Revit Architecture Fundamentals Training

This class is designed to be a minimum of three days and is the introductory class for persons desiring to learn Revit. The student should have a working knowledge of the personal computer.

Learning Objective
Using Revit Architecture software, the participant will learn the basics of the software, such as the interface, placing walls, doors, windows, floors, roofs, creating levels and views, annotating the project, creating printing sheets.

Building Information Modeling in Revit
Building Information Modeling
Revit Terminology
Overview of the Revit Interface
Starting Revit Projects
Viewing Commands

Preliminary Design
Working with Massing Studies
Presenting the Preliminary Design

Basic Drawing and Editing Tools
General Drawing Tools
Editing Revit Elements
Helpful Editing Tools
Importing CAD Files

Datum Elements – Levels and Grids
Setting Up Levels
Creating Structural Grids
Adding Columns

Drawing and Modifying Walls
o Drawing and Modifying Walls
o Helpful Editing Tools

Doors and Windows
Adding Doors and Windows
Loading Door and Window Types from the Library
Creating Additional Door and Window Sizes
Creating Storefront Windows

Floors
Creating Floors
Creating Openings
Creating Building Sections

Roofs
Creating Roofs by Footprint
Setting Up a Roof Plan
Reference Planes and Work Planes
Creating Roofs by Extrusion
Cleaning Up Wall and Roof Intersections

Vertical Circulation
Adding Callout Views
Creating Standard and Custom Stairs
Creating Ramps
Adding and Modifying Railings

Reflected Ceiling Plans
Creating Ceilings
Adding Ceiling Fixtures

Interiors
Introduction to Worksets
Duplicating Views
Setting the View Display
Adding Furniture and Fixtures to a Project
Mirror and Array
Creating Interior Elevations

Construction Documents
Setting Up Sheets
Placing and Modifying views on Sheets
Printing Sheets

Annotating Construction Documents
Working with Text
Adding Detail Lines and Symbols
Working with Dimensions

Tags and Schedules
Adding Tags
Working with Schedules

About the Instructor:
Doug Bowers, AIA

Doug Bowers combines 30 years of architecture/engineering/construction (AEC) experience with 20 years experience in managing and consulting in the use of various design software packages.

Doug recently worked on projects for a multi-office multi-disciplinary firm using Revit and AutoCAD Architecture. He served in roles of Project Manager, Project Architect, and Project BIM Manager. Doug was also a member of the BIM Implementation Team, the CADD Committee, and Project BIM Manager for a multi-company $130 million Revit-based project. Doug's prior experience with Revit was instrumental in helping the organization adapt to utilizing Revit and Building Information Modeling. Doug performed Revit new user training for employees, as well as weekly Revit lunch 'n learns for employee ongoing training.

Doug's experience also includes working as a Senior Consultant for a nationwide Autodesk Value-Added-Reseller. In this role, Doug assisted client companies with implementation of Revit and AutoCAD Architecture. He provided custom training for both users and CAD Managers, in addition to standardized training sessions for various levels of difficulty. Client software version upgrade customizations and training were also an important part of his position. Doug routinely spoke to companies about utilizing BIM software and the impact it would have on their organization.

Doug spent over 7 years managing design software for a 16-office nationwide architectural firm. As the Director of CADD Technologies, Doug was responsible for management of regional office CADD Managers, in addition to all customization and implementation of the design software. He developed standard training for all new CADD users and conducted customized training sessions throughout the offices.

Doug's 30 years of experience in the AEC industry includes the project types of retail, education, offices, justice/detention, churches, medical, warehouses, and manufacturing. His project roles during that time include Project Manager, Project Architect, and Design-Build Manager. Throughout his career, he has been instrumental in combining architecture and design software technology to increase the organization's productivity.