



AutoCAD Architecture 2012 Essentials

Course Details

Course Duration: 3 days

Award: Autodesk Official Certificate in AutoCAD Architecture 2012 Essentials

Course Description

This hands-on foundation course focuses on the features used to create and edit plans. New Autodesk® AutoCAD Architecture 2012 users can achieve immediate productivity gains by learning how to use AEC objects to refine a preliminary sketch to include walls, doors, windows, openings, door and window assemblies, curtain walls, slabs, stairs, structural grids with columns, ceiling grids with fixtures, and roofs. This course also covers how to manage drawings to create an assembled building model with sections and elevations. Finally, the course introduces project concepts and how to use the Project Navigator. The three-day course uses a printed manual and hands-on exercises.

Objectives

At the end of this course you will be able to

- Create building plans from preliminary line work to a finished drawing
- Create and edit the AEC objects, such as doors and windows, that are used in plan Drawings

Who Should Attend

New users of AutoCAD Architecture meeting the prerequisites below.

Prerequisites

This course is intended for **experienced AutoCAD users** (use AutoCAD regularly). Attendees should have a working knowledge of Microsoft Windows XP or Vista.

Course Content

Day 1 – Basic Drafting

- Introduction and Overview
- Interface familiarisation
- Drafting Tools/ AEC Modify Tools
- Walls: Drawing, editing, Styles, Creating new Styles
- Doors: Drawing, editing, Styles, Adding Materials
- Windows: Drawing, editing, Styles, Adding Materials
- Door/ Window Assemblies: Styles, Creating New styles, editing
- Curtain Walls: Styles, Creating New styles, editing
- Slabs: Drawing, Editing, Creating Styles, Editing Edges
- Stairs & Railings: Drawing, Editing, Styles

Day 2 – Detailed Drafting & Documentation Tools

- Roofs: Drawing, Editing, Styles
- Creating Roof Windows & Dormers
- Mass Elements: Creating, Editing, Styles
- Structural Grids / Members: Creating, Editing Grids, Member Styles
- Scheduling & Tagging: Creating and Editing Table
- Detailing: Creating Details, Detail Component Manager, Edit Database
- AEC Dimensions Styles
- Callouts – Creating 2D Sections and Elevations
 - Annotation

Day 3 – Project Browser & Visualisation

- Set up New Project and work through a mini project using the drawing tools and documentation tools learned in Day 1 and Day 2.
- Project Browser – Constructs (Floor Plans) / Views (Bring our 3D Model Together) /Sheet (Creating Sheets for Plotting)
- Introduction to Visualisation in Architecture – Light Control, Cameras, Applying Materials

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