

AutoCAD Architecture Essentials training course

Course Description

Teaches how to use AutoCAD Architecture's productivity-enhancing tools to create plans and detailed drawings, create a complete construction document set and organize drawings in the Project Navigator.

Course Duration: 3 days
Courseware provided: Yes

Objectives

To teach the recommended workflows and basic skills for creating and modifying 2D design and construction documents with AutoCAD Architecture. After completing this course, delegates will be able to create design and construction drawings.

Who Should Attend

Architects, architectural technicians and drafters working in the construction industry. The course is particularly suited to individuals working in the architectural and construction industry with AutoCAD who want to enhance efficiency through the use of AutoCAD Architecture.

Prerequisites

Delegates should have a good working knowledge of:

- Standard AutoCAD – either through experience, or by attending an *AutoCAD Essentials* course.
- Architectural principles.
- Microsoft® Windows®.

Course Outline

Introduction to AutoCAD Architecture

- Understanding AutoCAD Architecture
- The User Interface
- Viewing in 3D

Basic Wall Construction

- Adding Walls
- Modifying Walls
- Creating Curtain Walls

Creating Wall Openings

- Adding Wall Openings
- Modifying Wall Openings

Structural Design

- Creating Column Grids and Columns
- Modifying Column Grids
- Annotating Column Grids
- Working With Structural Members

Reflected Ceiling Plans

- Creating Ceiling Grids
- Modifying Ceiling Grids
- Inserting Ceiling Fixtures

Vertical Circulation

- Adding Stairs
- Modifying Stairs
- Adding Railings
- Modifying Railings

Floors

- Creating Floor Slabs
- Modifying Floor Slabs
- Editing Slabs Using Slab Tools

Roofs

- Creating Roofs
- Modifying Roofs
- Working with Roof Slabs
- Modifying Roof Slabs
- Roof Slab Tools

Fixtures, Furnishings and Equipment

- Furnishing the Building Design
- Adding Blocks to the Tool Palettes

Introduction to Drawing Management

- Project Concepts
- Using the Project Navigator

Building Model Views

- Boundary and Detail Callouts
- Elevations and Building Sections
- Modifying Callout Objects
- Using Live Sections

Annotation

- Drawing Scale for Annotation
- Adding Text and Leaders
- Dimensioning in AutoCAD Architecture
- Other Annotation Tools

Scheduling

- Adding Door and Window Tags
- Editing Tag Data
- Creating Schedules
- Editing Schedules

Creating Details

- Creating Details from Tool Palettes
- Using the Detail Component Manager
- Annotating Details with Keynotes

Basic Visualization

- Visualization
- 3D Navigation Tools
- Working with ShowMotion

Please note: Course topics may be modified by the instructor based upon the knowledge and skill level of the course participants.

Autodesk and AutoCAD Architecture are trademarks or registered trademarks of Autodesk, Inc., in the USA and/or other countries. All other brand names, product names, or trademarks belong to their respective holders.

Autodesk reserves the right to alter product offerings and specifications at any time without notice, and is not responsible for typographical or graphical errors that may appear in this document.

© Autodesk, Inc. All rights reserved.

