

AutoCAD Intermediate training course

Course Description

Provides additional AutoCAD training, incorporating the features, commands and techniques for becoming more productive when creating, annotating, and printing drawings with AutoCAD.

This intermediate-level course continues to build on the basic concepts of the *AutoCAD Essentials* course.

Hands-on exercises throughout the course explore how to create 2D production drawings. The exercises are provided in both a printed format as well as an onscreen format that can be viewed next to AutoCAD.

Course duration: 3 days
Courseware provided: Yes

Objectives

The primary objectives of this course are:

- To teach the use of AutoCAD's powerful tools and techniques for drawing, dimensioning, and printing 2D drawings.
- To show how to reuse content that has been previously created, and extract information from existing drawings.
- To show how to streamline the design process and become more productive with AutoCAD.

Who Should Attend

Experienced AutoCAD users who want to learn more about AutoCAD.

Prerequisites

Delegates should have a working knowledge of:

- AutoCAD, including the procedures for creating and editing basic AutoCAD objects.
- Microsoft® Windows®.

Course Outline

Day 1

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 and Tolerances
- Working with Dimension Substyles and Overrides

Day 2

Reusable Content

- Using DesignCenter™
- 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
- Creating Layout Viewports
- Working with Layout Viewports
- Controlling Object Visibility in Layout Viewports

Day 3

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

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

Autodesk and AutoCAD 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.



Autodesk®