiple Users

Working with Professionals

- Working on a Site Design
- Working with a Structural Engineer

Advanced Rendering

- Creating Realistic Presentations
- Rendering Interior Scenes Using Radiosity

