AutoCAD® Architecture Fundamentals

Course Length: 3 days

In addition to the standard AutoCAD® software tools, the AutoCAD® Architecture software offers a host of features that greatly increase the speed and efficiency of architectural drawings. The software is designed to work from first concept (conceptual design or mass model) through to design development, working drawings, and facility maintenance.

AutoCAD® Architecture Fundamentals focuses on the design development, construction documentation, and visualization features of the AutoCAD Architecture software (the basic tools that the majority of students require when working).

The main topics covered include:

- Creating basic floor plans with walls, doors, and windows.
- Creating specialty objects, such as column or ceiling grids, stairs & railings.
- Adding roofs and floor slabs.
- An introduction to Projects and the Project Navigator.
- Adding furniture, fixtures, and equipment.
- Creating details.
- Displaying elevations, sections, and perspectives.
- Marks, tags & schedules, and other documentation.
- Drawing cameras, adding lights, and basic rendering.

Course description shown for Autodesk AutoCAD Architecture 2014. Topics, curriculum, and/or prerequisites may change depending on software version.
Prerequisites:
Students should have a solid background in the AutoCAD software because AutoCAD tools and concepts are essential for working with the AutoCAD Architecture software. In particular, students should be familiar with the basic 3D viewing tools (preset views, 3D Orbit, and Visual Styles), layouts, Paper Space/Model Space issues, and external references (XREFS). A working knowledge of the Ribbon interface is helpful but not essential, as pertinent tools are covered in the training guide.

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- User Interface
- Viewing in 3D

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- Modifying Walls
- Creating Curtain Walls

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- Accessing Styles with Style Manager
- Modifying Wall Openings

Chapter 4 Structural Design
- Creating Custom Column Grids
- Modifying Custom Column Grids
- Annotating Custom Column Grids
- Working with Structural Members
- Working with Standard Column Grids (Optional)

Chapter 5 Reflected Ceiling Plans
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- Inserting Ceiling Fixtures
Chapter 6 Vertical Circulation
- Adding Stairs
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Chapter 7 Floors
- Creating Floor Slabs
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- Editing Slabs Using Slab Tools

Chapter 8 Roofs
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Chapter 9 Fixtures, Furnishings, and Equipment
- Furnishing the Building Design
- Adding Blocks to the Tool Palettes

Chapter 10 Introduction to Drawing Management
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- Using the Project Navigator

Chapter 11 Building Model Views
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- Elevations and Building Sections
- Modifying Callout Objects
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Chapter 12 Annotation
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Chapter 15 Visualization
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Appendix A Visual Styles and Animation
- Creating Visual Styles
- Animating with ShowMotion
- Motion Path Animations

Appendix B Project Practices
Cancellation Policy

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