

Autodesk® Revit® Architecture Complete Guide

Built for Building Information Modeling (BIM), Autodesk® Revit® Architecture software helps you capture and analyze your most innovative design concepts and maintain your vision through documentation. The information-rich models that the software provides support decision making for sustainable design, clash detection, construction planning, and fabrication, while helping you work collaboratively with engineers, contractors, and owners. All design changes along the way are automatically updated throughout your evolving design and documentation, making for more coordinated processes and reliable documentation.

User's prerequisites

You don't need any previous experience with Autodesk® Revit® Architecture to take this course.

Course Outline

Introducing Revit and the User Interface

- Understanding the Revit Interface
- Understanding the Interface Workflow
- Using Common Modifying Tools

Walls and Curtain Walls

- Understanding Wall Types and Parameters
- Creating Numerous Wall Configurations
- Modifying Walls
- Creating Curtain Walls
- Modifying Curtain Walls

Floors, Roofs, and Ceilings

- Creating Floors
- Laying Out Roofs
- Adding Ceilings

Stairs, Ramps, and Railings

- Creating Stair Configurations
- Designing Ramps
- Building Railings for Level and Sloped Conditions

Adding Families

- Understanding the Model Hierarchy
- Working with System Families
- Working with Component Families

Modifying Families

- Editing View Display and Detail Level
- Changing the Family Category
- Modifying Family Geometry
- Schematic Design
- Working from a Sketch
- Modeling In-Place Masses
- Creating and Scheduling Mass Floors

Rooms and Color Fill Plans

- Defining Color-Fill Room Plans
- Generating Color-Fill Room Plans

Materials, Rendering, and Visualization

- Using Materials
- Using Graphic Display Options and Rendering

Worksharing

- Enabling Worksharing
- Worksharing Workflow
- Creating New Elements and Worksharing Display Modes
- Worksharing Best Practices

Details and Annotations

- Creating Details
- Working with Details
- Annotating Your Details
- Using Legends

Autodesk® Revit® Architecture Complete Guide is designed to give you a solid understanding of Revit® Architecture features and capabilities from the basics through to advanced components. Every course is designed to use all learning styles from text, audio, video, interactivity, quizzes to practical "Let Me Try" examples.

Creating Drawing Sets

- Understanding Schedules
- Creating Schedules
- Placing Views on Sheets
- Printing Documents

Workflow and Site Modeling

- Understanding a BIM Workflow
- BIM Project Roles
- Modeling a Site
- Performing Quality Control on your Model

Tips, Tricks, and Troubleshooting

- Repeating Objects
- Optimizing Performance
- Utilizing Best Practices
- Using Tips and Shortcuts
- Finding Additional Resources

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