

Revit Architecture Advanced

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.

This course offers both imperial and metric hands-on exercises representing real-world design scenarios.

Suggested Course Duration:	2 days
Pages:	274
Trial CD:	No
Onscreen Exercises Included?	Yes

Objectives

The primary objective of this course is to teach students the powerful tools and advanced techniques for creating complex designs and professional-looking renderings, creating conceptual designs, creating and customizing objects, and collaborating on designs with other team members using Revit Architecture.

Who Should Attend

This course is designed for experienced users of Revit Architecture.

Prerequisites

Students should have completed the *Revit Architecture Essentials* course or have equivalent experience using Revit Architecture. Architectural design, drafting, or engineering experience is highly recommended. It is also recommended that the student have a working knowledge of 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 Revit Architecture Linked Files
- Monitor and Coordinate 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 Parametric Families
- Creating Nested Families
- Working with Component Groups

Day 2

Design and Analysis

- Designing in Phases
- Using Design Options
- Checking and Fixing Interference Conditions

Revit Architecture Worksharing

- Managing Project Sharing with Worksets
- Managing Worksets and Multiple Users

Working with Professionals

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

Advanced Rendering

- Creating Realistic Presentations
- Creating Rendered Interior Scenes

Note: The suggested course duration is a guideline. Course topics and duration may be modified by the instructor based upon the knowledge and skill level of the course participants.

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