

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
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 be comfortable with the fundamentals of Autodesk Revit as taught in the Autodesk Revit Architecture Essentials course. Knowledge of basic techniques is assumed, such as creating walls, roofs, and other objects, copying and moving objects, creating and working with views, etc.

Course Outline

Conceptual Design

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

Visualization

- Perspectives
- Creating Walkthroughs
- Solar Studies

Rendering

- Basic Rendering
- Working with Lighting
- Enhancing Renderings

Creating Custom Templates

- Preparing Project Templates
- Customizing Annotation Styles
- Creating Title blocks
- View Templates

Custom Walls, Roofs & Sections

- Creating Wall, Roof & Floor Types
- Adding Sweeps to Walls, Roofs & Floors
- Vertically Compound Walls
- Vertically Stacked Walls

Family Concepts & Techniques

- Introduction into Creating Families
- Creating the Parametric Framework
- Creating Family Elements
- Additional Tools for Families
- Creating Family Types
- Visibility Display Settings
- Overview of Family Creation

Creating Specific Families

- Creating In-Place Families
- Creating Profiles
- Creating Annotation Families
- Working with Shared Parameters

Creating Architectural Families

- Creating Doors & Windows
- Creating Angled Cornices & Copings
- Creating Custom Railings
- Families for Railings, Balusters & Panels

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.

Autodesk and Revit Architecture are trademarks or registered trademarks of Autodesk, Inc., in the USA and/or other countries. All other brand names, product names, or trademarks belong to their respective holders.

© 2012 Autodesk, Inc. All rights reserved.

Autodesk®

<http://www.amscad.com/training/>