

Revit Fundamentals for Architecture Overview

This four-day class will enable students to create full 3D architectural project models and set them up in working drawings. Students will learn how to use the Revit Architecture workspace and interface to draw floor plans with walls, windows, and doors, as well as create sections, elevations, and 3D views. Students will then learn to combine these elements into annotated construction documents.

LEARNING OUTCOMES

- Navigate the Revit workspace and interface
- Work with the basic sketching tools, modifying tools, and datum elements such as levels and grids
- Create 3D building model with walls, windows, doors, floors, ceilings, roofs, stairs, and ramps
- Add components and understand the difference between component and system families
- Set up sheets for plotting with text, dimensions, details, tags, and schedules

COURSE LENGTH 4 DAYS

PREREQUISITES

1. Basic windows experience and knowledge of the Architecture industry.
2. Students must have their own Autodesk software installed and working before the first day of class. We cannot troubleshoot software installation during class time.

COURSE TOPICS

Introduction to BIM & Autodesk Revit
Starting a Project
Working with Views
Revit Families
Basic Sketching & Modify Tools
Adding Columns
Modeling Walls
Working with Doors & Windows

Modeling Floors
Modeling Ceilings
Modeling Roofs
Modeling Stairs, Railings, & Ramps
Creating Construction Documents
Working with Annotations
Adding Tags & Schedules
Creating Detail

- All classes are delivered live online via Microsoft Teams, 7:00 am–2:30 pm PT / 10:00 am–5:30 pm ET.
- Students must have their own Autodesk software installed and working before the first day of class. We cannot troubleshoot software installation during class time.
- All classes include access to an e-book training manual.
- All students who complete the course are eligible to receive an Autodesk Certificate of Completion.
- Course outcomes, pre-requisites, and topics may change based upon software version.