

Name of the Program

Autodesk Revit Architecture

Program Summary:

The Revit Architecture course features straightforward explanations and real-world, hands-on tutorials to teach new users the software's core features and functions.

Presented in the context of real-world workflows, and using real-world projects, each chapter contains a discussion of the "why" and "how" that is reinforced with a step-by-step tutorial so you'll gain practical and applicable experience with the core features of Revit Architecture. The new pedagogical approach emphasizes learning skills to help you prepare for the Revit certification exams.

Topics to be Covered:

Chapter 1 Introducing the Autodesk Revit Architecture Interface

1. Understanding the User Interface
2. Creating a Simple Layout
3. Create a Floor
4. Now You Know

Chapter 2 Walls and Curtain Walls

1. Understanding Wall Types and Parameters
2. Basic Walls
3. Stacked Walls
4. Curtain Wall Types
5. Hosting Elements in Walls
6. Creating Wall Configurations
7. Editing and Resetting Wall Profiles
8. Cutting Openings
9. Splitting Walls

10. Swapping Walls
11. Creating Curtain Walls
12. Editing Wall Profiles
13. Embedding Curtain Walls
14. Curtain Panels
15. Adding and Removing Grids and Mullions
16. Now You Know

Chapter 3 Floors, Roofs, and Ceilings

1. Creating Floors
2. Creating Roofs
3. Adding Ceilings
4. Now You Know

Chapter 4 Stairs, Ramps, and Railings

1. Creating a Generic Railing
2. Creating Stair Configurations
3. Designing Ramps
4. Now You Know

Chapter 5 Adding Families

1. Understanding the Model Hierarchy
2. Working with System Families
3. Loading System Families
4. Working with Component Families
5. Employing Hosted Families
6. Working with In-Place Component Families
7. Finding Content
8. Now You Know

Chapter 6 Modifying Families

1. Modifying 3D Families
2. Family Categories
3. Modifying 2D Families
4. Repeating Details
5. Family Tips and Best Practices
6. Now You Know

Chapter 7 Schematic Design

1. Importing a 2D Image
2. Designing with a 3D Sketch
3. Creating Revit Elements from a Mass
4. Now You Know

Chapter 8 Rooms and Color Fill Plans

1. Defining Rooms in Spaces
2. Room Tags
3. Room Boundaries
4. Room Separation Lines
5. Deleting Rooms
6. Generating Color Fill Room Plans
7. Now You Know

Chapter 9 Materials, Visualization, Rendering

1. Materials
2. Graphic Display Options
3. Rendering
4. Now You Know

Chapter 10 Worksharing

1. Configuring Worksharing
2. Saving to the Central Model
3. Worksharing Display Modes
4. Editing Requests
5. Worksharing Best Practices
6. Now You Know

Chapter 11 Details and Annotations

1. Creating Details
2. Detail Line
3. Region
4. Component
5. Arranging Elements in the View
6. Repeating Detail Component

7. Insulation
8. Detail Groups
9. Linework
10. Annotating Your Details
11. Dimensions
12. Tags
13. Text
14. Creating Legends
15. Now You Know

Chapter 12 Drawing Sets

1. Schedules
2. Understanding Schedules
3. Placing Views on Sheets
4. Printing Documents
5. Now You Know

Chapter 13 Workflow and Site Modeling

1. Understanding a BIM Workflow
2. Staffing a BIM Project
3. Project Roles Using Revit Architecture
4. Architect
5. Modeler
6. Drafter
7. Adding Team Members to Fight Fires
8. Modeling a Site
9. Toposurface
10. Building Pad
11. Performing Quality Control on Your Model: Keeping an Eye on File Size
12. Purging Unused Families and Groups
13. Managing Links and Images

14. Cutting Down on the Number of Views
15. Dealing with Warnings
16. Now You Know

Chapter 14 Repeating Objects, Best Practices, and Quick Tips

1. Repeating Objects
2. Optimize Performance
3. Figuring Out How Much RAM Your Project Will Need
4. Reducing File Size
5. Utilize Best Practices
6. Use Quick Tips and Shortcuts
7. Locate Additional Resources
8. Now You Know

Targeted Trainees:

New Autodesk Revit Architecture users or other Autodesk software users who want to learn essential elements of Autodesk Revit Architecture.

Certificate:

Awarded from Autodesk.