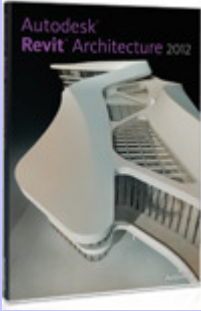


Revit Architecture Fundamentals

Course | 4 days *

Class Hours | 8:30am - 4:30pm



Revit Architecture Fundamentals enables students to create full 3D architectural project models and place them in working drawings. The class focuses on the basic tools that the majority of users will need to work with Revit. Topics include creating floor plans, adding views, adding various building components, and creating sheets for plotting.

Prerequisites: Basic knowledge of Windows Operating System, exposure to drafting and design techniques, and computer keyboard skills.



Autodesk
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Visit mwcad.com for a complete class schedule or call us at 800-279-3221.

*The suggested course duration is a guideline. Course topics and timeline may be modified by the Instructor based upon the knowledge and skill level of the course participants.

Building Information Modeling

- Building Information Modeling
- Overview of Revit Architecture Interface
- Revit Architecture Terminology
- Starting Revit Projects, Viewing Commands

Basic Drawing and Editing Tools

- General Drawing Tools
- Editing Revit Elements
- Basic Modifying Tools

Datum Elements – Levels and Grids

- Setting up Levels, Importing CAD Files
- Creating Structural Grids, Adding Columns

Drawing and Modifying Walls

- Drawing and Modifying Walls
- Helpful Editing Tools

Doors and Windows

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

Curtain Walls

- Creating Curtain Walls, Adding Curtain Grids
- Working with Curtain Wall Panels
- Attaching Mullions to Curtain Grids

Creating Views

- Duplicating Views, Adding Callouts Views
- Setting the View Display
- Creating Elevations Creating Sections

Floors

- Creating Floors
- Creating Shaft Openings
- Creating Sloped Floors

Components

- Adding Components

Reflected Ceiling Plans

- Creating Ceilings
- Creating Ceiling Soffits
- Adding Ceiling Fixtures

Roofs

- Creating Roofs
- Creating Roofs by Footprint
- Reference Planes and Work Planes
- Creating Roofs by Extrusion
- Cleaning Up Wall and Roof Intersections

Vertical Circulation

- Creating Standard and Custom Stairs
- Creating Ramps
- Working with Railings

Construction Documents

- Setting Up Sheets
- Placing and Modifying Views on Sheets
- Printing Sheets

Annotating Construction Documents

- Working with Dimensions and Text
- Adding Detail Lines and Symbols

Tags and Schedules

- Adding Tags
- Working with Schedules
- Creating Legends

Detailing in Revit Architecture

- Setting up Detail Views
- Creating Details, Annotating Details
- Keynotes and Keynote Legends, Patterning