



Specialization  
Advanced MEP  
Building

Value Added Services  
Authorized Certification Center  
Authorized Training Center  
Consulting Specialized  
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# AutoCAD Advanced

**3 Days**  
**24 AIA/CES**



## Course Description

This course is designed for the experienced AutoCAD user who requires additional training. It incorporates the features, commands, and the techniques for becoming more productive when creating, annotating, and printing drawings using AutoCAD.

Course is conducted either online or at our Autodesk Authorized Training Center in Hoboken, NJ. Class regularly begins at 9:00 a.m. and ends at 5:00 p.m. with two fifteen minutes breaks and a one-hour lunch. Autodesk Certification Tests are available separately on request.

## Objectives

The primary objective of this course is to teach the students the intermediate commands necessary for professional 2D drafting and design using AutoCAD.

After completing this course, students will be able to:

- Use powerful tools and techniques for drawing, dimensioning, and printing 2D drawings.
- Create reusable content to be used in future project.
- Reuse content that has been previously created, and extract information from their drawings.

## Who Should Attend

This course is designed for the experienced AutoCAD user interested in learning the advanced techniques and to become more efficient in their use of the software.

## Prerequisites

Before attending this course, students should have working knowledge of the following:

- Creating and editing basic AutoCAD objects.
- Drafting, design or engineering principles.
- Microsoft Windows.

# Course Outline

## Drawing Objects

- Creating and Editing Multilines
- Creating Revision Clouds
- Wipeout Objects
- Boundaries
- Regions

## Reusable Content

- Using Design Center
- Creating Custom Tool Palettes
- Organizing Tool Palettes
- Sharing Tool Palettes

## Dimensioning and Annotation

- Introduction to Annotation Scaling
- Controlling Annotation Scale
- Working with Text
- Using Multileaders
- Creating Center Marks
- Creating Ordinate Dimensions
- Creating Geometric Dimensions
- Working with Dimension Substyles and Overrides

## Referencing Non-Native Material

- Using External References
- Managing External References
- Referencing Non-Native File Types

## Manipulating Objects and Data

- Selecting Objects with Quick Select
- Purging Objects
- Removing Duplicate and Overlapping Lines
- Auditing the Drawing
- Using Line Type Scales

## Layer Management and Best Practices

- Working with Layer Filters
- Using the Layer States Manager
- Using Layer Standards

## Layouts and Views

- Creating Layouts
- Modifying Layouts and Using Page Setups
- Working with Layout Viewports
- Controlling Object Visibility in Layout Viewports

## Plotting

- Working with Plotter Configuration Files
- Creating and Applying Plot Style Tables
- Publishing Drawings

## Introduction to Sheet Sets

- Creating Sheet Sets
- Working with Sheet Sets
- Setting Sheet Set Properties
- Using Fields in Sheet Sets
- Using Attributes in Sheet Sets
- Publishing, Transmitting, and Archiving Sheet Sets

## Blocks and Attributes

- Working with Blocks
- Creating Attributes
- Editing Attributes

## Dynamic Blocks

- Using Dynamic Blocks
- Adding Parameters to Dynamic Blocks
- Adding Actions to Dynamic Blocks
- Using Parameter Sets
- Creating Dynamic Blocks

**Note:** The suggested duration is a guideline. Course topics and duration may be modified by the instructor based upon the knowledge and skill level of the course participants.