

Learning Revit Architecture 2010



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Duration | 3 Days

AIA HRS | 24 HRS

Description:

This guide covers the basics of Autodesk Revit® Architecture 2010. Users are introduced to the concepts of Building Information Modeling and the tools for parametric building design and documentation. Users begin with learning the fundamental features of Autodesk Revit Architecture, and then progress through schematic design, construction documentation, and design visualization.

This guide offers both imperial and metric hands-on exercises representing real-world architectural design scenarios.

Prerequisites:

No previous CAD experience is necessary. However, architectural design, drafting, or engineering experience is highly recommended. It is also recommended that the student have a working knowledge of Microsoft® Windows® XP, Microsoft® Windows® 2000, or Microsoft® NT 4.0.

Learning Units/Hours: 24 Hours

Objectives:

To teach users the concepts of Building Information Modeling and introduce the tools for parametric building design and documentation using Autodesk Revit Architecture 2010. Users will be able to complete their first Autodesk Revit Architecture project after completing this class.

Course Outline:

Building Information Modeling

- Building Information Modeling for Architectural Design

Revit Architecture Basics

- Exploring the User Interface
- Working with Revit Elements and Families
- Starting a Project

Starting a Design

- Creating and Modifying Levels
- Creating and Modifying Grids

Training Facilities

Virginia Beach, VA
Richmond, VA
Roanoke, VA

Inlet Technology

192 Ballard Court
Suite 306
Virginia Beach, VA
23462

Ph: 757.496.2323
Fax: 757.496.2424



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The Basics of the Building Model

- Creating a Basic Floor Plan
- Adding and Modifying Walls
- Working with Compound Walls
- Using Editing Tools
- Adding and Modifying Doors
- Adding and Modifying Windows

Loading Additional Building Components

- Working with Component Families

Viewing the Building Model

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

Using Dimensions and Constraints

- Working with Dimensions
- Applying and Removing Constraints

Developing the Building Model

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

Detailing and Drafting

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

Construction Documentation

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

Presenting the Building Model

- Working with Drawing Sheets
- Working with Titleblocks
- Managing Revisions
- Creating Renderings
- Using Walkthroughs
- Using Sun and Shadow Settings

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Inlet Training Class Registration Form



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Training Class Information

Class Name _____
Class Start Date _____ Duration (# of days) _____
Student 1 _____ eMail _____
Student 2 _____ eMail _____
Student 3 _____ eMail _____
Student 4 _____ eMail _____
Student 5 _____ eMail _____
Student 6 _____ eMail _____
Student 7 _____ eMail _____
Student 8 _____ eMail _____
Student 9 _____ eMail _____
Student 10 _____ eMail _____

Payment Information

CREDIT CARD

Type (Circle One) Visa Mastercard American Express _____
Credit Card Number _____
Expiration Date _____ 3-4 digit Verification Code _____
Name on Card _____ Amount to be Charged \$ _____
Billing Address _____

CHECK

Check Number _____ Amount \$ _____

PURCHASE ORDER

PO Number _____ Amount \$ _____
Purchasing Contact _____ Telephone _____
e-Mail _____

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