

Revit Architecture



Overview

Course Length: 40 hours (*can be taken via flexible schedule in-center or remotely*)

Description: Autodesk Revit Architecture - The Complete Guide is designed to give you a solid understanding of Revit Architecture, its features, and capabilities, from the basics through to the most advanced and complex topics. This course covers Creating Walls, Adding Site Features, Using Massing Tools, Rendering and Walkthroughs, and Using Advanced Features. Autodesk Revit allows professionals to optimize building performance and share model data with engineers and contractors. It is software for architectural design, MEP, and structural engineering, and a solution for collaborative BIM; its powerful tools let you use the intelligent model-based process to plan, design, construct, and manage buildings and infrastructure.

Course Objectives/Topics

New for Revit Architecture

Introduction to Revit Architecture

User Interface
Options and Help
Starting an Architectural Project

Starting a New Architectural Project

Navigation Tools

Creating Walls

Creating Architectural Walls
Creating Architectural Walls II

Using Basic Building Components I

Adding Doors
Adding Window and Wall
Openings

Using the Editing Tools

Working with Selection Sets
Editing Tools
Editing Tools II
Grouping
Retrieving Information about
Elements

Datum Planes & Creating Std Views

Working with Reference Planes
Working with Levels & Grids
Working with Project Views

Using Basic Building Components II

Creating Floors
Creating Roofs
Shape Editing Tools
Creating Ceilings
Adding Rooms

Using Basic Building Components III

Working with Components
Adding Stairs
Adding Railings and Ramps
Creating Curtain Walls

Adding Site Features

Working with Site Features
Property Lines and Building Pads
Adding Site Components

Using Massing Tools

Understanding Massing Concepts
Creating Massing Geometry
in the Family Editor
Creating Families

Adding Annotations and Dimensions

Adding Tags & Keynotes

Creating Project Details & Schedules

Project Detailing
Adding Text Notes
Working with Schedules

Creating Drawing Sheets and Plotting

Creating Drawing Sheets
Creating Duplicate Dependent Views

Creating 3D Views

Three Dimensional Views

From Rendering to Walkthroughs

Working with Materials
Rendering in Revit Architecture
Creating a Walkthrough

Using Advanced Features I

Creating Structural Components
Using Area Analysis Tools

Using Advanced Features II

Worksharing Concepts
Working with Linked Models
Project Standards and Browsers
Revit Architecture Interoperability

Practical practice and Projects

Put what you learned to use. Put it all together with a final project of your choosing.

Prerequisites

No prerequisites are required, but experience with architectural design, drafting or engineering is helpful.

Audience

New users to Autodesk Revit.

Please note that course material, content, structure and delivery methods are subject to change without notice.

<https://www.visible-edge.com/home/education-training/>