

# AutoCAD® Architecture - Fundamentals

This class is designed to be a minimum of three days and is the introductory class for persons desiring to learn AutoCAD® Architecture. The student should have a working knowledge of computers.

## Learning Objective

Using the AutoCAD® Architecture software, the participant will learn the basics of using the software, such as the interface, placing walls, doors, windows, floors, roofs, creating sections and elevations, and annotating the model with text, dimensions, and tags.

## Course Outline

- ✓ **Desktop Features**
  - Setting the Template for QNEW
  - Creating a New Geometric Profile
  - Creating a New Visual Style
  - Creating a New Wall Style
  - Creating a Tool
  - Copying a Style to a Template
  - Exploring the Display Manager
  - Creating a Text Style
  - Project Settings
- ✓ **Site Plans**
  - Creating Custom Line Types
  - Creating New Layers
  - Creating a Site Plan
  - Creating a Layer User Group
- ✓ **Floor Plans**
  - Adding ACA Catalogs to the Catalog Browser
  - Adding Tools from the Content Browser to the Tool Palette
  - Going from a 2D to 3D Floor Plan
  - Importing a PDF into ACA
  - Creating Walls
  - Creating a Floor Plan Using an Image
  - Adding Doors
  - Create an Arched Opening Tool
  - Adding an Opening
  - Adding Window Assemblies
- ✓ **Space Planning**
  - Creating AEC Content
  - Furnishing the Common Areas
  - Adding to the Service Areas
- ✓ **Roofs**
  - Creating a Roof Using Existing Walls
  - Roof Slabs
  - Modify Roof Line
- Trimming Roof Slabs
- Adding a Gable
- Roof Styles
- ✓ **Structural Members**
  - Creating Member Styles
  - Creating Member Shapes
  - Adding Structural Members
- ✓ **Rendering & Materials**
  - Modifying the Material Browser Interface
  - Copy a Material from a Library to a Drawing
  - Adding Color to Walls
  - Reference Manager
  - Camera View
  - Create Rendering
  - Render in Cloud
  - Create an Animation
- ✓ **Documentation**
  - Creating a Custom Titleblock
  - Verifying the Project Settings
  - Creating Elevation Views
  - Creating Layouts
  - Creating a Sheet
  - Loading a Linetype
  - Apply a Fire Rating Line
  - Assigning Fire Ratings to Wall Properties
  - Creating a Schedule Tag
  - Modify a Dimension Style
  - Dimensioning a Floor Plan
  - Create a Wall Section
  - Add Keynotes
  - Create a Section View
  - Add a Callout
  - Creating Space Styles
  - Adding Spaces
  - Modifying Spaces
  - Adding Room Tags
  - Adding Door Tags

The instructor may vary the topics and outline depending on the students participating in the class or other situations.

- Create a Door Schedule
- Create a Door Schedule Style
- Create a Room Schedule
- Creating Layer States
- Applying Layer States to Layouts
- Create a PDF Document

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