



Specialization
Advanced MEP
Building

Value Added Services
Authorized Certification Center
Authorized Training Center
Consulting Specialized
Product Support Specialized

Revit Architecture

3 Days
24 AIA/CES



Course Description

In this hands-on course, students use Revit Architecture to learn about Building Information Modeling (BIM) and the tools for parametric building design and documentation. During the three-day course, students learn about the fundamental features of Revit Architecture, modeling tools, annotating, and construction documentation.

Course is conducted either online or at our Autodesk Authorized Training Center in Hoboken, NJ. Class regularly begins at 9:00 a.m. and ends at 5:00 p.m. with two fifteen minutes breaks and a one-hour lunch. Autodesk Certification Tests are available separately on request.

Objectives

The primary objective of this course is to teach the students the concepts of building information modeling and introduce the tools for parametric building design and documentation using Revit Architecture.

After completing this course, students will be able to:

- Describe the benefits of Building Information Modeling (BIM).
- Use the fundamental features of Revit Architecture.
- Use the parametric 3D design tools to design projects.
- Create detailing and drafting views.
- Create construction documentation.

Who Should Attend

This course is designed for individuals with little or no Revit experience and are involved within the AEC industry. Users will want to learn how to use the latest design software to bring their ideas to life.

Prerequisites

Before attending this course, students should have working knowledge of the following:

- Some level of proficiency in AutoCAD or similar computer aided design software is recommended.
- Architectural drafting, design, or engineering principles.
- Microsoft Windows.

Course Outline

Revit Architecture Basics

- Exploring the User Interface
- Navigating throughout a Revit Project
- Starting, Opening and Saving a Revit Project
- Editing Elements

Starting a Design

- Creating and Modifying Levels
- Working with Grids

The Basics of the Building Model

- Adding Structural Columns
- Adding and Modifying Walls
- Creating Custom Wall Types
- Adding and Modifying Doors and Windows

Developing the Building Model

- Creating Curtain Walls
- Creating and Modifying Floors
- Adding Stairs and Railings
- Adding and Modifying Ceilings
- Adding and Modifying Roofs

Loading Additional Building Components

- Adding and Modifying Component Families

Using Dimensions and Constraints

- Working with Dimensions
- Applying and Removing Constraints

Detailing and Drafting

- Creating Callout Views
- Working with Text and Tags
- Working with Detail Views
- Working with Drafting Views

Viewing the Building Model

- Managing Views
- Controlling Object Visibility
- Working with Section and Elevation Views
- Creating and Modifying 3D Views

Schedules

- Creating and Modifying Schedules
- Creating Rooms and Room Schedules
- Creating Legends and Keynotes

Presenting the Building Model

- Creating New Sheets
- Adding Views to Sheets
- Working with Title Blocks
- Printing Drawing Sheets and Sheet Sets

Template Creation

- Creating an RVT File
- Adding standards to the RVT File
- Saving & reusing the RVT File

Note: The suggested 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.