
AutoCAD II

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 techniques for becoming more productive when creating, annotating, and printing drawings using AutoCAD.

The doors open at 8:45 a.m. Class begins at 9:00 a.m. and ends at 5:00 p.m. with two fifteen minute breaks and a one hour lunch. We have bagels and coffee served in the morning upon arrival. A book and certificate are included in this fee.

Objectives

The primary objective of this course is teach students the more 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 projects
- Reuse content that has been previously created, and extract information from their drawings.

With an understanding of these tools, students can begin to streamline the design process and become more productive with AutoCAD.

Who Should Attend

This courseware is designed for the experienced AutoCAD user interested in learning the more advanced tools

Prerequisites

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

- Creating and editing basic AutoCAD objects
- Microsoft Window

Course Outline

Drawing Objects

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

Manipulating Objects and Data

- Selecting Objects with Quick Select
- Purging Objects
- Working with Point Objects
- Dividing and Measuring Objects
- Using QuickCalc for Performing Calculations

Template Drawing Creation

- Creating Drawing Templates

Dimensioning and Annotation

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

Reusable Content

- Using Design Center
- Creating Custom Tool Palettes
- Organizing Tool Palettes
- Sharing Tool Palettes
- Using External References
- Managing External References
- Referencing Non-Native File Types

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

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

Working with Tables

- Working with Table Styles
- Creating and Editing Tables
- Creating Advanced Tables
- Extracting Attributes to Tables
- Exporting and Importing Tables
- Creating Tables Linked to External Data

Note: The suggested course 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.