

**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.

**Prerequisite:** Knowledge of the Windows operating environment and drafting & design techniques.

## Introduction to BIM & Revit

BIM and Autodesk Revit, Overview of the Interface, Starting Projects, Viewing Commands

## Basic Drawing and Modifying Tools

Using General Tools, Editing Elements, Basic Modifying Tools & Additional Tools

## Setting Up Levels and Grids

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

## Modeling Walls

Modeling & Modifying Walls

## Doors and Windows

Adding Doors and Windows, Loading Door and 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

## Views

Duplicating Views, Adding Callout Views, Setting the View Display, Creating Elevations, Creating Sections

## Adding Components

Adding & Modifying Components

## Modeling Floors

Modeling Floors, Creating Shaft Openings

## Modeling Ceilings

Modeling Ceilings, Creating Ceiling Soffits, Adding Ceiling Fixtures

## Modeling Roofs

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

## Stairs, Railings and Ramps

Creating Component Stairs, Modifying Assembled Stairs, Sketching Custom Stairs, Creating Ramps, Working with Railings

## Construction Documents

Setting Up Sheets, Placing & Modifying Views, Printing Sheets

## Annotating Construction Documents

Working with Dimensions, Working with Text, Adding Detail Lines and Symbols, Creating Legends

## Tags and Schedules

Adding Tags, Rooms and Room Tags, Working with Schedules

## Detailing in Revit

Setting Up Detail Views, Adding Detail Components, Annotating Details

### What students are saying about our courses:

"I loved how the instructor focused the materials to our needs and uses. Great course!"  
- *Matthew Crockett,*  
*Aquaterra Environmental Solutions*

"The instructor was very knowledgeable and ensured everyone grasped the concepts before moving on. He answered all questions even if they were outside the scope of the class. Great Job!"  
- *Vern Howard,*  
*Honeywell FM&T*

\* 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.