

## Revit Architecture – Advanced

This course builds on the concepts taught in Revit Architecture Essentials, introducing advanced techniques to help students be even more proficient in their use of Revit Architecture. During this course, students will learn how to manage linked files and control their location and visibility; control a project's phases of construction as well as several design options; be able to create custom content as well as more complex structures like parts, stairs and roofs; and get started with massing elements.

At the end of this course, students will be able to leverage advanced tools and features of Revit and understand when they can be most appropriately used.

### Who should attend?

Autodesk Revit Architecture users who want to learn how to create content and take advantage of some of the more advanced elements of Autodesk Revit Architecture.

### Prerequisites

Prior completion of Revit Architecture Essentials, or have demonstrated equivalent knowledge of the Revit Architecture, is required. Architectural design and drafting experience is strongly recommended. Must be comfortable working in a Microsoft Windows environment.

### Questions?

Please call us at 800-336-3375.

### Course Outline

#### Collaboration

- Importing & Exporting
- Working with Revit Linked Files

#### Building Site Tools

- Importing Vector & Raster
- Linking Projects
- Site Plans & Top Surfaces
- Working with Site Tools & Site Components

#### Phasing & Design Options

- Using Design Options
- Design in Phases

#### Design & Analysis

- Project Collaboration
- Building Energy Analysis
- Sun Studies

#### Advanced Rendering Techniques

- Rendering Interiors
- Walkthroughs
- Managing Material Libraries

#### Extracting Information

- IFC and ODBC Database Export/Import
- Running an Interference Check

#### Parametric Components

- Creating & Using In-Place Families
- Creating & Modifying Parametric Families
- Creating Nesting Families
- Using Component Groupings

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## Revit Architecture – Advanced [CONTINUED]

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### Conceptual Massing

- Creating & Using In-Place Families
- Utilizing Divided Surfaces
- Energy Analysis from Massing Models

### Creating Custom Designs

- Creating Complex Roofs
- Creating Complex Stairs
- Creating Structural Systems

### Autodesk Revit Worksharing

- Managing Project Sharing with Worksets
- Managing Worksets & Multiple Users
- Controlling Workset Visibility & Graphic Overrides

### Construction Documentation

- Working with Rooms
- Creating Parts & Assemblies
- Working with Legends
- Managing Revisions
- Keynoting