

# REVIT

## LEVEL 1



**Duration: 10 Modules/ 20 hours**

**Prerequisites: N/a**

**Recognized Certification: Yes**

**Course material: provided**

**Pedagogical means:**

- Distance learning
- Demonstrations
- Training material included

**Skills acquired at the end of the training:**

- Starting Revit with a template file
- Adding Levels to generate floorplans
- Add various wall types both exterior and interior
- Add different window and door types
- Adding floor slabs
- Adding ceilings and roofs
- Adding stairs and railings
- Adding Annotations (room labels, dimensions)
- Setting up Printable pages

## DESCRIPTION

Revit is a powerful software program that has revolutionized the way architects, engineers, and construction professionals design, document, and collaborate on building projects. Developed by Autodesk, Revit allows the designer to create detailed building designs, visualize the project in 3D, and produce detailed documentation and construction drawings.

In Revit – Level 1, students will begin by setting up Levels that will generate floorplans. Next, they will begin to create the virtual building in 3d by creating the basic building structure, walls, floors, roofs, stairs, ect. Next, Basic Annotations such as room labels and dimensioning will be added. Creating printable pages with title block will conclude this level 1 course.

## PROGRAM

### Module 1: Introduction/ setup/ Basic Walls

- Intro to Revit
- Starting Revit
- Identifying the User Interface Components
- Understanding the Project Browser
- Understanding the Properties Palette
- Using the Mouse to navigate around the drawing
- Understanding the Navigation Bar
- Understanding the View Cube

- Visual Styles
- Starting a New Project from a template
- Understanding the Units and Snaps
- Understanding Ways to Select Objects
- Using the Keyboard to select
- Creating and Modifying Levels
- Creating and Modifying Grids
- Drawing a basic generic wall

### Module 2: Adding other Walls types

- Walls
- Wall command Interface
- Placing walls
- Wall structure
- Creating new wall types
- Creating Curtain Walls
- Creating Curtain Grids and Mullions
- Sweeps and Reveals
- Modifying Walls
- Storefront Wall

### Module 3: Adding Interior walls

- Adding interior walls using the sketch method
- Add floor slabs

### Module 4: Adding Windows and doors/ Floors

- Adding windows and doors



- Adding doors in a curtain wall
- Adding a storefront wall

### Module 5: Adding Roofs/ Ceilings

- Adding ceilings
- Adding different types of roofs

### Module 6: Adding Railings/ Stairs/ Ramps

- Adding railings
- Adding stairs
- Adding ramps

### Module 7: Adding Fixtures and furniture

- Adding families (components)
- Adding furniture
- Add fixtures
- Bimobjects.com

### Module 8: Create Presentation drawings package

- Adding room labels
- Creating a printable sheets with various views
- Creating a sheet
- Getting view ready to place on a sheet (presentation style)
- floor plans
- Elevations
- Building sections
- Interior elevations
- Room schedule

### Module 9/10: Presentation drawings Project

- Commercial building project

### QUESTIONS & ANSWERS

