

# Revit Architecture Essentials

COURSE | 15 HOURS

Class Hours | 2:00 pm to 5:00pm



Three-day, hands-on course covering the fundamentals of designing and modeling buildings within an intelligent, integrated Building Information Model. Going beyond basic picks and clicks training, our industry-experienced instructors focus on the design and documentation process within Revit to reinforce Architectural workflows. Learn how to use the powerful tools within Revit Architecture to create a coordinated BIM model

Prerequisite: Basic knowledge of Windows Operating System, drafting techniques, and computer keyboard skills.



## Course Outline

### Course Objectives

Gain an understanding of the BIM concepts that will dramatically increase project efficiency. Using our proven instructor-led method, we will provide architects, designers, and drafters with the information and skills needed to streamline the design process through the use of a coordinated Revit model.

To ensure confidence in your new skills, we extend your classroom training with 90 days of free follow-up support on all class material.

### Course Outline Day 1

#### Building Information Modeling

- Building Information Modeling

#### Revit Architecture Basics

- Exploring the User Interface
- Introduce the different Revit Elements and Families
- Starting a Project

#### Starting a Design

- Adding and Modifying Levels
- Adding and Modifying Grids

#### The Basics of the Building Model

- Adding and Modifying Walls
- Using Revit Editing Commands
- Adding and Modifying Doors
- Adding and Modifying Windows

#### Loading Additional Building Components

- Adding Loadable Component Families to a Project

### Day 2

#### Developing the Building Model

- Adding and Modifying Floors
- Adding and Modifying Ceilings
- Adding and Modifying Roofs
- Adding Curtain Walls

#### Viewing the Building Model

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

#### Using Dimensions and Constraints

- Placing Dimensions and Tags
- Applying and Removing Constraints

### Day 3

#### Working In Teams

- Working With CAD Import/ Link Files
- Getting Started with Worksharing

#### Detailing and Drafting

- Creating Callout Views
- Working with Detailed Views
- Working with Drafting Views

#### Construction Documentation

- Creating and Modifying Schedules
- Creating Rooms and Room Schedules
- Placing Text, Tags & Keynotes

#### Presenting the Building Model

- Working with Drawing and Printing Sheets
- Working with Titleblocks

#### Time Permitting:

- Creating Vertical Openings
- Creating Basic Renderings

**Note:** Outlined topics and daily schedule may be modified slightly per instructor's discretion and class structure.

### Location:

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